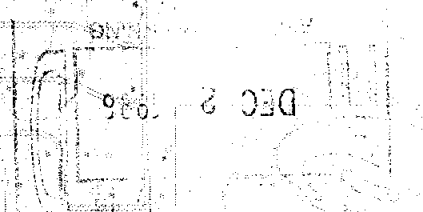
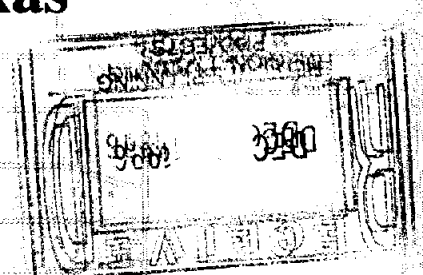


Flood Protection Planning Study for the Brazos Valley Subdivision Area City of Simonton, Texas Final Report



CLAUNCH & MILLER, INC.

Consulting Engineers

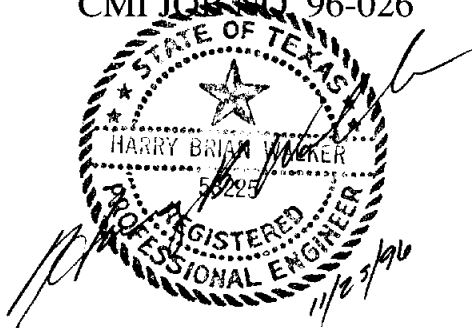
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**FLOOD PROTECTION PLANNING STUDY
FOR THE
BRAZOS VALLEY SUBDIVISION AREA**

CITY OF SIMONTON, TEXAS

FINAL REPORT

NOVEMBER, 1996
CMI JOB NO. 96-026



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***FLOOD PROTECTION PLANNING STUDY
BRAZOS VALLEY SUBDIVISION AREA
CITY OF SIMONTON, TEXAS***

I. EXECUTIVE SUMMARY

- A. The City of Simonton has experienced two recent flood events, in 1991 and 1994. Resulting damages totaled \$4.4 million from 163 flood insurance claims.

- B. FEMA's HEC-2 computer model shows Brazos River 100-year flood elevations to be in the range of 109 to 113 in the study area. These elevations are generally 1 to 2 feet above natural ground.

- C. Protection of Section I of the subdivision was determined not to be technically or economically feasible, within the Scope of this Study. Factors in this determination included the aggressive erosion of the river banks along Section I, excessive levee length and setback requirements. Protection of Section I by other means not evaluated under the Scope of this Study may be possible. Protection of Sections II and III was determined to be feasible.

- D. A 100-year levee system, including associated detention storage, diversion channel, main channel and collector channel would cost approximately \$1.81 million to construct, not including land acquisition. Construction of this system is recommended as the preferred alternative. Possible sources of funding are discussed in Section VI, Subsection I.

- E. Computer modeling shows that the proposed levee system could be constructed to protect Sections II and III of Brazos Valley subdivision, without adversely affecting floodplain elevations in adjacent areas.

- F. Non-structural options to reduce flood damage and related financial losses are also available. Flood insurance and mitigation insurance should be promoted to reduce the financial impact of flooding.

- G. Revision of the City's floodplain management ordinances to require that new construction be at a minimum of one foot above the 100-year floodplain is also recommended to reduce flood losses in the future.

- H. The U.S. Army Corps of Engineers has recommended that a Feasibility and Design Study be conducted, based on findings of a recently completed Initial Appraisal Report. The City is urged to work with the Corps to support this recommendation.

II. INTRODUCTION AND SCOPE

This Flood Protection Planning Study for the Brazos Valley Subdivision Area, City of Simonton, Texas was funded by the City of Simonton (the City) and the Texas Water Development Board (TWDB) through a matching grant, under TWDB Contract No. 96-483-162, approved October 19, 1995. Fort Bend County is a participant in the study, under an interlocal agreement dated January 18, 1996.

This Study was prepared by Claunch & Miller, Inc. (CMI) under a contract with the City of Simonton, dated May 7, 1996. Halff Associates, Inc. served as a subconsultant to CMI, performing the hydraulic modeling for the Study and preparing the sections dealing with non-structural alternatives, as well as providing general consultation. Landtech Consultants, Inc. provided surveying services for the Study.

The purpose for this Study was “to address certain flood-related issues facing the City and to develop a workable flood protection plan for the portion of the City in and around the Brazos Valley Subdivision”. The Scope of Services directs that certain specific structural flood protection alternatives be considered, including a levee, internal drainage improvements, and culvert improvements along FM 1093. The Scope of Services also directs that non-structural management alternatives be evaluated.

During the development of the Scope of Services, several structural flood protection alternatives were eliminated from consideration by agreement between the Engineer and the City. Among the alternatives eliminated were major channel rectification on the Brazos River, construction of a relief channel across the narrow area between the river meanders adjacent to Brazos Valley Section I, and provision of riverbank erosion control measures. These alternatives, although potentially beneficial, were eliminated as being economically or technically infeasible, or too localized in terms of the benefits provided.

III. BACKGROUND INFORMATION

The Study Area is located in the northwest portion of Fort Bend County and consists of the Brazos Valley Subdivision, Sections I - III, also known as Valley Lodge, and the surrounding area (*See Exhibit 1*). This area is bordered roughly by FM 1093 and the Southern Pacific Railroad on the south, the Brazos River on the west, and agricultural properties to the north and east.

The portion of the Study Area within the platted subdivision sections lies within the City limits of the City of Simonton, while the adjacent areas lie within the unincorporated areas of Fort Bend County. Valley Lodge is a residential development consisting of 622 lots on approximately 675 acres of land, originally developed in the late 1950's. Currently, there are approximately 195 homes in the development, as well as several commercial establishments. Construction of residences continues within the development at a modest pace.

The majority of the Study Area lies within the 100-year floodplain of the Brazos River, as seen from the National Flood Insurance Program's Flood Insurance Rate Maps for Fort Bend County (*See Exhibit 2 in back pocket*). The floodplain of the Brazos River extends eastward from the river to a ridge of higher ground along Bessie's Creek and westward into Austin County to near SH 36 (*See References 1&2*).

Examination of the floodplain maps indicates that the Study Area is subject to shallow flooding, typically at depths of 1-2 feet during the 100-year event. Recent flood events occurred in December 1991 - January 1992 and October 1994. Local officials report that approximately 100 structures were flooded during the 1991 event and approximately 125 in the 1994 event. The U.S. Army Corps of Engineers (USACE) reports that 96 homes were flooded in the 1994 event (*See Reference 3*). Data from the National Flood Insurance Program indicates that 163 claims for flood damages have been paid in Simonton since 1978 (*See Reference 4*). Losses from these claims total \$4.4 Million within the City.

Following the 1994 flood, the U.S. Army Corps of Engineers conducted a preliminary study of the area, at the request of City officials (*See Reference 3*). The USACE Initial Appraisal report evaluated the technical, economic and environmental issues involved in providing flood protection for the Study Area. The conclusions reached in the Initial Appraisal report indicate that a levee project to provide flood protection for portions of the Study Area is feasible and warrants more detailed study. The findings of the current Study strongly support those of the Initial Appraisal report.

IV. STRUCTURAL ALTERNATIVE ANALYSIS

In order to reduce or eliminate flood damage in the Study Area, three primary structural means have been addressed in this Study. A fourth group of measures has also been analyzed as a means of providing interim protection that can be undertaken in the near future and at moderate cost. The various alternatives that have been evaluated are discussed in the following paragraphs.

A. LEVEE SYSTEM

A levee system, including associated detention and internal drainage facilities, has been analyzed as a means to provide flood protection for the Valley Lodge area. A hydraulic analysis of the effect of the proposed levee system on the Brazos River floodplain follows in Section V of this report.

The physical layout of the subdivision and the relationship of the various sections to each other and to the natural drainage features strongly affects the feasible options for a levee system. In particular, the location of Section I presents major problems in developing a technically and economically feasible levee system for the entire subdivision. Because Section I is not adjacent to Sections II and III, approximately 15,000 feet of additional levee would be required to protect Section I, resulting in a substantial cost increase. To further complicate the situation, the immediate proximity of Section I to the Brazos River channel

at both its north and southwest sides severely reduces the portion of Section I that could be protected by a levee. Using a minimum setback of the levee from the riverbank of 500 feet would result in nearly half of Section I being located outside the levee, including a substantial number of residences. Finally, the protrusion of a levee around Section I into the flow regime of the floodplain indicates that significant technical difficulty in eliminating the affects of the levee on the floodplain could be expected.

The USACE Initial Appraisal Report reached similar conclusions concerning Section I, based in particular on the Corps criteria that a project must have a life of at least 50 years, which they did not believe possible due to the very active erosion by the Brazos River of the riverbank in the vicinity of Section I.

For these reasons, it was decided early in the Study that a levee around Section I was not feasible, and that alternative was dropped from further consideration.

Section II and III of Brazos Valley Subdivision are much more favorably situated for protection by a levee system. *Exhibit 3* shows a proposed levee alignment that could be utilized to protect these subdivision sections. Beginning at the higher natural ground near Bessie's Creek, northeast of Section II, the proposed levee would run west along the Rue Road alignment, then turn south, generally paralleling the western limits of Sections II and III, ending on higher natural ground near FM 1093. This alignment comprises approximately 15,000 feet of levee.

Based on the Federal Emergency Management Agency's (FEMA) design criteria, the proposed levee would have 4:1 side slopes, with a 10-foot top width. A typical cross-section of the levee is shown on *Exhibit 4*. Levee heights are based on FEMA's 100-year base flood elevations. Freeboard above the 100-year base flood elevation is generally required to be 3 feet, increasing to 3.5 feet at the upstream end of the levee and to 4 feet adjacent to structures. Using these criteria, the proposed levee alignment shown on *Exhibit 3* would require approximately 151,000 cubic yards of material to construct.

Levee heights for the proposed alignment average 5.3 feet, including freeboard. Maximum height of the levee, adjacent to the Detention Storage Area, is just under 14 feet.

Other key components of the levee system include the proposed Diversion Channel south and east of the subdivision, the proposed Detention Storage Area west of Section III, and the Main Outfall Channel.

The existing drainage channel serving Sections II and III runs northwest from the southeast corner of the development near FM 1093 and Chisolm Road to outfall into the Brazos River north of the Valley Lodge Clubhouse. The drainage area of this channel where it crosses the proposed levee alignment is approximately 1938 acres, based on contour data shown on the USGS Topographic Quadrangles of this area.

Table 1 provides runoff data for the watershed; locations referred to are shown on *Exhibit 3*.

**TABLE 1
RUNOFF DATA**

Location	Description	Incremental Drainage Area (ac)	Percent Imperviousness	Runoff Volume (ac-ft)		Peak Discharge (cfs)	
				25 Year	100 Year	25 Year	100 Year
A	Upstream Area	1067	10%	498	699	840	1075
B	Subdivision	482	20%	243	386	575	725
C	Detention/ Undeveloped	124	60%	81	108	368	470
	Totals/Avg.	1673	16.6%	842	11167	1250	1550

Examination of the data in *Table 1* indicates that approximately 1067 acres of the 1673 acre total drainage area lies upstream of the subdivision. This upstream drainage area contributes approximately 60% the runoff volume reaching the main channel and the outlet structure through the levee.

Currently, the drainage area upstream of Valley Lodge is largely undeveloped, however, with future development, the runoff volume originating in this area could increase substantially. During flood events on the Brazos River, runoff originating upstream (inside) the outlet structure of the levee must be either stored until gravity discharge is possible or pumped out of the levied area to prevent flooding from internal drainage. The proposed levee alignment analyzed in this Study was planned to enclose an existing low-lying area west of Section III for use as a detention storage basin. This area, formed by an old meander of the river, has ground elevations 10-12 feet lower than the adjacent subdivision. By enclosing a portion of this natural low area within the levee, a detention storage basin is created and the need for stormwater pumps is eliminated.

Unfortunately, the substantial existing drainage area and resulting runoff volume requires that a large storage area be created. In order to reduce the amount of runoff to be stored, a diversion channel has been proposed to route the upstream drainage away from the subdivision. By constructing a channel along the east side of Section II south across FM 1093 and the Southern Pacific Railroad, then west to the Brazos River, the 1067 acre drainage area upstream of the subdivision can be routed around the levied area directly to the river. This proposed diversion channel effectively addresses several technical issues. It eliminates the need to provide detention storage volume for the upstream area, as well as eliminating concerns about increases in runoff resulting from the future development of the upstream portion of the watershed. In addition, it provides a source of material from which to construct the levee, assuming the soils along the diversion channel are suitable.

By constructing the proposed diversion channel, the peak 100-year flow in the main channel is reduced from 1,550 cfs to 1,020 cfs, and the 100-year storage volume from 842 ac-ft to 324 ac-ft. The 100-year storage volume with the diversion channel produces a ponding elevation of 105.7 in the detention boom.

The proposed diversion channel, if designed for 100-year existing conditions (1075 cfs discharge) with one foot of freeboard, would be approximately 11 feet deep, with a 6 foot bottom width and require a 132 foot right-of-way width. This channel would generate approximately 190,000 cubic yards of excavation. If no freeboard were required, the diversion channel would generate approximately 164,000 cubic yards of excavation.

B. INTERNAL DRAINAGE IMPROVEMENTS

Improvements to the internal drainage system in the Study Area are another means of providing increased flood protection for the Valley Lodge development. Although internal drainage improvements cannot provide protection from the 100-year flood event on the Brazos River, they can provide increased levels of protection from localized storm events that can also produce flooding.

The City of Simonton has previously conducted an internal drainage study of all three sections of Brazos Valley Subdivision (*Reference 5*). This prior study addresses roadside ditch and culvert improvements for three-year storm events. These improvements are currently being implemented, and will only be addressed herein as they relate to flood protection for longer return interval storm events.

1. Main Channel

An existing Fort Bend Drainage District channel (Unit II-YY), referred to herein as the Main Channel, crosses Sections II and III of Brazos Valley Subdivision. This channel skirts the north side of an existing lake west of Section III and crosses the Valley Lodge Golf Course to outfall into the Brazos River. A 120-foot wide drainage easement for this channel exists across Sections II and III.

The drainage area of this channel consists of the 1067 acres of upstream watershed previously discussed, plus the internal drainage area of Sections II and III. At the downstream side of Section III, this internal drainage area is approximately 327 acres, for a combined total of 1394 acres. *Table 2* provides drainage data on this channel.

**TABLE 2
MAIN CHANNEL DISCHARGES**

Location	Incremental Drainage Area (ac)	Percent Imperviousness	Peak Discharge (cfs)	
			25 Year	100 Year
Upstream of Chisolm Road	1067	10%	840	1075
Downstream of Fort Bend Drive	327	20%	425	540
Total	1394	12%	1050	1300

Detailed survey data of this channel was not gathered under the scope of work for this Study; however, using data taken from a previous study (*See Reference 5*), it was possible to conduct an approximate analysis for this channel. Data on the Main Channel section is tabulated in *Table 3*.

**TABLE 3
MAIN CHANNEL CROSS SECTION DATA**

R.O.W. Width	<u>Fort Bend Drive</u> 120'	<u>Wagon Road</u> 120'
<u>Existing Section</u> ⁽¹⁾		
Bottom Width	25'	15'
Side Slopes	3:1	3:1
Channel Depth	10'	7'
Top Width	85' ⁽³⁾	57'
Flow Depth, 25-Year	7.0'	7.5' (Exceeds Channel Depth)
Flow Depth, 100-Year	9.1'	8.7' (Exceeds Channel Depth)
<u>Required Section Without Diversion</u> ⁽²⁾		
Bottom Width	15'	10'
Side Slopes	3:1	3:1
Channel Depth	12'	10.4'
Top Width	87' ⁽³⁾	72' ⁽³⁾
Flow Depth, 100-Year	10.9'	9.4'
Notes: (1) Based on information from PKI plans, dated 1/14/95. (2) Based on FBDD Criteria Manual. (3) Maintenance berm width inadequate. Minimum 30' required.		

Examination of the data in *Table 3* shows that the existing channel could be improved to meet Ft. Bend Drainage District (FBDD) requirements for 100-year capacity with one foot of freeboard by deepening the channel within the existing right of way. In order to meet FBDD's criteria for maintenance berm width an additional 10 to 30 feet of right of way would have to be acquired. The existing channel does not fully meet the criteria for maintenance berm width at this time.

When the effects of the proposed Diversion Channel are evaluated, the existing channel does have adequate capacity to handle the reduced 100-year discharge at a flow depth of approximately 5 feet.

Existing road crossings of the Main Channel within Valley Lodge were also analyzed. These culvert structures were found to be significantly undersized for either the existing 25-year or 100-year discharges, resulting in excessive head losses. In order to pass the 100-year existing flows, these culverts would have to be completely replaced with substantially large structures. However, with the proposed Diversion Channel in place, the existing structures would be adequate for 100-year flows with head losses of less than 0.5 feet.

2. Secondary Outfalls

The northern portion of Section II, consisting of approximately 155 acres, drains westward to the existing oxbow lake northwest of the subdivision. Outfalls to this lake occur at Rue Road and at two locations along Pony Lane, near Cavalry Road and at Tejas Road. The existing capacities of these outfalls were not analyzed as a part of this Study; however, to be consistent with FBDD criteria, these outfall channels should also be designed for 100-year capacity with freeboard.

Improvement of these outfalls to 100-year capacity would generally improve the internal drainage in this area of the subdivision; however, there are several factors which weigh against making these improvements. First, it has been reported by the landowner that there are no drainage easements on these facilities across the ranchland west of Section II. If this report is accurate, appropriate easements should be obtained to clear up this situation.

Secondly, these three outfalls are not well suited to the proposed levee system. The general practice in the design of levee systems is to limit the number of outfalls and other levee penetrations to the minimum possible, as outfall structures are not only costly but also represent potential weak points in the system. Furthermore, the need to provide detention storage indicates that these outfalls should be directed into the proposed storage basin.

In consideration of these factors, it is proposed that a collector channel be constructed to intercept these three outfall ditches and carry their flows to the detention storage area. This collector channel would allow a single outfall structure through the levee to be maintained, as well as taking advantage of the central detention area. *Table 4* provides design data for the proposed collector channel.

TABLE 4
COLLECTOR CHANNEL DATA

Drainage Area (ac)	Peak Discharge ⁽¹⁾ (cfs)		Section Elements ⁽²⁾				
	25 Year	100 Year	Bottom Width	Side Slopes	Flow Depth	Channel Depth	Top Width
155	240	310	6'	3:1	5'	6'	42'
Notes: (1) Based on a 20% imperviousness (2) Based on 3 fps velocity with 1 foot of freeboard for 100-year event.							

This collector channel could be located either along the inside toe of the proposed levee or along the perimeter of Sections II and III. In either case, the collector channel would need to be tied into the main channel within the storage area. These alignments would require 7,500 to 8,100 feet of channel be constructed, respectively, generating 40,000 to 43,000 cubic yards of excavation. A drop structure would be needed in either case, at the point where the collector channel enters the storage area, due to the rapid change in existing ground elevations at this location.

An alternative to this collector channel would be to combine the three existing outfalls into a single channel outfalling to the oxbow lake by means of a second outlet structure through the levee. Detention storage for this facility could be provided by excavating a detention pond near the second outlet. The required detention volume for this drainage area would be approximately 108 acre feet (174,000 C.Y.); the required storage volume of the main storage basin would be reduced accordingly. However, the cost of excavating this storage volume is probably prohibitive.

3. Section I Internal Drainage

Internal drainage for Section I of Brazos Valley Subdivision is provided by means of roadside ditches draining south to FM 1093. The existing ditch along the north side of FM 1093 has been enlarged and several culverts replaced since the 1994 flood to improve drainage in this area. No other major channels or FBDD ditches serve Section I.

Analysis of the recently enlarged culverts along the north ditch of FM 1093 indicates that they have moderate head losses under 25-year and 100-year flows. The capacity of this ditch was not analyzed because of uncertainties regarding the changes to the FM 1093 drainage system that are currently being undertaken by Texas Department of Transportation (TxDOT).

The capacity of this system should be re-evaluated after completion of TxDOT's project. As indicated previously, FBDD criteria calls for outfall channels to be designed for 100-year flows.

C. FM 1093 DRAINAGE IMPROVEMENTS

The existing FM 1093 roadway improvements and the Southern Pacific Railroad embankment constitute a major, if not natural, drainage feature of the Study Area for both local drainage and Brazos River flood flows.

Elevations along the center line of FM 1093 are typically 1 to 1 ½ feet above surrounding grades, while the railroad embankment is 4 to 6 feet above natural ground. Cross drainage structures under FM 1093 are limited to several small culvert crossings and one larger structure located on the Main Channel near Chisolm Road. Trestles are used to convey cross drainage under the railroad at multiple locations along the area of interest.

During recent flood events the FM 1093 culvert crossings were observed to be inadequate to convey the flows that occurred, resulting in a backwater effect and eventual overtopping of the roadway. This effect is widely believed by residents to have contributed to internal flooding by raising the upstream water surface elevations.

At the request of the City officials, TxDOT has agreed to install six additional culvert crossings along FM 1093 and a larger roadside ditch along the south side of the roadway to help improve this situation. These culverts are currently being constructed at existing low points along the roadway. These culverts were sized on the basis of available depth in the new ditch, and are typically 24 to 36 inches in diameter. While improving local drainage and helping to relieve the backwater effect caused by FM 1093, these culverts were not designed to handle a specific frequency event. As such, it is difficult to quantify their overall effect on the flood situation in the Study Area without an extensive modeling effort.

As mentioned in the previous section, the FM 1093 drainage system should be re-evaluated after completion of TxDOT's project, when the final system characteristics have been established.

D. INTERIM IMPROVEMENTS

In any flood-prone area, it is incumbent on those charged with flood protection planning to provide the maximum degree of protection appropriate for the area. In cases of residential areas, the accepted standard of practice in the flood protection field is to provide protection from the 100-year flood event. In many circumstances an even higher degree of protection is warranted; for example, the flood of record on the Brazos (the 1913 flood) produced water surface elevations 10-12 feet higher than the 100-year flood in this area.

However, even when the ultimate goal is to provide a 100-year level of protection as recommended in this Study, the realities of economics and the time frames required to implement a substantial project sometimes dictate that a project be developed in stages or interim phases that provide a lesser degree of flood protection than ultimately sought, but which can be constructed much sooner or more economically.

The following interim measures are proposed as preliminary phases of the long range flood protection project for the Study Area. These measures do not provide protection from the 100-year flood, but are selected to provide a degree of protection that will help to reduce flood damages in the area and that can be accomplished more expediently and more economically than the overall project could be.

To the maximum extent possible, these interim measures should be carried out in a manner that will allow them to be incorporated into the ultimate flood protection plan without waste and without jeopardizing the ability to obtain regulatory approval of the ultimate facilities.

1. Interim Levee Improvements - Rue Road

Construction of the proposed levee segment along Rue Road at the north end of Section II would help to protect the northern portion of the subdivision. Approximately 2500 feet of levee would be required to connect the higher natural ground near Bessie's Creek to that along the oxbow lake near the northwest corner of Section II. The existing Rue Road right of way has been offered to the City of Simonton by Fort Bend County, so right of way acquisition time should be minimal, although some right of way may need to be acquired from private landowners at each end of this segment. The base width of the levee is narrow enough to fit within the existing right of way in this segment

The 100-year water surface elevation at this location, based on the updated HEC-2 model is 112.25. Under FEMA design criteria, this upstream segment of the proposed levee should have 3.5 feet of freeboard, resulting in a top elevation of 115.75. Existing natural ground elevations would allow this segment of the levee to be closed off to approximately elevation 113 before overland flow would occur at the west end. Although the elevation of the existing roadway would need to be raised only slightly more than one foot to meet the 113 elevation, it is recommended that this segment be constructed to the ultimate height of 115.75. Since this segment of the levee is anticipated to continue to serve as a means of access to the adjacent ranch properties, it would be justified to rebuild the existing crushed stone road surface on top of the ultimate levee at this time to avoid the cost of rebuilding it with each interim phase of construction. The entire segment of the ultimate levee along this alignment requires only 9,190 cubic yards of embankment versus 4,480 cubic yards at elevation 113, so the additional cost to complete the ultimate section is not excessive.

In addition to constructing the levee, Sagebrush Road would have to be elevated to cross the levee.

2. Outfall Improvements

The existing outfalls from the northern portion of Section II to the oxbow lake are currently unprotected from having floodwater backup through them at a lower elevation than would be required to overtop the natural ground along the southeast side of the lake. These outfalls could be protected by the addition of either flap gates or stop logs to the downstream ends of the culverts, where they outfall into the lake. Ideally, these outfalls would be combined into a single outfall point to minimize penetrations of the ultimate levee, by constructing a portion of the proposed collector channel.

Alternatively, a portion of the proposed collector channel could be constructed to direct these outfalls south to the proposed detention storage area, again with flap gates or stop logs to prevent backflow.

For either of these options, rights of way or easements across the private property involved would need to be acquired.

3. Road Crossing Culverts

The existing road network along the west side of Section II and III forms a levee-like perimeter of higher elevations that could provide protection to a foot or so above surrounding grades, if the existing drainage structures crossing the roads were protected.

Primary among these is the Fort Bend Drive crossing of the Main Channel, which consists of four 84 inch culverts. Provision of flap gates or stop logs on these culverts would force floodwaters from the Brazos River to exceed elevation 111.5 before overtopping the road at this location.

Likewise, the other existing culverts crossing these perimeter streets along the west side could be either eliminated by changing the roadside ditch grading patterns or protected by flap gates or stop logs. Since these cross culverts are typically small diameter, the costs of construction would be modest. Right of way acquisition would not be a factor either, as these streets are already in the public domain.

Unfortunately, the properties west or north of these streets would not be protected, as they would be on the outside of the perimeter created. Also, this roadway perimeter would not protect against flooding resulting from rainfall internal to the subdivision.

If the City chooses to implement any interim flood protection measures, it will be very important to ensure that the benefits of these measures are not misrepresented to residents or prospective property buyers in the area.

4. Interim Levee Improvements - Bridal Path

One alternative levee alignment under consideration would be adjacent the west property line of Section II from the northwest corner of the subdivision south to the north line of Section III, then west towards the Detention Storage Area. This alignment could be used for either the ultimate levee or for an interim levee.

For interim levee purposes, an existing 18 foot wide bridal path easement along the boundary of Sections II and III could be used for a temporary levee easement, until permanent easements could be acquired. Within this temporary easement, a portion of the ultimate levee cross section could be constructed to provide interim protection. Using 3:1 side slopes, a two foot high levee with a 6 foot top width could be constructed within the existing easement width. This height would place the top of the levee at approximately the 100-year flood elevation in this area, but without any freeboard.

This portion of the levee alignment is approximately 5,500 feet long and would involve roughly 4,900 cubic yards of embankment, with the interim cross section described above.

Use of the existing easement would require that the three secondary outfall channels previously mentioned be addressed separately, as no space would remain for construction of a collector channel, except within the subdivision lots. In addition, the legal issues regarding conversion of the bridle path easement to levee purposes would have to be addressed.

If properly constructed, this interim levee section could be incorporated into the ultimate levee without significant modifications.

V. HYDRAULIC ANALYSIS

The main channel of the Brazos River in the vicinity of the City of Simonton was modeled with the U.S. Army Corps of Engineers Hydrological Engineering Center HEC-2 computer program (*See Reference 6*). The current HEC-2 model utilized for the FEMA Flood Insurance Study was obtained from the Fort Bend County Engineering Department. The model was updated to include an additional channel cross section. This cross section was surveyed as part of this study to provide additional topographic detail in the area beyond what is provided in the current HEC-2 model. The cross section is shown in Figure 1 and spans the Brazos River Flood Plain from the Pony Lane -Canyon Road intersection to the west into Austin County.

The HEC-2 model was run for a 100-year frequency event. The 100-year frequency flow in the Brazos River is 181,000 cfs in the vicinity of the City of Simonton based upon the Fort Bend County Flood Insurance Study (*See Reference 7*). The Southern Pacific Railroad bridge and the FM 1093 bridge are hydraulically close and were modeled in the current model as a single bridge. These bridges provide a backwater effect of approximately 0.35 feet for the 100-year stream flow event. (*See Table 5.*) The locations of the bridge cross sections and other cross sections utilized in the HEC-2 model are shown in *Figure 2*. It

should be noted that cross-section BH (Section No. 135.00) and the newly surveyed cross-section (Section No. 134.97) are the only two cross sections that can be identified in FEMA's model as intercepting the proposed levee alignment. Cross section BG (Section No. 135.4) listed in Reference 6 is not in FEMA's HEC-2 model.

Table 5

BACKWATER EFFECT FROM FM 1093 AND SPRR BRIDGES			
RETURN FREQUENCY	WSEL UPSTREAM SECTION 127.90	WSEL DOWNSTREAM SECTION 127.61	DIFFERENCE
10 YR	102.01	101.86	0.15
50 YR	107.53	107.18	0.35
100 YR	109.17	108.82	0.35
500 YR	112.42	112.14	0.28

A levee was introduced into the FEMA Natural Model and the Revised Existing Conditions HEC-2 model to determine the effect on water surface elevations and flood plain widths the proposed levee would have on the surrounding area. The levee was modeled with four to one side slopes (horizontal to vertical) and was located with two alignments along the western edge of Section II of the Brazos Valley Subdivision and 1,800 feet to the west of Section II of the Brazos Valley Subdivision (*see Figure 2*). The changes to water surface elevations and flood plain widths from the proposed levee alignments are shown in *Table 6*.

Based on a comparison to the current HEC-2 model and Federal Emergency Management Agency reports (*References 7 and 1*), the levee would cause no rise in water surface in the Brazos River near Canyon Road and increase the flood plain width by 19 feet for the Revised Model with levee alignment number 2, and only 8 feet with alignment number 1. The impact of both levee alignments on the 100-year water surface elevation is minimal, causing a maximum calculated increase of 0.01 feet for the Revised Model with levee alignment number 2, and no increase for alignment number 1. The calculated velocity in the overbank is approximately 0.9 feet per second compared to 7.7 to 8.8 feet per second in the main

channel. The ability for the overbank to convey water would not be severely impacted by the levee, since the velocity is relatively small compared to the channel velocity. The channel velocity is roughly nine times the overbank velocity. The reduction in cross sectional area by the presence of the levee is small. The overbank area is reduced by 0.3 percent.

Areas for further study should include an update or restudy of the Brazos River. The stream flow rates used in the HEC-2 model that are the basis of the current Flood Insurance Study (FIS) (*Reference 7*) and the Flood Insurance Rate Map (*Reference 1*) may be changed in future studies by the Corps of Engineers. The Corps of Engineers Galveston District has questioned the accuracy of the flood discharges shown in the FEMA Flood Insurance Study. The discharges appear low based on flood damage that occurred during the 1991 and 1994 Brazos River floods (*Reference 8*). The Corps of Engineers may re-evaluate the flows and Base Flood Elevations during the proposed Reconnaissance Study to refine the benefit analysis and gather additional data (*Reference 3*).

Additional concern regarding the flow rates used by FEMA arises from the HEC-2 model. The model uses a constant 100-year stream flow of 181,000 cfs for the entire 85 stream miles of the Brazos River in the FEMA FIS for Fort Bend County. The Brazos River within Fort Bend County has several confluences including Cow Creek, Big Creek and Jones Creek. It is expected that stream flows would change in the Brazos River at these confluences. Correspondence from the Federal Insurance Administration to Fort Bend County Commissioners Court, in response to a March 1, 1976 resolution (*Reference 9*), estimated the Brazos River 100-year flood discharge to be 209,000 cfs.

The additional channel cross-section (Section No. 134.97) caused a 0.08 foot increase in water surface elevation at Section No. 138.00 which is approximately 3.1 miles upstream. The increase in water surface elevation affects approximately 4 miles of the Brazos River from Section No. 135.00 to 139.00 as shown on *Table 6* for Revised Existing Conditions. This additional cross-section is at a higher resolution of detail. The number of data points is greater than those used in the existing current HEC-2 model. The channel at this location

is narrower than is indicated by adjacent cross-sections in the existing current HEC-2 model as show in *Figure 1*. A narrower channel would require a greater flow depth to convey the same flow rate.

Based on the analyses performed with the current Flood Insurance Study, Fort Bend County (*Reference 7*) HEC-2 model, a flood protection levee would not significantly impact the Brazos River watershed. This finding is consistent with the U.S. Army Corps of Engineers' study of the Brazos Valley Subdivision (*Reference 3*). To revise the Flood Insurance Rate Maps, the flood control levee would have to be designed in accordance with FEMA's National Flood Insurance Program (*Reference 10*) regulations as shown in Appendix A. As a minimum, the levee would have to have four to one side slopes, a minimum of three feet of freeboard (four feet near structures), and an approved maintenance plan.

The proposed Section 205 Feasibility and Design Study by the U.S. Army Corps of Engineers should address potential changes in the Brazos River discharges and water surface elevations that may affect future flood protection planning efforts.

James Mirabal, P.E. Texas Natural Resource Conservation Commission (TNRCC) State Reclamation Engineer, stated that TNRCC approval was not required to construct a flood control levee within a community that is participating in the National Flood Insurance Program. Mr. Mirabal stated that the requirements of the Texas Water Code and the National Flood Insurance Program apply to Flood Protection Levee projects such as:

- (1) Formal approval must be obtained from both Fort Bend County and the City of Simonton prior to levee construction.
- (2) All adjacent landowners upstream and downstream on the Brazos River must be formally notified and given an opportunity to comment on the proposed levee project. This would include Austin County.
- (3) Legal Public Notice prior to construction.

- (4) The levee must be designed, constructed and maintained as per accepted engineering practices and standards including the Corps of Engineers and FEMA.

During two public meetings held during the course of this study there were concerns raised regarding the Brazos River Floodway. The Brazos River Floodway was established by FEMA as part of the Fort Bend County Flood Insurance Study (*Reference 7*). The Brazos River Floodway was computed by FEMA on the basis of equal conveyance reduction from each side of the floodplain. The minimum Federal standards were used to identify the floodway as the area of the 100-year floodplain that includes the channel and adjacent floodplain that must be kept free of encroachment so that the 100-year flood can be carried without increasing the base flood elevation more than 1.0 foot. The floodway identified by FEMA was adopted by the City of Simonton, Fort Bend County and adjacent Austin County.

The proposed City of Simonton Flood Protection Levee was aligned outside of the Brazos River Floodway as required by the Flood Damage Prevention Ordinances of the City of Simonton, Fort Bend County, Austin County and FEMA Floodplain Management Regulations.

TABLE 6

		Natural Model						Differences					
Existing FEMA Model		with Levee Alignment #1			with Levee Alignment #2			Alignment #1 and Natural			Alignment #2 and Natural		
HEC-2 STA	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	
127.63	108.85	5,926	108.85	5,926	108.85	5,926	0	-	0	-	0	-	
127.9	109.17	7,370	109.17	7,370	109.17	7,370	0	-	0	-	0	-	
129.9	110.63	26,204	110.63	26,204	110.63	26,204	0	-	0	-	0	-	
130.7	110.89	34,106	110.89	34,106	110.89	34,106	0	-	0	-	0	-	
132.2	111.15	19,600	111.15	19,600	111.15	19,600	0	-	0	-	0	-	
133.9	111.68	21,906	111.68	21,906	111.68	21,906	0	-	0	-	0	-	
134.97	---	---	---	---	---	---	---	---	---	---	---	---	
135	111.85	13,887	111.85	11,800	111.84	10,000	0	(2,087)	-0.01	(3,887)	-	-	
137.1	113.99	13,476	114.01	13,490	114.03	13,504	0.02	14	0.04	28	0	0	
138	114.79	14,981	114.8	15,002	114.82	15,024	0.01	21	0.03	43	0	0	
139	115.64	15,200	115.65	15,200	115.66	15,200	0.01	-	0.02	-	0	-	

		Revised Model (includes new cross section)						Differences					
Revised FEMA Model		with Levee Alignment #1			with Levee Alignment #2			Alignment #1 and Revised			Alignment #2 and Revised		
HEC-2 STA	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	
127.63	108.85	5,926	108.85	5,926	108.85	5,926	0	-	0	-	0	-	
127.9	109.17	7,370	109.17	7,370	109.17	7,370	0	-	0	-	0	-	
129.9	110.63	26,204	110.63	26,204	110.63	26,204	0	-	0	-	0	-	
130.7	110.89	34,106	110.89	34,106	110.89	34,106	0	-	0	-	0	-	
132.2	111.15	19,600	111.15	19,600	111.15	19,600	0	-	0	-	0	-	
133.9	111.68	21,906	111.68	21,906	111.68	21,906	0	-	0	-	0	-	
134.97	111.6	10,903	111.6	9,978	111.6	8,621	0	(925)	0	(2,282)	0	(2,282)	
135	---	---	---	---	---	---	---	---	---	---	---	---	
137.1	114.1	13,555	114.1	13,561	114.11	13,568	0	6	0.01	13	0	0	
138	114.87	15,099	114.87	15,107	114.88	15,118	0	8	0.01	19	0	0	
139	115.7	15,200	115.7	15,200	115.71	15,200	0	-	0.01	-	0	-	

VI. NON-STRUCTURAL ALTERNATIVES

The City of Simonton has experienced flooding from Brazos River overflows as recently as October 1994 when 96 homes were flooded with damages estimated at \$2.5M. The City Council has requested the assistance of the Texas Water Development Board and the U.S. Army Corps of Engineers in identifying structural and nonstructural alternatives to solving flooding problems. Nonstructural alternatives considered for the City of Simonton include:

- A. Flood Insurance
- B. Elevation of New and Substantially Improved Structures
- C. Mitigation Insurance
- D. Retrofitting Flood-prone Structures
- E. Acquisition and Relocation
- F. Development Controls

A. NATIONAL FLOOD INSURANCE PROGRAM

The Federal Emergency Management Agency (FEMA) Region VI Office in Denton, Texas administers the National Flood Insurance Program (NFIP) in the region that includes Texas, New Mexico, Arkansas, Oklahoma, and Louisiana. The FEMA Region VI Office provides assistance to the Designated State Coordinator Agency within each state. In Texas, the Texas Natural Resource Conservation Commission (TNRCC) is the designated state coordinator responsible for floodplain management within Texas. FEMA Region VI and TNRCC provided assistance after the October 1994 flood that was a Presidentially Declared Disaster. Fort Bend County and the City of Simonton were included within the Federal Disaster Area and eligible for Disaster Assistance to both public and private entities. Private citizen and business losses resulting from flooding have produced 163 flood insurance claims totaling \$4.4M within the City of Simonton based on FEMA's City of Simonton National Flood Insurance Program Report (*see Table 8*).

FEMA issues Flood Insurance Rate Maps (FIRM) that designate Special Flood Hazard Areas throughout the United States. The City of Simonton was included in the initial Fort Bend County Flood Insurance Study that produced FIRM's for all areas within Fort Bend County. Floodplain mapping for the City of Simonton is described in *Table 7*.

Table 7

FLOODPLAIN MAPPING			
City of Simonton			
Date	Map Type	BFE's	Floodway
7/9/76	FHBM (1)	No	No
8/4/87	FIRM	Yes	*
9/30/92	FIRM	Yes	*

FHBM - Flood Hazard Boundary Map (Floodplain boundary without Base Flood Elevations)

FIRM - Flood Insurance Rate Map (Floodplain boundary with Base Flood Elevations)

BFE - Base Flood Elevation (100-year flood elevation)

Floodway - Area adjacent to a stream or creek where development is prohibited unless it can be proven that development would not increase the BFE.

* - The Brazos River Floodway lies outside the City of Simonton

(1) - The Fort Bend County FHBM was initial map issued

The City of Simonton has participated in the National Flood Insurance Program since March 4, 1980. Flood insurance is available throughout the City of Simonton for structural and contents coverage. Flood insurance coverage limits are described in the March 1996 FEMA Bulletin (Appendix A). Flood insurance is considered the most efficient Nonstructural Floodplain Management Alternative. The purchase of flood insurance allows the individual to recover the financial loss from flooding where disaster loans and grants either require repayment or provide limited financial assistance. *Table 8* describes the flood insurance policies in force, flood insurance claims paid since 1979, and annual flood insurance premiums paid by citizens of Simonton.

Table 8

NATIONAL FLOOD INSURANCE PROGRAM City of Simonton, Texas 7/31/96	
Policies in Force	165
Flood Insurance Coverage	\$20,556,400
Claims (number since 1978)	163
Claims (amount since 1978)	\$4,468,006
Annual Premiums	\$81,677
Repetitive Loss Structures	26
Substantial Damage Claims	23

In 1997, FEMA plans to publish the Fort Bend County Flood Insurance Rate Map in a digital format. The proposed mapping effort will include the City of Simonton and all areas within Fort Bend County.

B. ELEVATION OF NEW AND SUBSTANTIALLY IMPROVED STRUCTURES

The City of Simonton's Flood Damage Prevention Ordinance (*Reference 12*) has been patterned after the Federal Emergency Management Agency (FEMA) minimum ordinance which is required for participation in the National Flood Insurance Program (NFIP). When a community fails to maintain the minimum FEMA requirements, they face the possibility of probation or suspension from the NFIP and possible loss of flood insurance and disaster assistance within the community.

It is recommended that the City of Simonton's Flood Damage Prevention Ordinance be updated to be compatible with the Fort Bend County Ordinance and to reflect potential increases in the Brazos River Base Flood Elevations. In October 1995, the U.S. Army Corps of Engineers Galveston District published the Section 205 Initial Appraisal Brazos Valley Subdivision, Simonton, Texas. This study was in response to serious flooding that occurred

in the City of Simonton in 1991 and 1994. Based upon public input at the City of Simonton June 6, 1996 Meeting, 110 structures flooded in the City of Simonton in 1991 and 125 structures flooded in 1994. The Corps of Engineers' Study reported that the 1991 flood had a 10 to 15 year return frequency and the 1994 flood had a 15 to 20 year return frequency. Based upon the large number of structures flooded by such a low return frequency event, the accuracy of the 100-year base flood elevations at Simonton as published on the FEMA Flood Insurance Rate Map is questionable. It is possible that the Corps of Engineers Feasibility and Design Study proposed for fiscal year 1997 will produce higher base flood elevations on the Brazos River at Simonton.

To transition to the proposed higher elevation requirements, it is recommended that the City of Simonton revise the current Flood Damage Prevention Ordinance to require the finish floor of new and substantially improved (over 50% improvement) structures be elevated a minimum of one foot above the FEMA Base Flood Elevation (BFE) as shown on the 1992 FIRM (*Reference 13*).

Implementation of an updated Flood Damage Prevention Ordinance will allow homeowners and developers of new construction to take advantage of flood insurance premium reductions and provide a freeboard of one foot above the base flood elevation.

C. ENCOURAGE CITIZENS AND PROPERTY OWNERS TO PURCHASE FLOOD INSURANCE.

Based upon the City of Simonton Flood Insurance Program Status Report provided by FEMA Region VI, Denton, Texas (see *Table 8*), a total of 163 flood insurance claims have been paid within the City of Simonton since 1978. The standard homeowner's insurance policy does not cover losses from rising water and flood insurance must be purchased to cover such damage. Due to the location of Simonton in proximity to the Brazos River and the threat of coastal or tropical storms, it is recommended that all citizens consider purchasing flood insurance. The City of Simonton has instituted a Public Information Program to inform

citizens of the availability of flood insurance and the local library at City Hall has an excellent selection of brochures, research documents, study reports and floodplain maps to inform interested citizens about floodplain management and flood prevention techniques.

Citizens that suffer flood losses and do not have flood insurance are often dependent on Federal, state and nonprofit relief programs. These relief programs are usually available only if the flood event is so serious that it is declared a Presidential Disaster. The October 1994 East Texas flood event was a Presidentially Declared Disaster and disaster relief was available to 38 Texas counties, including Fort Bend County. The City of Simonton sustained minimal damage to public owned properties and no Federal or state relief was requested or required. Many of the relief programs are loan programs and disaster victims are required to repay loans and carry flood insurance as a condition of the loan. The disaster victim with flood insurance coverage can simply file his claim and continue on as if it were any other type of insured loss.

D. MITIGATION INSURANCE

The Federal Emergency Management Agency has developed regulations for Mitigation Insurance as authorized by the National Flood Insurance Program Reform Act of 1994. Mitigation Insurance will be offered by FEMA beginning April 1, 1997 based on the March 1996 FEMA Bulletin included in Appendix A. Mitigation Insurance covers the cost to repair and reconstruct substantially damaged or repetitively flooded structures to comply with floodplain management regulations. The City of Simonton Flood Damage Protection Ordinance requires that substantially improved structures be elevated so that the lowest floor is above the base flood elevation. "Substantially improved" is defined by FEMA as any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures which have incurred "substantial damage," regardless of the actual repair work performed. The term does not, however, include either:

- (1) Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which is the minimum necessary to assure safe living conditions, or
- (2) Any alteration of a “historic structure,” provided that the alteration will not preclude the structure’s continued designation as a “historic structure.”

In the event a major flood occurs in Simonton and structures are substantially damaged, a permit to rebuild cannot be issued unless the structure is brought into compliance either by reconstructing with the lowest finish floor elevated above the base flood elevation or retrofitting the structure by physically raising the structure where the lowest floor is above the base flood elevation. Mitigation insurance would provide additional funding above the standard flood insurance policy. Without the availability of mitigation insurance, the structure owner must bear the additional expense to reconstruct or retrofit (raise) the substantially damaged structure above the base flood elevation. In special circumstances it may be possible to flood-proof a structure to a level above the base flood elevation.

E. RETROFITTING FLOOD-PRONE STRUCTURES

The City of Simonton has 26 designated repetitive loss structures that have received two or more flood insurance claim payments since 1978. Public input at the June 6, 1996 Simonton Public Meeting indicates that the total number of flood-prone structures in Simonton exceeds 100. A total of 163 flood insurance claims have been paid in Simonton since 1978. Currently 165 flood insurance policies are in force in the City. While a flood protection levee is a preferred solution to the flood problem, one must be realistic regarding the requirements for approval, design, funding and construction of major levee projects that can be very costly and time-consuming. In the meanwhile, retrofitting flood-prone structures is a viable alternative. Retrofitting methods include:

- Elevation
- Relocation
- Dry Flood-proofing
- Wet Flood-proofing
- Flood walls/Levees

In FEMA's Engineering Principles and Practices for Retrofitting Flood-prone Residential Structures, IS-279/January 1995 (*Reference 13*), examples of retrofitting include:

Elevation: The elevation of the existing structure on fill or foundation elements such as solid perimeter walls, piers, posts, columns, or pilings.

Relocation: Relocating the existing structure outside the identified floodplain.

Dry Flood-proofing: Strengthening of existing foundations, floors, and walls to withstand flood forces while making the structure watertight.

Wet Flood-proofing: Making utilities, structure components, and contents flood-and water-resistant during periods of flooding within the structure.

Flood walls/Levees: The placement of flood walls or levees around the structure.

Estimated construction costs were prepared for each method and based on a prototype 2,000 square foot, brick veneer, residential structure on a concrete slab with a large lot with sufficient area for a flood wall or levee.

F. ESTIMATED CONSTRUCTION COSTS FOR RETROFITTING METHODS

<u>Method</u>	<u>Construction Cost</u>	<u>Description</u>
Elevation	\$45,500	2,000 sf. structure on slab elevated 3'
Relocation	\$55,500	2,000 sf. structure on slab relocated in area
Dry Flood-proofing	\$11,000	2,000 sf. structure dry flood-proofed 36"
2' Flood wall	\$27,400	12" wide x 2' high concrete wall
3' Flood wall	\$35,600	12" wide x 3' high concrete wall
2' Levee	\$21,000	2' earth levee with driveway ramp
3' Levee	\$35,700	3' earth levee with driveway ramp
Wet Flood-proofing	N/A	Not recommended for residential structures

The estimated construction cost is based on a 2,000 square foot, brick veneer residential structure on concrete slab. The preliminary design and estimated construction costs are based on FEMA's Engineering Principles and Practices for Retrofitting Flood-prone Residential Structures, IS-279-January, 1995.

A benefit cost analysis is based on 163 flood insurance claims paid in Simonton since 1978. Flood insurance claims total \$4,468,006 and the average flood insurance claim is \$27,411. Three retrofitting methods have a one-time construction cost less than the average flood insurance claim paid. The highest retrofitting method cost is relocation and the one-time benefit to cost ratio is 0.49. However, an average residential structure in the flood-prone area with a projected useful life of 50 years has the potential of flooding many times. Twenty-six structures in Simonton have been paid two or more flood insurance claims since 1978. In the 1991 and 1994 floods over 100 structures were flooded in each flood. Based on the large number of flood-prone structures in Simonton, elevation and relocation would be economically feasible retrofitting methods. Each structure to be retrofitted should be analyzed based on the relationship of the lowest floor to the 100-year base flood elevation. Elevation and relocation are the most expensive methods analyzed but they provide the highest degree of safety and do not require continual maintenance as do flood walls, levees and dry flood-proofing.

Dry flood-proofing requires design by a professional engineer due to engineering analysis required. FEMA also requires certification by a professional engineer to adjust the insurance rate applied to a flood-proofed structure. Dry flood-proofing is normally applicable to commercial structures with concrete walls or masonry block construction. Brick veneer residential structures must be coated with a waterproofed barrier considered objectionable to most homeowners. Flood shields must be installed for all openings below the flood-proofed level. Doorways can be configured with a Dutch door apparatus that allows flood-proofing up to three feet.

Wet flood-proofing is a technique normally used for commercial structures and is not applicable to residential structures. FEMA will not approve wet flood-proofing to reduce flood insurance policy premiums. Backflow prevention measures are recommended for all structures in flood-prone areas. The City of Simonton should consider adopting building code policies that require back-flow prevention for sanitary systems.

FEMA plans to offer Mitigation Insurance in 1997 as described in more detail in this section and included in Appendix A. Mitigation Insurance would fund retrofitting expense and is recommended for all flood-prone structures in Simonton. FEMA's October 1, 1994 National Flood Insurance Program Regulations Pertaining to Mapping of Areas Protected by Levee Systems (Section 65.10) are included in Appendix A.

G. ACQUISITION AND RELOCATION

The Federal Emergency Management Agency and the Federal Insurance Administration (FIA) published Flood Hazard Boundary Maps and Flood Insurance Rate Maps (FIRM) throughout the United States to identify Special Flood Hazard Areas. These maps notify communities of flood hazard areas so that the community can adopt appropriate land use requirements. The initial mapping for Fort Bend County and the City of Simonton was published by FIA in 1976. Areas within the City of Simonton and adjacent areas in Fort Bend County had experienced development prior to publication of the flood hazard area

maps. A major portion of this early development is located within the identified flood hazard area and constructed below the 100-year base flood elevation. The early development, referred to as Pre-FIRM construction, while eligible for flood insurance, accounts for the large number of flooded structures in Simonton during the recent 1991 and 1994 floods. An effective floodplain management or mitigation measure is to acquire and relocate flood-prone structures out of the floodplain. During the October 1994 flood approximately 600 structures in Montgomery County were identified for acquisition and relocation. FEMA's Hazard Mitigation Grant Program provided the funding for the acquisition and relocation program. As a result of the Presidentially Declared Disaster, a voluntary (75% Federal 25% Local) funding program was available. The local share of funding can be HUD Community Development Block Grant funds, local funds and/or State of Texas funds. This program is administered in Texas by the Texas Department of Public Safety Division of Emergency Management. The total amount of Federal funding available is limited to a percentage of the Federal public and private assistance funding in response to a Presidentially Declared Disaster. Flood-prone communities such as Simonton are encouraged to develop a Hazard Mitigation Plan that identifies potential flood-prone structures for acquisition and relocation. Based upon information received at the June 6, 1996 City of Simonton Public Meeting, 110 structures flooded in the 1991 flood and 125 structures flooded in 1994. Unfortunately, a major number of these flooded structures did not have flood insurance because FEMA records only show 26 repetitive loss structures in Simonton since 1978. The Hazard Mitigation Plan for Simonton should identify repetitive loss structures and seriously flood-prone structures as candidates for acquisition and relocation.

FEMA is preparing regulations for implementation of the Flood Mitigation Assistance Program (FMAP) authorized under the National Flood Insurance Reform Act of 1994. The FMAP Program will provide Federal Grants to states and communities based on a 75 percent/25 percent cost share for mitigation plans and projects. Eligible project activities include: acquisition and relocation, elevation, flood-proofing, demolition, small structural works that do not duplicate other agencies' programs (e.g., no major levees), beach nourishment, and technical assistance. States and communities must have an approved flood mitigation plan before they can be eligible to receive project grants.

FMAP planning and project grants are proposed for Fiscal Year 1997. Levee projects are not eligible for funding but acquisition and relocation; elevation and flood-proofing would be excellent target projects for the City of Simonton.

H. DEVELOPMENT CONTROLS

Development Controls are effective nonstructural floodplain management techniques to mitigate future flood losses. Development such as the recent Valley Lodge Golf Club Expansion Project is an excellent open space use of flood-prone property. The recommended update to the City of Simonton Flood Damage Prevention Ordinance would require new construction to be elevated a minimum of one foot above the 100-year base flood elevation. Fort Bend County currently requires one foot above the BFE and Simonton may wish to consider more than a one foot above BFE requirement based upon the recent flood events in 1991 and 1994.

I. POSSIBLE FUNDING SOURCES

Design and construction of the flood protection levee could possibly be funded through several sources, as discussed below.

- A. The US Army Corps of Engineers administers Section 205 of the Flood Control Act of 1948, Public Law 80-858. Flood Damage Reduction projects, similar to the proposed flood protection levee for the City of Simonton, are eligible for up to \$5 million Federal funding per project. The Feasibility and Design Phase is 100-percent Federally funded up to \$100,000, with a 50% cost share above that amount and requires a request from a potential sponsor and authority from Congress. The Feasibility and Design Study must be completed within one year. Based upon findings of the Feasibility and Design Study, the Corps will recommend whether preparation of plans and specifications is warranted. A cost-sharing agreement is required where 50% of the Feasibility Study cost is Federally funded and 50% Non-Federal. The 50% Non-Federal share is eligible for Texas Water Development Board funds leaving the remainder as local share. The design and construction phases are also cost-shared between the Corps of Engineers and the Local Sponsor. Prior to construction, the Local Sponsor is required to bear the cost of land acquisition, easements and relocation costs for roadways, bridges, utilities, etc.

- B. Fort Bend County can provide in-kind contributions toward this project, including possible channel and levee construction. Cash may be difficult to get from the County and/or Drainage District.

- C. Simonton could adopt a storm water utility and Impact Fee's for drainage improvements. This would be difficult because only Section II and III benefit.

- D. The City could create a Levee Improvement District, under Chapter 301, Title 30, TAC. Funding would be through issuance of bonds supported by ad valorem taxes on the property within the Levee Improvement District.

The City of Simonton could apply for funding from Texas Parks and Wildlife Department to acquire undeveloped flood-prone areas as recreation areas, open space, or wildlife preserve. We recommend that Fort Bend County be contacted for possible interest in creation of county park areas to be preserved as open space for floodwater conveyance or detention storage.

The U.S. Department of Agriculture has Federally funded programs to preserve wetland areas. This program could possibly fund a detention storage area within a Flood Protection Levee System or within the drainage outfall channel from the levee.

The Hazard Mitigation Grant Program and Flood Mitigation Assistance Program described in the Acquisition and Relocation Section is a 75% Federal/25% local cost share. The 25% local cost share may be funded with Community Development Block Grant funds, U.S. Department of Housing and Urban Development discretionary funds, or State of Texas funds. The Texas Water Development Board will fund up to 50% of the local share for Federally funded cost sharing projects such as a Flood Protection Levee Feasibility Study or design project. Creation of a levee improvement district or a storm water utility could establish a source of funds for flood protection and drainage improvement projects.

VII. RECOMMENDED FLOOD PROTECTION PLAN

Based on the analyses and investigations of this study, the Recommended Flood Protection Plan for the study area consists of the following elements:

Long Range - It is recommended that the City of Simonton develop a levee system, including associated diversion channel, detention storage area, main channel and collector channel. Design of the levee system should be based on FEMA's 100-year water surface elevations.

The recommended levee system, if fully implemented, can provide protection from both Brazos River flooding and flooding associated with local storm events. The City should actively support the proposed Corps of Engineers Feasibility and Design Study as a means of forwarding this goal.

Short Range - Development of a 100-year levee system may take a number of years to accomplish. In the meantime, the City can reduce flood damage and associated financial losses, in certain instances by the following means:

1. Promote Flood Insurance for residents of all flood-prone areas. This is the most expedient and cost-effective means of reducing financial losses from flooding.
2. Promote Mitigation Insurance, when it becomes available. This additional insurance will help to cover the costs of bringing substantially damaged or repetitively flooded structures into compliance with floodplain regulations. Doing so should reduce the damages resulting from future flood events.
3. Educate the public about retrofitting options for existing structures. On an individual basis, retrofitting may allow property owners to avoid future flood damage. This option, along with the previously mentioned insurance programs, offers the greatest benefit for properties in Section I, for which no levee system is proposed.
4. Implement interim protection measures discussed in Section V. These measures can reduce or prevent flood damages in certain instances and/or areas of the subdivision. These measures, for the most part, can be incorporated into the ultimate plan.
5. Adopt more stringent development controls, particularly by increasing required building elevations to be at least one foot above the base flood elevation.

Implementation Schedule

The following implementation schedule for the recommended long range flood protection plan is based on the assumption that the U.S. Army Corps of Engineers will have a primary role in the design and construction of this project. As such, the implementation schedule is highly dependent on the Corps' process and procedures. The following information was taken from a memo prepared by the Corps to address the schedule and funding issues associated with this project.

First Phase - Initial Appraisal Report

October, 1995

This report, prepared by the USACE has been completed. The report found a favorable cost-benefit ratio for the project and recommended further study. Funding (\$10,000) was 100% Federal.

Second Phase - Feasibility Study and Design

1997

This is a more detailed study by the USACE to thoroughly analyze the feasibility of the project and prepare the hydrologic and hydraulic design analyses of the project. Funding is 100% Federal up to \$100,000 and 50-50 Federal and Local beyond that.

Third Phase - Plans and Specifications

1998-1999

This plan involves the preparation of construction plans and specifications by the USACE for the final project design recommended in the previous phase. Funding is 100% Federal, to be applied against total project costs to be shared with the Local sponsor.

Fourth Phase - Construction

1999-2000

The final phase of the project is construction. In conjunction with this phase, the Local sponsor must acquire all necessary easements, rights-of-way, etc. for the project. Funding is shared between Federal and Local Sponsors, with a minimum 35% Local Share up to a maximum 50% local share.

The Corps' process described above is contingent on both a favorable recommendation being issued at each stage of the Study, and on the availability of funds, which requires Congressional authorization on the Federal portion.

**COST ESTIMATE
LEVEE SYSTEM**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Clearing and Grubbing	75.5	ACRE	\$1,500	\$113,250
2.	Levee Embankment	151,000	C.Y.	\$2.50	\$377,500
3.	Diversion Channel Excavation	164,000	C.Y.	\$2.00	\$328,000
4.	Main Channel Excavation	30,000	C.Y.	\$2.50	\$75,000
5.	Collector Channel Excavation	43,000	C.Y.	\$2.00	\$86,000
6.	Outfall Structure, Levee at Main Channel	1	L.S.	\$100,000	\$100,000
7.	Outfall Structure, Main Channel at Brazos River	1	L.S.	\$75,000	\$75,000
8.	Outfall Structure, Diversion Channel at Brazos River	1	L.S.	\$75,000	\$75,000
9.	Drop Structure, Collector Channel	1	L.S.	\$20,000	\$20,000
10.	Seeding and Fertilizing	72.7	ACRE	\$850	\$61,800
Construction Cost:					\$1,311,550
15% Contingencies:					\$196,750
Subtotal:					\$1,508,300
Engineering Surveying, Geotech (20%)					\$301,700
TOTAL:					\$1,810,000

**COST ESTIMATE
INTERIM MEASURES
RUE ROAD LEVEE SEGMENT**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Clearing and Grubbing	3.8	ACRE	\$1,500	\$5,700
2.	Levee Embankment	9,190	C.Y.	\$3.00	\$27,570
3.	Reconstruct 8" Road Base, Including Salvaging Existing Material	3,985	S.Y.	\$8.00	\$31,880
4.	Regrade Sage Brush Road, Including 8" Road Base	200	L.F.	\$30.00	\$6,000
5.	Seeding and Fertilizing	3.8	ACRE	\$850	\$3,230
Construction Cost:					\$74,380
15% Contingencies:					\$11,160
Subtotal:					\$85,540
Engineering, Surveying, Geotech (20%)					\$17,110
TOTAL:					\$102,650

**COST ESTIMATE
INTERIM MEASURES
INTERNAL DRAINAGE IMPROVEMENTS**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Ft. Bend Drive Crossing of Main Channel	1	L.S.	\$75,000	\$75,000
2.	Pony Lane Outfall at Tejas Road	1	L.S.	\$18,000	\$18,000
3.	Pony Lane Outfall North at Cavalry Road	1	L.S.	\$11,000	\$11,000
4.	Miscellaneous Flapgate Installations				
	a. 30"	1	EACH	\$2,000	\$2,000
	b. 24"	3	EACH	\$1,500	\$4,500
	c. 18"	4	EACH	\$1,100	\$4,400
	d. 15"	1	EACH	\$1,000	\$1,000
Construction Cost:					\$115,900
15% Contingencies:					\$17,400
Construction Cost:					\$133,300
Engineering, Surveying, Geotech (20%)					\$26,700
TOTAL:					\$160,000

**COST ESTIMATE
INTERIM MEASURES
BRIDLE PATH LEVEE SEGMENT**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Clearing and Grubbing	2.3	ACRE	\$1,500	\$3,450
2.	Levee Embankment	4,900	C.Y.	\$3	\$14,700
3.	Outfall Channel Structures	3	EACH	\$10,000	\$30,000
4.	Seeding and Fertilizing	2.3	ACRE	\$850	\$1,950
Construction Cost:					\$50,105
15% Contingencies:					\$7,515
Subtotal:					\$57,620
Engineering, Surveying, Geotech (20%)					\$11,530
TOTAL:					\$69,150

REFERENCES

1. Flood Insurance Rate Map, National Flood Insurance Program, Fort Bend County, Texas and Incorporated Areas, Panels 50 (Map Number 48157C0050 H) and 75 (Map Number 48157C0075 H) of 550, Federal Emergency Management Agency, Effective Date: September 30, 1992
2. National Flood Insurance Program, Flood Insurance Rate Map, Austin County, Texas and Incorporated Areas, Map Numbers 48015C0275C and 48015C0325C
3. Brazos Valley Subdivision, Simonton, Texas, Section 205, Initial Appraisal, U.S. Army Corps of Engineers, Galveston District, Southwestern Division, October 1995
4. City of Simonton Flood Insurance Program Status Report FEMA Region VI, Denton, Texas
5. Brazos Valley Subdivision Drainage Study Engineering Report, January 24, 1995, and Construction Plans of Brazos Valley Drainage System Improvements for the City of Simonton, January 14, 1995, by Pledger Kalkomey, Inc.
6. HEC-2, Water Surface Profiles, Users Manual, U.S. Army Corps of Engineers, Hydrologic Engineering Center, September 1982
7. Flood Insurance Study, Fort Bend County, Texas and Incorporated Areas, Federal Emergency Management Agency, September 30, 1992
8. Meeting Report between Halff Associates, Inc. and U.S. Army Corps of Engineers, Galveston District, June 28, 1996
9. Federal Insurance Administration Letter to Fort Bend County Commissioners Court in response to a March 1, 1976 resolution

10. National Flood Insurance Program and Related Regulations, Federal Emergency Management Agency, Revised October 1994
11. Flood Plain Information, Brazos River, Fort Bend County, Texas, U.S. Army Corps of Engineers, Galveston District, Texas, February 1977
12. City of Simonton, Texas Flood Damage Prevention Ordinance No. 87-4 Passed, Approved and Adopted April 21, 1987
13. Engineering Principals and Practices for Retrofitting Flood-Prone Residential Structures, IS-279/January, 1995 published by the Federal Emergency Management Agency.

APPENDIX

APPENDIX A

1. FEMA, A Bulletin About the National Flood Insurance Reform Act of 1994, March 1996, “Maximum Flood Insurance Coverage Amounts”
2. FEMA, A Bulletin About the National Flood Insurance Reform Act of 1994, March 1996, “Mitigation Assistance Program (Section 553) Summary”
3. FEMA, A Bulletin About the National Flood Insurance Reform Act of 1994, March 1996, “Additional Coverage for Compliance with Land Use and Control Measures (Section 555) and Subtitle D, Mitigation Insurance”
4. Federal Emergency Management Agency National Flood Insurance Program and Related Regulations, Revised October 1, 1994, Section 65.10 Mapping of Areas Protected by Levee Systems



Federal Emergency Management Agency

A Bulletin About the National Flood Insurance Reform Act of 1994

March 1996

Additional Coverage for Compliance With Land Use and Control Measures (Section 555)

SUMMARY

This section provides insurance protection to cover the cost to repair and reconstruct substantially damaged or repetitively flooded structures and comply with floodplain management regulations. This coverage is referred to as mitigation insurance.

ACTIONS

FEMA has met with the Association of State Floodplain Managers.

FEMA is presently doing actuarial studies for pricing information.

FEMA is drafting the coverage provisions.

FEMA is exploring other aspects of this coverage such as a cap, which would be the maximum amount of coverage to an individual and the relationship of this to the other coverage limits.

FEMA plans to have mitigation insurance effective April 1, 1997.

Subtitle D, Mitigation Insurance

Q. How much will the mitigation insurance cost?

A. A maximum charge of \$75 will be added to flood insurance premiums. However, the cost may be less than \$10 for some structures. The cost will be based on the structure's risk of incurring damage that would trigger the need for such coverage. For instance, an older building that does not meet NFIP requirements for new construction would have a greater charge than a newer building that has been built in compliance with the NFIP requirements then in effect.



Federal Emergency Management Agency

A Bulletin About the National Flood Insurance Reform Act of 1994

March 1996

Maximum Flood Insurance Coverage Amounts (Section 573)

SUMMARY

The maximum flood insurance coverage amounts available were increased.

Increased Flood Insurance Coverage Limits

<u>Building Type</u>	<u>Building Coverage</u>	<u>Contents Coverage</u>
Single Family	\$250,000	\$100,000
2-4 Family	\$250,000	\$100,000
Other	\$250,000	\$100,000
Residential		
Residential	\$250,000	\$100,000
Condo (Individual)		
Condo-Master	\$250,000	\$100,000
(Bldg only x # units)		
Commercial	\$500,000	\$500,000
(including small business)		

ACTIONS

The Final Rule was published in the Federal Register on Jan. 30, 1995, making the increased coverage limits effective Mar. 1, 1995.



Federal Emergency Management Agency

A Bulletin About the National Flood Insurance Act of 1968

March 1996

Mitigation Assistance Program (Section 553) SUMMARY

FEMA is to provide grants to states and communities based on a 75 percent/25 percent cost share for mitigation plans and projects. Eligible project activities include: acquisition and relocation; elevation; floodproofing; demolition; small structural works that do not duplicate other agencies' programs (e.g. no major levees); beach nourishment; and technical assistance. States and communities must have an approved flood mitigation plan before they can be eligible to receive project grants.

ACTIONS

FEMA has been receiving input on the Flood Mitigation Assistance Program (FMAP) as progress is made to coordinate the development of the FMAP with a revision of the existing Hazard Mitigation Grant Program. Significant effort has been made to have the two programs compliment one another and maximize mitigation gains.

Draft regulations have been prepared and are currently being circulated for internal FEMA review. The regulations will then be forwarded to the Office of Management and Budget (OMB) for review and comment prior to publication in the Federal Register. The Interim Final regulations are expected to be published by Spring of 1996. Planning and project grants will be awarded later in the year. When the Interim Final regulations for the FMAP are published, they will be effective, although comments will be accepted and considered when the regulations are later finalized.

Contact Karen Helbrecht if you would like a copy of the Interim Final regulations when they are published:

Federal Emergency Management Agency
500 C Street, S. W., Room 417
Washington, D. C. 20472

Additional Coverage for Compliance With Land Use and Control Measures (Section 555) SUMMARY

This section provides insurance protection to cover the cost to repair and reconstruct substantially damaged or repetitively flooded structures and comply with floodplain management regulations. This coverage is referred to as mitigation insurance.

ACTIONS

FEMA has met with the Association of State Floodplain Managers.

FEMA is presently doing actuarial studies for pricing information.

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FEMA is exploring other aspects of this coverage such as a cap, which would be the maximum amount of coverage to an individual and the relationship of this to the other coverage limits.

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A. A maximum charge of \$75 will be added to flood insurance premiums. However, the cost may be less than \$10 for some structures. The cost will be based on the structure's risk of incurring damage that would trigger the need for such coverage. For instance, an older building that does not meet NFIP requirements for new construction would have a greater charge than a newer building that has been built in compliance with the NFIP requirements then in effect.



Mitigation Assistance Program (Section 553)

SUMMARY

FEMA is to provide grants to states and communities based on a 75 percent/25 percent cost share for mitigation plans and projects. Eligible project activities include: acquisition and relocation; elevation; floodproofing; demolition; small structural works that do not duplicate other agencies' programs (e.g. no major levees); beach nourishment; and technical assistance. States and communities must have an approved flood mitigation plan before they can be eligible to receive project grants.

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FEDERAL EMERGENCY MANAGEMENT AGENCY

Revised as of October 1, 1994*

National Flood Insurance Program and Related Regulations

* This includes the changes relating to the waiting period and the increased limits of coverage which became effective March 1, 1995, and the regulations establishing a Standard Flood Hazard Determination Form which became effective July 6, 1995.

NOTE: On October 25, 1994, FEMA published an interim final rule which established a new flood insurance rate zone (Zone AR) for areas designated as flood control restoration zones on National Flood Insurance Program maps. The interim final rule also established minimum floodplain management requirements and provided regulatory guidance for implementing statutory requirements, including procedure to identify and map areas as flood control restoration zones. A comment period ending on December 9, 1994, was provided and then extended to December 23, 1994. This document, which went to printing in August 1995, does not contain the revisions included in the October 25 **Federal Register** publication because the final final rule has not yet been published .



sought based on a levee system, and upon request by the Administrator during the review of previously recognized structures. The FEMA review will be for the sole purpose of establishing appropriate risk zone determinations for NFIP maps and shall not constitute a determination by FEMA as to how a structure or system will perform in a flood event.

(b) *Design criteria.* For levees to be recognized by FEMA, evidence that adequate design and operation and maintenance systems are in place to provide reasonable assurance that protection from the base flood exists must be provided. The following requirements must be met:

(1) *Freeboard.* (i) Riverine levees must provide a minimum freeboard of three feet above the water-surface level of the base flood. An additional one foot above the minimum is required within 100 feet in either side of structures (such as bridges) riverward of the levee or wherever the flow is constricted. An additional one-half foot above the minimum at the upstream end of the levee, tapering to not less than the minimum at the downstream end of the levee, is also required.

(ii) Occasionally, exceptions to the minimum riverine freeboard requirement described in paragraph (b)(1)(i) of this section, may be approved. Appropriate engineering analyses demonstrating adequate protection with a lesser freeboard must be submitted to support a request for such an exception. The material presented must evaluate the uncertainty in the estimated base flood elevation profile and include, but not necessarily be limited to an assessment of statistical confidence limits of the 100-year discharge; changes in stage-discharge relationships; and the sources, potential, and magnitude of debris, sediment, and ice accumulation. It must be also shown that the levee will remain structurally stable during the base flood when such additional loading considerations are imposed. Under no circumstances will freeboard of less than two feet be accepted.

(iii) For coastal levees, the freeboard must be established at one foot above the height of the one percent wave or the maximum wave runup (whichever

§65.10 Mapping of areas protected by levee systems.

(a) *General.* For purposes of the NFIP, FEMA will only recognize in its flood hazard and risk mapping effort those levee systems that meet, and continue to meet, minimum design, operation, and maintenance standards that are consistent with the level of protection sought through the comprehensive flood plain management criteria established by §60.3 of this subchapter. Accordingly, this section describes the types of information FEMA needs to recognize, on NFIP maps, that a levee system provides protection from the base flood. This information must be supplied to FEMA by the community or other party seeking recognition of such a levee system at the time a flood risk study or restudy is conducted, when a map revision under the provisions of part 65 of this subchapter is

is greater) associated with the 100-year stillwater surge elevation at the site.

(iv) Occasionally, exceptions to the minimum coastal levee freeboard requirement described in paragraph (b)(1)(iii) of this section, may be approved. Appropriate engineering analyses demonstrating adequate protection with a lesser freeboard must be submitted to support a request for such an exception. The material presented must evaluate the uncertainty in the estimated base flood loading conditions. Particular emphasis must be placed on the effects of wave attack and overtopping on the stability of the levee. Under no circumstances, however, will a freeboard of less than two feet above the 100-year stillwater surge elevation be accepted.

(2) *Closures.* All openings must be provided with closure devices that are structural parts of the system during operation and design according to sound engineering practice.

(3) *Embankment protection.* Engineering analyses must be submitted that demonstrate that no appreciable erosion of the levee embankment can be expected during the base flood, as a result of either currents or waves, and that anticipated erosion will not result in failure of the levee embankment or foundation directly or indirectly through reduction of the seepage path and subsequent instability. The factors to be addressed in such analyses include, but are not limited to: Expected flow velocities (especially in constricted areas); expected wind and wave action; ice loading; impact of debris; slope protection techniques; duration of flooding at various stages and velocities; embankment and foundation materials; levee alignment, bends, and transitions; and levee side slopes.

(4) *Embankment and foundation stability.* Engineering analyses that evaluate levee embankment stability must be submitted. The analyses provided shall evaluate expected seepage during loading conditions associated with the base flood and shall demonstrate that seepage into or through the levee foundation and embankment will not jeopardize embankment or foundation stability. An alternative analysis demonstrating that the levee is designed and constructed for stability against

loading conditions for Case IV as defined in the U.S. Army Corps of Engineers (COE) manual, "Design and Construction of Levees" (EM 1110-2-1913, Chapter 6, Section II), may be used. The factors that shall be addressed in the analyses include: Depth of flooding, duration of flooding, embankment geometry and length of seepage path at critical locations, embankment and foundation materials, embankment compaction, penetrations, other design factors affecting seepage (such as drainage layers), and other design factors affecting embankment and foundation stability (such as berms).

(5) *Settlement.* Engineering analyses must be submitted that assess the potential and magnitude of future losses of freeboard as a result of levee settlement and demonstrate that freeboard will be maintained within the minimum standards set forth in paragraph (b)(1) of this section. This analysis must address embankment loads, compressibility of embankment soils, compressibility of foundation soils, age of the levee system, and construction compaction methods. In addition, detailed settlement analysis using procedures such as those described in the COE manual, "Soil Mechanics Design—Settlement Analysis" (EM 1100-2-1904) must be submitted.

(6) *Interior drainage.* An analysis must be submitted that identifies the source(s) of such flooding, the extent of the flooded area, and, if the average depth is greater than one foot, the water-surface elevation(s) of the base flood. This analysis must be based on the joint probability of interior and exterior flooding and the capacity of facilities (such as drainage lines and pumps) for evacuating interior floodwaters.

(7) *Other design criteria.* In unique situations, such as those where the levee system has relatively high vulnerability, FEMA may require that other design criteria and analyses be submitted to show that the levees provide adequate protection. In such situations, sound engineering practice will be the standard on which FEMA will base its determinations. FEMA will also provide the rationale for requiring this additional information.

(c) *Operation plans and criteria.* For a levee system to be recognized, the operational criteria must be as described below. All closure devices or mechanical systems for internal drainage, whether manual or automatic, must be operated in accordance with an officially adopted operation manual, a copy of which must be provided to FEMA by the operator when levee or drainage system recognition is being sought or when the manual for a previously recognized system is revised in any manner. All operations must be under the jurisdiction of a Federal or State agency, an agency created by Federal or State law, or an agency of a community participating in the NFIP.

(1) *Closures.* Operation plans for closures must include the following:

(i) Documentation of the flood warning system, under the jurisdiction of Federal, State, or community officials, that will be used to trigger emergency operation activities and demonstration that sufficient flood warning time exists for the completed operation of all closure structures, including necessary sealing, before floodwaters reach the base of the closure.

(ii) A formal plan of operation including specific actions and assignments of responsibility by individual name or title.

(iii) Provisions for periodic operation, at not less than one-year intervals, of the closure structure for testing and training purposes.

(2) *Interior drainage systems.* Interior drainage systems associated with levee systems usually include storage areas, gravity outlets, pumping stations, or a combination thereof. These drainage systems will be recognized by FEMA on NFIP maps for flood protection purposes only if the following minimum criteria are included in the operation plan:

(i) Documentation of the flood warning system, under the jurisdiction of Federal, State, or community officials, that will be used to trigger emergency operation activities and demonstration that sufficient flood warning time exists to permit activation of mechanized portions of the drainage system.

(ii) A formal plan of operation including specific actions and assign-

ments of responsibility by individual name or title.

(iii) Provision for manual backup for the activation of automatic systems.

(iv) Provisions for periodic inspection of interior drainage systems and periodic operation of any mechanized portions for testing and training purposes. No more than one year shall elapse between either the inspections or the operations.

(3) *Other operation plans and criteria.* Other operating plans and criteria may be required by FEMA to ensure that adequate protection is provided in specific situations. In such cases, sound emergency management practice will be the standard upon which FEMA determinations will be based.

(d) *Maintenance plans and criteria.* For levee systems to be recognized as providing protection from the base flood, the maintenance criteria must be as described herein. Levee systems must be maintained in accordance with an officially adopted maintenance plan, and a copy of this plan must be provided to FEMA by the owner of the levee system when recognition is being sought or when the plan for a previously recognized system is revised in any manner. All maintenance activities must be under the jurisdiction of a Federal or State agency, an agency created by Federal or State law, or an agency of a community participating in the NFIP that must assume ultimate responsibility for maintenance. This plan must document the formal procedure that ensures that the stability, height, and overall integrity of the levee and its associated structures and systems are maintained. At a minimum, maintenance plans shall specify the maintenance activities to be performed, the frequency of their performance, and the person by name or title responsible for their performance.

(e) *Certification requirements.* Data submitted to support that a given levee system complies with the structural requirements set forth in paragraphs (b)(1) through (7) of this section must be certified by a registered professional engineer. Also, certified as-built plans of the levee must be submitted. Certifications are subject to the definition given at § 65.2 of this subchapter. In lieu of these structural requirements, a

§65.11

Federal agency with responsibility for levee design may certify that the levee has been adequately designed and constructed to provide protection against the base flood.

[51 FR 30316, Aug. 25, 1986]

APPENDIX “B”

City of Simonton Brazos River Hydraulic Model HEC-2 Computer Models

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Natural Conditions
10, 50, 100, and 500 Year Frequency
EX_NAT.FHO


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* HEC-2 WATER SURFACE PROFILES
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* Version 4.6.2; May 1991
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* RUN DATE 11SEP96 TIME 15:38:33
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* U. S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616-4687
* (916) 756-1104
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HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
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Filename: ex_nat.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

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T1 BRAZOS RIVER RSTUDY , FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
		3							58.47	
J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC		10 YR	50 YR	100 YR	500 YR	FLDWAY				
QT	7	181000	101000	157000	181000		242000	181000	181000	
ET		9.1	9.1	9.1	7.1			20669	38236	15000 41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.			
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	19540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5		29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				
ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC			.1	.3						
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1			27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120		28189.	.025	29274.	.050
NH	33947.										
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.				
X4	1.	67.0	21500.								
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.	
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.	
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.	
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.	
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.	
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.	
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.	
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.			

ET		9.1	9.1	9.1	7.1			29200.	34500.	24941.	37643.
NC			.1	.1	.3						
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050	
NH	37643.										
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.				
X4	1.	66.5	35000.								
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.	
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.	
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.	
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.	
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.	

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.	
GR	72.2	37643.									

NC			.1	.1	.3						
ET		9.1	9.1	9.1	7.1			28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050	
NH	32455.	.120	34650.	.050	39584.						
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.				
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.	
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.	
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.	
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.	
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.	
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.	
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.	
GR	76.6	39410.	81.4	39584.							

ET		9.1	9.1	9.1	7.1			4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050	
NH	10200	.120	23660								
X1	83.18	38	7279	7967	4400	7200	7000				
X4	1	69.6	10200								
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.	
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.	
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.	
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.	
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.	
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.	
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.	
GR	82.2	21448.	77.6	21548.	78.2	23660.					

ET		9.1	9.1	9.1	7.1			13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12	
NH	17450	0.06	20625	0.12	23450	0.06	30083				
X1	83.81	45	16150	16750	2500	2935	3370				
X4	1	71	24100								
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350	
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200	
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500	
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300	
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750	
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100	
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655	
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450	
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083	

ET		9.1	9.1	9.1	7.1			17000	20366	14498	21500
NC	.06	.06	.025								

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
NC				.3	.5						
X1	84.17	45	18700.	19866.	100.	100.	100.				
X2											15.

X4	1	92.0	19867.								
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.	
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.	
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.	
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.	
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.	
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.	
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.	
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.	
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.	

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4	
ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.				
X2											15.
X2			1.	85.1	91.3						
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1	
BT	19867.	92.0	92.0								

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3						
X1	84.21	45	18700.	19866.	100.	100.	100.				
X2											15.

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120	
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.		
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.				
X2											15.

X4	2.	73.0	19600.	72.0	26300.						
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.	
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.	
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.	
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.	
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.	

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2		1.	92.1		96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2		1.	90.0		93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			

ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC				.1	.3					
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC				.1	.3					
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	95.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	95.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC				.1	.3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09			30.	30.	30.				
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125						
X3	10										
BT	8	15200	110		15350	110		15450	111		17210
BT	15600	113		16050	125.1		16450	131.3			
BT	132.82		18000	132.82							
ET					8.4						
X1	127.63				100	100	100				
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	800	1200	1100				
X4	2	105	31000	105	32000						
GR	110	28300	108	31500	105	14450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	.05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	8000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300.	31200.	2400.	6000.	4200.				
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.	
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.	
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.	
GR	125.	44200.									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500.	32450.	7000.	5000.	9000.				
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.	
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.	
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.	
GR	105.	35000.	110.	42000.	111.	43700.					
NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.		
ET					7.4						
X1	135.	14	9300.	9950.	7000.	3000.	7400.				
GR	115.	1600.	110.	4800.	110.	8500.	110.	8700.	105.	8800.	
GR	100.	9300.	79.0	9550.	72.0	9700.	79.0	9850.	100.	9950.	
GR	110.	11000.	106.	12800.	110.	15000.	111.	17500.			
NC	.05	.06	.025	.1	.3						
ET					7.1		23000.	30250.			
X1	137.1	15	23250.	23900.	5400.	4000.	11200.				
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.	
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.	
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.	
NC	.05	.05	.025	.1	.3						
ET					7.1		18844.	24925.			
X1	138.	13	19300.	19900.	3500.	3000.	4800.				
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.	
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.	
GR	110.	23800.	110.	25400.	113.	27100.					

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NC	.05	.05	.025	.1	.3						
ET					7.1		21600.	25100.			
X1	139.	13	23000.	23700.	3400.	5000.	5200.				
X4	3	110	23020	105	23040	100	23100				
GR	115	10000	113	15000	115	18800	115	20800	110	21000	
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650	
GR	115	23700	115	24100	115.1	25200					

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SECNO	DEPTH	CWSEL	CRISW	WSELK	BG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
PER Q= 100.0
AREA= 16450.7
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
PER Q= 100.0
AREA= 16464.2
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
PER Q= 100.0
AREA= 16487.5
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
PER Q= 100.0
AREA= 16498.5
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
PER Q= 100.0
AREA= 19248.4
VEL= 5.2
DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BRJ838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
		4								
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
										00.
		2	-1							

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
PER Q= .6 .4 .1 97.7 1.2
AREA= 2080.9 1557.4 332.2 19892.9 2598.5
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
PER Q= .6 .4 .0 97.7 1.3
AREA= 2131.4 1595.3 82.2 19916.6 2572.2
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
PER Q= .6 .5 .0 97.6 1.3
AREA= 2247.0 1681.9 86.7 19970.0 2633.0
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
PER Q= .7 .5 .1 97.4 .0 1.3
AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
VEL= .4 .4 .4 7.6 .2 .8
DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
		8								
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
										00.
		3	-1							

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSL= 76.27

STA=	5792.	7670.	10000.	11100.	14500.	16500.	18626.	18700.	19866.	21500.	22500.	24000.	25215.
PER Q=	3.1	3.7	3.0	7.6	3.6	3.4	.0	57.9	3.3	3.2	4.3	3.1	
AREA=	8135.6	10026.0	6531.3	17951.2	9247.8	9141.8	75.8	23597.5	7914.2	6598.9	9260.8	7034.5	
VEL=	.9	.9	1.1	1.0	.9	.9	.3	5.9	1.0	1.2	1.1	1.1	
DEPTH=	4.3	4.3	5.9	5.3	4.6	4.3	1.0	20.2	4.8	6.6	6.2	5.8	

STA=	25215.	27450.	27654.
PER Q=	3.4	.4	
AREA=	9440.4	788.8	
VEL=	.9	1.1	
DEPTH=	4.2	3.9	

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSL= 76.29

STA=	5791.	7670.	10000.	11100.	14500.	16500.	18700.	19866.	22000.	24000.	25215.	27450.	27655.
PER Q=	3.1	3.8	3.1	7.7	3.6	2.9	58.3	4.7	5.9	3.2	3.5	.4	
AREA=	8168.0	10066.2	6550.2	18009.8	9282.2	7525.2	23617.6	9915.3	12432.2	7055.5	9478.9	792.3	
VEL=	.9	.9	1.1	1.0	.9	.9	6.0	1.1	1.1	1.1	.9	1.1	
DEPTH=	4.3	4.3	6.0	5.3	4.6	3.4	20.3	4.6	6.2	5.8	4.2	3.9	

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSL= 76.30

STA=	5790.	7670.	10000.	11100.	14500.	16500.	18700.	19866.	22000.	24000.	25215.	27450.	27656.
PER Q=	3.1	3.8	3.1	7.7	3.6	2.9	58.3	4.7	5.9	3.2	3.5	.4	
AREA=	8187.3	10090.2	6561.6	18044.9	9302.9	7542.7	23629.7	9932.2	12452.9	7068.0	9502.0	794.4	
VEL=	.9	.9	1.1	1.0	.9	.9	6.0	1.1	1.1	1.1	.9	1.1	
DEPTH=	4.4	4.3	6.0	5.3	4.7	3.4	20.3	4.7	6.2	5.8	4.3	3.9	

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSL= 76.33

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SECNO	DEPTH	CWSL	CRIMS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA=	5788.	7670.	10000.	11100.	14500.	16500.	18626.	18700.	19866.	21500.	22500.	24000.	25215.
PER Q=	3.1	3.8	3.0	7.6	3.6	3.4	.0	57.6	3.4	3.2	4.3	3.2	
AREA=	8234.3	10148.4	6589.0	18129.8	9352.8	9253.4	79.7	23658.8	8000.0	6651.4	9339.6	7098.3	
VEL=	.9	.9	1.1	1.0	.9	.9	.3	5.9	1.0	1.2	1.1	1.1	
DEPTH=	4.4	4.4	6.0	5.3	4.7	4.4	1.1	20.3	4.9	6.7	6.2	5.8	
STA=	25215.	27450.	27657.										
PER Q=	3.5	.4											
AREA=	9557.8	799.5											
VEL=	.9	1.1											
DEPTH=	4.3	3.9											

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSL= 76.88

STA=	1027.	5384.	13173.	15915.	16792.	21530.	24210.	26300.	29736.	29786.
PER Q=	3.1	3.9	2.6	74.8	4.3	4.7	3.5	3.1	.0	
AREA=	9791.1	14503.0	9643.3	25853.6	13806.4	12762.8	9681.6	16014.8	26.8	
VEL=	.8	.6	.6	7.0	.8	.9	.9	.5	.2	
DEPTH=	2.2	1.9	3.5	29.5	2.9	4.8	4.6	4.7	.5	

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THIS RUN EXECUTED 11SEP96 15:38:38

HEC-2 WATER SURFACE PROFILES

Version 4.6.2: May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.82121707.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49186749.40	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70256820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256648.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00	
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70	
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44	

76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30 63017.20
*	79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81 89680.11
*	79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90
*	79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37 74840.03	
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41 93500.73	
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37 78930.41	
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
*	83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00
*	83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30
*	83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40
*	83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90
*	83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81 66689.88
*	83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61 98445.86
*	83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20
83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71 80054.75	
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76 94782.58	
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16 80093.68	
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74 94860.26	
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49 80161.47	
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59 95202.61	
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64 80193.55	
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80 95448.02	
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43 89222.84	
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20
*	86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40
*	86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50
86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
*	87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37
*	87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10
*	87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10
87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	

90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58	99344.98	
90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45	132045.40	
90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90	140621.00	
90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51	160617.50	
*	91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22	60490.70
*	91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36	80602.32
*	91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39	87890.08
*	91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47	109323.30
92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88	66113.73	
92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58	90881.10	
92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66	100086.70	
92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95	132471.10	
92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01	66205.65	
92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27	91061.50	
92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46	100407.70	
92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38	133056.30	
92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15	66451.76	
92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29	91635.54	
92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59	10320.60	
92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52	134740.50	
92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07	66536.91	
92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50	91812.23	
92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34	10582.80	
92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27	135296.00	

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SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	BG	10*XS	VCH	AREA	.01K	
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84	71144.47	
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02	96711.46	
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80	102074.00	
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88	121161.80	
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27	71204.76	
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07	96843.69	
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92	101782.90	
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77	122197.60	
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19	71468.88	
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78	97338.24	
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04	102246.20	
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37	124035.50	
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56	71550.35	
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84	97463.00	
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13	103195.80	
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50	125027.80	
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08	84995.95	
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95	115185.20	
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65	123198.00	
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61	153231.60	
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43	78006.37	
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51	103011.40	
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40	111621.30	
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05	139747.20	
94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92	
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64	110257.00	
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42	121012.90	
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10	166281.20	
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15	
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12	138740.30	
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10	153675.80	
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65	189329.20	
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13	113643.30	
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93	147151.40	
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55	160877.90	
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68	191242.90	
*	99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
*	99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71	14904.70	
99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50	194798.40	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	91.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.84	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.231139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	6.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30	
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30	
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70	
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00	
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20	
* 126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20	

126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.30126455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
* 135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.09	7.82	41337.72108557.30	
* 135.000	7400.00	.00	.00	72.00	181000.00	111.85	.00	112.69	2.08	8.03	58178.21125519.20	
* 135.000	7400.00	.00	.00	72.00	242000.00	114.57	.00	115.29	1.90	8.15	98275.18175471.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.83	.00	113.45	1.89	7.17	55669.68114091.80	
137.100	11200.00	.00	.00	73.50	181000.00	113.99	.00	114.57	1.81	7.22	70860.89134558.80	
137.100	11200.00	.00	.00	73.50	242000.00	116.36	.00	116.85	1.65	7.30	104316.10188139.40	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54518.55108229.20	
138.000	4800.00	.00	.00	68.00	181000.00	114.79	.00	115.38	1.95	7.45	70239.35129472.20	
138.000	4800.00	.00	.00	68.00	242000.00	117.08	.00	117.52	1.64	7.22	105338.00188731.10	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.68	8.28	30419.78 95973.58	
139.000	5200.00	.00	.00	62.50	181000.00	115.64	.00	116.65	2.76	8.61	43972.00109044.40	
139.000	5200.00	.00	.00	62.50	242000.00	117.77	.00	118.61	2.53	8.69	76279.88152084.70	

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00

65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSBL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00

*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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	SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIFKWS	TOPWID	XLCH
	81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
	81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
	81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
	81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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	SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIFKWS	TOPWID	XLCH
	88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
	88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
	88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
	88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00

92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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PAGE 38

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
* 99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
* 100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
* 100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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PAGE 39

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
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100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CNSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5909.11	4000.00
127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00

127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.90	8020.90	1100.00

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.27	4.23	12052.13	7400.00
* 135.000	181000.00	111.85	1.26	.17	.00	13886.90	7400.00
* 135.000	242000.00	114.57	2.72	.08	.00	15625.95	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.83	4.33	2.24	4.33	12461.97	11200.00
137.100	181000.00	113.99	1.16	2.14	.00	13475.62	11200.00
137.100	242000.00	116.36	2.37	1.79	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.85	4.18	13314.64	4800.00
138.000	181000.00	114.79	1.11	.79	.00	14980.97	4800.00
138.000	242000.00	117.08	2.30	.72	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10038.01	5200.00
139.000	181000.00	115.64	1.00	.86	.00	15200.00	5200.00
139.000	242000.00	117.77	2.12	.68	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Existing Natural Conditions - Alignment #1
10, 50, 100, and 500 Year Frequency
EX_NATA1.FHO

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:39:13 *
*****

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.....
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
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THIS RUN EXECUTED 11SEP96 15:39:13

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: ex_natal.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
3 58.47

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
1 -1 00.
110 150 200

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
150

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
-10 -10

NC		10 YR	50 YR	100 YR	500 YR	PLDWAY						
QT	7	181000	101000	157000	181000	242000	181000	181000				
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899		
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06		
NH	34878	0.12	44078									
X1	64.53	33.	24100.	24542.	0.	0.	0.					
X4	2	53.2	12600.	53.	13000.							
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.		
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.		
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.		
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.		
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.		
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.		
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.		

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.		
NC				.1	.3							
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07		
NH	37358.	0.12	40273.									
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.					
X4	2.	54.	15000.	54.5	22600.							
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.		

GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.
GR	20.6	24840.	10.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET				7.1		18700.	33373.			
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	51.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	55.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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PAGE 3

GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.

JR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.	
JR	58.5	39540.	50.6	39595.	50.9	41243.	49.5	41371.	50.5	41426.	
JR	60.0	43700.	51.0	43850.	50.0	44000.	53.0	45500.	53.0	46000.	
JR	50.0	46550.	49.0	46700.	55.0	47050.	70.0	47700.			
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	12	.07	.025								
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.				
X4	2	56.3	27100.	57.1	32750.						
JR	70.	27000.	56.3	29500.	50.5	30500.	60.0	31007.	13.9	31167.	
JR	17.0	31185.	7.5	31215.	15.0	31295.	19.0	31495.	50.0	31624.	
JR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.	
JR	62.5	42880.	50.1	43880.	50.5	44880.	50.5	46400.	52.0	46547.	
JR	50.5	46680.	51.7	48360.	51.7	49400.	50.0	49530.	59.0	49623.	

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JR	59.1	49890.	55.0	50080.	70.0	50330.					
ET			9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				50.	50.	50.				
X2			1.0	66.3	56.5						
BT	15	27000	70		27100	62.5		29500	63		
BT	31007	59.6	60.0	31007.5	59.6	66.3	31623.5	59.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9	
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC					.3	.5					
X1	71.28				100	100	100				
ET						7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					

ET						7.1		17248.	25698.	14300.	28074.
NC			.3	.5							
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050	
NH	28074.	.06	29039.								
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.				
X4	2	61.0	14400.	60.0	14900.						
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.	
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.	
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.	
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.	
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.			
ET						7.1		10293.	21200.		
NC			.1	.3							
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025	
NH	20224.	.06	24630.								
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.				
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.	
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.	
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.	
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.	
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.	
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.	
GR	61.2	23461.	66.8	24630.							

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ET			9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12	
NH	15500.	.05	24676.								
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.				
X4	1	60.4	12200.								
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.	
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.	
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.	
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.	
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.	
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.	
GR	61.5	24450.	66.9	24676.							
ET			9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.

NH	7	.050	8000.	.060	11147.	.120	17300.	.025	18020.	.120
NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000							
GR	72	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72	11700.	67.	11700.	57.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	57.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC			.1	.3						
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC			.1	.3						
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	9000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	14.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
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NC	26	36	225							
X1	34.15	45.	18700.	19866.	2000.	2500.	1700.			15.
X2										
JR	31.	5500.	72.9	6000	72.2	6500.	72.7	7329.	71.5	7670.
JR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
JR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
JR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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JR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
JR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
JR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
JR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
JR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC										
X1	34.17	45	18700.	19866.	100.	100.	100.			15.
X2										
X4	1	32.0	19867.							
JR	31.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
JR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
JR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
JR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
JR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
JR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
JR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
JR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
JR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	2.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			15.
X2			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			15.
X2										
X4										
JR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
JR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
JR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
JR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
JR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
JR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
JR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
JR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
JR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			15.
X2										
X4	2.	73.0	19600.	72.0	26300.					
JR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
JR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
JR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
JR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
JR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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JR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
JR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
JR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
JR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
JR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
JR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
JR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
JR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	18000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X2										
X4	2.	73.2	37500.	74.	38000.					
JR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
JR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
JR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
JR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
JR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
JR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
JR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.

GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.
GR	63.7	42526.	73.3	42544.	74.	42679.	83.2	44523.	86.	46203.
ET		9.1	9.1	9.1	7.1		17800.	20680.	14324.	21385.
NH	7.	.050	12812.	.060	18000.	.120	18959.	.025	19515.	.060
NH	22000.	.050	27266.	.060	30148.					
X1	87.61	43.	18959.	19515.	3800.	3000.	3700.			
X4	1.	73.7	22000.							
GR	81.1	8664.	78.7	8917.	75.9	9312.	78.8	9812.	75.5	11312.
GR	74.4	12812.	76.5	13312.	73.9	13812.	77.7	14324.	75.5	15000.
GR	76.	17000.	76.1	17500.	78.1	17563.	67.7	17591.	65.8	18000.
GR	66.4	18021.	62.7	18101.	68.	18500.	61.1	18959.	42.2	18992.
GR	36.3	19012.	35.4	19032.	38.3	19092.	35.8	19232.	38.	19272.
GR	39.5	19312.	42.2	19372.	46.8	19450.	75.6	19515.	70.	19806.
GR	68.5	20641.	66.1	20805.	70.1	20868.	67.8	21067.	77.4	21385.
GR	74.2	21503.	73.1	22503.	74.8	23531.	73.4	26061.	75.4	26311.
GR	72.5	27266.	72.8	28632.	76.1	30148.				

ET		9.1	9.1	9.1	7.1		20476.	25050.	19650.	26532.
NH	7.	.050	15500.	.060	19650.	.050	22300.	.120	24095.	.025
NH	24550.	.050	30653.	.120	32839.					
X1	88.3	34.	24095.	24550.	1500.	3000.	3600.			
X4	1.	65.0	22300.							
GR	83.	12359.	83.	12360.	78.7	12600.	75.	13500.	76.	14930.
GR	78.	15500.	76.	16350.	76.	17500.	78.	19650.	68.	19700.
GR	68.	20500.	60.	20950.	69.	21200.	72.	21550.	54.	23200.
GR	67.6	24095.	47.8	24139.	40.5	24159.	37.1	24179.	39.1	24219.
GR	41.7	24279.	42.6	24319.	44.1	24359.	47.7	24392.	58.7	24524.
GR	76.5	24550.	76.4	26520.	77.6	26532.	76.2	26890.	74.9	29830.
GR	74.	30653.	76.6	32111.	77.	32559.	78.3	32839.		

ET		9.1	9.1	9.1	7.1		22953.	24711.	21234.	26306.
NH	5.	.050	23453.	.025	24109.	.050	24720.	.060	28728.	.050
NH	34316.									
X1	89.55	28.	23453.	24109.	4800.	4600.	6600.			
GR	82.8	20145.	76.6	20415.	79.3	21234.	76.4	21591.	78.1	23453.
GR	71.3	23486.	44.2	23540.	27.4	23580.	34.3	23660.	34.7	23680.
GR	38.8	23720.	37.7	23740.	43.2	23840.	44.2	23868.	56.2	24056.
GR	60.8	24109.	69.1	24720.	75.7	26000.	72.6	26206.	85.	26306.
GR	81.	27072.	80.8	28150.	81.5	28728.	78.7	30126.	78.	33074.
GR	79.1	34032.	76.3	34210.	79.5	34316.				

ET		9.1	9.1	9.1	7.1		23000.	23800.	22400.	24400.
NC				.3	.5					
NH	4.	.120	23079.	.025	23659.	.060	26800.	.050	30400.	
X1	90.19	22.	23079.	23659.	3000.	1000.	3400.			
GR	81.	22400.	71.3	22531.	74.2	22711.	61.4	23079.	44.2	23129.
GR	41.	23149.	41.7	23169.	41.8	23209.	39.6	23389.	40.1	23409.
GR	37.6	23529.	38.4	23569.	42.	23609.	51.	23625.	63.3	23659.
GR	71.	23800.	80.	24400.	72.	26100.	81.	26800.	81.	27400.
GR	78.5	29200.	79.0	30400.						

ET		9.1	9.1	9.1	7.1		34599.	36287.	22438.	36769.
NH	5.	.120	31515.	.050	33718.	.120	35099.	.025	35787.	.060
NH	42501.									
X1	91.52	35.	35099.	35787.	2400.	3700.	7000.			
GR	87.6	22438.	81.7	22465.	82.9	22787.	83.4	23293.	80.5	25821.
GR	82.1	27269.	87.5	27325.	84.6	27434.	80.2	27827.	82.8	30470.
GR	83.5	30685.	80.7	31319.	78.1	31515.	80.5	31865.	82.	32829.
GR	86.3	33201.	86.5	33643.	76.9	33718.	79.5	34471.	77.9	35099.
GR	69.2	35247.	41.4	35447.	35.9	35587.	38.2	35627.	33.4	35647.
GR	82.7	35787.	81.8	36769.	76.9	38451.	77.5	39412.	69.9	39432.
GR	88.5	39716.	97.1	40390.	97.8	42060.	100.1	42353.	102.5	42501.

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
NC	.08	.06	.025							
X1	92.13	54.	11905.	12668.	2000.	1400.	3200.			
GR	87.6	00	81.7	27.	83.4	855.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	87.1	4887.
GR	84.6	4996.	80.5	5210.	81.8	5478.	80.7	5697.	77.5	6095.
GR	75.0	6405.	81.9	7325.	81.9	7336.	81.0	7406.	80.3	7952.
GR	80.9	8343.	81.1	8763.	81.2	8886.	80.4	9446.	80.8	10085.
GR	81.5	10635.	82.1	11081.	83.5	11365.	84.0	11475.	84.2	11579.
GR	79.4	11792.	79.4	11905.	69.6	12068.	67.9	12094.	67.0	12244.
GR	44.1	12290.	36.3	12329.	33.8	12401.	32.7	12429.	25.8	12509.
GR	35.5	12549.	44.1	12560.	66.5	12615.	88.5	12668.	90.9	12803.
GR	91.6	12856.	92.4	13058.	93.3	13403.	93.8	13617.		

ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
NC			0.025	.3	.5					
X1	92.15				100.	100.	100.			

X3	10										
SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8	
ST		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.	
X1	92.17				48.	48.	48.				
X2			1.	92.1	96.0						
X3	10										
BT	30.	00	87.6		27.	81.7		855.	83.4		
BT	275.	78.9		1089.	32.4		1681.	92.6		2379.	
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5	
BT		3982.	82.8		4382.	80.0		4612.	82.8		
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.	
BT	83.0		6095.	83.3		7325.	93.2		9343.	83.6	
BT		8763.	83.2		10085.	84.1		10635.	84.0		
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.	
BT	95.8	91.9	12668.	85.8	88.5	12856.	92.5		13403.	93.1	
BT											

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.	
X1	92.19				100.	100.	100.				
BT		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.	
X1	92.27	43.	12164.	12892.	400.	400.	400.				
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.	
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.	
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.	
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.	
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.	
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.	
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.	
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.	
GR	95.2	13168.	86.2	13555.	87.0	13900.					

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.	
X1	92.29				100.	100.	100.				
X3	10										

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0	
ST		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.	
NC	.080	.060	.025								
X1	92.30				20.	20.	20.				
X2			1.	90.0	93.3						
X3	10										
BT	18	4857.	81.3		4887.	87.6		5668.	87.5		
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.	
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6	
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2	
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.	
BT	90.2		13900.	89.0							

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.	
NC	.08	.06	.025								
X1	92.32				100.	100.	100.				

ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.	
NC				.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.				
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.				
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.	
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.	
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.	
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.	
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.	
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.	
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.	

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.	
NC				.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025	
NH	21220.	.120	27250.								
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.				
X4	1.	86.5	11500.								
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.	
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.	
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.	
GR	85.	16935.	84.	17695.	85.	20065.	87.	20495.	85.	20595.	
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.	
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.	
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.	
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.	
GR	95.	27250.									

NC	.05	.05	.026	.1	.3						
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050	
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490		
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.	

X1	94.98	52.	20376.	20800.	4900	3500	1400.				
GR	92.3	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	1901.	
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.3	8266.	
GR	85.2	7568.	81.2	7590.	99.3	7850.	81.2	8254.	39.7	8408.	
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.	
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.	
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.	
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.	
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.	
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.	
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.	
GR	93.5	25082.	93.7	25490.							

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NC			0.025								
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06	
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792		
ET		9.1	9.1	9.1	7.1						
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.				
X4	2	93	1300	83.4	16000						
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.	
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.	
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.	
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.	
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.	
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.	
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.	
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.	
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.	
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.	

NC			.025								
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12	
NH	29050										
ET		9.1	9.1	9.1	7.1						
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.				
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.	
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.	
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.	
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.	
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.	
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.	
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.	

NC	.13	.13	.025								
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050	
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12	
NH	33833										
ET		9.1	9.1	9.1	7.1						
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.				
X4	1	97.5	4000								
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.	
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.	
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.	
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.	
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.	
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.	
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.	
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.	
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	19.8	31467.	
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.	
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.	
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.			

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NC			.1	.3							
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025	
NH	31664.	.06	32250.								
ET		9.1	9.1	9.1	7.1						
X1	100.07	32.	30624.	31664.	3100.	2700.	29500.	32250.	18534.	32250.	
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.	
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.	
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.	
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.	
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.	
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.	
GR	93.5	31788.	100.8	32250.							

ET		9.11	9.11	9.11	7.11						
X1	100.08				100.	100.	29500.	32250.	18534.	32250.	

SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8	
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025	
NH	31664.	.06	32250.								

ET		9.11	9.11	9.11	7.11		29500.	32250.	19534.	32250.
X1	100.09				30.	30.	30.			00
K2			1	101.7	104.					
BT	6	10556.1	33.9		30624.	104.		31010.	136.4	
BT	11304.	104.5		11771.	39.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	19534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	19865	.12	19304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	3000	11930	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	37.9	2491	75.1	3241	37.4	3436	96.7	3741	30.6	4041
GR	31.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	5818	95.4	7986	37.6	3421	37.1	3553	30.4	3698
GR	36.9	8831	37.1	3264	34.2	10200	95.4	10865	38.0	11244
GR	37.2	11653	32.9	12254	36.6	12384	36.1	12654	92.9	12748
GR	34.3	13830	30.6	15304	32.5	16114	32.9	16562	30.3	16681
GR	33.3	16781	31.3	17344	32.2	18447	32.3	18566	37.5	20554
GR	31.2	20932	30.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	41.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	35.0	21400	34.0	21900	30.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					9.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					

X1	117.8	21	24700	25650	20300	18700	20300			
X4	2	105.	16400.	105.	18100.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	100	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		

X1	127.62				28	28	28			
X2		1	122.5		125					
X3	10									
BT	3	15200	110		15350	110		15450	111	
BT	15600	113		16050	105.1		16450	131.3		17210
BT	132.82		13000	132.82						
ET					9.4					
X1	127.63				100	100	100			
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05
NH	37100									
ET					7.4					
X1	127.9	15	34750	35700	300	1200	1100			
X4	2	.05	31000	.05	32000					
GR	110	29300	108	31500	105	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	105	36900	135	37100	130	37300

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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	3000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		
ET					10.4					
X1	130.7	16	30300.	31200.	3400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								
ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		
ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Levee alignment #1 has been added to the natural model at this point.

NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.	
ET					7.4					
X1	135.	16	9300.	9950.	7000.	3000.	7400.			
GR	130	1600.	130	4800.	130	5700	110	5700	110.	8500.
GR	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.
GR	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.
GR	111.	17500.								
NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5400.	4000.	11200.			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.
NC	.05	.05	.025	.1	.3					
ET					7.1		18844.	24925.		
X1	138.	13	19300.	19900.	3500.	3000.	4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.
GR	110.	23800.	110.	25400.	113.	27100.				

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NC	.05	.05	.025	.1	.3					
ET					7.1		21600.	25100.		
X1	139.	13	23000.	23700.	3400.	5000.	5200.			
X4	3	110	23020	105	23040	100	23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650
GR	115	23700	115	24100	115.1	25200				

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VCL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	KNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
		4								
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
										00.
		2	-1							

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3

AREA= 2301.3 1722.5 367.4 19994.7 32.5 2648.3
 VEL= .4 .4 .4 .6 .2 .3
 DEPTH= 1.2 1.1 1.1 22.1 1 2.6

FLOW DISTRIBUTION FOR SECNO= 35 10 CWSSEL= 74 03

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SECNO	DEPTH	CWSSEL	CRWS	WSELK	EG	HV	HL	CLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .3 39.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC. 1985 MR1191>BRJ838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 34.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 34.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 34.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 34.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 35.10 CWSSEL= 74.69

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SECNO	DEPTH	CWSSEL	CRWS	WSELK	EG	HV	HL	CLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY , FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BRJ838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
6 58.47
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 76.27
STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
VEL= .9 .9 1.1 1.0 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8
STA= 25215. 27450. 27654.
PER Q= 3.4 .4
AREA= 9440.4 788.8
VEL= .9 1.1
DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 76.29
STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 76.30
STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 76.33

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SECNO	DEPTH	CWSSEL	CRIS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 21658.8 8000.0 6651.4 9339.6 7098.3
VEL= .9 .9 1.1 1.0 .9 .9 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8
STA= 25215. 27450. 27657.
PER Q= 3.5 .4
AREA= 9557.8 799.5
VEL= .9 1.1
DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 76.88
STA= 1027. 5384. 11173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:39:18

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
54.530	.00	.00	.00	5.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
54.530	.00	.00	.00	5.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
54.530	.00	.00	.00	5.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
54.530	.00	.00	.00	5.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.50205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	18964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	

74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20
74.660	11700.00	.00	.00	14.50	141000.00	65.75	.00	66.28	1.13	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.11	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.93	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.38140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	11234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76	94782.58
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95448.02
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
* 86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
* 86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
* 86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
* 87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92	89026.37
* 87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
* 87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.46	66823.03144988.10	
* 87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11	68683.95
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67131125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	

39.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.13	1.12	5.62	22069.37	95534.48
39.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.13	6.34	34250.58	133592.30
39.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.53	37334.39	140389.90
39.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98	166128.30
90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58	99344.98
90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45	132045.40
90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.09	1.66	8.22	34394.90	140621.00
90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51	160617.50
* 91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	1.79	7.79	12964.22	60490.70
* 91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36	80602.32
* 91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39	87890.08
* 91.520	7000.00	.00	.00	33.40	242000.00	82.02	56.37	84.00	4.90	11.81	40539.47	109323.30
92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	1.33	7.07	14291.88	66113.73
92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58	90881.10
92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.46	100086.70
92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95	132471.10
92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01	66205.65
92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27	91061.50
92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46	100407.70
92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38	133056.30
92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15	66451.76
92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29	91635.54
92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59	101320.60
92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52	134740.50
92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07	66536.91
92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50	91812.23
92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34	101582.80
92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27	135296.00

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SBCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSBL	CRWS	EG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84	71144.47
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02	96711.46
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80	102074.00
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88	121161.80
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27	71204.76
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07	96843.69
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92	101782.90
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77	122197.60
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19	71468.88
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78	97338.24
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04	102246.20
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37	124035.50
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56	71550.35
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84	97463.00
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13	103195.80
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50	125027.80
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08	84995.95
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95	115185.20
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65	123198.00
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61	153231.60
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43	78006.37
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51	103011.40
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40	11621.30
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05	139747.20
94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64	115257.00
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42	121012.90
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10	166281.20
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	91235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12	138740.30
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.16	36995.10	153675.80
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65	189329.20
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13	113643.30
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93	147151.40
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55	160877.90
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68	191242.90
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71	14904.70

39.560 13900.00 .00 .00 34 90 242000.00 93.25 .00 93.96 1.54 8.37 108075.50194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.90	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	91.60	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.08152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.631200891.90	
105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20886.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.10	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.11	163420.30214727.50	
123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30	
123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30	
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80

124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.31	5.79	157152.40253555.20
126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.93	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.19	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.18	.00	107.91	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	1.34	6.30	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.93	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.95	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	1.30	6.77	31947.85118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	SLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.45185462.20	
129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.09	7.82	40687.30108487.60	
135.000	7400.00	.00	.00	72.00	181000.00	111.85	.00	112.69	2.10	8.07	55322.94124791.60	
135.000	7400.00	.00	.00	72.00	242000.00	114.53	.00	115.32	2.03	8.42	87011.75169869.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.83	.00	113.45	1.89	7.17	55703.34114134.60	
137.100	11200.00	.00	.00	73.50	181000.00	114.01	.00	114.59	1.80	7.20	71115.17134919.40	
137.100	11200.00	.00	.00	73.50	242000.00	116.45	.00	116.93	1.61	7.22	105582.50190442.50	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54538.67108255.40	
138.000	4800.00	.00	.00	68.00	181000.00	114.80	.00	115.39	1.95	7.44	70454.38129772.70	
138.000	4800.00	.00	.00	68.00	242000.00	117.15	.00	117.58	1.61	7.16	106267.20190520.10	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.68	8.28	30429.43 95983.13	
139.000	5200.00	.00	.00	62.50	181000.00	115.65	.00	116.66	2.75	8.60	44125.89109207.90	
139.000	5200.00	.00	.00	62.50	242000.00	117.82	.00	118.65	2.49	8.62	77137.23153442.20	

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO Q CWSEL DIFWSP DIFWSX DIFWKS TOPNID XLCH

64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKNS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00

77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
77.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
77.770	157000.00	67.65	2.08	1.31	1.38	3983.77	13300.00
77.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
77.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1303.10	3600.00
80.450	157000.00	68.64	3.22	.39	3.22	3293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
81.870	101000.00	66.63	.00	1.20	.00	1917.70	7300.00
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
83.810	157000.00	72.23	4.31	.23	4.31	7113.06	3370.00
83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
89.550	157000.00	76.95	5.04	.78	5.04	1449.08	6600.00
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00

*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	92.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
	92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
	92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
	92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
	92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
	92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
	92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
	92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
	92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
	92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
	92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
	92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
	92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
	92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
	92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
	92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
	92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
	92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
	92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
	92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
	92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
	92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
	92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
	92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CNSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00	
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00	
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00	
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00	
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00	
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00	
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00	
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00	
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00	
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00	
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00	
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00	
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00	
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00	
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00	
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00	
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00	
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00	
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00	
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00	
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00	
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00	
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00	
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00	
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00	
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00	
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
*	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
*	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
*	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	30.60	.00	.02	.00	788.04	100.00
100.090	157000.00	38.63	3.03	.02	3.03	12309.57	100.00
100.090	181000.00	30.70	2.07	.02	.00	12375.78	100.00
100.090	242000.00	31.97	3.27	.02	.00	16095.80	100.00
100.100	101000.00	30.61	.00	.01	.00	788.54	100.00
100.100	157000.00	38.64	3.04	.01	3.04	12318.35	100.00
100.100	181000.00	30.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	31.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	31.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	39.69	7.94	1.04	7.94	1128.38	10700.00
102.100	181000.00	31.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	34.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	34.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	32.27	3.27	2.59	3.27	11900.01	17800.00
105.500	181000.00	34.22	1.95	2.63	.00	14261.64	17800.00
105.500	242000.00	37.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	36.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	34.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	35.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	38.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	36.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	34.74	7.92	.95	7.92	1208.94	5300.00
110.900	181000.00	36.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	39.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	37.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	34.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	36.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	39.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	38.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	35.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	38.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	39.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	37.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	39.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	32.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	39.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	32.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	37.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	38.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13514.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	39.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.70	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
* 126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
* 126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
* 126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00

127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSL	DIPWSP	DIFWSX	DIFKWS	TOPWID	XLCH
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.26	4.23	10772.72	7400.00
* 135.000	181000.00	111.85	1.26	.17	.00	11800.00	7400.00
* 135.000	242000.00	114.53	2.69	.05	.00	11800.00	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.83	4.34	2.25	4.34	12465.86	11200.00
137.100	181000.00	114.01	1.18	2.17	.00	13490.14	11200.00
137.100	242000.00	116.45	2.44	1.92	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.84	4.18	13316.90	4800.00
138.000	181000.00	114.80	1.12	.79	.00	15002.48	4800.00
138.000	242000.00	117.15	2.35	.70	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10042.52	5200.00
139.000	181000.00	115.65	1.01	.85	.00	15200.00	5200.00
139.000	242000.00	117.82	2.17	.67	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Existing Natural Conditions - Alignment #2
10, 50, 100, and 500 Year Frequency
EX_NATA2.FHO

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* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:40:20 *
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* U. S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
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HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
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Filename: ex_nata2.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "BT" cards.

T1 BRAZOS RIVER RESTUDY , FLOODWAY DETERMINATION FILENAME = EX_NATA2.PH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191-BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
		3							58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								

NC		10 YR	50 YR	100 YR	500 YR	PLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000			
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899	
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06	
NH	34878	0.12	44078								
X1	64.53	33.	24100.	24542.	0.	0.	0.				
X4	2	53.2	12600.	53.	13000.						
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.	
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.	
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.	
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.	
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.	
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.	
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.	

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BT		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.9	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	21256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65		46	19150	19600	2300	2700	7800		
X4	2		54.3	16200	54.9	18800				
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	20340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	19540.	60.6	19595.	60.9	41243.	49.5	41371.	60.5	41426.	
GR	60.0	43700.	51.0	43850.	60.0	44000.	53.0	45500.	63.0	46000.	
GR	60.0	46550.	49.0	46700.	55.0	47050.	70.0	47700.			
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025								
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.				
X4	2	56.3	27100.	57.1	32750.						
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.	
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.	
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.	
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.	
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.	

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GR	59.1	49890.	65.0	50080.	70.0	50330.					
ET			9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				50.	50.					
X2			1.0	66.3	56.5						
BT	15	27000	70	27100	62.5			29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9	
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC					.3	.5					
X1	71.28				100	100	100				
ET					7.1		21000	27727	21000	29646	
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					

ET					7.1		17248.	25698.	14300.	28074.	
NC				.3	.5						
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050	
NH	28074.	.06	29039.								
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.				
X4	2	61.0	14400.	60.0	14900.						
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.	
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.	
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.	
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.	
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.			
ET					7.1		10293.	21200.			
NC				.1	.3						
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025	
NH	20224.	.06	24630.								
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.				
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.	
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.	
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.	
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.	
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.	
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.	
GR	61.2	23461.	66.8	24630.							

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ET			9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12	
NH	15500.	.05	24676.								
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.				
X4	1	60.4	12200.								
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.	
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.	
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.	
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.	
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.	
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.	
GR	61.5	24450.	66.9	24676.							
ET			9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120	

NH	18200.	.750	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC				.1	.3					
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	55.0	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	21450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	84.15	45.	18700	19866.	2000.	2500.	1700.			15.
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC										
X1	84.17	45	18700.	19866.	100.	100.	100.			15.
X2										
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			15.
X2										
X4			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			15.
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			15.
X2										
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29100.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	32.17				48.	48.				
X2			1	92.1	06.0					
X3	10									
BT	30.	30	87.6		27.	91.7		955.	93.4	
BT	375.	78.9		1089.	32.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	90.0		4612.	82.8	
BT	4857.	81.3		4887.	37.1		4996.	84.6		5697.
BT	33.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	34.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	98.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	92.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	31.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

JR	72.3	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	99.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	95.3	12009.	95.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
JR	85.9	18024.	80.7	18156.	97.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14714.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09			10.	10.	10.				
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	9831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	97.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	95.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025		6.4					
ET										
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025		2.4					
ET										
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025		8.4					
ET										
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025		16.4					
ET										
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	11150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400	105.	18100.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	54.6	25000	50	25200
GR	54.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								
ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF". since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17200	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125					
X1	10									
BT	3	15200	110		15350	110		15450	111	
BT	15600	113		16050	125.1		16450	131.3		17210
BT	132.82		18000	132.82						
ET					3.4					
X1	127.63				100	100	100			
NH	5	.06	11000	.12	12000	.06	14750	.025	35700	.05
NH	17300									
ET					7.4					
X1	127.9	15	14750	15700	300	1200	1100			
X4	2	105	31000	105	12000					
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	130	36900	135	37100	130	37300

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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	8000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		
ET					10.4					
X1	130.7	16	30300.	31200.	2400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								
ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		
ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Levee alignment #2 has been added to the natural model at this point.

NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.	
ET					7.4					
X1	135.	16	9300.	9950.	7000.	3000.	7400.			
GR	130	1600.	130	4800.	130	7500	110	7500	110.	8500.
GR	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.
GR	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.
GR	111.	17500.								
NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5400.	4000.	11200.			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.
NC	.05	.05	.025	.1	.3					
ET					7.1		18844.	24925.		
X1	138.	13	19300.	19900.	3500.	3000.	4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.
GR	110.	23800.	110.	25400.	113.	27100.				

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NC	.05	.05	.025	.1	.3					
ET					7.1		21600.	25100.		
X1	139.	13	23000.	23700.	3400.	5000.	5200.			
X4	3	110	23020	105	23040	100	23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650
GR	115	23700	115	24100	115.1	25200				

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SRCNO DEPTH CWSBL CRINS WSELK EG HV HL CLOSS L-BANK ELEV

Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	KNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 68.36

STA= 18997. 19866.

PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 68.38

STA= 18996. 19866.

PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 68.41

STA= 18995. 19866.

PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 68.43

STA= 18995. 19866.

PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 69.29

STA= 15932. 16792.

PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.PH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
			4						58.47	
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.

PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.

PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.

PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.

PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3

VEL= 4 4 4 7.6 2 8
 DEPTH= 1.2 1.1 1.1 22.1 1 2.6

FLOW DISTRIBUTION FOR SECNO= 35.10 CWSSEL= 74.03

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SECNO	DEPTH	CWSSEL	CRIMS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= 8 39.2
 AREA= 3409.3 23359.8
 VEL= 4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N= 025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROP	IPLT	PRPVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
										00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.69

1

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SECNO	DEPTH	CWSSEL	CRIMS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

1

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T1 BRAZOS RIVER RESTUDY .FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N= 025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BRJ838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
6 58.47
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
AREA= 8135.6 10026.0 6531.3 17951.2 3247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
PER Q= 3.4 .4
AREA= 9440.4 788.8
VEL= .9 1.1
DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSL= 76.33

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SECNO	DEPTH	CWSL	CRIMS	WSLK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
PER Q= 3.5 .4
AREA= 9557.8 799.5
VEL= .9 1.1
DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:40:26

HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
54.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
54.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
54.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
54.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
55.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
55.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
55.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
55.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
56.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
56.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
56.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.80186749.40	
56.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 57.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 57.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 57.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 57.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
58.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
58.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
58.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.40110074.30	
58.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 58.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 58.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 58.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 58.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
59.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
59.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
59.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
59.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	

Table with columns: SECNO, XLCH, ELTRD, ELLC, ELMIN, Q, CWSL, CRIWS, EG, 10*KS, VCH, AREA, .01K. Rows 74-77 with values like 74.660, 11700.00, .00, .00, 14.50, 181000.00, 55.75, .00, 66.28, 1.33, 6.98, 108999.10157103.00.

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Main table with columns: SECNO, XLCH, ELTRD, ELLC, ELMIN, Q, CWSL, CRIWS, EG, 10*KS, VCH, AREA, .01K. Rows 79-85 with values like 79.770, 13300.00, .00, .00, 19.70, 101000.00, 64.68, .00, 65.22, 2.57, 5.94, 19224.30, 63017.20.

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Main table with columns: SECNO, XLCH, ELTRD, ELLC, ELMIN, Q, CWSL, CRIWS, EG, 10*KS, VCH, AREA, .01K. Rows 86-88 with values like 86.910, 9520.00, .00, .00, 29.70, 101000.00, 70.23, .00, 70.48, .56, 4.38, 41927.25134826.20.

124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	5.01	99105.36169292.00
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40251355.20
126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.93	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.97	.00	112.03	1.13	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.44119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.10	7.83	39616.47108382.30	
135.000	7400.00	.00	.00	72.00	181000.00	111.84	.00	112.70	2.13	8.12	51923.44124069.10	
135.000	7400.00	.00	.00	72.00	242000.00	114.51	.00	115.34	2.11	8.57	78601.37166649.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.84	.00	113.46	1.89	7.17	55754.72114199.80	
137.100	11200.00	.00	.00	73.50	181000.00	114.03	.00	114.60	1.79	7.19	71370.05135281.30	
137.100	11200.00	.00	.00	73.50	242000.00	116.50	.00	116.97	1.59	7.18	106338.50191826.40	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54568.74108294.50	
138.000	4800.00	.00	.00	68.00	181000.00	114.82	.00	115.40	1.94	7.42	70670.52130074.90	
138.000	4800.00	.00	.00	68.00	242000.00	117.20	.00	117.62	1.59	7.11	107114.70192161.00	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.67	8.28	30443.84 95997.46	
139.000	5200.00	.00	.00	62.50	181000.00	115.66	.00	116.67	2.74	8.59	44280.37109372.60	
139.000	5200.00	.00	.00	62.50	242000.00	117.85	.00	118.67	2.46	8.59	77592.49154167.10	

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO Q CWSEL DIFWSP DIFWSX DIFKWS TOPPID XLCH

64.530	101000.00	58.47	.00	.30	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CNSL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.79	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	

*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.08	8981.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.17	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.98	.87	.00	17916.07	3600.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	81.870	101000.00	66.63	.00	1.20	.00	1317.70	7300.00
	81.870	157000.00	70.33	1.70	1.69	1.70	5388.15	7300.00
	81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
	81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
*	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
*	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
*	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
	88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
	88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
	88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00

*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
	92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
	92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
	92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
	92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
	92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
	92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
	92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
	92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
	92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
	92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
	92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
	92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
	92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
	92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
	92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
	92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
	92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
	92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
	92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
	92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
	92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
	92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
	92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFWKS	TOPWID	XLCH	
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00	
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00	
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00	
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00	
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00	
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00	
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00	
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00	
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00	
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00	
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00	
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00	
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00	
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00	
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00	
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00	
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00	
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00	
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00	
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00	
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00	
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00	
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00	
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00	
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00	
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00	
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	30.60	.00	.00	.00	788.04	30.00
100.090	157000.00	38.63	3.03	.00	3.03	10309.57	30.00
100.090	181000.00	30.70	2.07	.00	.00	12375.78	30.00
100.090	242000.00	33.97	3.27	.00	.00	16095.80	30.00
100.100	101000.00	30.61	.00	.01	.00	788.54	100.00
100.100	157000.00	38.64	3.04	.01	3.04	10318.35	100.00
100.100	181000.00	30.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	33.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	31.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	39.69	7.94	1.04	7.94	2129.38	10700.00
102.100	181000.00	31.60	1.91	.83	.00	7405.92	10700.00
102.100	242000.00	34.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	34.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	32.27	3.27	2.59	3.27	11900.01	17800.00
105.500	181000.00	34.22	1.95	2.63	.00	14261.64	17800.00
105.500	242000.00	37.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	36.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	34.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	35.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	38.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	36.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	34.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	36.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	39.85	3.25	.86	.00	3188.91	5300.00
111.900	101000.00	37.08	.00	.26	.00	576.62	5500.00
111.900	157000.00	34.90	7.82	.16	7.82	627.26	5500.00
111.900	181000.00	36.75	1.84	.14	.00	981.46	5500.00
111.900	242000.00	39.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	38.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	35.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	38.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	39.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	37.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	39.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	32.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	39.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	32.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	37.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
123.800	101000.00	38.78	.00	1.42	.00	3915.96	3700.00
123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	39.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00

127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.26	4.23	8969.80	7400.00
* 135.000	181000.00	111.84	1.25	.16	.00	10000.00	7400.00
* 135.000	242000.00	114.51	2.67	.02	.00	10000.00	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.84	4.34	2.25	4.34	12471.78	11200.00
137.100	181000.00	114.03	1.19	2.19	.00	13504.69	11200.00
137.100	242000.00	116.50	2.47	2.00	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.84	4.18	13320.29	4800.00
138.000	181000.00	114.82	1.14	.79	.00	15024.07	4800.00
138.000	242000.00	117.20	2.38	.69	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10049.24	5200.00
139.000	181000.00	115.66	1.02	.85	.00	15200.00	5200.00
139.000	242000.00	117.85	2.19	.66	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model
10, 50, 100, and 500 Year Frequency
RE_NATL.FHO

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.....
* HEC-2 WATER SURFACE PROFILES
*
* Version 4.6.2; May 1991
*
* RUN DATE 11SEP96 TIME 15:40:57
*
.....

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* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616-4687
* (916) 756-1104
*
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THIS RUN EXECUTED 11SEP96 15:40:57

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.....
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
.....

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Filename: re_natl.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
									58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								

NC		10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000		242000	181000	181000		
ET		9.1	9.1	9.1	7.1			20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06	
NH	34878	0.12	44078								
X1	64.53	33.	24100.	24542.	0.	0.	0.				
X4	2	53.2	12600.	53.	13000.						
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.	
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.	
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.	
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.	
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.	
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.	
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	41883.	59.8	44078.	

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	2.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	33445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1.9	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5		25601.	34500.	25600.	39595.
ET		9.1	9.1	9.1	7.1					
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

JR	58.5	39540.	50.6	39595.	50.9	41243.	49.5	41371.	50.5	41426.
JR	60.0	43700.	51.0	43850.	50.0	44000.	53.0	45500.	53.0	46000.
JR	62.0	46550.	49.0	46700.	55.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	12	127	125							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4		2	56.3	27100.	57.1	32750.				
JR	70.	27000.	56.3	29500.	50.5	30500.	50.0	31007.	13.9	31167.
JR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
JR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
JR	62.5	42880.	50.1	43880.	50.5	44880.	50.5	46400.	52.0	46547.
JR	60.5	46680.	51.7	48160.	51.7	49400.	50.0	49530.	59.0	49623.

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JR	59.1	49890.	55.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB		1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70		27100	62.5		29500	63	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				
ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4		2	61.0	14400.	60.0	14900.				
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4		1	60.4	12200.						
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	120	28626.					
X1	77.25	42.	17300.	18020.	3700	900.	2300.			
X4	1.	65.7	3000.							
GR	72.	6450.	64.9	6450	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.9	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	55.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	61.7	28461.	66.9	28626						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	16.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC				.1	.3					
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	34.15	45.	18700.	19866.	1000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC				3	5					

X1	34.17	45	18700.	19866.	100.	100.	100.			
X2										15.

X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
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ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
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X1	84.19				100.	100.	100.			
X2										15.

BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
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NC	.06	.06	.025	.1	.3					
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X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										15.

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
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NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
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NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
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X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										15.

X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	21015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
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NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
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NH	33216.	.060	37500.	.050	38000.	.060	46203.			
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X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X2	2.	73.2	37500.	74.	38000.					

GR	81.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	26996.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	11617.
X1	92.17				48.	48.				
X2			1.	32.1	36.0					
X3	10									
BT	30.	30	97.6		27.	31.7		955.	33.4	
BT	975.	78.9		1089.	82.4		1681.	92.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	30.5
BT		3982.	82.8		4382.	90.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	94.6		9697.
BT	33.0		6095.	33.3		7325.	93.2		3343.	33.6
BT		8763.	33.2		12085.	34.1		10635.	34.0	
BT	11579.	39.3	84.2	12244.	36.0		12329.	96.1	32.1	12615.
BT	95.3	21.9	12668.	35.8	39.5	12856.	92.5		13403.	33.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	11617.
X1	92.19				100.	100.				
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	33.4	952.	78.9	975.	82.4	1089.
GR	32.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	32.8	3982.	80.	4382.	32.8	4612.	31.3	4857.	81.7	4887.
GR	91.7	5000.	92.7	5668.	31.7	6177.	32.2	6490.	30.0	9066.
GR	31.5	9399.	81.0	10200.	31.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	31.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	30.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	37.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.				
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	96.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	21550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	95.0	13999.
GR	86.3	14036.	94.1	14106.	33.7	15512.	83.1	16552.	94.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1					
X1	95.61	50.	21800.	22480.	3600.	3200.	21800.	22480.	21784.	23677.
X4	2	93	1300	83.4	16000		3300.			
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1					
X1	96.93	35.	25884.	26400.	4400.	5900.	25884.	26400.	23893.	29050.
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1					
X1	99.56	59.	31242.	31722.	10000.	14400.	30000.	31759.	23018.	32136.
X4	1	97.5	4000				13900.			
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1					
X1	100.07	32.	30624.	31664.	3100.	2700.	29500.	32250.	18534.	32250.
GR	92.2	15722.	92.2	15723.	92.2	15724.	2500.	92.8	18534.	90.6
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	57.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11					
X1	100.08				100.	100.	29500.	32250.	18534.	32250.
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11					
X1							29500.	32250.	18534.	32250.

X1	100.09									
X2			1	101.7	104					00
BT	6	30556.1	33.9		30624.	104.		31010.	106.4	
BT	31104.	104.5		31071.	39.5		32250.	3100.3		
ET		3.1	3.1	3.1	3.1		29500.	32250.	13534.	32250.
X1	100.10				100	100.	100.			
NC			.025	1	3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	3000	11500	10700			
GR	106.3	922	100	1257	36.7	1483	92.6	1573	97.5	2032
GR	37.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	31.3	4440	38.7	5060	34.9	5472	36.3	5691	100.0	5804
GR	100.2	6818	35.4	7386	37.5	3421	37.1	3553	30.4	9698
GR	36.9	9831	37.1	3264	34.2	10200	95.4	10865	38.0	11244
GR	37.2	11653	32.9	12254	36.6	12384	36.1	12654	32.9	12748
GR	34.3	13830	30.6	15304	32.5	16114	32.9	16562	30.3	16681
GR	33.3	16781	31.3	17344	39.2	18447	32.3	18566	37.5	20554
GR	31.2	20932	30.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	41.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	34.0	21900	30.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					13.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	5100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								
ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA PIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	80	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

K2				122.5		125					
X3	10										
BT	9	15200	110		15350	110		15450	111		
BT	15400	111		16050	125.1		16450	131.3		17210	
BT	132.82		16000	132.82							
ET					9.4						
X1	127.63				100	100	100				
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	300	1200	1100				
K4	2	105	31000	105	32000						
GR	110	18300	108	31500	105	34450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	3000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300.	31200.	2400.	6000.	4200.				
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.	
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.	
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.	
GR	125.	44200.									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500.	32450.	7000.	5000.	9000.				
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.	
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.	
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.	
GR	105.	35000.	110.	42000.	111.	43700.					

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97

ET					7.4						
NC	.05	.05	.025	.1	.3						
X1	134.97	68	14517	15097	5809	5809	5809				
GR	111.05	10000	111.16	10077	110.32	10188	110.1	10199	110.32	10292	
GR	110.43	10392	110.61	10490	110.62	10587	111.1	10684	110.99	10787	
GR	111.44	10865	111.33	10885	111.5	10989	111.63	11094	111.94	11189	
GR	112.16	11301	111.98	11403	111.69	11509	110.73	11615	110.7	11718	
GR	110.74	11821	110.7	11921	110.48	12022	110.75	12125	110.76	12228	
GR	110.83	12328	110.77	12428	110.41	12530	110.87	12630	111.11	12730	
GR	111.59	12828	111.85	12893	111.78	12925	111.61	13023	111.34	13119	
GR	110.24	13220	110.43	13220	110.35	13220	110.27	13220	109.03	13278	
GR	106.41	13295	109.06	13311	108.87	13362	110.13	13363	110.69	13460	
GR	111.09	13558	111.36	13639	110.73	13761	111.45	13828	111.89	13921	
GR	111.62	14018	110.99	14117	111.91	14222	111.4	14323	111.27	14449	
GR	111.27	14517	73.96	14559	69.65	14627	71.48	14667	70.9	14747	
GR	74.59	14812	85.24	15031	98.1	15097	100.23	15186	102.83	15297	
GR	110	15697	110	16797	110	21797					
	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.		
					7.4						
	135.	16	9300.	9950.	7000.	3000.	7400.				
	130	1600.	130	4800.	130	7500	110	7500	110.	8500.	

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110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.		
79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.		
111.	17500.										
NC	.05	.06	.025	.1	.3						
ET					7.1			23000.	30250.		
X1	137.1	15	23250.	23900.	5560	4160	11360				
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.	
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.	
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.	

NC	.05	.05	.025	.1	.3							
ET					7.1		18844.	24925.				
X1	138.	13	19300.	19900.	3500.	3000.	4800.					
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	33.1	19600.		
GR	58.0	19725.	33.1	19850.	105.	19900.	110.	20500.	108.	21400.		
GR	110.	23800.	110.	25400.	113.	27100.						
NC	.05	.05	.025	.1	.3							
ET					7.1		21600.	25100.				
X1	139.	13	23000.	23700.	3400.	5000.	5200.					
X4	3	110	23020	105	23040	100	23100					
GR	115	10000	113	15000	115	18800	115	20800	110	21000		
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650		
GR	115	23700	115	24100	115.1	25200						

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SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191-BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.3 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 32.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 36.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 1 97.4 0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 32.5 2648.3
 VEL= .4 .4 .4 7.6 .2 8
 DEPTH= 1.2 1.1 1.1 22.1 1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	KNL	KNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROP	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
			6						58.47	

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 11173. 15915. 16792. 21530. 24210. 26300. 29736. 30786.
 PER Q= 3.1 3.9 2.5 74.8 4.3 4.7 3.5 3.1 3
 AREA= 1791.1 14503.0 2643.3 25853.6 13806.4 12762.8 9681.6 16014.8 28.3
 VEL= .8 6 5 7 0 3 3 3 5 2
 DEPTH= 2.2 1.3 3.5 23.5 2.3 4.8 4.5 4.7 5

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THIS RUN EXECUTED 11SEP96 15:41:02

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2, May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSL	CRWS	BG	10*KS	VCH	AREA	.01K	
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	175960.50189446.00		
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00		
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70		
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70		
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20		
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90		
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30		
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60		
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60		
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10		
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40		
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00		
*	67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
*	67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.40108081.00	
*	67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
*	67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95		
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33		
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30		
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60		
*	68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
*	68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
*	68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
*	68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60		
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30		
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90		
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80		

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSL	CRWS	BG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.80146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

138.000	4800.00	.00	.00	68.00	181000.00	114.87	.00	115.44	1.91	7.37	71420.66131125.80
138.000	4800.00	.00	.00	68.00	242000.00	117.21	.00	117.63	1.58	7.10	107159.00192247.00
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.34 95742.78
139.000	5200.00	.00	.00	62.50	181000.00	115.70	.00	116.69	2.71	8.55	44818.32109949.20
139.000	5200.00	.00	.00	62.50	242000.00	117.87	.00	118.68	2.45	8.57	77834.88154554.50

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.38	1.22	2.38	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.85	.15	.00	22176.00	2300.00
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
* 79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
* 79.770	157000.00	67.65	2.98	1.31	2.98	3983.77	13300.00
* 79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
* 79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1303.10	3600.00
80.450	157000.00	68.64	3.22	.99	3.22	3293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	2.88	.87	.00	17916.07	3600.00

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SECCO	Q	CWSEL	DIFWSP	DIFWSX	DIPKWS	TOPWID	XLCH
91.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
91.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
91.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
91.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
* 93.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
* 93.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
* 93.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
* 93.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
* 93.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
* 93.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
* 93.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
* 93.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
94.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
94.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
94.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
94.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
94.170	101000.00	68.38	.00	.02	.00	693.72	100.00
94.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
94.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
94.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
94.190	101000.00	68.41	.00	.04	.00	698.84	100.00
94.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
94.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
94.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
94.210	101000.00	68.43	.00	.02	.00	704.14	100.00
94.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
94.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
94.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
95.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
95.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
95.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
95.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
* 96.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
* 96.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
* 96.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
* 96.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
* 97.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
* 97.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
* 97.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
* 97.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
89.550	157000.00	76.95	5.04	.79	5.04	3449.08	6600.00
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
91.520	157000.00	78.52	5.17	1.22	5.17	1492.98	7000.00
91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

	96.930	181000.00	97.13	1.39	.91	.00	1333.67	7000.00
	96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	99.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	90.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	98.60	3.04	1.48	3.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	90.57	.00	1.01	.00	787.34	100.00
	100.080	157000.00	98.61	3.04	1.01	3.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
*	100.080	242000.00	93.96	3.27	1.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
100.090	101000.00	90.60	.00	.02	.00	788.04	30.00	
100.090	157000.00	98.63	9.03	.02	9.03	10309.57	30.00	
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00	
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00	
100.100	101000.00	90.61	.00	.01	.00	788.54	100.00	
100.100	157000.00	98.64	3.04	.01	3.04	10318.35	100.00	
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00	
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00	
102.100	101000.00	91.75	.00	1.14	.00	453.31	10700.00	
102.100	157000.00	99.69	7.94	1.04	7.94	2128.38	10700.00	
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00	
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00	
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00	
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00	
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00	
*	105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00	
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00	
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00	
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00	
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00	
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00	
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00	
110.900	242000.00	99.85	3.25	.96	.00	3188.91	5300.00	
*	111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
*	111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
*	111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
*	111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00	
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00	
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00	
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00	
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00	
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00	
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00	
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00	
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00	
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00	
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00	
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	1915.96	3700.00
*	123.800	157000.00	105.05	6.27	1.14	6.27	11534.10	3700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	11998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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	SECNO	Q	CWSBL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
*	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7614.90	5809.00
*	134.970	181000.00	111.60	1.25	-.08	.00	10903.30	5809.00
*	134.970	242000.00	114.38	2.77	-.11	.00	11797.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.65	11360.00
	137.100	181000.00	114.10	1.31	2.49	.00	13554.72	11360.00
	137.100	242000.00	116.52	2.43	2.14	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.42	4800.00
	138.000	181000.00	114.87	1.23	.77	.00	15098.75	4800.00
	138.000	242000.00	117.21	2.35	.69	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.44	5200.00
	139.000	181000.00	115.70	1.08	.83	.00	15200.00	5200.00
	139.000	242000.00	117.87	2.17	.66	.00	15200.00	5200.00

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City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model - Alignment #1
10, 50, 100, and 500 Year Frequency
RE_NATA1.FHO


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.....
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:41:46 *
.....

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.....
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
.....

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X X XXXXXXX XXXXX XXXXX
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11SEP96 15:41:46

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PAGE 1

THIS RUN EXECUTED 11SEP96 15:41:46

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.....
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
.....

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Filename: re_natal.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE NATA1.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DBC, 1985 MR1191>BR1838

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J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSRL PQ
      3
      58.47

J2 NPROP IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
      1 -1
      110 150 200
      00.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
      150

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
      -10 -10

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NC		10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000	181000	242000	181000	181000		
ET		9.1	9.1	9.1	7.1			20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06	
NH	34878	0.12	44078								
X1	64.53	33.	24100.	24542.	0.	0.	0.				
X4	2	53.2	12600.	53.	13000.						
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.	
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.	
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.	
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.	
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.	
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.	
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.	

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PAGE 2

ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1			18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07	
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.		
X1	66.65	46	19150	19600	2300	2700		7800			
X4	2	54.3	16200	54.9	18800						
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.	
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.	
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.	
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.	
GR	55.6	21217.	54.1	23256	53.5	24746.	52.8	25729.	53.	25825.	
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.	
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.	
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.	
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.	
GR	65.1	36129.									

ET		9.1	9.1	9.1	7.1			19001.	29000.	19000.	33835.
NC				.3	.5						
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12	
NH	23200.	.070	26000.	.120	43445.						
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.				
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.		
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.	
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.	
GR	57.9	19835.	56.	21835	56.1	23688.	56.2	25150.	54.6	27335.	
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.	
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.	
GR	59.7	42335.	65.8	42835.	68.6	43445.					

ET		9.1	9.1	9.1	7.1			16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025	
NH	18950.	0.120	39141.								
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.				
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.	
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.	
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.	
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.	
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.	
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.	

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1			20703.	32000.	20700.	36060.
NC				.1	.3						
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12	
NH	41060.	.06	46060.								
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.				
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.	
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.	
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.	
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.	
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.	
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.	
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.			

ET		9.1	9.1	9.1	7.1			25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025	
NH	27162.	0.060	29500.	0.12	46790.						
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.				
X4	1.	59.0	29500.								
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.	
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.	
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.	
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.	
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.	
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.	
GR	70.7	46790.									

NC				.3	.5						
ET		9.1	9.1	9.1	7.1			25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060	
NH	32500.	.12	47700.								
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.				
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0	
X4	47500.										
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.	
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.	
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.	

JR	53.5	39540.	50.6	39595	50.9	41243.	49.5	41371.	50.5	41426.
JR	49.0	43700.	51.0	43850	50.0	44000.	53.0	45500.	53.0	46000.
JR	40.0	46550.	49.0	46700.	55.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC		.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
JR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	31.9	31167.
JR	17.0	31195.	7.5	31215.	16.0	31295.	19.0	31495.	50.0	31624.
GR	53.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
JR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
JR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

JR	59.1	49890.	55.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5		29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	59.6	60.0	32000	67.3	0.0	32750	63.4	30.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				

ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				

ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		

ET					7.1		10293.	11200.		
NC			.1	.3						
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	65.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						

ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	5450.	64.9	6450	65.8	7200.	66.4	8526.	65.2	9988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						
ET		9.1	9.1	9.1	7.1					
NH	5.	.120	13790.	.060	21500.	.120	27689.	33064.	20363.	33947.
NH	33947.						28189.	.025	29274.	.050
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		
ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								
NC				.1	.3					
ET		9.1	9.1	9.1	7.1					
NH	7.	.120	25279.	.050	28100.	.120	28330.	31907.	25279.	34088.
NH	32455.	.120	34650.	.050	39584.		28830.	.025	29426.	.050
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						
ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				
ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127		15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083
ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
NC											

X1	84.17	45	18700.	19866.	2000.	2500.	1700.			
X2										
X4	1	92.0	19867.							15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4	
ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.				
X2											
X2			1.	85.1	91.3						15.
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1	
BT	19867.	92.0	92.0								

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3						
X1	84.21	45	18700.	19866.	2000.	2500.	1700.				
X2											
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.	
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.	
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.	
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.	
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.	
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.	
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.	
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.	
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.	

ET		9.1	9.1	9.1	7.1			15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120	
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.		
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.				
X2											
X4	2.	73.0	19600.	72.0	26300.						15.
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.	
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.	
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.	
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.	
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.	

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

BT		9.1	9.1	9.1	7.1			30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120	
NH	33216.	.060	37500.	.050	38000.	.060	46203.				
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.				
X4	2.	73.2	37500.	74.	38000.						
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.	
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.	
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.	
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.	
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.	
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33212.	64.6	33887.	
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.	
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.	

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				43	48.	48.			
NC			1.	92.1	96.0					
X3	10									
BT	30.	00	97.6		27	31.7		455.	33.4	
BT	975.	78.9		1089.	32.4		1681.	82.6		2379.
BT	91.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	92.8		4382.	80.0		4612.	32.8	
BT	4457.	81.3		4887.	87.1		4996.	84.6		5697.
BT	31.0		5095.	33.3		7325.	93.2		9343.	93.6
BT		8763.	31.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	34.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	89.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.	12164.	12892.	11443.
GR	37.6	00	31.7	27.	33.4	852.	78.9	975.	82.4	1089.
GR	32.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	32.8	3982.	90.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	31.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	31.0	10200.	31.0	10600.	31.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	30.9	12786.	33.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	93.6	22739.	32.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	99.5	1538.	91.8	1948.	90.2	3220.	35.3	3901.
GR	89.5	4138.	87.2	4924.	98.5	5688.	82.5	5900.	91.8	6266.
GR	95.2	7568.	81.2	7590.	99.3	7950.	81.2	9254.	39.7	8408.
GR	86.1	10480.	96.9	11321.	95.3	12009.	95.9	12871.	35.0	13999.
GR	86.3	14036.	84.1	14106.	33.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	95.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	39.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	95.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC				.1	.3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	17.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09				30.	30.	30.			
X2			1	101.7	104.					00
BT	5	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		11771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	3000	11500	10700			
DR	106.3	922	100	1157	96.7	1483	92.6	1573	37.5	2032
DR	37.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
DR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
DR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
DR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
DR	37.2	11653	92.9	12254	96.6	12384	86.1	12654	92.9	12748
DR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
DR	93.3	16781	91.3	17344	39.2	18447	92.3	18566	37.5	20554
DR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
DR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
DR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
DR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025		6.4					
ET										
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025		2.4					
ET										
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025		8.4					
ET										
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025		16.4					
ET										
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105	14696	105	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	95	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								
ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17200	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2				122.5	125							
X3	10											
BT	9	15200	110		15350	110		15450	111			
BT	15600	113		16050	125.1			16450	131.3			17210
BT	132.82		18000	132.82								
ET					9.4							
X1	127.63				100	100	100					
NH	5	26	31000	12	32000	26	34750	.025	35700	.05		
NH	37300											
ET					7.4							
X1	127.9	15	34750	35700	300	1200	1100					
X4	2	105	31000	105	32000							
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100		
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450		
GR	120	36600	125	36700	130	36900	135	37100	130	37300		

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NC	.05	.05	.025	.1	.3							
ET					10.4							
X1	129.9	14	25400	26000	3000	12000	10600					
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600		
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000		
GR	100	35100	105	35900	110	36200	125	36300				
ET					10.4							
X1	130.7	16	30300	31200	2400	6000	4200					
GR	110.0	10000	108.0	21000	108.0	24000	105	29800	100.0	30300		
GR	74.5	30700	59.8	30800	74.5	30900	100	31100	105.0	31200		
GR	105	31900	100	36600	100	42800	105	43900	110	44100		
GR	125	44200										
ET					9.4							
X1	132.2	14	22500	23200	4000	14000	7400					
GR	110	10000	108	19500	109	20000	105	20900	100	20950		
GR	95	21000	90	22200	90	22500	85	22700	76	22750		
GR	63	22900	76	23050	105	23200	110	29600				
ET					15.4							
X1	133.9	18	31500	32450	7000	5000	9000					
GR	115	20600	110	22400	110	24800	105	26500	105	31500		
GR	77.5	31750	68.0	31900	77.5	32050	80.0	32150	85.0	32250		
GR	90.0	32350	95.0	32450	100	32700	105	33300	105	34500		
GR	105	35000	110	42000	111	43700						

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97
Two GR points were added to the geometry of cross section 134.97 for Levee alignment #1

ET					7.4							
NC	.05	.05	.025	.1	.3							
X1	134.97	70	14517	15097	5809	5809	5809					
GR	130	10000	130	10077	130	10188	130	10199	130	10292		
GR	130	10392	130	10490	130	10587	130	10684	130	10787		
GR	130	10865	130	10885	130	10917	111.4	10917	111.5	10989		
GR	111.63	11094	111.94	11189	112.16	11301	111.98	11403	111.69	11509		
GR	110.73	11615	110.7	11718	110.74	11821	110.7	11921	110.48	12022		
GR	110.75	12125	110.76	12228	110.83	12328	110.77	12428	110.41	12530		
GR	110.87	12630	111.11	12730	111.59	12828	111.85	12893	111.78	12925		
GR	111.61	13023	111.34	13119	110.24	13220	110.43	13220	110.35	13220		
GR	110.27	13220	109.03	13278	106.41	13295	109.06	13311	108.87	13362		
GR	110.13	13363	110.69	13460	111.09	13558	111.36	13639	110.73	13761		
GR	111.45	13828	111.89	13921	111.62	14018	110.99	14117	111.91	14222		
GR	111.4	14323	111.27	14449	111.27	14517	73.96	14559	69.65	14627		
GR	71.48	14667	70.9	14747	74.59	14812	85.24	15031	98.1	15097		
GR	100.23	15186	102.83	15297	110	15697	110	16797	110	21797		
GR	4	.05	4800	.12	9300	.025	9950	.06	17500			
ET					7.4							
X1	135	16	9300	9950	7000	3000	7400					
GR	130	1600	130	4800	130	7500	110	7500	110	8500		

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NC	.05	.06	.025	.1	.3							
ET					7.1			23000	30250			
X1	137.1	15	23250	23900	5560	4160	11360					
GR	115	19150	110	23000	105	23250	81.8	23500	73.5	23625		
GR	81.8	23750	100	23900	110	24500	106	25500	105	26500		
GR	110	26700	110	30500	109	31000	110	31400	113	33400		

NC	.05	.05	.025	1	.3								
ET					7.1								
X1	138.	13	19300.	19900.	3500.	3000.	18844.	24925.					
GR	115.	11800.	115.	11801.	115.	11802.	4800.						
GR	58.0	19725.	83.1	19850.	105.	19900.	110.	19300.	83.1	19600.			
GR	110.	23800.	110.	25400.	113.	27100.	110.	20500.	108.	21400.			
NC	.05	.05	.025	1	.3								
ET					7.1								
X1	139.	13	23000.	23700.	3400.	5000.	21600.	25100.					
X4	3	110	23020	105	23040	100	5200.						
GR	115	10000	113	15000	115	18800	23100						
GR	110	21800	115	23000	84.5	23450	115	20800	110	21000			
GR	115	23700	115	24100	115.1	25200	62.5	23550	84.5	23650			

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 5.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 37.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .3
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 37.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 37.4 1.3
 AREA= 2301.3 1722.5 167.4 19994.7 82.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSL= 74.01

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SECNO	DEPTH	CWSL	CRINS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	KNL	KNCH	IXR	WTN	SLMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	MTRIC	HVINS	Q	WSEL	PQ
									58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSL= 74.69

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 14210. 29000. 29399
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BR1838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROP	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9319.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 11173. 15915. 16792. 21510. 24210. 26300. 29736. 29786.
 PER Q= 1.1 3.9 2.6 7.8 4.3 4.7 3.5 3.1 0
 AREA= 1791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .3 .6 .6 7.0 8 9 .9 .5 2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 5

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THIS RUN EXECUTED 11SEP96 15:41:51

 HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K	
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00		
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00		
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70		
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70		
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20		
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90		
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30		
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60		
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60		
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10		
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40		
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00		
*	67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
*	67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
*	67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
*	67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	165255.50205598.60	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95		
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33		
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30		
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.502126189.60		
*	68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
*	68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
*	68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
*	68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60		
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30		
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90		
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80		

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SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

71.260	50.00	56.50	66.30	7.50	242000.00	55.17	.00	65.58	.89	6.37	163332.70255820.10
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78
71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	3.54	66153.34130382.30
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30 63017.20	
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81 89680.11	
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37 74840.03	
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41 93500.73	
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37 78930.41	
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.61113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81 66689.88	
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61 98445.86	
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.90115647.20	
83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71 80054.75	
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76 94782.58	
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16 80093.68	
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74 94860.26	
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49 80161.47	
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59 95202.61	
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64 80193.55	
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80 95448.02	
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.091234868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43 89222.84	
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20
*	86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40
*	86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50
*	86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.92	6.06	130911.20266590.60
*	87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37
*	87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10
*	87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10
*	87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40
	88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95
	88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90
	88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30
	88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30
	89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48
	89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30
	89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90
	89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.88166128.30
	90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98
	90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40
	90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00
	90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50
*	91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70
*	91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32
*	91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08
*	91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30
	92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73
	92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10
	92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70
	92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.98132471.10
	92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65
	92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50
	92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70
	92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.58133056.30
	92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76
	92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29 91635.54
	92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60
	92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50
	92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91
	92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50 91812.23
	92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80
	92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00

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SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47	
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46	
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88122161.80	
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76	
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69	
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92102782.90	
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88	
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24	
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35	
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00	
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95	
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00	
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	11884.43 78006.37	
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	

94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.17	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	81.27	.00	84.62	2.03	9.41	20595.64110257.00	
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42121012.90	
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10166281.20	
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12138740.30	
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10153675.80	
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65189329.20	
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13113643.30	
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93147151.40	
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55160877.90	
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68191242.90	
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
* 99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71114904.70	
* 99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50194798.40	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
* 100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.5013091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	

117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.16	7.30	50657.29207654.60
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65 77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.37	45154.23139002.00
118.800	5400.00	.00	.00	54.00	181000.00	102.34	.00	103.36	1.24	6.04	56394.73162512.00
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	9.31	16070.37 59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68 89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40
* 123.800	3700.00	.00	.00	62.00	181000.00	106.89	.00	107.06	.59	4.30	107067.20235384.30
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44 63732.80
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.80118244.60
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20
* 126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
* 126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
* 126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.80118244.60
* 126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.36	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.48318987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SBCNO	XLCH	BLTRD	ELLC	ELMIN	Q	CMSBL	CRIMS	EG	10*KS	VCH	ARBA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
* 129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.88	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
* 130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
* 130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
* 130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 134.970	5809.00	.00	.00	69.65	101000.00	106.13	.00	106.73	1.34	6.22	17438.02 87264.71	
* 134.970	5809.00	.00	.00	69.65	157000.00	110.36	.00	111.36	1.95	8.19	24374.77112485.70	
* 134.970	5809.00	.00	.00	69.65	181000.00	111.60	.00	112.69	2.10	8.71	35184.54124891.90	
* 134.970	5809.00	.00	.00	69.65	242000.00	114.35	.00	115.35	2.05	9.08	64917.68168876.30	
137.100	11360.00	.00	.00	73.50	101000.00	107.99	.00	108.73	2.39	7.03	19105.52 65303.29	
137.100	11360.00	.00	.00	73.50	157000.00	112.78	.00	113.41	1.92	7.21	55130.70113408.20	
137.100	11360.00	.00	.00	73.50	181000.00	114.10	.00	114.66	1.75	7.12	72351.40136680.00	
137.100	11360.00	.00	.00	73.50	242000.00	116.57	.00	117.03	1.57	7.13	107213.60193435.50	
138.000	4800.00	.00	.00	68.00	101000.00	109.10	.00	110.01	2.82	7.74	14903.02 60191.45	
138.000	4800.00	.00	.00	68.00	157000.00	113.64	.00	114.31	2.13	7.56	54029.63107593.30	

138.000	4800.00	.00	.00	68.00	181000.00	114.87	.00	115.44	1.90	7.37	71507.88131248.20
138.000	4800.00	.00	.00	68.00	242000.00	117.25	.00	117.67	1.56	7.06	107928.60193745.00
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.65 95743.12
139.000	5200.00	.00	.00	62.50	181000.00	115.70	.00	116.69	2.71	9.54	44881.29110017.00
139.000	5200.00	.00	.00	62.50	242000.00	117.90	.00	118.70	2.43	8.54	78279.97155267.60

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	53.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	56.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.95	.16	.00	22176.00	2300.00
77.250	242000.00	69.18	2.99	.15	.00	22176.00	2300.00
* 79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
* 79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
* 79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
* 79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
* 83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
* 83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
* 83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
* 83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
* 83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
* 83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
* 83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
* 83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
* 86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
* 86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
* 86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
* 86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
* 87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
* 87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
* 87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
* 87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
38.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00	
38.300	157000.00	76.16	5.30	.50	5.30	4890.32	3600.00	
38.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00	
38.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00	
39.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00	
39.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00	
39.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00	
39.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00	
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00	
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00	
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00	
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00	
*	91.520	101000.00	73.14	.00	.00	579.97	7000.00	
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00	
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00	
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00	
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00	
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00	
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00	
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00	
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00	
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00	
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00	
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00	
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00	
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00	
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00	
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00	
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00	
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00	
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00	
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00	
92.270	242000.00	84.27	2.96	.02	.00	12920.28	400.00	
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00	
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00	
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00	
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	37.13	1.39	.31	.00	1033.67	7000.00
96.930	242000.00	30.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
* 99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	39.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	30.56	.00	1.03	.00	736.68	2500.00
* 100.070	157000.00	38.60	3.04	1.48	3.04	10285.34	2500.00
* 100.070	181000.00	30.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	30.57	.00	.01	.00	737.34	100.00
100.080	157000.00	38.61	3.04	.01	3.04	10298.35	100.00
100.080	181000.00	30.69	2.08	.01	.00	12367.46	100.00
100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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PAGE 39

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	3.03	.02	3.03	10309.57	30.00
100.090	181000.00	30.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	798.54	100.00
100.100	157000.00	88.64	3.04	.01	3.04	10318.35	100.00
100.100	181000.00	30.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	31.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	34.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	35.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	36.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	36.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	38.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	39.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
*	123.800	157000.00	105.05	5.27	1.14	5.27	13534.10	3700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7134.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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	SECNO	Q	CMSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7472.13	5809.00
*	134.970	181000.00	111.60	1.24	-.08	.00	9977.76	5809.00
*	134.970	242000.00	114.35	2.75	-.14	.00	10880.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.69	11360.00
	137.100	181000.00	114.10	1.32	2.50	.00	13560.52	11360.00
	137.100	242000.00	116.57	2.47	2.22	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.46	4800.00
	138.000	181000.00	114.87	1.23	.77	.00	15107.42	4800.00
	138.000	242000.00	117.25	2.38	.68	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.59	5200.00
	139.000	181000.00	115.70	1.08	.83	.00	15200.00	5200.00
	139.000	242000.00	117.90	2.20	.64	.00	15200.00	5200.00

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City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model - Alignment #2
10, 50, 100, and 500 Year Frequency
RE_NATA2.FHO

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.....
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:42:30 *
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.....
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 409 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
.....

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THIS RUN EXECUTED 11SEP96 15:42:30

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.....
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
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Filename: re_nata2.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	MBTRIC	HVINS	Q	WSEL	PQ
		3							58.47	
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								

NC		10 YR	50 YR	100 YR	500 YR	PLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000	181000	15000	41899
ET		9.1	9.1	9.1	7.1						
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06	
NH	34878	0.12	44078								
X1	64.53	33.	24100.	24542.	0.	0.	0.				
X4	2	53.2	12600.	53.	13000.						
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.	
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.	
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.	
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.	
GR	53.4	26303.	51.4	28807.	51.9	30512.	53	30979.	53.3	31355.	
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.	
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.	

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.3	32256	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.3	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.0	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	1600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

DR	53.5	19540.	60.6	19595.	60.9	41243.	49.5	41371.	60.5	41426.	
DR	60.0	43700.	51.0	43850.	60.0	44000.	53.0	45500.	63.0	46000.	
DR	60.0	46550.	49.0	46700.	48.0	47050.	70.0	47700.			
ET		9.1	9.1	9.1	7.1			28501.	36000.	28500.	37500.
NC	12	37	325								
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.				
X4	2	56.3	27100.	57.1	32750.						
GR	70.	27000.	56.3	23500.	60.5	30500.	60.0	31007.	13.9	31167.	
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.	
GR	58.5	32000.	55.4	33500.	57.0	37500.	53.4	41980.	62.2	42140.	
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.	
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.	

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DR	59.1	49890.	65.0	50080.	70.0	50330.					
ET		9.11	9.11	9.11	7.11			28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				50.	50.	50.				
X2			1.0	66.3	56.5						
BT	15	27000	70	27100	62.5			29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9	
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET		9.1	9.1	9.1	7.1			28501.	36000.	28500.	37500.
NC				.3	.5						
X1	71.28				100	100	100				
ET					7.1		21000	27727	21000	29646	
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					
ET					7.1		17248.	25698.	14300.	28074.	
NC				.3	.5						
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050	
NH	28074.	.06	29039.								
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.				
X4	2	61.0	14400.	60.0	14900.						
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.	
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.	
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.	
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.	
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.			
ET					7.1		10293.	21200.			
NC			.1	.3							
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025	
NH	20224.	.06	24630.								
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.				
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.	
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.	
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.	
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.	
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.	
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.	
GR	61.2	23461.	66.8	24630.							

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ET		9.1	9.1	9.1	7.1			10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12	
NH	15500.	.05	24676.								
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.				
X4	1	60.4	12200.								
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.	
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.	
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.	
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.	
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.	
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.	
GR	61.5	24450.	66.9	24676.							
ET		9.1	9.1	9.1	7.1			16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120	

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	17.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC			.1	.3						
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC			.1	.3						
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	34.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
GR	31.	5500	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	44.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC										

X1	34.17	45	18700.	19866.	100.	100.	100.			
X2										15.

X4	1	92.0	19867.							
GR	31.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	44.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	31.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.

X1	34.19				100.	100.	100.			
X2										15.

X2			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					

X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										15.

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120

NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										15.

X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120

NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					

GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	11617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	32.4		1681.	32.6		2379.
BT	81.2		2549.	79.7		1019.	91.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	91.3		4887.	37.1		4996.	94.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		3343.	83.6
BT		8763.	83.2		10085.	34.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12956.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	11617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	33.4	352.	78.9	975.	82.4	1089.
GR	82.6	1681.	91.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	91.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	31.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	90.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	67.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			

ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC				.1	.3					
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC				.1	.3					
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	81.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18416.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC				.1	3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09									
X2				101.7	104.					00
BT	6	10556.1	93.9		10624.	104.		11010.	106.4	
BT	11104.	104.5		11771.	99.5		12250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	12250.	18534.	12250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.0					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	3000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	1741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	9421	97.1	3553	80.4	3698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	97.2	11653	92.9	12254	96.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					13.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	95	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.						
GR	105.	14696.	105.	14697.	135.	14698.	105.	14699.	105.	14700.	
GR	105	24500	110	24550	113	24700	64.6	25000	50	25200	
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150	
GR	100	26200	105	26300	110	26350	115	26400	120	26900	
GR	125	27050									
NH	5	12	16000.	05	19400.	.12	20200.	.025	21200.	.12	
NH	25300.										
ET					5.4						
X1	118.8	13	20200	21200	4700	4400	5400				
X4	2	109.8	16000.	105.9	19400.						
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200	
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400	
GR	100	23900	100	24900	125	25300					
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025	
NH	39900.	.12	41300.								
ET					16.4						
X1	123.1	27	39400	39900	18000	20000	22600				
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.		
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.	
GR	105	24200	105	25700	100	25800	100	26600	105	26800	
GR	105	28100	100	28200	105	28400	105	29000	100	33400	
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550	
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.	
GR	110.	41150.	115.	41300.							
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025	
NH	39900.	.05	44600.								
ET					12.4						
X1	123.8	25	39000	39900	1950	3500	3700				
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6	
X4	27700.	105.	29350.	115.	31800.						
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800	
GR	105	26500	100	27850	105	27950	105	32100	100	35400	
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375	
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750	
GR	110	42800	115	42900	120	43000	125	43100	130	44600	
NC	.12	.05	.025	.1	.3						
ET					11.4						
X1	124.8	46	34500	35100	2700	3000	5000				
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.	
GR	113	22975	107	23040	107	23330	107	23331	109	23920	
GR	108	24190	107	24480	105	24970	104	25110	100	25180	
GR	100	25410	100	25680	105	25850	100	26000	100	26200	
GR	105	26300	105	26620	104	27710	104	27890	100	28010	
GR	100	28105	105	28150	105	30850	106	31110	107	31370	
1	11SEP96	15:42:30									
GR	100	32150	100	34100	95	34150	100	34200	100	34500	
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400	
GR	105	39500	110	39600	115	39700	120	39800	125	39900	
GR	130	40700									
ET					9.4						
NC	.06	.06	.025	.1	.3						
X1	126.8	23	31550	32800	2300	11050	10900				
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.	
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300	
GR	100	33500	95	33600	90	33700	90	33850	95	33950	
GR	100	34050	105	34150	110	34300	115	34400	120	34500	
GR	125	34800	130	35200	135	35400					
127.70 X-Section is shown in the FEMA FIS book as "BF". since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.											
NC	.05	.05	.025	.3	.5						
ET					8.4						
X1	127.60	34	16050	17350	3800	3800	4000				
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400	
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900	
GR	105	16000	105	16050	104	16200	105	16300	105	16500	
GR	106	16525	109	16535	111	16550	100	16570	74	16620	
GR	75	16750	73	16850	70	16860	70	16935	62	16985	
GR	58	17070	75	17175	82	17192	101	17208	105	17232	
GR	105	17257	110	17350	113	17388	119	17500			
ET					8.41						
X1	127.61				100	100	100				
X3	10										
SB	1.25	1.5	2.6		500	20	40000	2	58	58	
ET					7.11		16050	17350			
X1	127.62				28	28	28				

K2				122.5	125						
X1	10										
BT	5	15200	110		15350	110		15450	111		
BT	15600	113		16050	125.1		16450	131.3		17210	
BT	112.92		18000	132.32							
ET					8.4						
X1	127.63				100	100	100				
NH	5	.06	31000	12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	800	1200	1100				
X4	2	105	31000	105	32000						
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	3000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300	31200	2400	6000	4200				
GR	110.0	10000	108.0	21000	108.0	24800	105	29800	100.0	30300	
GR	74.5	30700	59.8	30800	74.5	30900	100	31100	105.0	31200	
GR	105	31900	100	36600	100	42800	105	43900	110	44100	
GR	125	44200									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500	32450	7000	5000	9000				
GR	115	20600	110	22400	110	24800	105	26500	105	31500	
GR	77.5	31750	68.0	31900	77.5	32050	80.0	32150	85.0	32250	
GR	90.0	32350	95.0	32450	100	32700	105	33300	105	34500	
GR	105	35000	110	42000	111	43700					

Cross section 135.00 of the PEMA model has been replaced with a new survey cross section 134.97
Two GR points were added to the geometry of cross section 134.97 for Levee alignment #2

ET					7.4						
NC	.05	.05	.025	.1	.3						
X1	134.97	70	14517	15097	5809	5809	5809				
GR	130	10000	130	10077	130	10188	130	10199	130	10292	
GR	130	10392	130	10490	130	10587	130	10684	130	10787	
GR	130	10865	130	10885	130	10989	130	11094	130	11189	
GR	130	11301	130	11403	130	11509	130	11615	130	11718	
GR	130	11821	130	11921	130	12022	130	12125	130	12228	
GR	130	12328	130	12428	130	12530	130	12630	130	12717	
GR	111	12717	111.11	12730	111.59	12828	111.85	12893	111.78	12925	
GR	111.61	13023	111.34	13119	110.24	13220	110.43	13220	110.35	13220	
GR	110.27	13220	109.03	13278	106.41	13295	109.06	13311	108.87	13362	
GR	110.13	13363	110.69	13460	111.09	13558	111.36	13639	110.73	13761	
GR	111.45	13828	111.89	13921	111.62	14018	110.99	14117	111.91	14222	
GR	111.4	14323	111.27	14449	111.27	14517	73.96	14559	69.65	14627	
GR	71.48	14667	70.9	14747	74.59	14812	85.24	15031	98.1	15097	
GR	100.23	15186	102.83	15297	110	15697	110	16797	110	21797	
4	.05	4800	.12	9300	.025	9950	.06	17500			
					7.4						
135	16	9300	9950	7000	3000	7400					
130	1600	130	4800	130	7500	110	7500	110	8500		

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110	8700	105	8800	100	9300	79.0	9550	72.0	9700		
79.0	9850	100	9950	110	11000	106	12800	110	15000		
111	17500										

NC	.05	.06	.025	.1	.3						
ET					7.1		23000	30250			
X1	137.1	15	23250	23900	5560	4160	11360				
GR	115	19150	110	23000	105	23250	81.8	23500	73.5	23625	
GR	81.8	23750	100	23900	110	24500	106	25500	105	26500	
GR	110	26700	110	30500	109	31000	110	31400	113	33400	

NC	.05	.05	.025	.1	.3						
ET					7.1		18844.	24925.			
X1	138.	13	19300.	19900.	3500.	3000.	4800.				
GR	115	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.	
GR	68.0	19725.	93.1	19850.	105.	19900.	110.	20500.	108.	21400.	
GR	110.	23800.	110.	25400.	113.	27100.					

NC	.05	.05	.025	.1	.3						
ET					7.1		21600.	25100.			
X1	139.	13	23000.	23700.	3400.	5000.	5200.				
X4	3	110	23020	105	23040	100	23100				
GR	115	10000	113	15000	115	18800	115	20800	110	21000	
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650	
GR	115	23700	115	24100	115.1	25200					

1

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.

PER Q= 100.0

AREA= 16450.7

VEL= 6.1

DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.

PER Q= 100.0

AREA= 16464.2

VEL= 6.1

DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.

PER Q= 100.0

AREA= 16487.5

VEL= 6.1

DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.

PER Q= 100.0

AREA= 16498.5

VEL= 6.1

DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.

PER Q= 100.0

AREA= 19248.4

VEL= 5.2

DEPTH= 22.5

1

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T1 BRAZOS RIVER RESTUDY , FLOODWAY DETERMINATION FILENAME = RE_NATA2.PH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ

4

58.47

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC ISW CHNIM ITRACE

2

-1

00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.

PER Q= .6 .4 .1 97.7 1.2

AREA= 2080.9 1557.4 312.2 19892.9 2598.5

VEL= .4 .4 .4 7.7 .7

DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .3
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .3
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 32.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XML	XNCH	XNR	WTW	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

1

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T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	CLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES. WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
		6							58.47	
J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	CLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 21658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 11173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 1.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 0
 AREA= 3791.1 14503.0 9643.3 25853.6 11806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 6 7.0 3 .9 .9 5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:42:16

.....
 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	BG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.87	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.82	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	BG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

71.260	50.00	56.50	66.30	7.50	242000.00	55.17	.00	65.58	.89	6.37	163332.70255820.10
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00
71.280	100.00	.00	.00	7.50	191000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00
71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78
71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60
71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30
71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSBL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	73.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.00115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26464.76	94782.58
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95448.02
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.D1K
* 36.910	9520.00	.00	.00	29.70	101000.00	70.21	.00	70.48	.56	4.38	41927.25134826.20	
* 36.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
* 36.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
36.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
* 87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
* 87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
* 87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
38.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
38.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
38.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
38.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.67144988.10	
89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98	
90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
* 91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70	
* 91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32	
* 91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08	
* 91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73	
92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10	
92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65	
92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50	
92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76	
92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29 91635.54	
92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91	
92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50 91812.23	
92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.D1K
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47	
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46	
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80	
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76	
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69	
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90	
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88	
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24	
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35	
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00	
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95	
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00	
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43 78006.37	
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	

94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	93.27	.00	84.62	2.03	9.41	20595.64	110257.00
94.980	3400.00	.00	.00	29.40	181000.00	94.97	.00	86.48	2.24	10.12	31241.42	121012.90
94.980	3400.00	.00	.00	29.40	242000.00	98.68	.00	90.01	2.12	10.34	80561.10	166281.20
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12	138740.30
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10	153675.80
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65	189329.20
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	1.79	5.71	17703.13	113643.30
96.930	7000.00	.00	.00	28.30	157000.00	95.24	.00	86.09	1.14	7.40	21213.93	147151.40
96.930	7000.00	.00	.00	28.30	181000.00	97.13	.00	88.10	1.27	7.99	28320.55	160877.90
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68	191242.90
99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
99.560	13900.00	.00	.00	34.90	157000.00	97.12	.00	88.54	2.57	9.65	20107.98	97948.95
99.560	13900.00	.00	.00	34.90	181000.00	99.19	.00	90.59	2.48	9.87	33804.71	114904.70
99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50	194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37	138314.20
100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40	169983.10
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70	240056.30
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88	138557.10
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34	170224.90
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60	240377.30
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59	138766.90
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09	170450.70
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10	240737.80
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78	138931.50
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87	170653.50
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90	240998.50
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05	100393.20
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48	137774.50
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98	152451.40
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00	190436.10
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05	160709.50
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67	200891.90
105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60	293743.60
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67	112833.80
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82	172314.80
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64	187932.60
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88	15745.60
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50	122468.40
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51	187602.30
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09	205152.90
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10	239788.00
111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50	113091.70
111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63	123947.40
111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64	144250.20
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38	114940.50
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24	129954.50
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54	169395.50

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26	128973.20
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33	146232.50
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54	192628.90
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35	149978.80
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45	167982.20

117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.10	50657.29207654.60
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65 77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37 59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	9.10	94160.99134108.30
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68 89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44 63732.80
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20
* 126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.0822362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.48118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.05166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CNSBL	CRIMS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
* 129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
134.970	5809.00	.00	.00	69.65	101000.00	106.13	.00	106.73	1.34	6.22	17438.02 87264.71	
* 134.970	5809.00	.00	.00	69.65	157000.00	110.36	.00	111.36	1.95	8.19	24375.28112486.30	
* 134.970	5809.00	.00	.00	69.65	181000.00	111.60	.00	112.69	2.11	8.73	34113.72124561.80	
* 134.970	5809.00	.00	.00	69.65	242000.00	114.30	.00	115.39	2.17	9.34	58618.69164135.60	
137.100	11360.00	.00	.00	73.50	101000.00	107.99	.00	108.73	2.39	7.03	19105.52 65303.29	
137.100	11360.00	.00	.00	73.50	157000.00	112.78	.00	113.41	1.92	7.21	55130.61113408.10	
137.100	11360.00	.00	.00	73.50	181000.00	114.11	.00	114.67	1.75	7.12	72475.79136857.90	
137.100	11360.00	.00	.00	73.50	242000.00	116.66	.00	117.11	1.53	7.06	108437.40388793.00	
138.000	4800.00	.00	.00	68.00	101000.00	109.10	.00	110.01	2.82	7.74	14903.02 60191.45	
138.000	4800.00	.00	.00	68.00	157000.00	113.64	.00	114.31	2.13	7.56	54029.53107593.10	

138.000	4800.00	.00	.00	58.00	181000.00	114.88	.00	115.45	1.90	7.36	71614.42131397.80
138.000	4800.00	.00	.00	58.00	242000.00	117.32	.00	117.73	1.53	6.99	108983.20195809.20
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.57 95743.00
139.000	5200.00	.00	.00	62.50	181000.00	115.71	.00	116.70	2.70	8.54	44957.60110099.40
139.000	5200.00	.00	.00	62.50	242000.00	117.95	.00	118.74	2.39	8.48	79110.05156604.80

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.98	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.35	.16	.00	22176.00	2300.00
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
* 79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
* 79.770	157000.00	67.65	2.98	1.31	2.98	9983.77	13300.00
* 79.770	181000.00	68.47	.92	1.29	.00	20659.37	13300.00
* 79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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SECNO	Q	CWSBL	DIFWSP	DIFMSX	DIFKWS	TOPWID	XLCH
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
* 83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
* 83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
* 83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
* 83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
* 83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
* 83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
* 83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
* 83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
* 86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
* 86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
* 86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
* 86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
* 87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
* 87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
* 87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
* 87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00	
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00	
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00	
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00	
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00	
89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00	
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00	
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00	
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00	
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00	
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00	
90.190	242000.00	80.16	2.07	.48	.00	5721.49	3400.00	
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1432.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00	
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00	
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00	
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00	
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00	
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00	
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00	
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00	
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00	
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00	
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00	
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00	
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00	
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00	
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00	
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00	
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00	
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00	
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00	
92.270	242000.00	84.27	2.96	.02	.00	12920.28	400.00	
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00	
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00	
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00	
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	37.13	1.89	.81	.00	1333.67	7000.00
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
* 99.560	157000.00	37.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	39.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
* 100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
* 100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	30.57	.00	.01	.00	787.34	100.00
100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	3915.96	1700.00
*	123.800	157000.00	105.05	5.27	1.14	6.27	13534.10	1700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	1700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	1700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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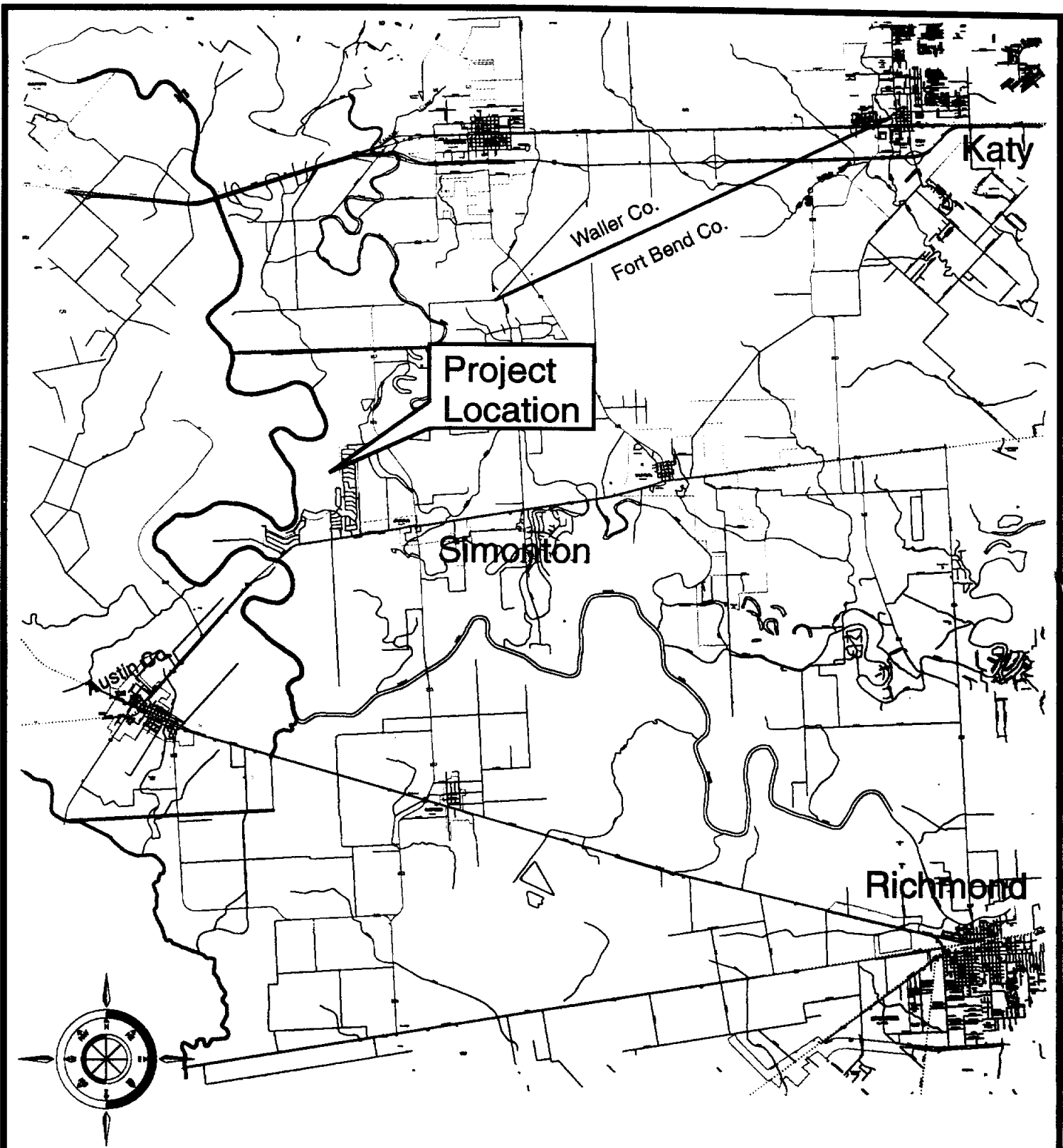
PAGE 41

	SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
*	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7472.14	5809.00
*	134.970	181000.00	111.60	1.24	-.09	.00	8620.50	5809.00
*	134.970	242000.00	114.30	2.70	-.19	.00	9080.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.67	11360.00
	137.100	181000.00	114.11	1.33	2.52	.00	13567.58	11360.00
	137.100	242000.00	116.66	2.54	2.36	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.45	4800.00
	138.000	181000.00	114.88	1.24	.77	.00	15117.99	4800.00
	138.000	242000.00	117.32	2.44	.66	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.55	5200.00
	139.000	181000.00	115.71	1.09	.83	.00	15200.00	5200.00
	139.000	242000.00	117.95	2.25	.63	.00	15200.00	5200.00

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PAGE 42



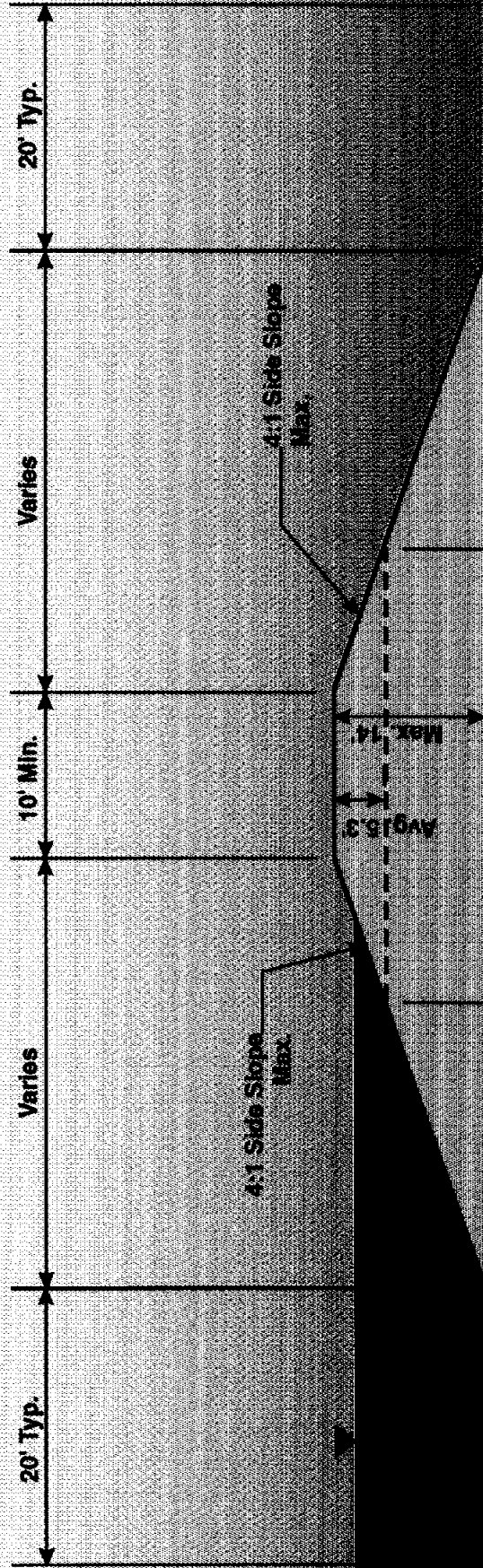
Vicinity Map
Exhibit 1



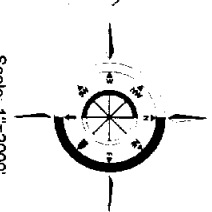
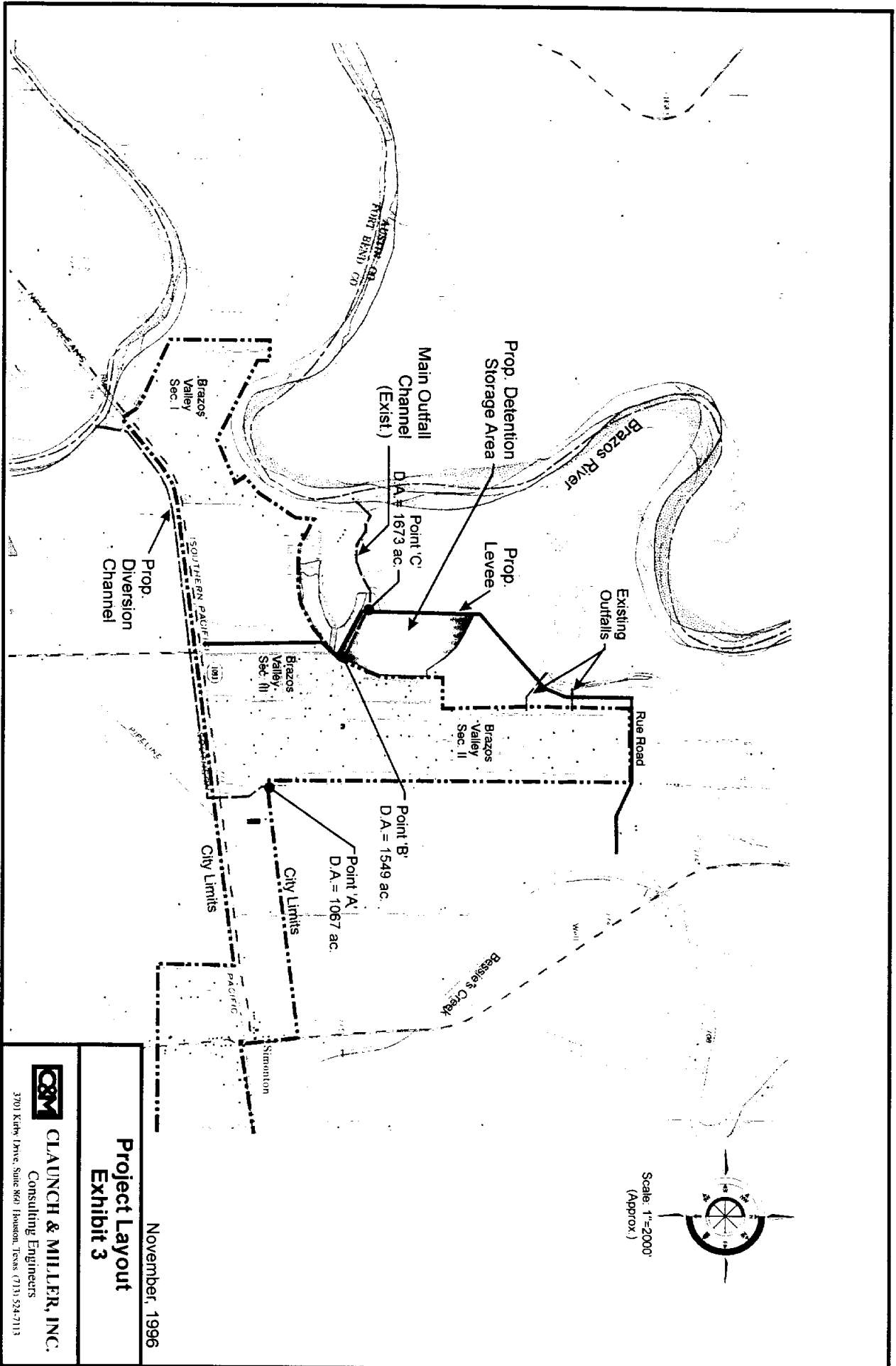
CLAUNCH & MILLER, INC.

Consulting Engineers

3701 Kirby Drive, Suite 860 Houston, Texas (713) 524-7113



CLAUNCH & MILLER, INC.
 Consulting Engineers
 3701 Kirby Drive, Suite 860 Houston, Texas (713) 524-7113



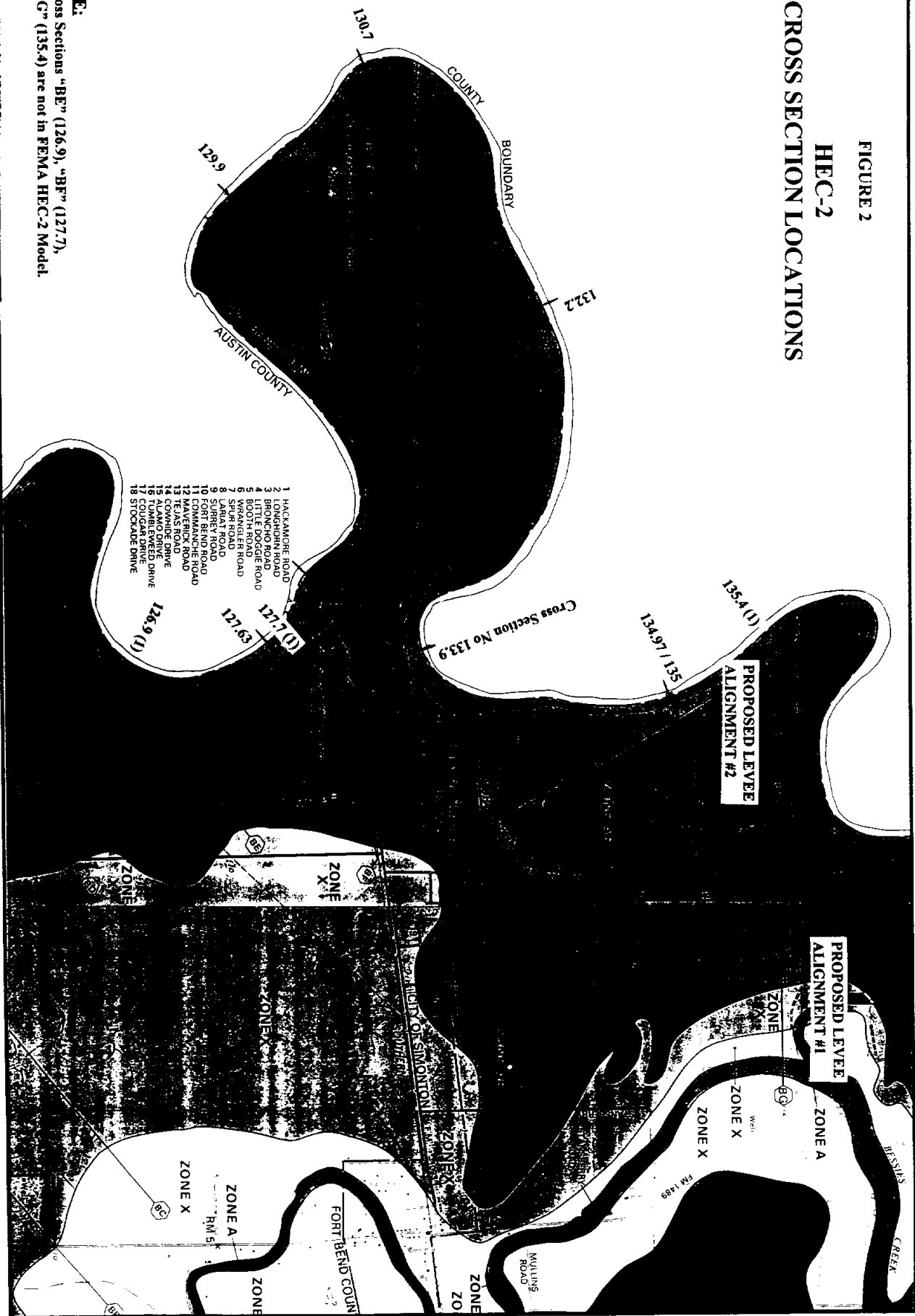
November, 1996

Project Layout

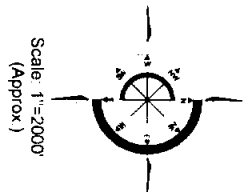
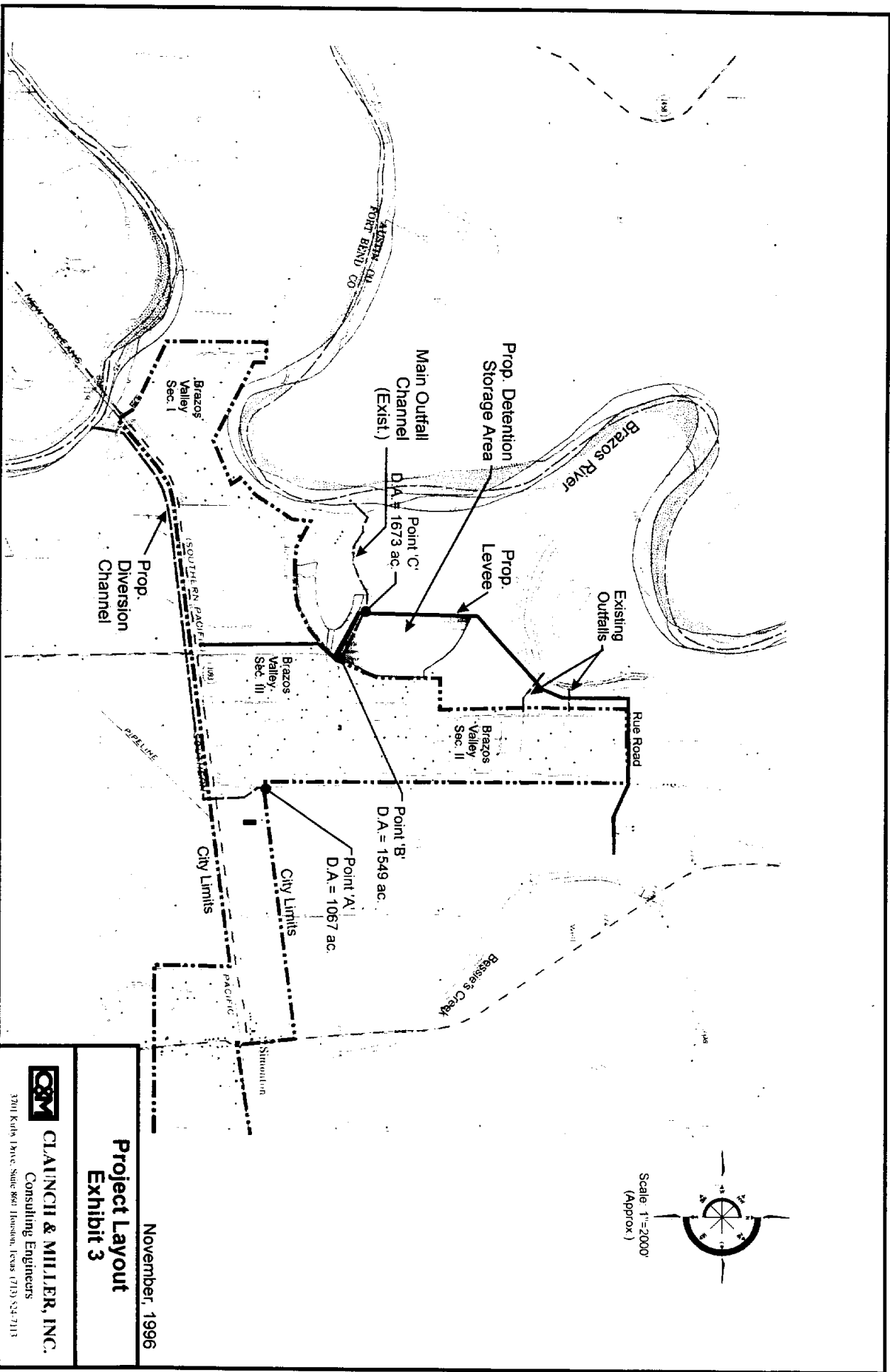
Exhibit 3

CLM **CLAUNCH & MILLER, INC.**
 Consulting Engineers
 3701 Kirby Drive, Suite 840 Houston, Texas 77018 524-7113

FIGURE 2
HEC-2
CROSS SECTION LOCATIONS

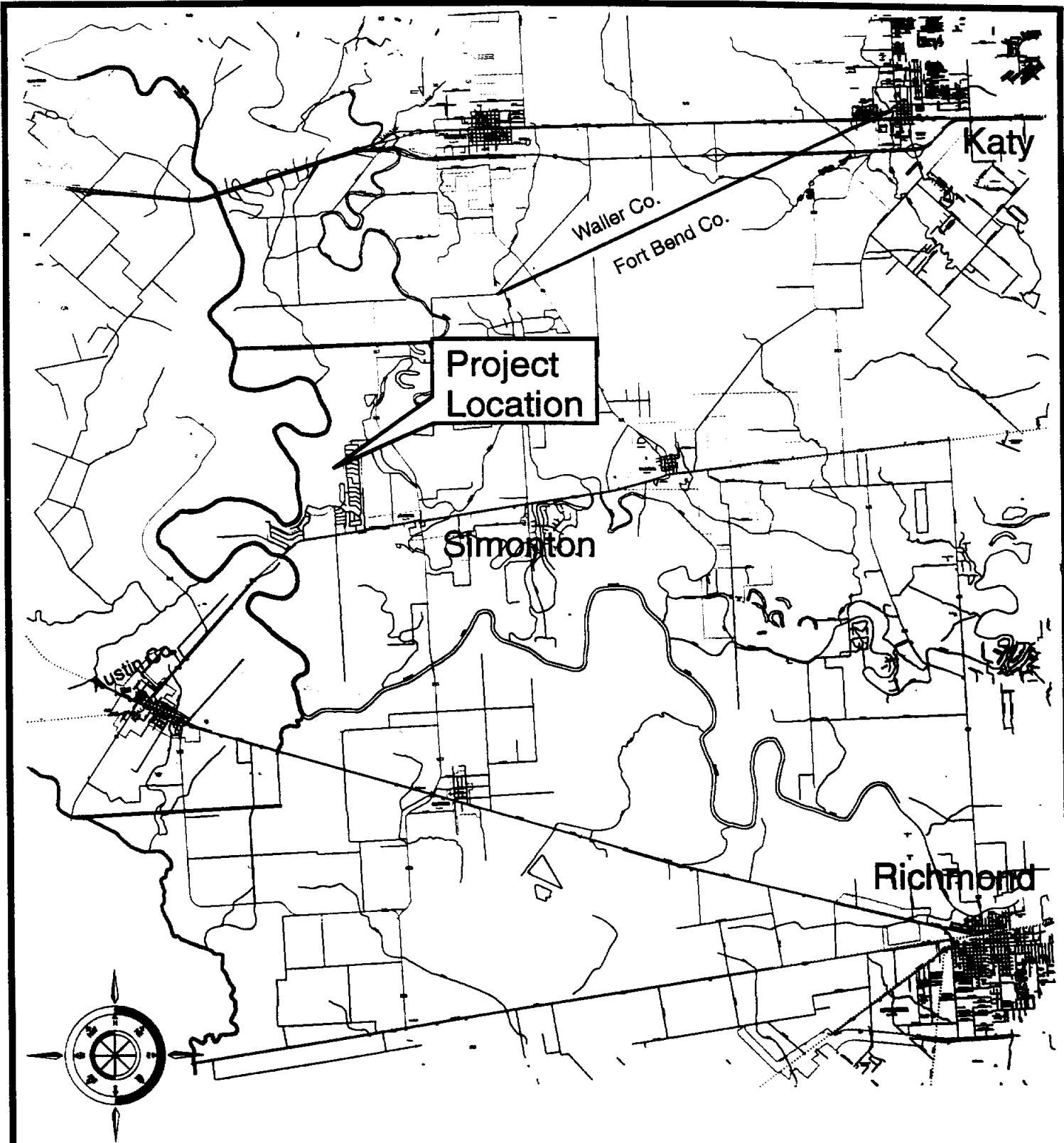


NOTE:
(I) Cross Sections "BE" (126.9), "BF" (127.7),
"BG" (135.4) are not in FEMA HEC-2 Model.



November, 1996

**Project Layout
Exhibit 3**

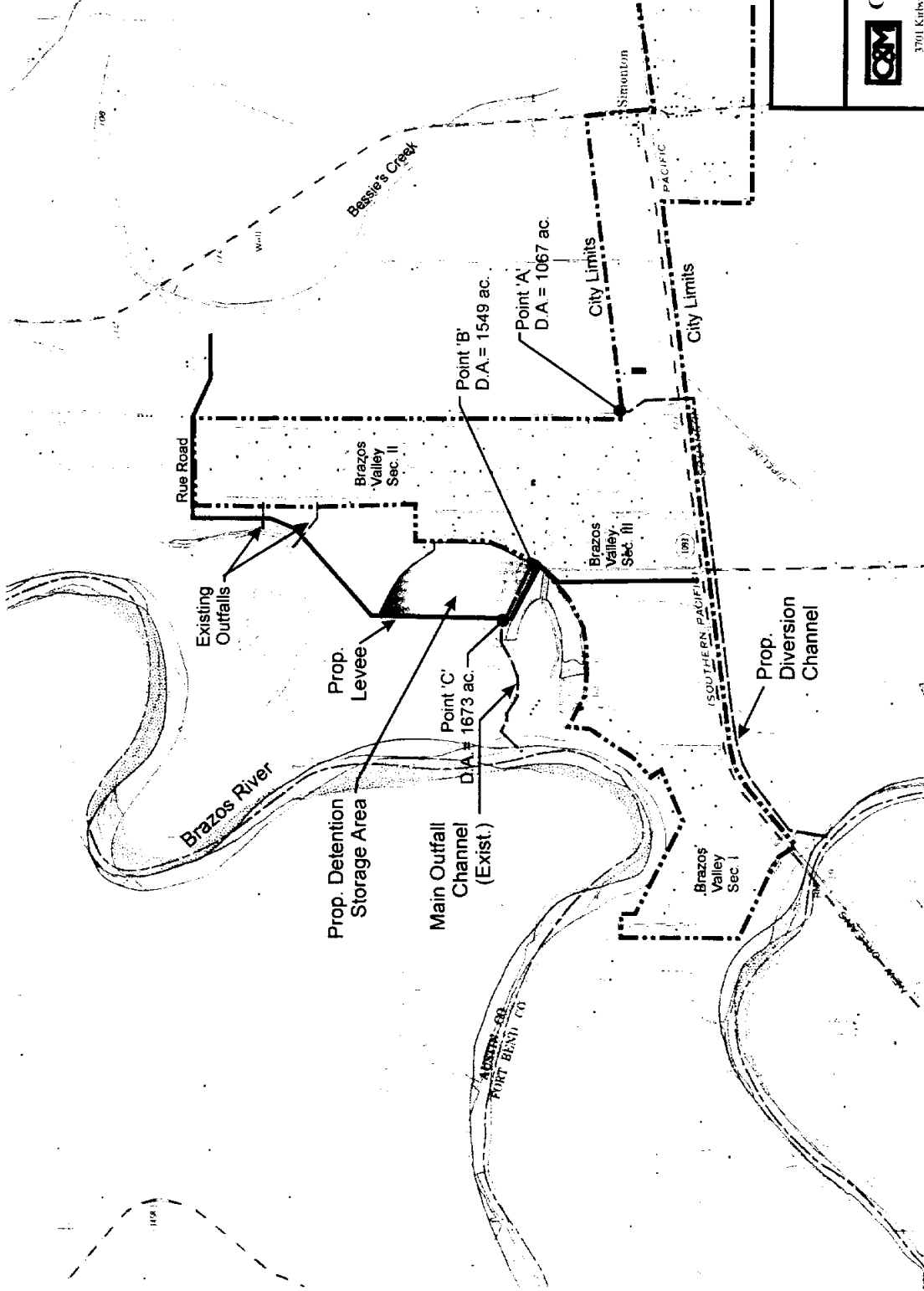


Vicinity Map
Exhibit 1

 **CLAUNCH & MILLER, INC.**
Consulting Engineers
3701 Kirby Drive, Suite 860 Houston, Texas (713) 524-7113



Scale: 1"=2000
(Approx.)



November, 1996

Project Layout Exhibit 3



CLAUNCH & MILLER, INC.
Consulting Engineers

3701 Kirby Drive, Suite 860 Houston, Texas 77019-3247-7113

FIGURE 2
HEC-2
CROSS SECTION LOCATIONS



1. HASKINS ROAD
2. LONGHORN ROAD
3. BRONCO ROAD
4. LITTLE DOGGIE ROAD
5. BOOTH ROAD
6. SHUP ROAD
7. LARIAT ROAD
8. SURREY ROAD
9. FORT BEND ROAD
10. CAVENOX ROAD
11. MAVERICK ROAD
12. TEJAS ROAD
13. COWHIDE DRIVE
14. TUMBLEWEED DRIVE
15. CAUGAR DRIVE
16. STOCKADE DRIVE
17. STOCKADE DRIVE
18. STOCKADE DRIVE

NOTE:
 (1) Cross Sections "BF" (126.9), "BF" (127.7),
 "BC" (135.4) are not in FEMA HEC-2 Model.

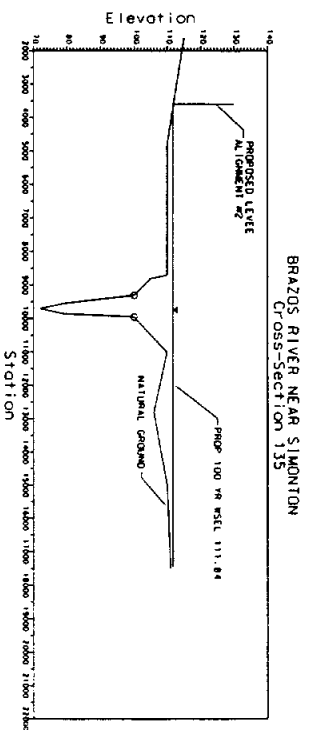
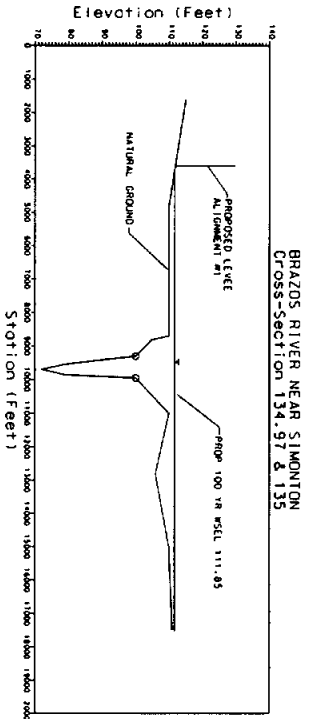
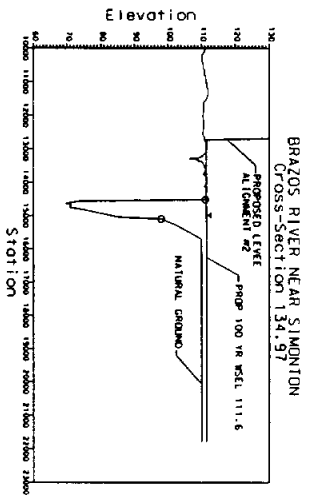
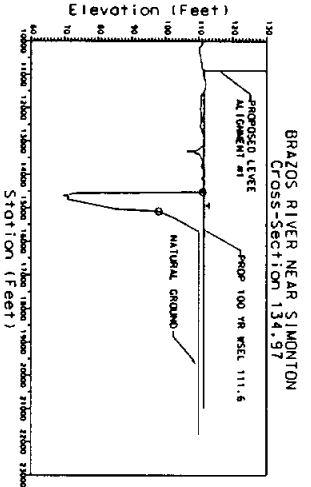


FIGURE 1



CLAUNCH & MILLER, INC.
Engineering Consultants

3701 Kirby Drive, Suite 860 • Houston, Texas 77098 • (713) 524-7113

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Natural Conditions
10, 50, 100, and 500 Year Frequency
EX_NAT.FHO

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:38:33 *
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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X X XXXXXXX XXXX XXXXX
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X X X X X X X X
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X X XXXXXXX XXXXX XXXXXXX

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1 11SEP96 15:38:33

PAGE 1

THIS RUN EXECUTED 11SEP96 15:38:33

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: ex_nat.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
			3						58.47	
J2	NPROP	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC		10 YR	50 YR	100 YR	500 YR	FLDWAY				
QT	7	181000	101000	157000	181000		242000	181000	181000	
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333		0.025	24473	0.025	24542
NH	34878	0.12	44078							0.06
X1	64.53	33.	24100.	24542.	0.		0.	0.		
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

1 11SEP96 15:38:33

PAGE 2

ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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PAGE 3

GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1			27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120		28189.	.025	29274.	.050
NH	33947.										
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.				
X4	1.	67.0	21500.								
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.	
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.	
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.	
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.	
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.	
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.	
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.	
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.			

ET		9.1	9.1	9.1	7.1			29200.	34500.	24941.	37643.
NC				.1	.3						
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050	
NH	37643.										
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.				
X4	1.	66.5	35000.								
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.	
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.	
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.	
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.	
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.	

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC				.1	.3						
ET		9.1	9.1	9.1	7.1			28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120		28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.						
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.				
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.	
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.	
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.	
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.	
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.	
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.	
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.	
GR	76.6	39410.	81.4	39584.							

ET		9.1	9.1	9.1	7.1			4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967		.120	8364	.050
NH	10200	.120	23660								
X1	83.18	38	7279	7967	4400	7200	7000				
X4	1	69.6	10200								
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.	
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.	
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.	
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.	
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.	
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.	
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.	
GR	82.2	21448.	77.6	21548.	78.2	23660.					

ET		9.1	9.1	9.1	7.1			13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150		.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083				
X1	83.81	45	16150	16750	2500	2935	3370				
X4	1	71	24100								
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350	
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200	
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500	
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300	
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750	
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100	
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655	
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450	
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083	

ET		9.1	9.1	9.1	7.1			17000	20366	14498	21500
NC	.06	.06	.025								

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5			29500	63	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				
ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
NC				.3	.5						

X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										15.
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.

X1	84.19				100.	100.	100.			
X2										15.
X2			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3						

X1	84.21	45	18700.	19866.	100.	100.				
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1			15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120	
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.		

X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										15.
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			

X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.		84.1	10635.		84.0
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC				.1	.3					
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC				.1	.3					
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

X4	2	105.	16400.	105.	18100.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	105	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370
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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								
ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				
"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.										
NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X1	100.09				30.	30.	30.				
X2			1	101.7	104.						00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4		
BT	31304.	104.5		31771.	99.5		32250.	100.8			
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.	
X1	100.10				100.	100.	100.				
NC			.025	.1	.3						
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05	
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700		
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.	
X1	102.1	56	20932	21400	8000	11500	10700				
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032	
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041	
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804	
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698	
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244	
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748	
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681	
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554	
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026	
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375	
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900	
GR	110.0	23700									
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025	
NH	21850.	.12	22700.								
ET					18.4						

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X1	105.5	14	20700	21850	13000	15150	17800				
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.		
GR	100	6000	100	6750	95	6900	95	7000	90	12700	
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200	
GR	100	22400	105	22500	110	22600	112	22700			
NC	.12	.12	.025								
ET					6.4						
X1	109.9	16	29100	29800	22000	12600	23100				
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450	
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200	
GR	90	31300	95	31400	100	31500	105	31600	110	31850	
GR	111	32600									
NC	.05	.05	.025								
ET					2.4						
X1	110.9	19	26400	27400	2430	5200	5300				
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.	
GR	95	25200	100	26050	100	26400	59	26700	49	26975	
GR	59	27250	80	27400	85	27500	90	27600	95	27650	
GR	100	27700	105	27750	110	28400	111	29200			
NC	.05	.12	.025								
ET					8.4						
X1	111.9	11	25150	25800	2800	4200	5500				
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450	
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000	
GR	117	27800									
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.		
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.	
X1	112.9	27	24700	25400	4400	5250	5300				
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.	
GR	100	16900	80	17050	100	17300	100	18700	95	19050	
GR	95	19550	100	20000	95	21600	95	21800	100	21900	
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200	
GR	100	25400	100	25850	95	26000	100	26150	105	26400	
GR	110	26550	115	28500							
NC	.05	.06	.025								
ET					16.4						
X1	114	26	15850	16750	5000	5000	5500				
GR	105	7299	105	7300	105	7400	100	7900	100	9000	
GR	100	10350	100	10500	105	10750	100	13150	105	13400	
GR	100	13500	100	13650	100	13850	105	13900	105	14050	
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250	
GR	90	16750	95	17150	100	17200	105	17300	110	17400	
GR	115	19500									

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12	
NH	27050.										
ET					16.4						
X1	117.8	21	24700	25650	20300	18700	20300				

X2			1	122.5		125						
X3	10											
BT	8	15200	110		15350	110		15450	111			
BT	15600	113		16050	125.1			16450	131.3		17210	
BT	132.82		18000	132.82								
ET					8.4							
X1	127.63				100	100	100					
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05		
NH	37300											
ET					7.4							
X1	127.9	15	34750	35700	800	1200	1100					
X4	2	105	31000	105	32000							
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100		
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450		
GR	120	36600	125	36700	130	36900	135	37100	130	37300		
1												
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NC	.05	.05	.025	.1	.3							
ET					10.4							
X1	129.9	14	25400	26000	8000	12000	10600					
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600		
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000		
GR	100	35100	105	35900	110	36200	125	36300				
ET					10.4							
X1	130.7	16	30300.	31200.	2400.	6000.	4200.					
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.		
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.		
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.		
GR	125.	44200.										
ET					9.4							
X1	132.2	14	22500	23200	4000	14000	7400					
GR	110	10000	108	19500	109	20000	105	20900	100	20950		
GR	95	21000	90	22200	90	22500	85	22700	76	22750		
GR	63	22900	76	23050	105	23200	110	29600				
ET					15.4							
X1	133.9	18	31500.	32450.	7000.	5000.	9000.					
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.		
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.		
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.		
GR	105.	35000.	110.	42000.	111.	43700.						
NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.			
ET					7.4							
X1	135.	14	9300.	9950.	7000.	3000.	7400.					
GR	115.	1600.	110.	4800.	110.	8500.	110.	8700.	105.	8800.		
GR	100.	9300.	79.0	9550.	72.0	9700.	79.0	9850.	100.	9950.		
GR	110.	11000.	106.	12800.	110.	15000.	111.	17500.				
NC	.05	.06	.025	.1	.3							
ET					7.1		23000.	30250.				
X1	137.1	15	23250.	23900.	5400.	4000.	11200.					
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.		
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.		
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.		
NC	.05	.05	.025	.1	.3							
ET					7.1		18844.	24925.				
X1	138.	13	19300.	19900.	3500.	3000.	4800.					
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.		
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.		
GR	110.	23800.	110.	25400.	113.	27100.						
1												
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NC	.05	.05	.025	.1	.3							
ET					7.1		21600.	25100.				
X1	139.	13	23000.	23700.	3400.	5000.	5200.					
X4	3	110	23020	105	23040	100	23100					
GR	115	10000	113	15000	115	18800	115	20800	110	21000		
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650		
GR	115	23700	115	24100	115.1	25200						
1												
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SBCNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	BNDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSL= 68.36

STA= 18997. 19866.
PER Q= 100.0
AREA= 16450.7
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSL= 68.38

STA= 18996. 19866.
PER Q= 100.0
AREA= 16464.2
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSL= 68.41

STA= 18995. 19866.
PER Q= 100.0
AREA= 16487.5
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSL= 68.43

STA= 18995. 19866.
PER Q= 100.0
AREA= 16498.5
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSL= 69.29

STA= 15932. 16792.
PER Q= 100.0
AREA= 19248.4
VEL= 5.2
DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
			4							
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.
			2							

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
PER Q= .6 .4 .1 97.7 1.2
AREA= 2080.9 1557.4 332.2 19892.9 2598.5
VEL= .4 .4 .4 7.7 .7
DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
PER Q= .6 .4 .0 97.7 1.3
AREA= 2131.4 1595.3 82.2 19916.6 2572.2
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
PER Q= .6 .5 .0 97.6 1.3
AREA= 2247.0 1681.9 86.7 19970.0 2633.0
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
PER Q= .7 .5 .1 97.4 .0 1.3
AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
VEL= .4 .4 .4 7.6 .2 .8
DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSL= 74.03

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
			8						58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 9304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
6 58.47
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
PER Q= 3.4 .4
AREA= 9440.4 788.8
VEL= .9 1.1
DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 76.33

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
PER Q= 3.5 .4
AREA= 9557.8 799.5
VEL= .9 1.1
DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:38:38

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SBCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	BG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49129289.20	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SBCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	BG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00	
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70	
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44	

126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079	57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903	15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637	08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405	02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727	95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525	80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007	93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411	06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770	20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627	84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130	50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428	01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863	04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947	45118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506	85166575.70

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SECNO	XLCH	ELTRD	ELLCC	ELMIN	Q	CWSEL	CRISW	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433	53109439.30
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907	29104909.50
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084	88119228.80
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663	42166960.50
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323	89 86550.90
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237	45130420.50
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422	30150629.00
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991	35202610.70
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068	60 74453.52
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892	80185462.20
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223	60326455.20
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206	60392069.30
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292	05109273.60
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356	20252713.40
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727	60326455.20
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892	60523692.40
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855	20122905.80
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038	89185102.40
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564	90221363.00
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781	10324467.30
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986	90108463.30
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087	37198303.20
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091	10243434.90
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947	10363687.40
* 135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302	18 75053.46
* 135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.09	7.82	41337	72108557.30
* 135.000	7400.00	.00	.00	72.00	181000.00	111.85	.00	112.69	2.08	8.03	58178	21125519.20
* 135.000	7400.00	.00	.00	72.00	242000.00	114.57	.00	115.29	1.90	8.15	98275	18175471.30
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625	18 68618.44
137.100	11200.00	.00	.00	73.50	157000.00	112.83	.00	113.45	1.89	7.17	55669	68114091.80
137.100	11200.00	.00	.00	73.50	181000.00	113.99	.00	114.57	1.81	7.22	70860	89134558.80
137.100	11200.00	.00	.00	73.50	242000.00	116.36	.00	116.85	1.65	7.30	104316	10188139.40
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213	48 62126.25
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54518	55108229.20
138.000	4800.00	.00	.00	68.00	181000.00	114.79	.00	115.38	1.95	7.45	70239	35129472.20
138.000	4800.00	.00	.00	68.00	242000.00	117.08	.00	117.52	1.64	7.22	105338	00188731.10
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991	20 70847.50
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.68	8.28	30419	78 95973.58
139.000	5200.00	.00	.00	62.50	181000.00	115.64	.00	116.65	2.76	8.61	43972	00109044.40
139.000	5200.00	.00	.00	62.50	242000.00	117.77	.00	118.61	2.53	8.69	76279	88152084.70

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00

65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00

*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	1600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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	SECNO	Q	CWSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
	81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
	81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
	81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
*	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
*	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
*	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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	SECNO	Q	CWSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
	88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
	88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
	88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00

92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIPKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
* 99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
* 100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
* 100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIPKWS	TOPWID	XLCH
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100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00

127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIPKWS	TOPWID	XLCH
* 129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.27	4.23	12052.13	7400.00
* 135.000	181000.00	111.85	1.26	.17	.00	13886.90	7400.00
* 135.000	242000.00	114.57	2.72	.08	.00	15625.95	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.83	4.33	2.24	4.33	12461.97	11200.00
137.100	181000.00	113.99	1.16	2.14	.00	13475.62	11200.00
137.100	242000.00	116.36	2.37	1.79	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.85	4.18	13314.64	4800.00
138.000	181000.00	114.79	1.11	.79	.00	14980.97	4800.00
138.000	242000.00	117.08	2.30	.72	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10038.01	5200.00
139.000	181000.00	115.64	1.00	.86	.00	15200.00	5200.00
139.000	242000.00	117.77	2.12	.68	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO=	67.350	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	67.350	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	67.350	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	67.350	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	68.940	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	68.940	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	68.940	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	68.940	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	71.600	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	71.600	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	71.600	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	79.770	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	79.770	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	79.770	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	79.770	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Existing Natural Conditions - Alignment #1
10, 50, 100, and 500 Year Frequency
EX_NATA1.FHO


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*****
* HEC-2 WATER SURFACE PROFILES
*
* Version 4.6.2; May 1991
*
* RUN DATE 11SEP96 TIME 15:39:13
*****

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* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616-4687
* (916) 756-1104
*
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PAGE 1

THIS RUN EXECUTED 11SEP96 15:39:13

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: ex_natal.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATAL.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3							58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC	10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000	181000	
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				1	3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	17358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.

GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.
JR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
JR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	120	36129.	
X1	66.65	46	19150	19600	2300	2700	7900			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.1					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.

GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.
GR	58.5	39540.	60.6	39595.	50.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	53.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	50.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5	29500		63		
BT	31007	69.6	60.0	31007.5	69.6	31623.5	69.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				

ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				

ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		

ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						

ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
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NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120
NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	1700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	54.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC				.1	.3					
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	9000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
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NC	36	36	025							
X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
JR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.3	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75	18626.	75.5	19700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC										
X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										15.
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			
X2										15.
X2			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										15.
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3024.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		
ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.

GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.
GR	63.7	42526.	73.3	42544.	74.	42679.	83.2	44523.	86.	46203.
ET		9.1	9.1	9.1	7.1		17800.	20680.	14324.	21385.
NH	7.	.050	12812.	.060	18000.	.120	18959.	.025	19515.	.060
NH	22000.	.050	27266.	.060	30148.					
X1	87.61	43.	18959.	19515.	3800.	3000.	3700.			
X4	1.	73.7	22000.							
GR	83.1	8664.	78.7	8917.	75.9	9312.	78.8	9812.	75.5	11312.
GR	74.4	12812.	76.5	13312.	73.9	13812.	77.7	14324.	75.5	15000.
GR	76.	17000.	76.1	17500.	78.1	17563.	67.7	17591.	65.8	18000.
GR	66.4	18021.	62.7	18101.	68.	18500.	61.1	18959.	42.2	18992.
GR	36.3	19012.	35.4	19032.	38.3	19092.	35.8	19232.	38.	19272.
GR	39.5	19312.	42.2	19372.	46.8	19450.	75.6	19515.	70.	19806.
GR	68.5	20641.	66.1	20805.	70.1	20868.	67.8	21067.	77.4	21385.
GR	74.2	21503.	73.1	22503.	74.8	23531.	73.4	26061.	75.4	26311.
GR	72.5	27266.	72.8	28632.	76.1	30148.				

ET		9.1	9.1	9.1	7.1		20476.	25050.	19650.	26532.
NH	7.	.050	15500.	.060	19650.	.050	22300.	.120	24095.	.025
NH	24550.	.050	30653.	.120	32839.					
X1	88.3	34.	24095.	24550.	1500.	3000.	3600.			
X4	1.	65.0	22300.							
GR	83.	12359.	83.	12360.	78.7	12600.	75.	13500.	76.	14930.
GR	78.	15500.	76.	16350.	76.	17500.	78.	19650.	68.	19700.
GR	68.	20500.	60.	20950.	69.	21200.	72.	21550.	54.	23200.
GR	67.6	24095.	47.8	24139.	40.5	24159.	37.1	24179.	39.1	24219.
GR	41.7	24279.	42.6	24319.	44.1	24359.	47.7	24392.	58.7	24524.
GR	76.5	24550.	76.4	26520.	77.6	26532.	76.2	26890.	74.9	29830.
GR	74.	30653.	76.6	32111.	77.	32559.	78.3	32839.		

ET		9.1	9.1	9.1	7.1		22953.	24711.	21234.	26306.
NH	5.	.050	23453.	.025	24109.	.050	24720.	.060	28728.	.050
NH	34316.									
X1	89.55	28.	23453.	24109.	4800.	4600.	6600.			
GR	82.8	20145.	76.6	20415.	79.3	21234.	76.4	21591.	78.1	23453.
GR	71.3	23486.	44.2	23540.	27.4	23580.	34.3	23660.	34.7	23680.
GR	38.8	23720.	37.7	23740.	43.2	23840.	44.2	23868.	56.2	24056.
GR	60.8	24109.	69.1	24720.	75.7	26000.	72.6	26206.	85.	26306.
GR	81.	27072.	80.8	28150.	81.5	28728.	78.7	30126.	78.	33074.
GR	79.1	34032.	76.3	34210.	79.5	34316.				

ET		9.1	9.1	9.1	7.1		23000.	23800.	22400.	24400.
NC				.3	.5					
NH	4.	.120	23079.	.025	23659.	.060	26800.	.050	30400.	
X1	90.19	22.	23079.	23659.	3000.	1000.	3400.			
GR	81.	22400.	71.3	22531.	74.2	22711.	61.4	23079.	44.2	23129.
GR	41.	23149.	41.7	23169.	41.8	23209.	39.6	23389.	40.1	23409.
GR	37.6	23529.	38.4	23569.	42.	23609.	51.	23625.	63.3	23659.
GR	71.	23800.	80.	24400.	72.	26100.	81.	26800.	81.	27400.
GR	78.5	29200.	79.0	30400.						

ET		9.1	9.1	9.1	7.1		34599.	36287.	22438.	36769.
NH	5.	.120	31515.	.050	33718.	.120	35099.	.025	35787.	.060
NH	42501.									
X1	91.52	35.	35099.	35787.	2400.	3700.	7000.			
GR	87.6	22438.	81.7	22465.	82.9	22787.	83.4	23293.	80.5	25821.
GR	82.1	27269.	87.5	27325.	84.6	27434.	80.2	27827.	82.8	30470.
GR	83.5	30685.	80.7	31319.	78.1	31515.	80.5	31865.	82.	32829.
GR	86.3	33201.	86.5	33643.	76.9	33718.	79.5	34471.	77.9	35099.
GR	69.2	35247.	41.4	35447.	35.9	35587.	38.2	35627.	33.4	35647.
GR	82.7	35787.	81.8	36769.	76.9	38451.	77.5	39412.	69.9	39432.
GR	88.5	39716.	97.1	40390.	97.8	42060.	100.1	42353.	102.5	42501.

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
NC	.08	.06	.025							
X1	92.13	54.	11905.	12668.	2000.	3400.	3200.			
GR	87.6	00	81.7	27.	83.4	855.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	87.1	4887.
GR	84.6	4996.	80.5	5210.	81.8	5478.	80.7	5697.	77.5	6095.
GR	75.0	6405.	81.9	7325.	81.9	7336.	81.0	7406.	80.3	7952.
GR	80.9	8343.	81.1	8763.	81.2	8886.	80.4	9446.	80.8	10085.
GR	81.5	10635.	82.1	11081.	83.5	11365.	84.0	11475.	84.2	11579.
GR	79.4	11792.	79.4	11905.	69.6	12068.	67.9	12094.	67.0	12244.
GR	44.1	12290.	36.3	12329.	33.8	12401.	33.7	12429.	25.8	12509.
GR	35.5	12549.	44.1	12560.	66.5	12615.	88.5	12668.	90.9	12803.
GR	91.6	12856.	92.4	13058.	93.3	13403.	93.8	13617.		

ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
NC			0.025	.3	.5					
X1	92.15				100.	100.	100.			

X3	10										
SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8	
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.	
X1	92.17			92.1	48.	48.	48.				
X2			1.		96.0						
X3	10										
BT	30.	00	87.6		27.	81.7		855.	83.4		
BT	275.	78.9		1089.	82.4		1681.	82.6		2179.	
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5	
BT		3982.	82.8		4382.	80.0		4612.	82.8		
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.	
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6	
BT		8763.	83.2		10085.	84.1		10635.	84.0		
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.	
BT	95.8	91.9	12668.	95.8	98.5	12856.	92.5		13403.	93.1	
BT											

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.	
X1	92.19				100.	100.	100.				
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.	
X1	92.27	43.	12164.	12892.	400.	400.	400.				
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.	
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.	
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.	
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.	
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	92.8	11175.	
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.	
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.	
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.	
GR	85.2	13168.	86.2	13555.	87.0	13900.					

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.	
X1	92.29				100.	100.	100.				
X3	10										

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0	
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.	
NC	.080	.060	.025								
X1	92.30				20.	20.					
X2			1.	90.0	93.3						
X3	10										
BT	18	4857.	81.3		4887.	87.6		5668.	87.5		
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.	
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6	
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2	
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.	
BT	90.2		13900.	89.0							

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.	
NC	.08	.06	.025								
X1	92.32				100.	100.	100.				

ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.	
NC			.1	.3							
NH	3.	.050	27170.	.025	27692.	.060	29603.				
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.				
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.	
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.	
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.	
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.	
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.	
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.	
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.	

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.	
NC			.1	.3							
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025	
NH	21220.	.120	27250.								
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.				
X4	1.	86.5	11500.								
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.	
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.	
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.	
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.	
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.	
GR	17.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.	
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.	
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.	
GR	95.	27250.									

NC	.05	.05	.026	.1	.3						
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050	
NH	19446	0.12	20176	.025	20800	0.12	24004	.050	25490		
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.	

X1	94.98	52.	20376.	20800.	4900.	3500.	1400.			
GR	92.8	1000.	89.5	1538.	31.8	1948.	90.2	3220.	85.3	3901.
GR	39.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.3	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	39.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	95.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	33.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC				.1	.3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	10796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							

ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.09				30.	30.	10.			
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1481		1571	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	5818	95.4	7986	97.6	8421	97.1	8553	90.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	96.6	12384	86.1	12654	92.9	12748
GR	94.3	12830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					

X1	117.8	21	24700	25650	20300	18700	20300			
X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	12800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
BT					7.11		16050	17350		

X1	127.62				28	28	28			
X2			1	122.5	125					
X3	10									
BT	3	15200	110		15350	110		15450	111	
BT	15600	113		16050	125.1		16450	131.3		17210
BT	132.82		18000	132.82						
ET					9.4					
X1	127.63				100	100	100			
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05
NH	37300									
ET					7.4					
X1	127.9	15	34750	35700	800	1200	1100			
X4	2	105	31000	105	32000					
GR	110	28300	108	31500	125	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	130	36900	135	37100	130	37300

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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	8000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		
ET					10.4					
X1	130.7	16	30300.	31200.	2400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								
ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		
ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Levee alignment #1 has been added to the natural model at this point.

NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.	
ET					7.4					
X1	135.	16	9300.	9950.	7000.	3000.	7400.			
GR	130	1600.	130	4800.	130	5700	110	5700	110.	8500.
GR	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.
GR	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.
GR	111.	17500.								
NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5400.	4000.	11200.			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.
NC	.05	.05	.025	.1	.3					
ET					7.1		18844.	24925.		
X1	138.	13	19300.	19900.	3500.	3000.	4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.
GR	110.	23800.	110.	25400.	113.	27100.				

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NC	.05	.05	.025	.1	.3					
ET					7.1		21600.	25100.		
X1	139.	13	23000.	23700.	3400.	5000.	5200.			
X4	3	110	23020	105	23040	100	23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650
GR	115	23700	115	24100	115.1	25200				

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA1.PH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
									58.47	
		4								
J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
										00.
		2	-1							

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2631.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3

AREA= 2301.3 1722.5 367.4 19994.7 92.5 2648.3
 VEL= .4 .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 35.10 CWSSEL= 74.03

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .3 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACB
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.69

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 6 58.47
 J2 NPROF IPLOT PRPVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27
 STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29
 STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30
 STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

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SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88
 STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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***** THIS RUN EXECUTED 11SEP96 15:39:18
 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
54.530	.00	.00	.00	5.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
54.530	.00	.00	.00	5.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
54.530	.00	.00	.00	5.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
54.530	.00	.00	.00	5.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	9.45	51529.32 98776.33	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43173571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72172720.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	

99.560 13900.00 .00 .00 34.90 242000.00 93.25 .00 93.96 1.54 8.37 108075.50194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSSEL	CRWS	EG	10*KS	VCH	AREA	.01X
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.70240377.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSSEL	CRWS	EG	10*KS	VCH	AREA	.01X
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30	
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358113.30	
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80

124.800	5000.00	.00	.00	51.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70
124.800	5000.00	.00	.00	51.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00
124.800	5000.00	.00	.00	51.00	242000.00	110.67	.00	110.33	.91	5.79	157152.40253555.20
126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.81	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	59637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.502240769.80	
129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.09	7.82	40687.30108487.60	
135.000	7400.00	.00	.00	72.00	181000.00	111.85	.00	112.69	2.10	8.07	55322.94124791.60	
135.000	7400.00	.00	.00	72.00	242000.00	114.53	.00	115.32	2.03	8.42	87011.75169869.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.83	.00	113.45	1.89	7.17	55703.34114134.60	
137.100	11200.00	.00	.00	73.50	181000.00	114.01	.00	114.59	1.80	7.20	71115.17134919.40	
137.100	11200.00	.00	.00	73.50	242000.00	116.45	.00	116.93	1.61	7.22	105582.50190442.50	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54538.67108255.40	
138.000	4800.00	.00	.00	68.00	181000.00	114.80	.00	115.39	1.95	7.44	70454.38129772.70	
138.000	4800.00	.00	.00	68.00	242000.00	117.15	.00	117.58	1.61	7.16	106267.20190520.10	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.68	8.28	30429.43 95983.13	
139.000	5200.00	.00	.00	62.50	181000.00	115.65	.00	116.66	2.75	8.60	44125.89109207.90	
139.000	5200.00	.00	.00	62.50	242000.00	117.82	.00	118.65	2.49	8.62	77137.23153442.20	

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO Q CWSEL DIFWSP DIFWSX DIFKNS TOPWID XLCH

64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	

77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	3983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00	
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00	
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00	
80.450	242000.00	71.28	1.88	.97	.00	17916.07	3600.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00	
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00	
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00	
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00	
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00	
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00	
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00	
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00	
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00	
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00	
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00	
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00	
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00	
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00	
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00	
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00	
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00	
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00	
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00	
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00	
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00	
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00	
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00	
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00	
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00	
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00	
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00	
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00	
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00	
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00	
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00	
89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00	
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00	
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00	
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00	
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00	
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00	
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00	
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00

*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	541.62	3200.00
	92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
	92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
	92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
	92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
	92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
	92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
	92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
	92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
	92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
	92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
	92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
	92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
	92.190	157000.00	80.13	5.93	.03	5.83	887.95	100.00
	92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
	92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
	92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
	92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
	92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
	92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
	92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
	92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
	92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
	92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKMS	TOPWID	XLCH	
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00	
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00	
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00	
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00	
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00	
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00	
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00	
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00	
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00	
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00	
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00	
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00	
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00	
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00	
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00	
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00	
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00	
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00	
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00	
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00	
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00	
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00	
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00	
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00	
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00	
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00	
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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PAGE 39

SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
* 126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
* 126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
* 126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00

127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00	
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
*	135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
*	135.000	157000.00	110.59	4.23	.26	4.23	10772.72	7400.00
*	135.000	181000.00	111.85	1.26	.17	.00	11800.00	7400.00
*	135.000	242000.00	114.53	2.69	.05	.00	11800.00	7400.00
	137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
	137.100	157000.00	112.83	4.34	2.25	4.34	12465.86	11200.00
	137.100	181000.00	114.01	1.18	2.17	.00	13490.14	11200.00
	137.100	242000.00	116.45	2.44	1.92	.00	14250.00	11200.00
	138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
	138.000	157000.00	113.68	4.18	.84	4.18	13316.90	4800.00
	138.000	181000.00	114.80	1.12	.79	.00	15002.48	4800.00
	138.000	242000.00	117.15	2.35	.70	.00	15300.00	4800.00
	139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
	139.000	157000.00	114.65	3.74	.97	3.74	10042.52	5200.00
	139.000	181000.00	115.65	1.01	.85	.00	15200.00	5200.00
	139.000	242000.00	117.82	2.17	.67	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Existing Natural Conditions - Alignment #2
10, 50, 100, and 500 Year Frequency
EX_NATA2.FHO

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:40:20 *
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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THIS RUN EXECUTED 11SEP96 15:40:20

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: ex_nata2.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "BT" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSBL	PQ
		3							58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC	10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000		
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.				
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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BT		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.9	39445.	51.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18900					
GR	55.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	19540.	60.6	19595.	60.9	41243.	49.5	41371.	60.5	41426.	
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.	
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.			
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025								
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.				
X4	2	56.3	27100.	57.1	32750.						
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.	
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.	
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.	
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.	
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.	

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GR	59.1	49890.	65.0	50080.	70.0	50330.					
ET			9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				50.	50.	50.				
X2			1.0	66.3	56.5						
BT	15	27000	70		27100	62.5		29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9	
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC					.3	.5					
X1	71.28				100	100	100				
ET					7.1		21000	27727	21000	29646	
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					

ET					7.1		17248.	25698.	14300.	28074.	
NC				.3	.5						
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050	
NH	28074.	.06	29039.								
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.				
X4	2	61.0	14400.	60.0	14900.						
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.	
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.	
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.	
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.	
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.			
ET					7.1		10293.	21200.			
NC				.1	.3						
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025	
NH	20224.	.06	24630.								
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.				
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.	
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.	
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.	
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.	
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.	
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.	
GR	61.2	23461.	66.8	24630.							

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ET			9.1	9.1	9.1	7.1	10403.	21707.	6000.	24676.	
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12	
NH	15500.	.05	24676.								
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.				
X4	1	60.4	12200.								
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.	
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.	
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.	
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.	
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.	
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.	
GR	61.5	24450.	66.9	24676.							
ET			9.1	9.1	9.1	7.1	16800.	25153.	11347.	28626.	
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120	

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	1700.	900.	2300.			
X4	1.	55.7	8000.							
GR	72.	6450.	64.9	6450.	55.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	3574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						
ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		
ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								
NC				.1	.3					
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						
ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				
ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.5	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083
ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC				.3	.5					
X1	84.17	45	18700.	19866.	100.	100.	100.			

X2										15.
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31170.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			
X2										15.
X4			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			

X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			

X2										15.
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.		83.2	8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			

ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	92.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			

ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC				.1	.3					
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC				.1	.3					
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	19.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.050	.026		.1	.3				
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.3	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.9	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	93.1	16552.	84.1	17694.
JR	95.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1					
X1	95.61	50.	21800.	22480.	3600.	3200.	21800.	22480.	21784.	23677.
X4	2	93	1300	83.4	16000		3300.			
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1					
X1	96.93	35.	25884.	26400.	4400.	5900.	25884.	26400.	23893.	29050.
GR	96.9	11107.	96.9	11150.	96.9	11200.	7000.			
GR	91.5	12736.	94.	13107.	92.9	14595.	92.1	12632.	86.2	12650.
GR	88.4	17565.	89.1	18255.	81.4	18685.	89.4	15497.	89.9	15899.
GR	90.7	22099.	88.4	23333.	64.8	23511.	87.	19181.	88.3	20647.
GR	90.4	23893.	87.3	25884.	40.	26009.	76.5	23565.	89.7	23783.
GR	29.4	26192.	29.5	26252.	40.	26009.	32.4	26032.	28.3	26132.
GR	100.3	26673.	92.8	27223.	95.7	27318.	74.5	26382.	84.6	26400.
							101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1					
X1	99.56	59.	31242.	31722.	10000.	14400.	30000.	31759.	23018.	32136.
X4	1	97.5	4000				13900.			
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1					
X1	100.07	32.	30624.	31664.	3100.	2700.	29500.	32250.	18534.	32250.
GR	92.2	15722.	92.2	15723.	92.2	15724.	2500.	92.8	18534.	90.6
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09				30.	30.	30.			
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	11104.	104.5		11771.	99.5		12250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	95.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	11150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	54.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38250.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125					
X3	10									
BT	8	15200	110		15350	110		15450	111	
BT	15600	113		16050	125.1		16450	131.3		17210
BT	132.82		18000	132.82						
ET					8.4					
X1	127.63				100	100	100			
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05
NH	37300									
ET					7.4					
X1	127.9	15	34750	35700	800	1200	1100			
X4	2	105	31000	105	32000					
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	130	36900	135	37100	130	37300

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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	8000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		

ET					10.4					
X1	130.7	16	30300.	31200.	2400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								

ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		

ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Levee alignment #2 has been added to the natural model at this point.

NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.	
ET					7.4					
X1	135.	16	9300.	9950.	7000.	3000.	7400.			
GR	130	1600.	130	4800.	130	7500	110	7500	110.	8500.
GR	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.
GR	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.
GR	111.	17500.								

NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5400.	4000.	11200.			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.

NC	.05	.05	.025	.1	.3					
ET					7.1		18844.	24925.		
X1	138.	13	19300.	19900.	3500.	3000.	4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.
GR	110.	23800.	110.	25400.	113.	27100.				

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NC	.05	.05	.025	.1	.3					
ET					7.1		21600.	25100.		
X1	139.	13	23000.	23700.	3400.	5000.	5200.			
X4	3	110	23020	105	23040	100	23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650
GR	115	23700	115	24100	115.1	25200				

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SECNO DEPTH CWSL CRWS WSELK EG HV HL OLOSS L-BANK ELEV

Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

1
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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.PH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROP	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2613.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 167.4 19994.7 82.5 2648.3

VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 95.10 CWSSEL= 74.03

1

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SECNO	DEPTH	CWSSEL	CRINS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = BX_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.69

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SECNO	DEPTH	CWSSEL	CRINS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
6 58.47
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
VEL= .9 .9 1.1 1.0 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
PER Q= 3.4 .4
AREA= 9440.4 788.8
VEL= .9 1.1
DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 76.33

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SECNO	DEPTH	CWSSEL	CRIMS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
PER Q= 3.5 .4
AREA= 9557.8 799.5
VEL= .9 1.1
DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:40:26

HRC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.77	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	161332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	

74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.98	108999.10157101.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	61.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30 63017.20	
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81 89680.11	
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37 74840.03	
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41 93500.73	
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37 78930.41	
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81122218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81 66609.88	
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61 98445.86	
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71 80054.75	
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76 94782.58	
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16 80093.68	
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74 94860.26	
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49 80161.47	
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59 95202.61	
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64 80193.55	
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80 95448.02	
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43 89222.84	
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.37	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
* 86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
* 86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
* 86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
* 87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
* 87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
* 87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
* 87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68603.95	
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
* 100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240377.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.68144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20233584.30	
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30	
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136316.70	

124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	5.01	99105.36169292.00
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20
* 126.800	10900.00	.00	.00	54.00	131000.00	101.55	.00	101.93	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.80	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.1194718987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	ARBA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
* 129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
* 135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.10	7.83	39616.47108382.30	
* 135.000	7400.00	.00	.00	72.00	181000.00	111.84	.00	112.70	2.13	8.12	51923.44124069.10	
* 135.000	7400.00	.00	.00	72.00	242000.00	114.51	.00	115.34	2.11	8.57	78601.37166649.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.84	.00	113.46	1.89	7.17	55754.72114199.80	
137.100	11200.00	.00	.00	73.50	181000.00	114.03	.00	114.60	1.79	7.19	71370.05135281.30	
137.100	11200.00	.00	.00	73.50	242000.00	116.50	.00	116.97	1.59	7.18	106338.50191826.40	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54568.74108294.50	
138.000	4800.00	.00	.00	68.00	181000.00	114.82	.00	115.40	1.94	7.42	70670.52130074.90	
138.000	4800.00	.00	.00	68.00	242000.00	117.20	.00	117.62	1.59	7.11	107114.70192161.00	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.67	8.28	30443.84 95997.46	
139.000	5200.00	.00	.00	62.50	181000.00	115.66	.00	116.67	2.74	8.59	44280.47109372.60	
139.000	5200.00	.00	.00	62.50	242000.00	117.85	.00	118.67	2.46	8.59	77592.39154167.10	

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BRAZOS RIVER FLOODWAY
SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
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64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26399.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSBL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	

*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.98	.87	.00	17916.07	3600.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00	
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00	
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00	
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00	
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15344.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
*	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
*	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
*	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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PAGE 37

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00	
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00	
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00	
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00	
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00

*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.95	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
	92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
	92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
	92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
	92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
	92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
	92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
	92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
	92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
	92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
	92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
	92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
	92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
	92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
	92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
	92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
	92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
	92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
	92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
	92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
	92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
	92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
	92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
	92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CMSRL	DIPWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00	
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00	
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00	
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00	
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00	
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00	
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00	
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00	
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00	
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00	
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00	
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00	
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00	
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00	
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00	
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00	
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00	
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00	
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00	
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00	
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00	
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00	
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00	
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00	
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00	
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00	
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	90.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
* 126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
* 126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
* 126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00

127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5837.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.95	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.26	4.23	8969.80	7400.00
* 135.000	181000.00	111.84	1.25	.16	.00	10000.00	7400.00
* 135.000	242000.00	114.51	2.67	.02	.00	10000.00	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.84	4.34	2.25	4.34	12471.78	11200.00
137.100	181000.00	114.03	1.19	2.19	.00	13504.69	11200.00
137.100	242000.00	116.50	2.47	2.00	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.84	4.18	13120.29	4800.00
138.000	181000.00	114.82	1.14	.79	.00	15024.07	4800.00
138.000	242000.00	117.20	2.38	.69	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10049.24	5200.00
139.000	181000.00	115.66	1.02	.85	.00	15200.00	5200.00
139.000	242000.00	117.85	2.19	.66	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model
10, 50, 100, and 500 Year Frequency
RE_NATL.FHO

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* HEC-2 WATER SURFACE PROFILES
*
* Version 4.6.2; May 1991
*
* RUN DATE 11SEP96 TIME 15:40:57
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* U. S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616-4687
* (916) 756-1104
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11SEP96 15:40:57

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.....
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
.....

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THIS RUN EXECUTED 11SEP96 15:40:57

Filename: re_natl.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

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T1 BRAZOS RIVER RBSTUDY ,FLOODWAY DETERMINATION FILENAME = RE NATL.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSBL	PQ
									58.47	
J2	NPROP	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC		10 YR	50 YR	100 YR	500 YR	PLDWAY				
QT	7	181000	101000	157000	181000	242000	181000	181000		
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	51.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65		19150		19600		2700		7800	
X4	2	54.3	16200		54.9		18800			
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	33445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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PAGE 3

GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

JR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	52.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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PAGE 4

GR	59.1	49890.	55.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5		29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				
ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC			.1	.3						
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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PAGE 5

ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	54.9	5450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	57.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	54.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	53.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	55.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						
ET		9.1	9.1	9.1	7.1					
NH	5.	.120	13790.	060	21500.	.120	27689.	33064.	20363.	33947.
NH	33947.						28189.	.025	29274.	.050
X1	79.77	39.	28189.	29274.	5900.	7600.				
X4	1.	57.0	21500.				13300.			
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	21.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		
ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC										
NH	5.	.060	21591.	.1	.3					
NH	37643.		.120	29700.	.025	30675.	.120	35000.	.050	
X1	80.45	31.	29700.	30675.	3800.	3700.				
X4	1.	66.5	35000.				1600.			
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								
NC				.1	.3					
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						
ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				
ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083
ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	84.15	45.	18700.	19866	2000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC				3	5					
X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										15.

X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			
X2										15.
X4			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										15.

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										15.
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X2	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	10.	00	87.6		27.	31.7	855.	83.4		
BT	975.	78.9		1089.	82.4		1681.	82.6	2379.	
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	98.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	35.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12471.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1					
X1	95.61	50.	21800.	22480.	3600.	3200.	21800.	22480.	21784.	23677.
X4	2	93	1300	83.4	16000		3300.			
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1					
X1	96.93	35.	25884.	26400.	4400.	5900.	25884.	26400.	23893.	29050.
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1					
X1	99.56	59.	31242.	31722.	10000.	14400.	30000.	31759.	23018.	32136.
X4	1	97.5	4000				13900.			
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1					
X1	100.07	32.	30624.	31664.	3100.	2700.	29500.	32250.	18534.	32250.
GR	92.2	15722.	92.2	15723.	92.2	15724.	2500.	92.8	18534.	90.6
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						

ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09				30.	30.	30.			
X2			1	101.7	104.					30
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	39.5		32250.	100.3		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.				
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	82.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
JR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	54.6	25000	50	25200
JR	54.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					15.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	105	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								
ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BP", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BP" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	77	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125					
X3	10									
BT	9	15200	110		15350	110		15450	111	
BT	15600	113		16050	125.1		16450	131.3		17210
BT	112.82		18000	132.82						
ET					9.4					
X1	127.63				100	100				
NH	5	.06	31000	.12	32000	.96	34750	.025	35700	.05
NH	37300									
ET					7.4					
X1	127.9	15	34750	35700	800	1200	1100			
X4	2	105	31000	105	32000					
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	130	36900	135	37100	130	37300

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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	8000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	97.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		
ET					10.4					
X1	130.7	16	30300.	31200.	2400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								
ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		
ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97

ET					7.4					
NC	.05	.05	.025	.1	.3					
X1	134.97	68	14517	15097	5809	5809	5809			
GR	111.05	10000	111.16	10077	110.32	10188	110.1	10199	110.32	10292
GR	110.43	10392	110.61	10490	110.62	10587	111.1	10684	110.99	10787
GR	111.44	10865	111.33	10885	111.5	10989	111.63	11094	111.94	11189
GR	112.16	11301	111.98	11403	111.69	11509	110.73	11615	110.7	11718
GR	110.74	11821	110.7	11921	110.48	12022	110.75	12125	110.76	12228
GR	110.83	12328	110.77	12428	110.41	12530	110.87	12630	111.11	12730
GR	111.59	12828	111.85	12893	111.78	12925	111.61	13023	111.34	13119
GR	110.24	13220	110.43	13220	110.35	13220	110.27	13220	109.03	13278
GR	106.41	13295	109.06	13311	108.87	13362	110.13	13363	110.69	13460
GR	111.09	13558	111.36	13639	110.73	13761	111.45	13828	111.89	13921
GR	111.62	14018	110.99	14117	111.91	14222	111.4	14323	111.27	14449
GR	111.27	14517	73.96	14559	69.65	14627	71.48	14667	70.9	14747
GR	74.59	14812	85.24	15031	98.1	15097	100.23	15186	102.83	15297
GR	110	15697	110	16797	110	21797				
4	.05	4800.	.12	9300.	.025	9950.	.06	17500.		
135.	16	9300.	9950.	7000.	3000.	7400.				
130	1600.	130	4800.	130	7500	110	7500	110.	9500.	

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110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.	
79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.	
111.	17500.									
NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5560	4160	11360			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .3
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 32.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.03

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	SLMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
										00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.69

SECNO	DEPTH	CWSEL	CRWS	WSLK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 342.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRWS	WSLK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 9791.1 14503.0 3643.3 25853.6 11806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .5 .6 7.0 .8 .9 .9 5 .2
 DEPTH= 2.2 1.9 3.5 23.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:41:02

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSL	CRWS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

138.000	4800.00	.00	.00	58.00	181000.00	114.87	.00	115.44	1.91	7.37	71420.66111125.80
138.000	4800.00	.00	.00	58.00	242000.00	117.21	.00	117.63	1.58	7.10	107159.00192247.00
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.34 95742.78
139.000	5200.00	.00	.00	62.50	181000.00	115.70	.00	116.69	2.71	8.55	44818.32109949.20
139.000	5200.00	.00	.00	62.50	242000.00	117.87	.00	118.68	2.45	8.57	77834.88154554.50

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.37	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
* 79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
* 79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
* 79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
* 79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
* 83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
* 83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
* 83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
* 83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
* 83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
* 83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
* 83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
* 86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
* 86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
* 86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
* 87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
* 87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
* 87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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PAGE 37

SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
88.300	101000.00	70.86	.00	.56	.00	4598.94	1600.00
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	1600.00
88.300	181000.00	76.82	.66	.77	.00	16975.53	1600.00
88.300	242000.00	78.92	2.10	.71	.00	20251.42	1600.00
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
89.550	157000.00	76.95	5.04	.73	5.04	3449.08	6600.00
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
90.190	101000.00	72.25	.00	.34	.00	1187.51	1400.00
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	1400.00
90.190	181000.00	78.09	.79	.43	.00	3604.40	1400.00
90.190	242000.00	80.16	2.07	.48	.00	6721.49	1400.00
* 91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
* 91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
* 91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
* 91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	1200.00
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	1200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	1200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	1200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	97.13	1.39	.31	.00	1933.67	7000.00
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.16	.00	449.07	13900.00
* 99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
* 100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
* 100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
* 100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
*	123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	546.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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	SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIPKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7614.90	5809.00
*	134.970	181000.00	111.60	1.25	-.08	.00	10903.30	5809.00
*	134.970	242000.00	114.38	2.77	-.11	.00	11797.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.65	11360.00
	137.100	181000.00	114.10	1.31	2.49	.00	13554.72	11360.00
	137.100	242000.00	116.52	2.43	2.14	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.42	4800.00
	138.000	181000.00	114.87	1.23	.77	.00	15098.75	4800.00
	138.000	242000.00	117.21	2.35	.69	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.44	5200.00
	139.000	181000.00	115.70	1.08	.83	.00	15200.00	5200.00
	139.000	242000.00	117.87	2.17	.66	.00	15200.00	5200.00

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City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model - Alignment #1
10, 50, 100, and 500 Year Frequency
RE_NATA1.FHO

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*****
* HEC-2 WATER SURFACE PROFILES
*
* Version 4.6.2; May 1991
*
* RUN DATE 11SEP96 TIME 15:41:46
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616-4687
* (916) 756-1104
*****

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1 11SEP96 15:41:46

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*****
* HEC-2 WATER SURFACE PROFILES
*
* Version 4.6.2; May 1991
*****

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THIS RUN EXECUTED 11SEP96 15:41:46

Filename: re_nata1.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	MBTRIC	HVINS	Q	WSEL	FQ
		3							58.47	
J2	NPROP	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC		10 YR	50 YR	100 YR	500 YR	FLDWAY				
QT	7	181000	101000	157000	181000		242000	181000	181000	
ET		9.1	9.1	9.1	7.1			20669	38236	15000 41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET	NC		9.1	9.1	9.1	7.1				
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300					
X4	2	54.3	16200	54.9	18800	2700	7800			
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.			
GR	80.	19000.	58.1	19200.	16.9	19353.	55.5	26000.		
GR	15.6	19480.	14.7	19540.	12.4	19640.	15.4	19360.	16.	19440.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	19673.	55.4	19714.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.2	25150.	54.6	27335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	56.3	34335.	55.1	36335.
GR	59.7	42335.	65.8	42835.	68.6	43445.	57.2	40835.	59.6	41145.

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.				
GR	65.	16200.	55.1	16210.	57.	18000.	4900.			
GR	57.6	18500.	48.4	18550.	35.7	18597.	57.	18010.	57.	18020.
GR	19.1	18692.	17.3	18732.	13.2	18792.	32.2	18620.	24.8	18672.
GR	9.4	18872.	14.	18892.	24.7	18912.	11.7	18832.	10.6	18852.
GR	60.2	19000.	57.8	20875.	57.6	22379.	50.	18940.	60.7	18950.
GR	59.6	23748.	58.	23778.	57.2	25535.	60.2	22808.	59.7	23423.
GR							56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	3500.			
GR	58.5	23500.	18.6	23585.	10.	23620.	55.5	20703.	55.6	22000.
GR	19.	23940.	58.4	24060.	56.8	24560.	11.6	23700.	9.9	23920.
GR	57.8	29560.	53.7	33060.	53.7	34560.	56.2	26560.	57.5	28060.
GR	57.	36560.	58.3	39060.	58.6	41060.	57.5	34625.	58.5	36060.
GR	58.4	41474.	58.	42060.	57.	42160.	59.4	41360.	49.1	41415.
GR	65.3	42560.	68.2	43388.	68.3	45060.	46.	42265.	60.3	42350.
GR							66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	3700.			
GR	52.3	26634.	22.4	26792.	11.8	26972.	55.0	25103.	57.0	25992.
GR	55.2	27162.	59.	27560.	59.	31560.	9.6	27072.	21.1	27112.
GR	56.5	37857.	57.5	38940.	59.5	39000.	59.	31960.	60.	33460.
GR	57.4	41276.	59.7	42829.	52.9	42875.	57.6	39084.	59.	40240.
GR	60.6	45672.	55.5	45727.	50.4	45737.	56.9	42888.	56.	44719.
GR	70.7	46790.					64.3	45858.	61.6	46190.

NC			.3		.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	12500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.			
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	55.9	25103.	57.0	25992.
GR	16.4	27830.	17.4	27870.	20.4	27886.	9.6	27072.	21.1	27112.
GR	59.0	28095.	56.4	29095.	56.0	31095.	59.	31960.	60.	33460.
GR							57.6	39000.	59.	40240.
GR							56.9	42888.	56.	44719.
GR							64.3	45858.	61.6	46190.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5			29500	63	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				

ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			

ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				

ET					7.1		17248.	25698.	14300.	28074.
NC			.3	.5						
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		

ET					7.1		10293.	21200.		
NC			.1	.3						
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	18.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						

ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	19200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	1700.	300.	2300.			
X4	1.	65.7	3000.							
GR	72.	5450.	54.9	5450.	65.8	7200.	66.4	3526.	65.2	3988.
GR	65.3	3574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	55.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	55.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1					
NH	5.	.120	13790.	.060	21500.	.120	27689.	33064.	20363.	33947.
NH	33947.						28189.	.025	29274.	.050
X1	79.77	39.	28189.	29274.	5900.	7500.				
X4	1.	67.0	21500.				13300.			
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	29291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1					
NC							29200.	34500.	24941.	37643.
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.				
X4	1.	66.5	35000.				3600.			
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC										
ET		9.1	9.1	9.1	7.1					
NH	7.	.120	25279.	.050	28100.	.120	28330.	31907.	25279.	34088.
NH	32455.	.120	34650.	.050	39584.		28830.	.025	29426.	.050
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1					
NH	6	.050	7000	.120	7279	.025	4593	8467	2500	13704
NH	10200	.120	23660				7967	.120	8364	.050
X1	83.18	38	7279	7967	4400	7200				
X4	1	69.6	10200				7000			
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	92.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1					
NH	8	.050	15000	0.06	15500	0.12	13813.	17750.	10000.	20180.
NH	17450	0.06	20625	0.12	23450	0.06	16150	.025	16750	0.12
X1	83.81	45	16150	16750	2500	2935	30083			
X4	1	71	24100				3370			
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	21450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1					
NC	.06	.06	.025				17000	20366	14498	21500

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	15.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	7670.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	8852.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	11100.
GR										18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11					
NC				.3	.5		17000.	20366.	14498.	21500.

X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										

X4	1	92.0	19867.							15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.

X1	84.19				100.	100.	100.			
X2										

X2			1.	85.1	91.3					15.
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1					
NC	.06	.06	.025	.1	.3		17000.	20366.	14498.	21500.

X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120

NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										

X4	2.	73.0	19600.	72.0	26300.					15.
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.

GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120

NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X2										

X4	2.	73.2	37500.	74.	38000.					
GR	81.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.		5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.	
X1	92.17				48.	48.	48.				
X2			1.	92.1	96.0						
X3	10										
BT	30.	00	87.6		27.	31.7		855.	33.4		
BT	975.	78.9		1089.	82.4			1681.	82.6	2379.	
BT	81.2		2549.	79.7				81.1	3383.	80.5	
BT		3982.	82.8		4382.	3019.			4612.	92.8	
BT	4857.	81.3		4887.	87.1	80.0		4996.	84.6	5697.	
BT	83.0		5095.	33.3				93.2		83.6	
BT		8763.	83.2		10085.	84.1			10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0		12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.		92.5		13403.	93.1
BT											

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.	
X1	92.19				100.	100.	100.				
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.	
X1	92.27	43.	12164.	12892.	400.	400.	400.				
GR	37.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.	
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.	
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.	
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.	
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.	
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.	
GR	57.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.	
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.	
GR	85.2	13168.	86.2	13555.	87.0	13900.					

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.	
X1	92.29				100.	100.	100.				
X3	10										

SB	1.05	1.5	2.5		30.	20.	24280.		5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.	
NC	.080	.060	.025								
X1	92.30				20.	20.	20.				
X2			1.	90.0	93.3						
X3	10										
BT	18	4857.	81.3		4887.	87.6		5668.	87.5		
BT	6490.	87.1		8066.	86.5			9399.	86.8	10200.	
BT	87.2		10680.	88.5				91.5		93.6	
BT	84.2	11750.	93.6	90.0	12200.	11175.		88.2	11443.	88.2	
BT	12892.	93.3	89.1	12893.	93.3	84.1		12450.	93.5	88.2	
BT	90.2		13900.	89.0				13168.	92.4	13555.	

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.	
NC	.08	.06	.025								
X1	92.32				100.	100.	100.				
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.	
NC			.1	.3							
NH	3.	.050	27170.	.025	27692.	.060	29603.				
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.				
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.	
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.	
GR	83.6	22739.	92.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.	
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.	
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.	
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.	
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.	

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.	
NC			.1	.3							
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025	
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.				
X4	1.	86.5	11500.								
GR	95.	10000.	87.4	10478.	85.	13096.	85.6	13992.	87.0	14291.	
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.	
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.	
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.	
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.	
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.	
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.	
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.	
GR	95.	27250.									

NC	.05	.05	.026	.1	.3						
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050	
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490		
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.	
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.				

GR	32.8	1000.	39.5	1538.	31.8	1948.	30.2	3220.	35.3	3901.
GR	39.5	4138.	87.2	4924.	39.5	5688.	32.5	5900.	31.3	6266.
GR	35.2	7568.	31.2	7590.	39.3	7350.	31.2	4254.	39.7	4408.
GR	36.1	10480.	36.9	11321.	35.3	12009.	35.3	12871.	35.0	13999.
GR	36.3	14036.	34.1	14106.	33.7	15512.	33.1	16552.	34.1	17694.
GR	35.9	18024.	30.7	18156.	37.3	18418.	35.9	18962.	36.1	19446.
GR	37.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	33.3	20784.	31.6	20786.	32.	20800.
GR	37.4	21469.	36.5	21947.	32.7	22934.	32.3	23679.	30.7	24004.
GR	33.5	25082.	33.7	25490.						

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NC			0.025							
NH	3	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	3.1	7.1					
X1	95.61	50.	21800.	22480.	3600.	3200.	21800.	22480.	21784.	23677.
X4	2	93	1300	33.4	16000		3300.			
GR	94.1	1000.	89.6	1872.	32.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	39.9	5730.	99.2	7804.	39.9	8192.
GR	39.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	98.1	14734.	39.4	15086.	98.7	15118.	86.7	16380.	37.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	96.0	18870.
GR	88.5	19308.	89.3	20284.	96.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	92.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	94.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1					
X1	96.93	35.	25884.	26400.	4400.	5900.	25884.	26400.	23893.	29050.
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1					
X1	99.56	59.	31242.	31722.	10000.	14400.	30000.	31759.	23018.	32136.
X4	1	97.5	4000				13900.			
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	32.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1					
X1	100.07	32.	30624.	31664.	3100.	2700.	29500.	32250.	18534.	32250.
GR	92.2	15722.	92.2	15723.	92.2	15724.	2500.	2500.	92.8	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	17.4	31007.	42.1	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11					
X1	100.08				100.	100.	29500.	32250.	18534.	32250.
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11					
X1							29500.	32250.	18534.	32250.

X1	100.09				30.	30.	30.			
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	97.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105	19300.						
GR	125.	14696.	105.	14697	105.	14698.	105.	14699.	105.	14700.	
GR	105	24500	110	24550	110	24700	54.6	25000	50	25200	
GR	54.6	25400	95	25650	95	25800	90	26000	95	26150	
GR	100	26200	105	26300	110	26350	115	26400	120	26900	
GR	125	27050									
NH	5		16000.	95	19400.						
NH	25300.	.12			.12	20200.	.025	21200.	.12		
ET					5.4						
X1	118.8	13	20200	21200	4700	4400	5400				
X4	2	109.8	16000.	105.9	19400.						
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200	
GR	55.2	20550	54	20700	65.2	20800	90	21200	95	23400	
GR	100	23900	100	24900	125	25300					
NH	6	.05	27800.	12	28800.	.06	29600.	.12	39400.	.025	
NH	39900.	.12	41300.								
ET					16.4						
X1	123.1	27	39400	39900	19300	20000	22600				
X4	4	100.	18350.	105.	27800.	105.	28800.	104.3	29600.		
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.	
GR	105	24200	105	25700	100	25800	110	26600	105	26800	
GR	105	28100	100	28200	100	28400	100	29000	100	33400	
GR	100	33800	90	34650	100	34900	95	39400	68.2	39550	
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.	
GR	110.	41150.	115.	41300.							
NH	6	.05	27700.	12	29350.	.06	31800.	.05	39000.	.025	
NH	39900.	.05	44600.								
ET					12.4						
X1	123.8	25	39000	39900	1950	3500	3700				
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6	
X4	27700.	105.	29350.	115.	31800.						
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800	
GR	105	26500	100	27850	105	27950	105	32100	100	35400	
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375	
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750	
GR	110	42800	115	42900	120	43000	125	43100	130	44600	
NC	.12	.05	.025	.1	.3						
ET					11.4						
X1	124.8	46	34500	35100	2700	3000	5000				
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.	
GR	113	22975	107	23040	107	23330	107	23331	109	23920	
GR	108	24190	107	24480	105	24970	104	25110	100	25180	
GR	100	25410	100	25680	105	25850	100	26000	100	26200	
GR	105	26300	105	26620	104	27710	104	27890	100	28010	
GR	100	28105	105	28150	105	30850	106	31110	107	31370	

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GR	100	32150	100	34100	95	34150	100	34200	100	34500	
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400	
GR	105	39500	110	39600	115	39700	120	39800	125	39900	
GR	130	40700									
ET					9.4						
NC	.06	.06	.025	.1	.3						
X1	126.8	23	31550	32800	2300	11050	10900				
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.	
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300	
GR	100	33500	95	33600	90	33700	90	33850	95	33950	
GR	100	34050	105	34150	110	34300	115	34400	120	34500	
GR	125	34800	130	35200	135	35400					

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5						
ET					8.4						
X1	127.60	34	16050	17350	3800	3800	4000				
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400	
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900	
GR	105	16000	105	16050	104	16200	105	16300	105	16500	
GR	106	16525	109	16535	111	16550	100	16570	74	16620	
GR	75	16750	73	16850	70	16860	70	16935	62	16985	
GR	58	17070	75	17175	82	17192	101	17200	105	17232	
GR	105	17257	110	17350	113	17388	119	17500			
ET					8.41						
X1	127.61				100	100	100				
X3	10										
SB	1.25	1.5	2.6		500	20	40000	2	58	58	
ET					7.11		16050	17350			
X1	127.62				28	28	28				

X2			1	122.5		125						
X3	10											
BT	3	15200	110			15350	110		15450	111		
BT	15600	113		16050		125.1						
BT	132.82		18000	132.82				16450	131.3		17210	
ET						8.4						
X1	127.63					100	100	100				
NH	5	.06	31000	12	32000	.06	34750	.025	35700	.05		
NH	37300											
ET						7.4						
X1	127.9	15	34750	35700	800	1200	1100					
X4	2	105	31000	105	32000							
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100		
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450		
GR	120	36600	125	36700	130	36900	135	37100	130	37300		
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NC	.05	.05	.025	.1	.3							
ET					10.4							
X1	129.9	14	25400	26000	8000	12000	10600					
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600		
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	26000		
GR	100	35100	105	35900	110	36200	125	36300				
ET					10.4							
X1	130.7	16	30300	31200	2400	6000	4200					
GR	110.0	10000	108.0	21000	108.0	24400	105	29800	100.0	30300		
GR	74.5	30700	59.8	30800	74.5	30900	100	31100	105.0	31200		
GR	105	31900	100	36600	100	42800	105	43900	110	44100		
GR	125	44200										
ET					9.4							
X1	132.2	14	22500	23200	4000	14000	7400					
GR	110	10000	108	19500	109	20000	105	20900	100	20950		
GR	95	21000	90	22200	90	22500	85	22700	76	22750		
GR	63	22900	76	23050	105	23200	110	29600				
ET					15.4							
X1	133.9	18	31500	32450	7000	5000	9000					
GR	115	20600	110	22400	110	24800	105	26500	105	31500		
GR	77.5	31750	68.0	31900	77.5	32050	80.0	32150	85.0	32250		
GR	90.0	32350	95.0	32450	100	32700	105	33300	105	34500		
GR	105	35000	110	42000	111	43700						

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97
Two GR points were added to the geometry of cross section 134.97 for Levee alignment #1

ET					7.4							
NC	.05	.05	.025	.1	.3							
X1	134.97	70	14517	15097	5809	5809	5809					
GR	130	10000	130	10077	130	10188	130	10199	130	10292		
GR	130	10392	130	10490	130	10587	130	10684	130	10787		
GR	130	10865	130	10885	130	10917	111.4	10917	111.5	10989		
GR	111.63	11094	111.94	11189	112.16	11301	111.98	11403	111.69	11509		
GR	110.73	11615	110.7	11718	110.74	11821	110.7	11921	110.41	12022		
GR	110.75	12125	110.76	12228	110.83	12328	110.77	12428	110.41	12530		
GR	110.87	12630	111.11	12730	111.59	12828	111.85	12893	111.78	12925		
GR	111.61	13023	111.34	13119	110.24	13220	110.43	13220	110.35	13220		
GR	110.27	13220	109.03	13278	106.41	13295	109.06	13311	108.87	13362		
GR	110.13	13363	110.69	13460	111.09	13558	111.36	13639	110.73	13761		
GR	111.45	13828	111.89	13921	111.62	14018	110.99	14117	111.91	14222		
GR	111.4	14323	111.27	14449	111.27	14517	73.96	14559	69.65	14627		
GR	71.48	14667	70.9	14747	74.59	14812	85.24	15031	98.1	15097		
GR	100.23	15186	102.83	15297	110	15697	110	16797	110	21797		
4	.05	4800	.12	9300	.025	9950	.06	17500				
135	16	9300	9950	7000	3000	7400						
130	1600	130	4800	130	7500	110	7500	110	8500			
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110	8700	105	8800	100	9300	79.0	9550	72.0	9700			
79.0	9850	100	9950	110	11000	106	12800	110	15000			
111	17500											

NC	.05	.06	.025	.1	.3							
ET					7.1			23000	30250			
X1	137.1	15	23250	23900	5560	4160	11360					
GR	115	19150	110	23000	105	23250	81.8	23500	73.5	23625		
GR	81.8	23750	100	23900	110	24500	106	25500	105	26500		
GR	110	26700	110	30500	109	31000	110	31400	113	33400		

NC	05	.05	.025	1	3								
ET					7.1								
K1	138.	13	19300.	19900.	1500.	3000.	18844.		24925.				
DR	115.	11800.	115.	11801.	115.	11802.	4800.						
CR	48.0	19725.	83.1	19850.	105.	19900.	110.		19300.	33.1		19600.	
BR	110.	23800.	110.	25400.	113.	27100.	110.		20500.	108.		21400.	
NC	05	.05	.025	1	3								
ET					7.1								
K1	139.	13	23000.	23700.	1400.	5000.	21600.		25100.				
K4	3	110	23020	105	23040	100	5200.						
DR	115	10000	113	15000	115	18800	23100						
CR	110	21800	115	23000	84.5	23450	115		20800	110		21000	
BR	115	23700	115	24100	115.1	25200	62.5		23550	84.5		23650	

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	TRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.PH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 32.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 32.5 2648.3
 VEL= .4 .4 .4 7.6 2 .8
 DEPTH= 1.2 1.1 1.1 22.1 1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.03

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	MTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.PH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ

8 58.47

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACS

3 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.69

SECNO	DEPTH	CWSEL	CRIS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399
 PER Q= 2.6 90.2 3.9 3.1 2
 AREA= 3469.3 23939.8 12293.3 12899.1 342.5
 VEL= .5 6.8 .5 4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1	ICHECK	INQ	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRIS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 11173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 2791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .3 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:41:51

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K	
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00		
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00		
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70		
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70		
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20		
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90		
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30		
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60		
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60		
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10		
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40		
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.60	147914.50200907.60		
*	67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
*	67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
*	67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
*	67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95		
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33		
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30		
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50202189.60		
*	68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
*	68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
*	68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
*	68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60		
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30		
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90		
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80		

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SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162107.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

71.280	50.00	56.50	66.30	7.50	242000.00	55.17	.00	55.58	.39	5.37	163132.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	40.63	.00	40.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.30	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.39	5.37	163507.50256048.00	
*	71.500	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78
	71.500	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60
*	71.500	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30
*	71.500	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.39	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00	
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70	
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44	
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40	
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80	
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90	
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80	
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00	
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20	
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	ARBA	.01K
*	79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30 63017.20
*	79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81 89680.11
*	79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90
*	79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37 74840.03	
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41 93500.73	
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37 78930.41	
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
*	83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00
*	83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30
*	83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40
*	83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90
*	83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81 66689.88
*	83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61 98445.86
*	83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20
	83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	112234.30164754.30
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71 80054.75	
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76 94782.58	
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16 80093.68	
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74 94860.26	
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49 80161.47	
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59 95202.61	
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64 80193.55	
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80 95448.02	
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43 89222.84	
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70 101000.00	70.23	.00	70.48	.56			
*	86.910	9520.00	.00	.00	29.70 157000.00	75.32	.00	75.63	.65	4.38	41927.25134826.20	
*	86.910	9520.00	.00	.00	29.70 181000.00	75.96	.00	76.28	.71	5.14	63871.03195132.40	
*	86.910	9520.00	.00	.00	29.70 242000.00	78.02	.00	78.38	.82	5.45	89488.86214352.50	
										6.06	130911.20266590.60	
*	87.610	3700.00	.00	.00	35.40 101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
*	87.610	3700.00	.00	.00	35.40 157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
*	87.610	3700.00	.00	.00	35.40 181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
*	87.610	3700.00	.00	.00	35.40 242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
	88.300	3600.00	.00	.00	37.10 101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
	88.300	3600.00	.00	.00	37.10 157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
	88.300	3600.00	.00	.00	37.10 181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
	88.300	3600.00	.00	.00	37.10 242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
	89.550	6600.00	.00	.00	27.40 101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
	89.550	6600.00	.00	.00	27.40 157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
	89.550	6600.00	.00	.00	27.40 181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
	89.550	6600.00	.00	.00	27.40 242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
	90.190	3400.00	.00	.00	37.60 101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98	
	90.190	3400.00	.00	.00	37.60 157000.00	77.30	.00	78.14	1.41	6.99	27559.45123045.40	
	90.190	3400.00	.00	.00	37.60 181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
	90.190	3400.00	.00	.00	37.60 242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
*	91.520	7000.00	.00	.00	33.40 101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70	
*	91.520	7000.00	.00	.00	33.40 157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32	
*	91.520	7000.00	.00	.00	33.40 181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08	
*	91.520	7000.00	.00	.00	33.40 242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
	92.130	3200.00	.00	.00	25.80 101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73	
	92.130	3200.00	.00	.00	25.80 157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10	
	92.130	3200.00	.00	.00	25.80 181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
	92.130	3200.00	.00	.00	25.80 242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
	92.150	100.00	.00	.00	25.80 101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65	
	92.150	100.00	.00	.00	25.80 157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50	
	92.150	100.00	.00	.00	25.80 181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
	92.150	100.00	.00	.00	25.80 242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
	92.170	48.00	96.00	92.10	25.80 101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76	
	92.170	48.00	96.00	92.10	25.80 157000.00	80.09	.00	81.22	2.94	8.57	18507.29 91635.54	
	92.170	48.00	96.00	92.10	25.80 181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
	92.170	48.00	96.00	92.10	25.80 242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
	92.190	100.00	.00	.00	25.80 101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91	
	92.190	100.00	.00	.00	25.80 157000.00	80.13	.00	81.25	2.92	8.51	18533.50 91812.23	
	92.190	100.00	.00	.00	25.80 181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
	92.190	100.00	.00	.00	25.80 242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00 101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47		
92.270	400.00	.00	.00	25.00 157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46		
92.270	400.00	.00	.00	25.00 181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00		
92.270	400.00	.00	.00	25.00 242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80		
92.290	100.00	.00	.00	25.00 101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76		
92.290	100.00	.00	.00	25.00 157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69		
92.290	100.00	.00	.00	25.00 181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90		
92.290	100.00	.00	.00	25.00 242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60		
92.300	20.00	93.30	90.00	25.00 101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88		
92.300	20.00	93.30	90.00	25.00 157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24		
92.300	20.00	93.30	90.00	25.00 181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20		
92.300	20.00	93.30	90.00	25.00 242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50		
92.320	100.00	.00	.00	25.00 101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35		
92.320	100.00	.00	.00	25.00 157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00		
92.320	100.00	.00	.00	25.00 181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80		
92.320	100.00	.00	.00	25.00 242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80		
92.900	3060.00	.00	.00	38.60 101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95		
92.900	3060.00	.00	.00	38.60 157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20		
92.900	3060.00	.00	.00	38.60 181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00		
92.900	3060.00	.00	.00	38.60 242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60		
94.340	7600.00	.00	.00	37.10 101000.00	76.15	.00	76.98	1.68	7.28	13884.43 78006.37		
94.340	7600.00	.00	.00	37.10 157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40		
94.340	7600.00	.00	.00	37.10 181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30		
94.340	7600.00	.00	.00	37.10 242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20		

74.980	3400.00	.00	.00	27.40	101000.00	76.69	.00	77.53	1.95	7.37	14815.02	81222.92
74.980	3400.00	.00	.00	27.40	157000.00	83.27	.00	84.62	1.31	9.41	20595.64	110257.00
74.980	3400.00	.00	.00	27.40	181000.00	84.97	.00	86.48	1.24	10.12	31241.42	121012.90
74.980	3400.00	.00	.00	27.40	242000.00	88.68	.00	90.01	1.12	10.34	80561.10	166281.20
75.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18208.51	93235.15
75.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12	138740.30
75.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10	153675.80
75.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65	189329.20
76.930	7000.00	.00	.00	23.30	101000.00	73.17	.00	73.67	.79	5.71	17703.13	113643.30
76.930	7000.00	.00	.00	23.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93	147151.40
76.930	7000.00	.00	.00	23.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55	160877.90
76.930	7000.00	.00	.00	23.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68	191242.90
79.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	1.22	8.11	12460.00	67780.42
79.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	1.57	9.65	20107.98	97948.95
79.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	1.48	9.87	33804.71	114904.70
79.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50	194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37	138314.20
100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40	169983.10
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70	240056.30
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88	138557.10
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34	170224.90
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60	240377.30
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59	138766.90
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09	170450.70
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10	240737.80
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78	138931.50
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87	170653.50
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90	240998.50
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05	100393.20
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48	137774.50
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98	152451.40
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00	190436.10
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05	160709.50
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67	200891.90
105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60	293743.60
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67	112833.80
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82	172314.80
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64	187932.60
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88	215745.60
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50	122468.40
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51	187602.30
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09	205152.90
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10	239788.00
111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50	113091.70
111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63	123947.40
111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64	144250.20
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38	114940.50
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24	129954.50
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54	169395.50

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26	128973.20
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33	146232.50
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54	192628.90
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35	149978.80
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45	167982.20

138.000	4300.00	.00	.00	68.00	181000.00	114.87	.00	115.44	1.90	7.37	71507.88131248.20
138.000	4300.00	.00	.00	68.00	242000.00	117.25	.00	117.67	1.56	7.06	107928.60193745.00
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.65 95743.12
139.000	5200.00	.00	.00	62.50	181000.00	115.70	.00	116.69	2.71	8.54	44881.29110017.00
139.000	5200.00	.00	.00	62.50	242000.00	117.90	.00	118.70	2.43	8.54	78279.97155267.60

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSXL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSXL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	51.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00	
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00	
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00	
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00	

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00	
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00	
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00	
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00	
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
*	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00	
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00	
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00	
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00	
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00	
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00	
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00	
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00	
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00	
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00	
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00	
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00	
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00	
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00	
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00	
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00	
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00	
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00	
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00	
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00	
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
*	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
*	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
88.300	101000.00	73.86	.00	.56	.00	4598.94	3400.00
88.300	157000.00	76.16	5.30	.30	5.30	4890.32	3600.00
88.300	181000.00	76.82	.56	.77	.00	16975.53	3600.00
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
* 91.520	101000.00	73.14	.00	.30	.00	579.97	7000.00
* 91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
* 91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
* 91.520	242000.00	82.02	2.53	1.85	.00	11301.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	667.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	667.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	667.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	667.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.36	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	9.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00	
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00	
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00	
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00	
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00	
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00	
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00	
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00	
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00	
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00	
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00	
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00	
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00	
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00	
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00	
*	105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00	
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00	
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00	
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00	
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00	
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00	
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00	
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00	
*	111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
*	111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
*	111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
*	111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00	
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00	
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00	
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00	
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00	
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00	
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00	
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00	
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00	
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00	
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00	
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00	

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	38.78	.00	1.42	.00	3315.96	3700.00
*	123.800	157000.00	135.05	6.27	1.14	5.27	13534.10	3700.00
*	123.800	181000.00	126.88	1.33	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	39.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.30	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.31	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.52	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.53	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.52	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.33	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.54	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.55	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.54	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.31	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.52	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.53	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.52	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
*	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7472.13	5809.00
*	134.970	181000.00	111.60	1.24	-.08	.00	9977.76	5809.00
*	134.970	242000.00	114.35	2.75	-.14	.00	10880.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.69	11360.00
	137.100	181000.00	114.10	1.32	2.50	.00	13560.52	11360.00
	137.100	242000.00	116.57	2.47	2.22	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.46	4800.00
	138.000	181000.00	114.87	1.23	.77	.00	15107.42	4800.00
	138.000	242000.00	117.25	2.38	.68	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.59	5200.00
	139.000	181000.00	115.70	1.08	.83	.00	15200.00	5200.00
	139.000	242000.00	117.90	2.20	.64	.00	15200.00	5200.00

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PAGE 42

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model - Alignment #2
10, 50, 100, and 500 Year Frequency
RE_NATA2.FHO


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*****
* HEC-2 WATER SURFACE PROFILES *
* * * * *
* Version 4.6.2; May 1991 *
* * * * *
* RUN DATE 11SEP96 TIME 15:42:30 *
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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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THIS RUN EXECUTED 11SEP96 15:42:30

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: re_nata2.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
			3						58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
150

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
-10 -10

NC		10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000			
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899	
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06	
NH	34878	0.12	44078								
X1	64.53	33.	24100.	24542.	0.	0.					
X4	2	53.2	12600.	53.	13000.						
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.	
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.	
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.	
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.	
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.	
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.	
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.	

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

JR	20.6	24840.	10.	24860.	40.	24880.	50.	24890.	55.2	24900.
JR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
JR	52.7	29084.	52.4	30643.	51.2	31557.	52.3	32256.	52.1	32663.
JR	52.2	31645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
JR	53.8	38485.	53.8	39445.	51.2	39786.	53.6	39995.	53.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	120	36129.	
X1	56.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.3	18800					
JR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
JR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
JR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
JR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
JR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
JR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
JR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
JR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
JR	54.4	34526.	53.8	34828.	53.	35120.	55.3	35450.	54.4	35974.
JR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC					.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
JR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
JR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
JR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
JR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
JR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
JR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
JR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
JR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
JR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
JR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
JR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
JR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
JR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
JR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
JR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
JR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
JR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
JR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
JR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
JR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
JR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
JR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
JR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
JR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
JR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
JR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
JR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
JR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
JR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	91.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.				
X2			1.0	66.3	56.5					
BT	15	27000	70		27100	62.5		29500	63	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
BT					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				

ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	3300.			
X4	1.	65.7	3000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	9526.	65.2	3988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1			27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120		28189.	.025	29274.	.050
NH	33947.										
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.				
X4	1.	67.0	21500.								
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.	
GR	66.4	13790.	66.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.	
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.	
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.	
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.	
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.	
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.	
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.			

ET		9.1	9.1	9.1	7.1			29200.	34500.	24941.	37643.
NC				1	3						
NH	5.	.060	21591.	120	29700.	.025		30675.	.120	35000.	.050
NH	37643.										
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.				
X4	1.	66.5	35000.								
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.	
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.	
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.	
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.	
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.	

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC				.1	.3						
ET		9.1	9.1	9.1	7.1			28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120		28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.						
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.				
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.	
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.	
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.	
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.	
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.	
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.	
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.	
GR	76.6	39410.	81.4	39584.							

ET		9.1	9.1	9.1	7.1			4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025		7967	.120	8364	.050
NH	10200	.120	23660								
X1	83.18	38	7279	7967	4400	7200	7000				
X4	1	69.6	10200								
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.	
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.	
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.	
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.	
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	11704.	
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.	
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.	
GR	82.2	21448.	77.6	21548.	78.2	23660.					

ET		9.1	9.1	9.1	7.1			13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12		16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06		30083			
X1	83.81	45	16150	16750	2500	2935	3370				
X4	1	71	24100								
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350	
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200	
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500	
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300	
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750	
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100	
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655	
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450	
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083	

ET		9.1	9.1	9.1	7.1			17000	20366	14498	21500
NC	.06	.06	.025								

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	9000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
NC				.3	.5						
X1	84.17	45	18700.	19866.	100.	100.	100.				
X2											15.

X4	1	92.0	19867.								
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.	
GR	66.7	7682.	68.8	7690.	72.5	9000.	72.8	8500.	70.2	8852.	
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.	
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.	
GR	31.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.	
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.	
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.	
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.	
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.	

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4	
ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.				15.
X2			1.	85.1	91.3						
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1	
BT	19867.	92.0	92.0								

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3						
X1	84.21	45	18700.	19866.	100.	100.	100.				15.
X2											

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	9000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1			15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120	
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.		
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.				15.
X2											
X4	2.	73.0	19600.	72.0	26300.						
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.	
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.	
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.	
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.	
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.	

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1			30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120	
NH	33216.	.060	37500.	.050	38000.	.060	46203.				
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.				
X4	2.	73.2	37500.	74.	38000.						
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.	
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.	
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.	
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.	
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.	
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.	
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.	
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.	

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
XJ	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21030.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	95.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	42.8	1000.	39.5	1538.	31.8	1948.	30.2	3220.	35.3	3901.
GR	49.5	4138.	37.2	4924.	33.5	5688.	32.5	5900.	31.8	6266.
GR	35.2	7568.	31.2	7590.	39.3	7350.	31.2	8254.	39.7	8408.
GR	36.1	10480.	36.9	11321.	35.3	12009.	35.9	12371.	35.0	13999.
GR	36.3	14036.	34.1	14106.	33.7	15512.	33.1	16552.	34.1	17694.
GR	45.9	18024.	30.7	18156.	37.3	18418.	35.9	18962.	36.1	19446.
GR	47.6	19721.	29.9	19914.	33.2	20044.	35.4	20244.	39.3	20376.
GR	43.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	31.6	20786.	32.	20800.
GR	37.4	21469.	36.5	21947.	32.7	22934.	32.3	23679.	30.7	24004.
GR	33.5	25082.	33.7	25490.						

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NC			0.025							
NH	9	0.12	1300	050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	32.3	2225.	31.9	1240.	89.6	3728.
GR	31.2	3981.	32.8	4346.	39.9	5730.	39.2	7804.	39.9	8192.
GR	39.5	10010.	90.8	10084.	30.8	12316.	39.2	12602.	38.9	13720.
GR	33.1	14734.	89.4	15086.	38.7	15118.	36.7	16380.	37.3	16898.
GR	35.9	17734.	87.	18246.	35.6	18552.	38.6	18674.	36.0	18870.
GR	38.5	19308.	89.3	20284.	36.4	20784.	36.0	21274.	38.6	21784.
GR	37.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	30.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	91.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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PAGE 13

NC				.1	3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09			30.	30.	30.				
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483		1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	11150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	15400.	105.	13300.					
JR	105.	14696.	105	14697.	105.	14698.	105.	14699.	105.	14700.
DR	105	24500	110	24550	110	24700	54.6	25000	50	25200
TR	64.6	25400	95	25650	95	25800	90	26000	95	26150
DR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	12	16000.	05	19400.	12	20200.	025	21200.	12
NH	25300.									
ET					5.4					
X1	119.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
DR	110	13300	110	15000	97.5	15200	110	15800	105	20200
DR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	12	28800.	06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	13000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370
1										
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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	51	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								
ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				
*127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.										
NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		
ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125						
X1	10										
BT	3	15200		110	15350	110		15450	111		
BT	15600	113		16050	125.1		16450	131.3		17210	
BT	132.82		18000	132.82							
ET					8.4						
X1	127.63				100	100	100				
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	800	1200	1100				
X4	2	105	31000	105	32000						
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	.05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	8000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300.	31200.	2400.	6000.	4200.				
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.	
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.	
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.	
GR	125.	44200.									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500.	32450.	7000.	5000.	9000.				
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.	
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.	
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.	
GR	105.	35000.	110.	42000.	111.	43700.					

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97
Two GR points were added to the geometry of cross section 134.97 for Levee alignment #2

ET					7.4						
NC	.05	.05	.025	.1	.3						
X1	134.97	70	14517	15097	5809	5809	5809				
GR	130	10000	130	10077	130	10188	130	10199	130	10292	
GR	130	10392	130	10490	130	10587	130	10684	130	10787	
GR	130	10865	130	10885	130	10989	130	11094	130	11189	
GR	130	11301	130	11403	130	11509	130	11615	130	11718	
GR	130	11821	130	11921	130	12022	130	12125	130	12228	
GR	130	12328	130	12428	130	12530	130	12630	130	12717	
GR	111	12717	111.11	12730	111.59	12828	111.85	12893	111.78	12925	
GR	111.61	13023	111.34	13119	110.24	13220	110.43	13220	110.35	13220	
GR	110.27	13220	109.03	13278	106.41	13295	109.06	13311	108.87	13362	
GR	110.13	13363	110.69	13460	111.09	13558	111.36	13639	110.73	13761	
GR	111.45	13828	111.89	13921	111.62	14018	110.99	14117	111.91	14222	
GR	111.4	14323	111.27	14449	111.27	14517	73.96	14559	69.65	14627	
GR	71.48	14667	70.9	14747	74.59	14812	85.24	15031	98.1	15097	
GR	100.23	15186	102.83	15297	110	15697	110	16797	110	21797	
4	.05	4800.	.12	9300.	.025	9950.	.06	17500.			
				7.4							
135.	16	9300.	9950.	7000.	3000.	7400.					
130	1600.	130	4800.	130	7500	110	7500	110.	8500.		

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110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.		
79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.		
111.	17500.										

NC	.05	.06	.025	.1	.3						
ET					7.1		23000.	30250.			
X1	137.1	15	23250.	23900.	5560	4160	11360				
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.	
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.	
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.	

NC	.05	.05	.025	1	3						
ET					7.1		18844.	34925.			
X1	118.	11	19300.	19900.	1500.	3000.		4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.	
GR	58.0	19725.	83.1	19850.	105.	19900.	110.	20500.	158.	21400.	
GR	110.	23800.	110.	25400.	113.	27100.					

NC	.05	.05	.025	1	3						
ET					7.1		21600.	25100.			
X1	119.	13	23000.	23700.	3400.	5000.		5200.			
X4	3	110	23020	105	23040	100		23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000	
GR	110	21800	115	23000	84.5	23450	52.5	23550	84.5	23650	
GR	115	23700	115	24100	115.1	25200					

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.PH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
		4							58.47	
J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 112.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	GLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.2 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

4-85-84

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 14210. 13000. 29399.
 PER Q= 2.6 30.2 3.9 3.1 2
 AREA= 3469.3 23939.8 12293.3 12899.1 342.5
 VEL= .6 6.8 6 4 4
 DEPTH= 6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC. 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26100. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .3 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:42:36

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSBL	CRWS	EG	10*KS	VCH	AREA	.01K	
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00		
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00		
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70		
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70		
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20		
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90		
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.80199097.30		
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60		
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60		
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10		
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40		
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00		
*	67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
*	67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
*	67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
*	67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95		
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33		
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30		
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60		
*	68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
*	68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
*	68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
*	68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60		
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30		
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90		
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80		

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SECNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSBL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

71.260	50.00	56.50	56.30	7.50	242000.00	55.17	.00	55.58	.49	5.37	163332.70255820.10
71.280	150.00	.00	.00	7.50	101000.00	50.63	.00	50.88	.48	4.28	51678.09146487.20
71.280	100.00	.00	.00	7.50	157000.00	52.78	.00	53.21	.80	5.76	71062.13175975.00
71.280	100.00	.00	.00	7.50	181000.00	53.38	.00	53.75	.77	5.73	121959.10206426.90
71.280	100.00	.00	.00	7.50	242000.00	55.18	.00	55.59	.89	5.37	163507.50256048.00
* 71.600	1700.00	.00	.00	7.90	101000.00	50.62	.00	51.11	1.04	5.95	18964.81 98958.78
* 71.600	1700.00	.00	.00	7.90	157000.00	52.80	.00	53.55	1.61	7.74	60642.43123571.60
* 71.600	1700.00	.00	.00	7.90	181000.00	53.30	.00	54.19	1.93	8.54	66153.34130382.30
* 71.600	1700.00	.00	.00	7.90	242000.00	55.06	.00	56.12	2.38	9.80	85378.94156924.50
72.440	4400.00	.00	.00	8.00	101000.00	51.25	.00	51.60	1.03	5.05	47214.25 99620.10
72.440	4400.00	.00	.00	8.00	157000.00	53.79	.00	54.22	1.31	5.07	81541.72137270.50
72.440	4400.00	.00	.00	8.00	181000.00	54.50	.00	54.97	1.43	5.47	92005.84151097.90
72.440	4400.00	.00	.00	8.00	242000.00	56.54	.00	57.01	1.52	6.97	121655.50196424.60
74.660	11700.00	.00	.00	14.50	101000.00	52.25	.00	52.63	.89	5.26	53834.16107350.70
74.660	11700.00	.00	.00	14.50	157000.00	54.97	.00	55.45	1.21	6.45	94990.24142995.20
74.660	11700.00	.00	.00	14.50	181000.00	55.75	.00	56.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	57.76	.00	58.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	53.31	.00	53.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	56.19	.00	56.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	57.03	.00	57.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	59.03	.00	59.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	53.57	.00	53.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	56.34	.00	56.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	57.19	.00	57.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	59.18	.00	59.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	73.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	11234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76	94782.58
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95449.02
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	BG	10*KS	VCH	AREA	.01K
* 86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
* 86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
* 86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
* 87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
* 87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
* 87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98	
90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.67140621.00	
90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
* 91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70	
* 91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32	
* 91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08	
* 91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73	
92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10	
92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65	
92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50	
92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76	
92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29 91635.54	
92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91	
92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.90 91812.23	
92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	BG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47	
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46	
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80	
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76	
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69	
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90	
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88	
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24	
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35	
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00	
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95	
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00	
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43 78006.37	
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	

74.980	3400.00	.00	.00	27.40	101000.00	75.69	.00	77.53	1.55	7.17	14815.02	81222.92
74.980	3400.00	.00	.00	27.40	157000.00	83.27	.00	84.62	1.23	9.41	20595.64	110257.00
74.980	3400.00	.00	.00	27.40	181000.00	84.97	.00	86.48	1.24	10.12	31241.42	121012.90
74.980	3400.00	.00	.00	27.40	242000.00	88.68	.00	90.01	1.12	10.34	80561.10	166281.20
75.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
75.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12	138740.30
75.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.50	153675.80
75.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.53	8.48	65710.65	189329.20
76.930	7000.00	.00	.00	23.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13	113643.30
76.930	7000.00	.00	.00	23.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93	147151.40
76.930	7000.00	.00	.00	23.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55	160877.90
76.930	7000.00	.00	.00	23.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68	191242.90
79.560	13900.00	.00	.00	34.30	101000.00	79.53	.00	80.55	1.22	8.11	12460.00	67780.42
79.560	13900.00	.00	.00	34.30	157000.00	87.12	.00	88.54	1.57	9.65	20107.98	97948.95
79.560	13900.00	.00	.00	34.30	181000.00	89.19	.00	90.59	1.48	9.87	33804.71	114904.70
79.560	13900.00	.00	.00	34.30	242000.00	93.25	.00	93.96	1.54	8.37	108075.50	194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37	138314.20
100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40	169983.10
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70	240056.30
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88	138557.10
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34	170224.90
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60	240377.30
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59	138766.90
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09	170450.70
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10	240737.80
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78	138931.50
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87	170653.50
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90	240998.50
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05	100393.20
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48	137774.50
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.09	170450.70
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00	190436.10
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05	160709.50
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.87	200891.90
105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60	293743.60
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67	112833.80
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82	172314.80
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64	187932.60
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88	215745.60
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50	122468.40
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51	187602.30
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09	205152.90
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10	239788.00
111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50	113091.70
111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63	123947.40
111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64	144250.20
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38	114940.50
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24	129954.50
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54	169395.50

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26	128973.20
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33	146232.50
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54	192628.90
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35	149978.80
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45	167982.20

117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65 77806.57	
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37 59452.09	
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
*	123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68 89974.45
*	123.800	3700.00	.00	.00	62.00	157000.00	105.27	.00	105.27	.70	4.48	81238.94187341.40
*	123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30
*	123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30
	124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44 63732.80
	124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70
	124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00
	124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20
*	126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
	126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
	126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
	126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
	127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
	127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
	127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
	127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
	127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
	127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
	127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
	127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
	127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
	127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
	127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
	127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSBL	CRISW	EG	10*KS	VCH	ARRA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.4216960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30350629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
*	129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52
*	129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20
*	129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80
*	129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30
*	130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60
	130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40
	130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20
	130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40
	132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80
	132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40
*	132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00
*	132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30
	133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30
	133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20
	133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90
	133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40
	134.970	5809.00	.00	.00	69.65	101000.00	106.13	.00	106.73	1.34	6.22	17438.02 87264.71
*	134.970	5809.00	.00	.00	69.65	157000.00	110.36	.00	111.36	1.95	8.19	24375.28112486.30
*	134.970	5809.00	.00	.00	69.65	181000.00	111.60	.00	112.69	2.11	8.73	34113.72124561.80
*	134.970	5809.00	.00	.00	69.65	242000.00	114.30	.00	115.39	2.17	9.34	58618.69164135.60
	137.100	11360.00	.00	.00	73.50	101000.00	107.99	.00	108.73	2.39	7.03	19105.52 65303.29
	137.100	11360.00	.00	.00	73.50	157000.00	112.78	.00	113.41	1.92	7.21	55130.61113408.10
	137.100	11360.00	.00	.00	73.50	181000.00	114.11	.00	114.67	1.75	7.12	72475.79136857.90
	137.100	11360.00	.00	.00	73.50	242000.00	116.66	.00	117.11	1.53	7.06	108437.40388703.00
	138.000	4800.00	.00	.00	68.00	101000.00	109.10	.00	110.01	2.82	7.74	14903.02 60191.45
	138.000	4800.00	.00	.00	68.00	157000.00	113.64	.00	114.31	2.13	7.56	54029.53107593.10

138.000	4800.00	.00	.00	58.00	181000.00	114.88	.00	115.45	1.90	7.36	71614.42111397.80
138.000	4800.00	.00	.00	59.00	242000.00	117.32	.00	117.73	1.53	5.99	108983.20195809.20
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.57 95743.00
139.000	5200.00	.00	.00	62.50	181000.00	115.71	.00	116.70	2.70	8.54	44957.60110099.40
139.000	5200.00	.00	.00	62.50	242000.00	117.95	.00	118.74	2.39	8.48	79110.05156604.80

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.70	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.98	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
* 79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
* 79.770	157000.00	67.65	2.98	1.31	2.98	9983.77	13300.00
* 79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
* 79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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SECNO	Q	CMSBL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
* 83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
* 83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
* 83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
* 83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
* 83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
* 83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
* 83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
* 83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
* 86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
* 86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
* 86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
* 86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
* 87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
* 87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
* 87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
* 87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
38.300	101000.00	73.36	.00	.56	.10	4598.94	3600.00
38.300	157000.00	76.16	5.30	.30	5.30	4390.32	3600.00
38.300	181000.00	76.82	.56	.77	.00	16975.53	3600.00
38.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
49.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
49.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
49.550	181000.00	77.67	.72	.35	.00	4835.72	6600.00
49.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
91.520	157000.00	78.52	5.37	1.22	5.37	1432.98	7000.00
91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00	
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00	
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00	
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00	
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00	
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00	
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00	
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00	
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00	
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00	
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00	
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00	
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00	
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00	
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00	
*	105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00	
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00	
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00	
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00	
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00	
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00	
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00	
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00	
*	111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
*	111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
*	111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
*	111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00	
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00	
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00	
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00	
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00	
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00	
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00	
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00	
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00	
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00	
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00	
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	121.800	101000.00	94.78	.00	1.42	.00	1315.96	3700.00
*	121.800	157000.00	105.05	5.27	1.14	6.27	13534.10	3700.00
*	121.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	121.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.21	.00	15412.32	5000.00
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*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
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	126.800	242000.00	111.57	3.30	.80	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.00	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
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	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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	SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
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*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
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	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
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	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.67	11360.00
	137.100	181000.00	114.11	1.33	2.52	.00	13567.58	11360.00
	137.100	242000.00	116.66	2.54	2.36	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	11259.45	4800.00
	138.000	181000.00	114.88	1.24	.77	.00	15117.99	4800.00
	138.000	242000.00	117.32	2.44	.66	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.55	5200.00
	139.000	181000.00	115.71	1.09	.83	.00	15200.00	5200.00
	139.000	242000.00	117.95	2.25	.63	.00	15200.00	5200.00

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**Flood Protection Planning Study
for the
Brazos Valley Subdivision Area
City of Simonton, Texas
Final Report**



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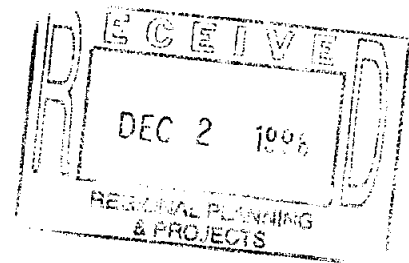
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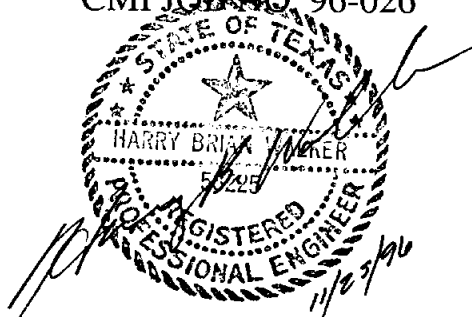
**FLOOD PROTECTION PLANNING STUDY
FOR THE
BRAZOS VALLEY SUBDIVISION AREA**

CITY OF SIMONTON, TEXAS

FINAL REPORT



NOVEMBER, 1996
CMI JOB NO. 96-026



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EXHIBITS

1. Vicinity Map
2. Floodplain Maps
3. Project Layout
4. Typical Levee Cross Section

FIGURES

1. Cross Section Plots
2. HEC-2 Cross Section Locations

***FLOOD PROTECTION PLANNING STUDY
BRAZOS VALLEY SUBDIVISION AREA
CITY OF SIMONTON, TEXAS***

I. EXECUTIVE SUMMARY

- A. The City of Simonton has experienced two recent flood events, in 1991 and 1994. Resulting damages totaled \$4.4 million from 163 flood insurance claims.

- B. FEMA's HEC-2 computer model shows Brazos River 100-year flood elevations to be in the range of 109 to 113 in the study area. These elevations are generally 1 to 2 feet above natural ground.

- C. Protection of Section I of the subdivision was determined not to be technically or economically feasible, within the Scope of this Study. Factors in this determination included the aggressive erosion of the river banks along Section I, excessive levee length and setback requirements. Protection of Section I by other means not evaluated under the Scope of this Study may be possible. Protection of Sections II and III was determined to be feasible.

- D. A 100-year levee system, including associated detention storage, diversion channel, main channel and collector channel would cost approximately \$1.81 million to construct, not including land acquisition. Construction of this system is recommended as the preferred alternative. Possible sources of funding are discussed in Section VI, Subsection I.

- E. Computer modeling shows that the proposed levee system could be constructed to protect Sections II and III of Brazos Valley subdivision, without adversely affecting floodplain elevations in adjacent areas.

- F. Non-structural options to reduce flood damage and related financial losses are also available. Flood insurance and mitigation insurance should be promoted to reduce the financial impact of flooding.

- G. Revision of the City's floodplain management ordinances to require that new construction be at a minimum of one foot above the 100-year floodplain is also recommended to reduce flood losses in the future.

- H. The U.S. Army Corps of Engineers has recommended that a Feasibility and Design Study be conducted, based on findings of a recently completed Initial Appraisal Report. The City is urged to work with the Corps to support this recommendation.

II. INTRODUCTION AND SCOPE

This Flood Protection Planning Study for the Brazos Valley Subdivision Area, City of Simonton, Texas was funded by the City of Simonton (the City) and the Texas Water Development Board (TWDB) through a matching grant, under TWDB Contract No. 96-483-162, approved October 19, 1995. Fort Bend County is a participant in the study, under an interlocal agreement dated January 18, 1996.

This Study was prepared by Claunch & Miller, Inc. (CMI) under a contract with the City of Simonton, dated May 7, 1996. Half Associates, Inc. served as a subconsultant to CMI, performing the hydraulic modeling for the Study and preparing the sections dealing with non-structural alternatives, as well as providing general consultation. Landtech Consultants, Inc. provided surveying services for the Study.

The purpose for this Study was "to address certain flood-related issues facing the City and to develop a workable flood protection plan for the portion of the City in and around the Brazos Valley Subdivision". The Scope of Services directs that certain specific structural flood protection alternatives be considered, including a levee, internal drainage improvements, and culvert improvements along FM 1093. The Scope of Services also directs that non-structural management alternatives be evaluated.

During the development of the Scope of Services, several structural flood protection alternatives were eliminated from consideration by agreement between the Engineer and the City. Among the alternatives eliminated were major channel rectification on the Brazos River, construction of a relief channel across the narrow area between the river meanders adjacent to Brazos Valley Section I, and provision of riverbank erosion control measures. These alternatives, although potentially beneficial, were eliminated as being economically or technically infeasible, or too localized in terms of the benefits provided.

III. BACKGROUND INFORMATION

The Study Area is located in the northwest portion of Fort Bend County and consists of the Brazos Valley Subdivision, Sections I - III, also known as Valley Lodge, and the surrounding area (*See Exhibit 1*). This area is bordered roughly by FM 1093 and the Southern Pacific Railroad on the south, the Brazos River on the west, and agricultural properties to the north and east.

The portion of the Study Area within the platted subdivision sections lies within the City limits of the City of Simonton, while the adjacent areas lie within the unincorporated areas of Fort Bend County. Valley Lodge is a residential development consisting of 622 lots on approximately 675 acres of land, originally developed in the late 1950's. Currently, there are approximately 195 homes in the development, as well as several commercial establishments. Construction of residences continues within the development at a modest pace.

The majority of the Study Area lies within the 100-year floodplain of the Brazos River, as seen from the National Flood Insurance Program's Flood Insurance Rate Maps for Fort Bend County (*See Exhibit 2 in back pocket*). The floodplain of the Brazos River extends eastward from the river to a ridge of higher ground along Bessie's Creek and westward into Austin County to near SH 36 (*See References 1&2*).

Examination of the floodplain maps indicates that the Study Area is subject to shallow flooding, typically at depths of 1-2 feet during the 100-year event. Recent flood events occurred in December 1991 - January 1992 and October 1994. Local officials report that approximately 100 structures were flooded during the 1991 event and approximately 125 in the 1994 event. The U.S. Army Corps of Engineers (USACE) reports that 96 homes were flooded in the 1994 event (*See Reference 3*). Data from the National Flood Insurance Program indicates that 163 claims for flood damages have been paid in Simonton since 1978 (*See Reference 4*). Losses from these claims total \$4.4 Million within the City.

Following the 1994 flood, the U.S. Army Corps of Engineers conducted a preliminary study of the area, at the request of City officials (*See Reference 3*). The USACE Initial Appraisal report evaluated the technical, economic and environmental issues involved in providing flood protection for the Study Area. The conclusions reached in the Initial Appraisal report indicate that a levee project to provide flood protection for portions of the Study Area is feasible and warrants more detailed study. The findings of the current Study strongly support those of the Initial Appraisal report.

IV. STRUCTURAL ALTERNATIVE ANALYSIS

In order to reduce or eliminate flood damage in the Study Area, three primary structural means have been addressed in this Study. A fourth group of measures has also been analyzed as a means of providing interim protection that can be undertaken in the near future and at moderate cost. The various alternatives that have been evaluated are discussed in the following paragraphs.

A. LEVEE SYSTEM

A levee system, including associated detention and internal drainage facilities, has been analyzed as a means to provide flood protection for the Valley Lodge area. A hydraulic analysis of the effect of the proposed levee system on the Brazos River floodplain follows in Section V of this report.

The physical layout of the subdivision and the relationship of the various sections to each other and to the natural drainage features strongly affects the feasible options for a levee system. In particular, the location of Section I presents major problems in developing a technically and economically feasible levee system for the entire subdivision. Because Section I is not adjacent to Sections II and III, approximately 15,000 feet of additional levee would be required to protect Section I, resulting in a substantial cost increase. To further complicate the situation, the immediate proximity of Section I to the Brazos River channel

at both its north and southwest sides severely reduces the portion of Section I that could be protected by a levee. Using a minimum setback of the levee from the riverbank of 500 feet would result in nearly half of Section I being located outside the levee, including a substantial number of residences. Finally, the protrusion of a levee around Section I into the flow regime of the floodplain indicates that significant technical difficulty in eliminating the affects of the levee on the floodplain could be expected.

The USACE Initial Appraisal Report reached similar conclusions concerning Section I, based in particular on the Corps criteria that a project must have a life of at least 50 years, which they did not believe possible due to the very active erosion by the Brazos River of the riverbank in the vicinity of Section I.

For these reasons, it was decided early in the Study that a levee around Section I was not feasible, and that alternative was dropped from further consideration.

Section II and III of Brazos Valley Subdivision are much more favorably situated for protection by a levee system. *Exhibit 3* shows a proposed levee alignment that could be utilized to protect these subdivision sections. Beginning at the higher natural ground near Bessie's Creek, northeast of Section II, the proposed levee would run west along the Rue Road alignment, then turn south, generally paralleling the western limits of Sections II and III, ending on higher natural ground near FM 1093. This alignment comprises approximately 15,000 feet of levee.

Based on the Federal Emergency Management Agency's (FEMA) design criteria, the proposed levee would have 4:1 side slopes, with a 10-foot top width. A typical cross-section of the levee is shown on *Exhibit 4*. Levee heights are based on FEMA's 100-year base flood elevations. Freeboard above the 100-year base flood elevation is generally required to be 3 feet, increasing to 3.5 feet at the upstream end of the levee and to 4 feet adjacent to structures. Using these criteria, the proposed levee alignment shown on *Exhibit 3* would require approximately 151,000 cubic yards of material to construct.

Levee heights for the proposed alignment average 5.3 feet, including freeboard. Maximum height of the levee, adjacent to the Detention Storage Area, is just under 14 feet.

Other key components of the levee system include the proposed Diversion Channel south and east of the subdivision, the proposed Detention Storage Area west of Section III, and the Main Outfall Channel.

The existing drainage channel serving Sections II and III runs northwest from the southeast corner of the development near FM 1093 and Chisolm Road to outfall into the Brazos River north of the Valley Lodge Clubhouse. The drainage area of this channel where it crosses the proposed levee alignment is approximately 1938 acres, based on contour data shown on the USGS Topographic Quadrangles of this area.

Table 1 provides runoff data for the watershed; locations referred to are shown on *Exhibit 3*.

**TABLE I
RUNOFF DATA**

Location	Description	Incremental Drainage Area (ac)	Percent Imperviousness	Runoff Volume (ac-ft)		Peak Discharge (cfs)	
				25 Year	100 Year	25 Year	100 Year
A	Upstream Area	1067	10%	498	699	840	1075
B	Subdivision	482	20%	243	386	575	725
C	Detention/ Undeveloped	124	60%	81	108	368	470
	Totals/Avg.	1673	16.6%	842	11167	1250	1550

Examination of the data in *Table I* indicates that approximately 1067 acres of the 1673 acre total drainage area lies upstream of the subdivision. This upstream drainage area contributes approximately 60% the runoff volume reaching the main channel and the outlet structure through the levee.

Currently, the drainage area upstream of Valley Lodge is largely undeveloped, however, with future development, the runoff volume originating in this area could increase substantially. During flood events on the Brazos River, runoff originating upstream (inside) the outlet structure of the levee must be either stored until gravity discharge is possible or pumped out of the levied area to prevent flooding from internal drainage. The proposed levee alignment analyzed in this Study was planned to enclose an existing low-lying area west of Section III for use as a detention storage basin. This area, formed by an old meander of the river, has ground elevations 10-12 feet lower than the adjacent subdivision. By enclosing a portion of this natural low area within the levee, a detention storage basin is created and the need for stormwater pumps is eliminated.

Unfortunately, the substantial existing drainage area and resulting runoff volume requires that a large storage area be created. In order to reduce the amount of runoff to be stored, a diversion channel has been proposed to route the upstream drainage away from the subdivision. By constructing a channel along the east side of Section II south across FM 1093 and the Southern Pacific Railroad, then west to the Brazos River, the 1067 acre drainage area upstream of the subdivision can be routed around the levied area directly to the river. This proposed diversion channel effectively addresses several technical issues. It eliminates the need to provide detention storage volume for the upstream area, as well as eliminating concerns about increases in runoff resulting from the future development of the upstream portion of the watershed. In addition, it provides a source of material from which to construct the levee, assuming the soils along the diversion channel are suitable.

By constructing the proposed diversion channel, the peak 100-year flow in the main channel is reduced from 1,550 cfs to 1,020 cfs, and the 100-year storage volume from 842 ac-ft to 324 ac-ft. The 100-year storage volume with the diversion channel produces a ponding elevation of 105.7 in the detention boom.

The proposed diversion channel, if designed for 100-year existing conditions (1075 cfs discharge) with one foot of freeboard, would be approximately 11 feet deep, with a 6 foot bottom width and require a 132 foot right-of-way width. This channel would generate approximately 190,000 cubic yards of excavation. If no freeboard were required, the diversion channel would generate approximately 164,000 cubic yards of excavation.

B. INTERNAL DRAINAGE IMPROVEMENTS

Improvements to the internal drainage system in the Study Area are another means of providing increased flood protection for the Valley Lodge development. Although internal drainage improvements cannot provide protection from the 100-year flood event on the Brazos River, they can provide increased levels of protection from localized storm events that can also produce flooding.

The City of Simonton has previously conducted an internal drainage study of all three sections of Brazos Valley Subdivision (*Reference 5*). This prior study addresses roadside ditch and culvert improvements for three-year storm events. These improvements are currently being implemented, and will only be addressed herein as they relate to flood protection for longer return interval storm events.

1. **Main Channel**

An existing Fort Bend Drainage District channel (Unit II-YY), referred to herein as the Main Channel, crosses Sections II and III of Brazos Valley Subdivision. This channel skirts the north side of an existing lake west of Section III and crosses the Valley Lodge Golf Course to outfall into the Brazos River. A 120-foot wide drainage easement for this channel exists across Sections II and III.

The drainage area of this channel consists of the 1067 acres of upstream watershed previously discussed, plus the internal drainage area of Sections II and III. At the downstream side of Section III, this internal drainage area is approximately 327 acres, for a combined total of 1394 acres. *Table 2* provides drainage data on this channel.

**TABLE 2
MAIN CHANNEL DISCHARGES**

Location	Incremental Drainage Area (ac)	Percent Imperviousness	Peak Discharge (cfs)	
			25 Year	100 Year
Upstream of Chisolm Road	1067	10%	840	1075
Downstream of Fort Bend Drive	327	20%	425	540
Total	1394	12%	1050	1300

Detailed survey data of this channel was not gathered under the scope of work for this Study; however, using data taken from a previous study (*See Reference 5*), it was possible to conduct an approximate analysis for this channel. Data on the Main Channel section is tabulated in *Table 3*.

**TABLE 3
MAIN CHANNEL CROSS SECTION DATA**

R.O.W. Width	<u>Fort Bend Drive</u> 120'	<u>Wagon Road</u> 120'
<u>Existing Section</u> ⁽¹⁾		
Bottom Width	25'	15'
Side Slopes	3:1	3:1
Channel Depth	10'	7'
Top Width	85' ⁽³⁾	57'
Flow Depth, 25-Year	7.0'	7.5' (Exceeds Channel Depth)
Flow Depth, 100-Year	9.1'	8.7' (Exceeds Channel Depth)
<u>Required Section Without Diversion</u> ⁽²⁾		
Bottom Width	15'	10'
Side Slopes	3:1	3:1
Channel Depth	12'	10.4'
Top Width	87' ⁽³⁾	72' ⁽³⁾
Flow Depth, 100-Year	10.9'	9.4'
Notes: (1) Based on information from PKI plans, dated 1/14/95. (2) Based on FBDD Criteria Manual. (3) Maintenance berm width inadequate. Minimum 30' required.		

Examination of the data in *Table 3* shows that the existing channel could be improved to meet Ft. Bend Drainage District (FBDD) requirements for 100-year capacity with one foot of freeboard by deepening the channel within the existing right of way. In order to meet FBDD's criteria for maintenance berm width an additional 10 to 30 feet of right of way would have to be acquired. The existing channel does not fully meet the criteria for maintenance berm width at this time.

When the effects of the proposed Diversion Channel are evaluated, the existing channel does have adequate capacity to handle the reduced 100-year discharge at a flow depth of approximately 5 feet.

Existing road crossings of the Main Channel within Valley Lodge were also analyzed. These culvert structures were found to be significantly undersized for either the existing 25-year or 100-year discharges, resulting in excessive head losses. In order to pass the 100-year existing flows, these culverts would have to be completely replaced with substantially large structures. However, with the proposed Diversion Channel in place, the existing structures would be adequate for 100-year flows with head losses of less than 0.5 feet.

2. Secondary Outfalls

The northern portion of Section II, consisting of approximately 155 acres, drains westward to the existing oxbow lake northwest of the subdivision. Outfalls to this lake occur at Rue Road and at two locations along Pony Lane, near Cavalry Road and at Tejas Road. The existing capacities of these outfalls were not analyzed as a part of this Study; however, to be consistent with FBDD criteria, these outfall channels should also be designed for 100-year capacity with freeboard.

Improvement of these outfalls to 100-year capacity would generally improve the internal drainage in this area of the subdivision; however, there are several factors which weigh against making these improvements. First, it has been reported by the landowner that there are no drainage easements on these facilities across the ranchland west of Section II. If this report is accurate, appropriate easements should be obtained to clear up this situation.

Secondly, these three outfalls are not well suited to the proposed levee system. The general practice in the design of levee systems is to limit the number of outfalls and other levee penetrations to the minimum possible, as outfall structures are not only costly but also represent potential weak points in the system. Furthermore, the need to provide detention storage indicates that these outfalls should be directed into the proposed storage basin.

In consideration of these factors, it is proposed that a collector channel be constructed to intercept these three outfall ditches and carry their flows to the detention storage area. This collector channel would allow a single outfall structure through the levee to be maintained, as well as taking advantage of the central detention area. *Table 4* provides design data for the proposed collector channel.

TABLE 4
COLLECTOR CHANNEL DATA

Drainage Area (ac)	Peak Discharge ⁽¹⁾ (cfs)		Section Elements ⁽²⁾				
	25 Year	100 Year	Bottom Width	Side Slopes	Flow Depth	Channel Depth	Top Width
155	240	310	6'	3:1	5'	6'	42'
Notes:		(1) Based on a 20% imperviousness					
		(2) Based on 3 fps velocity with 1 foot of freeboard for 100-year event.					

This collector channel could be located either along the inside toe of the proposed levee or along the perimeter of Sections II and III. In either case, the collector channel would need to be tied into the main channel within the storage area. These alignments would require 7,500 to 8,100 feet of channel be constructed, respectively, generating 40,000 to 43,000 cubic yards of excavation. A drop structure would be needed in either case, at the point where the collector channel enters the storage area, due to the rapid change in existing ground elevations at this location.

An alternative to this collector channel would be to combine the three existing outfalls into a single channel outfalling to the oxbow lake by means of a second outlet structure through the levee. Detention storage for this facility could be provided by excavating a detention pond near the second outlet. The required detention volume for this drainage area would be approximately 108 acre feet (174,000 C.Y.); the required storage volume of the main storage basin would be reduced accordingly. However, the cost of excavating this storage volume is probably prohibitive.

3. Section I Internal Drainage

Internal drainage for Section I of Brazos Valley Subdivision is provided by means of roadside ditches draining south to FM 1093. The existing ditch along the north side of FM 1093 has been enlarged and several culverts replaced since the 1994 flood to improve drainage in this area. No other major channels or FBDD ditches serve Section I.

Analysis of the recently enlarged culverts along the north ditch of FM 1093 indicates that they have moderate head losses under 25-year and 100-year flows. The capacity of this ditch was not analyzed because of uncertainties regarding the changes to the FM 1093 drainage system that are currently being undertaken by Texas Department of Transportation (TxDOT).

The capacity of this system should be re-evaluated after completion of TxDOT's project. As indicated previously, FBDD criteria calls for outfall channels to be designed for 100-year flows.

C. FM 1093 DRAINAGE IMPROVEMENTS

The existing FM 1093 roadway improvements and the Southern Pacific Railroad embankment constitute a major, if not natural, drainage feature of the Study Area for both local drainage and Brazos River flood flows.

Elevations along the center line of FM 1093 are typically 1 to 1 ½ feet above surrounding grades, while the railroad embankment is 4 to 6 feet above natural ground. Cross drainage structures under FM 1093 are limited to several small culvert crossings and one larger structure located on the Main Channel near Chisolm Road. Trestles are used to convey cross drainage under the railroad at multiple locations along the area of interest.

During recent flood events the FM 1093 culvert crossings were observed to be inadequate to convey the flows that occurred, resulting in a backwater effect and eventual overtopping of the roadway. This effect is widely believed by residents to have contributed to internal flooding by raising the upstream water surface elevations.

At the request of the City officials, TxDOT has agreed to install six additional culvert crossings along FM 1093 and a larger roadside ditch along the south side of the roadway to help improve this situation. These culverts are currently being constructed at existing low points along the roadway. These culverts were sized on the basis of available depth in the new ditch, and are typically 24 to 36 inches in diameter. While improving local drainage and helping to relieve the backwater effect caused by FM 1093, these culverts were not designed to handle a specific frequency event. As such, it is difficult to quantify their overall effect on the flood situation in the Study Area without an extensive modeling effort.

As mentioned in the previous section, the FM 1093 drainage system should be re-evaluated after completion of TxDOT's project, when the final system characteristics have been established.

D. INTERIM IMPROVEMENTS

In any flood-prone area, it is incumbent on those charged with flood protection planning to provide the maximum degree of protection appropriate for the area. In cases of residential areas, the accepted standard of practice in the flood protection field is to provide protection from the 100-year flood event. In many circumstances an even higher degree of protection is warranted; for example, the flood of record on the Brazos (the 1913 flood) produced water surface elevations 10-12 feet higher than the 100-year flood in this area.

However, even when the ultimate goal is to provide a 100-year level of protection as recommended in this Study, the realities of economics and the time frames required to implement a substantial project sometimes dictate that a project be developed in stages or interim phases that provide a lesser degree of flood protection than ultimately sought, but which can be constructed much sooner or more economically.

The following interim measures are proposed as preliminary phases of the long range flood protection project for the Study Area. These measures do not provide protection from the 100-year flood, but are selected to provide a degree of protection that will help to reduce flood damages in the area and that can be accomplished more expediently and more economically than the overall project could be.

To the maximum extent possible, these interim measures should be carried out in a manner that will allow them to be incorporated into the ultimate flood protection plan without waste and without jeopardizing the ability to obtain regulatory approval of the ultimate facilities.

1. Interim Levee Improvements - Rue Road

Construction of the proposed levee segment along Rue Road at the north end of Section II would help to protect the northern portion of the subdivision. Approximately 2500 feet of levee would be required to connect the higher natural ground near Bessie's Creek to that along the oxbow lake near the northwest corner of Section II. The existing Rue Road right of way has been offered to the City of Simonton by Fort Bend County, so right of way acquisition time should be minimal, although some right of way may need to be acquired from private landowners at each end of this segment. The base width of the levee is narrow enough to fit within the existing right of way in this segment

The 100-year water surface elevation at this location, based on the updated HEC-2 model is 112.25. Under FEMA design criteria, this upstream segment of the proposed levee should have 3.5 feet of freeboard, resulting in a top elevation of 115.75. Existing natural ground elevations would allow this segment of the levee to be closed off to approximately elevation 113 before overland flow would occur at the west end. Although the elevation of the existing roadway would need to be raised only slightly more than one foot to meet the 113 elevation, it is recommended that this segment be constructed to the ultimate height of 115.75. Since this segment of the levee is anticipated to continue to serve as a means of access to the adjacent ranch properties, it would be justified to rebuild the existing crushed stone road surface on top of the ultimate levee at this time to avoid the cost of rebuilding it with each interim phase of construction. The entire segment of the ultimate levee along this alignment requires only 9,190 cubic yards of embankment versus 4,480 cubic yards at elevation 113, so the additional cost to complete the ultimate section is not excessive.

In addition to constructing the levee, Sagebrush Road would have to be elevated to cross the levee.

2. Outfall Improvements

The existing outfalls from the northern portion of Section II to the oxbow lake are currently unprotected from having floodwater backup through them at a lower elevation than would be required to overtop the natural ground along the southeast side of the lake. These outfalls could be protected by the addition of either flap gates or stop logs to the downstream ends of the culverts, where they outfall into the lake. Ideally, these outfalls would be combined into a single outfall point to minimize penetrations of the ultimate levee, by constructing a portion of the proposed collector channel.

Alternatively, a portion of the proposed collector channel could be constructed to direct these outfalls south to the proposed detention storage area, again with flap gates or stop logs to prevent backflow.

For either of these options, rights of way or easements across the private property involved would need to be acquired.

3. Road Crossing Culverts

The existing road network along the west side of Section II and III forms a levee-like perimeter of higher elevations that could provide protection to a foot or so above surrounding grades, if the existing drainage structures crossing the roads were protected.

Primary among these is the Fort Bend Drive crossing of the Main Channel, which consists of four 84 inch culverts. Provision of flap gates or stop logs on these culverts would force floodwaters from the Brazos River to exceed elevation 111.5 before overtopping the road at this location.

Likewise, the other existing culverts crossing these perimeter streets along the west side could be either eliminated by changing the roadside ditch grading patterns or protected by flap gates or stop logs. Since these cross culverts are typically small diameter, the costs of construction would be modest. Right of way acquisition would not be a factor either, as these streets are already in the public domain.

Unfortunately, the properties west or north of these streets would not be protected, as they would be on the outside of the perimeter created. Also, this roadway perimeter would not protect against flooding resulting from rainfall internal to the subdivision.

If the City chooses to implement any interim flood protection measures, it will be very important to ensure that the benefits of these measures are not misrepresented to residents or prospective property buyers in the area.

4. Interim Levee Improvements - Bridal Path

One alternative levee alignment under consideration would be adjacent the west property line of Section II from the northwest corner of the subdivision south to the north line of Section III, then west towards the Detention Storage Area. This alignment could be used for either the ultimate levee or for an interim levee.

For interim levee purposes, an existing 18 foot wide bridal path easement along the boundary of Sections II and III could be used for a temporary levee easement, until permanent easements could be acquired. Within this temporary easement, a portion of the ultimate levee cross section could be constructed to provide interim protection. Using 3:1 side slopes, a two foot high levee with a 6 foot top width could be constructed within the existing easement width. This height would place the top of the levee at approximately the 100-year flood elevation in this area, but without any freeboard.

This portion of the levee alignment is approximately 5,500 feet long and would involve roughly 4,900 cubic yards of embankment, with the interim cross section described above.

Use of the existing easement would require that the three secondary outfall channels previously mentioned be addressed separately, as no space would remain for construction of a collector channel, except within the subdivision lots. In addition, the legal issues regarding conversion of the bridle path easement to levee purposes would have to be addressed.

If properly constructed, this interim levee section could be incorporated into the ultimate levee without significant modifications.

V. HYDRAULIC ANALYSIS

The main channel of the Brazos River in the vicinity of the City of Simonton was modeled with the U.S. Army Corps of Engineers Hydrological Engineering Center HEC-2 computer program (*See Reference 6*). The current HEC-2 model utilized for the FEMA Flood Insurance Study was obtained from the Fort Bend County Engineering Department. The model was updated to include an additional channel cross section. This cross section was surveyed as part of this study to provide additional topographic detail in the area beyond what is provided in the current HEC-2 model. The cross section is shown in Figure 1 and spans the Brazos River Flood Plain from the Pony Lane -Canyon Road intersection to the west into Austin County.

The HEC-2 model was run for a 100-year frequency event. The 100-year frequency flow in the Brazos River is 181,000 cfs in the vicinity of the City of Simonton based upon the Fort Bend County Flood Insurance Study (*See Reference 7*). The Southern Pacific Railroad bridge and the FM 1093 bridge are hydraulically close and were modeled in the current model as a single bridge. These bridges provide a backwater effect of approximately 0.35 feet for the 100-year stream flow event. (*See Table 5.*) The locations of the bridge cross sections and other cross sections utilized in the HEC-2 model are shown in *Figure 2*. It

should be noted that cross-section BH (Section No. 135.00) and the newly surveyed cross-section (Section No. 134.97) are the only two cross sections that can be identified in FEMA's model as intercepting the proposed levee alignment. Cross section BG (Section No. 135.4) listed in Reference 6 is not in FEMA's HEC-2 model.

Table 5

BACKWATER EFFECT FROM FM 1093 AND SPRR BRIDGES			
RETURN FREQUENCY	WSEL UPSTREAM SECTION 127.90	WSEL DOWNSTREAM SECTION 127.61	DIFFERENCE
10 YR	102.01	101.86	0.15
50 YR	107.53	107.18	0.35
100 YR	109.17	108.82	0.35
500 YR	112.42	112.14	0.28

A levee was introduced into the FEMA Natural Model and the Revised Existing Conditions HEC-2 model to determine the effect on water surface elevations and flood plain widths the proposed levee would have on the surrounding area. The levee was modeled with four to one side slopes (horizontal to vertical) and was located with two alignments along the western edge of Section II of the Brazos Valley Subdivision and 1,800 feet to the west of Section II of the Brazos Valley Subdivision (*see Figure 2*). The changes to water surface elevations and flood plain widths from the proposed levee alignments are shown in *Table 6*.

Based on a comparison to the current HEC-2 model and Federal Emergency Management Agency reports (*References 7 and 1*), the levee would cause no rise in water surface in the Brazos River near Canyon Road and increase the flood plain width by 19 feet for the Revised Model with levee alignment number 2, and only 8 feet with alignment number 1. The impact of both levee alignments on the 100-year water surface elevation is minimal, causing a maximum calculated increase of 0.01 feet for the Revised Model with levee alignment number 2, and no increase for alignment number 1. The calculated velocity in the overbank is approximately 0.9 feet per second compared to 7.7 to 8.8 feet per second in the main

channel. The ability for the overbank to convey water would not be severely impacted by the levee, since the velocity is relatively small compared to the channel velocity. The channel velocity is roughly nine times the overbank velocity. The reduction in cross sectional area by the presence of the levee is small. The overbank area is reduced by 0.3 percent.

Areas for further study should include an update or restudy of the Brazos River. The stream flow rates used in the HEC-2 model that are the basis of the current Flood Insurance Study (FIS) (*Reference 7*) and the Flood Insurance Rate Map (*Reference 1*) may be changed in future studies by the Corps of Engineers. The Corps of Engineers Galveston District has questioned the accuracy of the flood discharges shown in the FEMA Flood Insurance Study. The discharges appear low based on flood damage that occurred during the 1991 and 1994 Brazos River floods (*Reference 8*). The Corps of Engineers may re-evaluate the flows and Base Flood Elevations during the proposed Reconnaissance Study to refine the benefit analysis and gather additional data (*Reference 3*).

Additional concern regarding the flow rates used by FEMA arises from the HEC-2 model. The model uses a constant 100-year stream flow of 181,000 cfs for the entire 85 stream miles of the Brazos River in the FEMA FIS for Fort Bend County. The Brazos River within Fort Bend County has several confluences including Cow Creek, Big Creek and Jones Creek. It is expected that stream flows would change in the Brazos River at these confluences. Correspondence from the Federal Insurance Administration to Fort Bend County Commissioners Court, in response to a March 1, 1976 resolution (*Reference 9*), estimated the Brazos River 100-year flood discharge to be 209,000 cfs.

The additional channel cross-section (Section No. 134.97) caused a 0.08 foot increase in water surface elevation at Section No. 138.00 which is approximately 3.1 miles upstream. The increase in water surface elevation affects approximately 4 miles of the Brazos River from Section No. 135.00 to 139.00 as shown on *Table 6* for Revised Existing Conditions. This additional cross-section is at a higher resolution of detail. The number of data points is greater than those used in the existing current HEC-2 model. The channel at this location

is narrower than is indicated by adjacent cross-sections in the existing current HEC-2 model as show in *Figure 1*. A narrower channel would require a greater flow depth to convey the same flow rate.

Based on the analyses performed with the current Flood Insurance Study, Fort Bend County (*Reference 7*) HEC-2 model, a flood protection levee would not significantly impact the Brazos River watershed. This finding is consistent with the U.S. Army Corps of Engineers' study of the Brazos Valley Subdivision (*Reference 3*). To revise the Flood Insurance Rate Maps, the flood control levee would have to be designed in accordance with FEMA's National Flood Insurance Program (*Reference 10*) regulations as shown in Appendix A. As a minimum, the levee would have to have four to one side slopes, a minimum of three feet of freeboard (four feet near structures), and an approved maintenance plan.

The proposed Section 205 Feasibility and Design Study by the U.S. Army Corps of Engineers should address potential changes in the Brazos River discharges and water surface elevations that may affect future flood protection planning efforts.

James Mirabal, P.E. Texas Natural Resource Conservation Commission (TNRCC) State Reclamation Engineer, stated that TNRCC approval was not required to construct a flood control levee within a community that is participating in the National Flood Insurance Program. Mr. Mirabal stated that the requirements of the Texas Water Code and the National Flood Insurance Program apply to Flood Protection Levee projects such as:

- (1) Formal approval must be obtained from both Fort Bend County and the City of Simonton prior to levee construction.
- (2) All adjacent landowners upstream and downstream on the Brazos River must be formally notified and given an opportunity to comment on the proposed levee project. This would include Austin County.
- (3) Legal Public Notice prior to construction.

- (4) The levee must be designed, constructed and maintained as per accepted engineering practices and standards including the Corps of Engineers and FEMA.

During two public meetings held during the course of this study there were concerns raised regarding the Brazos River Floodway. The Brazos River Floodway was established by FEMA as part of the Fort Bend County Flood Insurance Study (*Reference 7*). The Brazos River Floodway was computed by FEMA on the basis of equal conveyance reduction from each side of the floodplain. The minimum Federal standards were used to identify the floodway as the area of the 100-year floodplain that includes the channel and adjacent floodplain that must be kept free of encroachment so that the 100-year flood can be carried without increasing the base flood elevation more than 1.0 foot. The floodway identified by FEMA was adopted by the City of Simonton, Fort Bend County and adjacent Austin County.

The proposed City of Simonton Flood Protection Levee was aligned outside of the Brazos River Floodway as required by the Flood Damage Prevention Ordinances of the City of Simonton, Fort Bend County, Austin County and FEMA Floodplain Management Regulations.

TABLE 6

		Natural Model					Differences					
Existing FEMA Model		with Levee Alignment #1			with Levee Alignment #2		Alignment #1 and Natural		Alignment #2 and Natural			
HEC-2 STA	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)
127.63	108.85	5,926	108.85	5,926	108.85	5,926	0	-	0	-	0	-
127.9	109.17	7,370	109.17	7,370	109.17	7,370	0	-	0	-	0	-
129.9	110.63	26,204	110.63	26,204	110.63	26,204	0	-	0	-	0	-
130.7	110.89	34,106	110.89	34,106	110.89	34,106	0	-	0	-	0	-
132.2	111.15	19,600	111.15	19,600	111.15	19,600	0	-	0	-	0	-
133.9	111.68	21,906	111.68	21,906	111.68	21,906	0	-	0	-	0	-
134.97	---	---	---	---	---	---	---	---	---	---	---	---
135	111.85	13,887	111.85	11,800	111.84	10,000	0	(2,087)	-0.01	(3,887)	-0.01	(3,887)
137.1	113.99	13,476	114.01	13,490	114.03	13,504	0.02	14	0.04	28	0.04	28
138	114.79	14,981	114.8	15,002	114.82	15,024	0.01	21	0.03	43	0.03	43
139	115.64	15,200	115.65	15,200	115.66	15,200	0.01	-	0.02	-	0.02	-

		Revised Model (includes new cross section)					Differences					
Revised FEMA Model		with Levee Alignment #1			with Levee Alignment #2		Alignment #1 and Revised		Alignment #2 and Revised			
HEC-2 STA	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)	100 Year WSEL (feet)	100 Year Floodplain Width (feet)
127.63	108.85	5,926	108.85	5,926	108.85	5,926	0	-	0	-	0	-
127.9	109.17	7,370	109.17	7,370	109.17	7,370	0	-	0	-	0	-
129.9	110.63	26,204	110.63	26,204	110.63	26,204	0	-	0	-	0	-
130.7	110.89	34,106	110.89	34,106	110.89	34,106	0	-	0	-	0	-
132.2	111.15	19,600	111.15	19,600	111.15	19,600	0	-	0	-	0	-
133.9	111.68	21,906	111.68	21,906	111.68	21,906	0	-	0	-	0	-
134.97	111.6	10,903	111.6	9,978	111.6	8,621	0	(925)	0	(2,282)	0	(2,282)
135	---	---	---	---	---	---	---	---	---	---	---	---
137.1	114.1	13,555	114.1	13,561	114.11	13,568	0	6	0.01	13	0.01	13
138	114.87	15,099	114.87	15,107	114.88	15,118	0	8	0.01	19	0.01	19
139	115.7	15,200	115.7	15,200	115.71	15,200	0	-	0.01	-	0.01	-

VI. NON-STRUCTURAL ALTERNATIVES

The City of Simonton has experienced flooding from Brazos River overflows as recently as October 1994 when 96 homes were flooded with damages estimated at \$2.5M. The City Council has requested the assistance of the Texas Water Development Board and the U.S. Army Corps of Engineers in identifying structural and nonstructural alternatives to solving flooding problems. Nonstructural alternatives considered for the City of Simonton include:

- A. Flood Insurance
- B. Elevation of New and Substantially Improved Structures
- C. Mitigation Insurance
- D. Retrofitting Flood-prone Structures
- E. Acquisition and Relocation
- F. Development Controls

A. NATIONAL FLOOD INSURANCE PROGRAM

The Federal Emergency Management Agency (FEMA) Region VI Office in Denton, Texas administers the National Flood Insurance Program (NFIP) in the region that includes Texas, New Mexico, Arkansas, Oklahoma, and Louisiana. The FEMA Region VI Office provides assistance to the Designated State Coordinator Agency within each state. In Texas, the Texas Natural Resource Conservation Commission (TNRCC) is the designated state coordinator responsible for floodplain management within Texas. FEMA Region VI and TNRCC provided assistance after the October 1994 flood that was a Presidentially Declared Disaster. Fort Bend County and the City of Simonton were included within the Federal Disaster Area and eligible for Disaster Assistance to both public and private entities. Private citizen and business losses resulting from flooding have produced 163 flood insurance claims totaling \$4.4M within the City of Simonton based on FEMA's City of Simonton National Flood Insurance Program Report (*see Table 8*).

FEMA issues Flood Insurance Rate Maps (FIRM) that designate Special Flood Hazard Areas throughout the United States. The City of Simonton was included in the initial Fort Bend County Flood Insurance Study that produced FIRM's for all areas within Fort Bend County. Floodplain mapping for the City of Simonton is described in *Table 7*.

Table 7

FLOODPLAIN MAPPING			
City of Simonton			
Date	Map Type	BFE's	Floodway
7/9/76	FHBM (1)	No	No
8/4/87	FIRM	Yes	*
9/30/92	FIRM	Yes	*

FHBM - Flood Hazard Boundary Map (Floodplain boundary without Base Flood Elevations)

FIRM - Flood Insurance Rate Map (Floodplain boundary with Base Flood Elevations)

BFE - Base Flood Elevation (100-year flood elevation)

Floodway - Area adjacent to a stream or creek where development is prohibited unless it can be proven that development would not increase the BFE.

* - The Brazos River Floodway lies outside the City of Simonton

(1) - The Fort Bend County FHBM was initial map issued

The City of Simonton has participated in the National Flood Insurance Program since March 4, 1980. Flood insurance is available throughout the City of Simonton for structural and contents coverage. Flood insurance coverage limits are described in the March 1996 FEMA Bulletin (Appendix A). Flood insurance is considered the most efficient Nonstructural Floodplain Management Alternative. The purchase of flood insurance allows the individual to recover the financial loss from flooding where disaster loans and grants either require repayment or provide limited financial assistance. *Table 8* describes the flood insurance policies in force, flood insurance claims paid since 1979, and annual flood insurance premiums paid by citizens of Simonton.

Table 8

NATIONAL FLOOD INSURANCE PROGRAM City of Simonton, Texas 7/31/96	
Policies in Force	165
Flood Insurance Coverage	\$20,556,400
Claims (number since 1978)	163
Claims (amount since 1978)	\$4,468,006
Annual Premiums	\$81,677
Repetitive Loss Structures	26
Substantial Damage Claims	23

In 1997, FEMA plans to publish the Fort Bend County Flood Insurance Rate Map in a digital format. The proposed mapping effort will include the City of Simonton and all areas within Fort Bend County.

B. ELEVATION OF NEW AND SUBSTANTIALLY IMPROVED STRUCTURES

The City of Simonton's Flood Damage Prevention Ordinance (*Reference 12*) has been patterned after the Federal Emergency Management Agency (FEMA) minimum ordinance which is required for participation in the National Flood Insurance Program (NFIP). When a community fails to maintain the minimum FEMA requirements, they face the possibility of probation or suspension from the NFIP and possible loss of flood insurance and disaster assistance within the community.

It is recommended that the City of Simonton's Flood Damage Prevention Ordinance be updated to be compatible with the Fort Bend County Ordinance and to reflect potential increases in the Brazos River Base Flood Elevations. In October 1995, the U.S. Army Corps of Engineers Galveston District published the Section 205 Initial Appraisal Brazos Valley Subdivision, Simonton, Texas. This study was in response to serious flooding that occurred

in the City of Simonton in 1991 and 1994. Based upon public input at the City of Simonton June 6, 1996 Meeting, 110 structures flooded in the City of Simonton in 1991 and 125 structures flooded in 1994. The Corps of Engineers' Study reported that the 1991 flood had a 10 to 15 year return frequency and the 1994 flood had a 15 to 20 year return frequency. Based upon the large number of structures flooded by such a low return frequency event, the accuracy of the 100-year base flood elevations at Simonton as published on the FEMA Flood Insurance Rate Map is questionable. It is possible that the Corps of Engineers Feasibility and Design Study proposed for fiscal year 1997 will produce higher base flood elevations on the Brazos River at Simonton.

To transition to the proposed higher elevation requirements, it is recommended that the City of Simonton revise the current Flood Damage Prevention Ordinance to require the finish floor of new and substantially improved (over 50% improvement) structures be elevated a minimum of one foot above the FEMA Base Flood Elevation (BFE) as shown on the 1992 FIRM (*Reference 13*).

Implementation of an updated Flood Damage Prevention Ordinance will allow homeowners and developers of new construction to take advantage of flood insurance premium reductions and provide a freeboard of one foot above the base flood elevation.

C. ENCOURAGE CITIZENS AND PROPERTY OWNERS TO PURCHASE FLOOD INSURANCE.

Based upon the City of Simonton Flood Insurance Program Status Report provided by FEMA Region VI, Denton, Texas (see *Table 8*), a total of 163 flood insurance claims have been paid within the City of Simonton since 1978. The standard homeowner's insurance policy does not cover losses from rising water and flood insurance must be purchased to cover such damage. Due to the location of Simonton in proximity to the Brazos River and the threat of coastal or tropical storms, it is recommended that all citizens consider purchasing flood insurance. The City of Simonton has instituted a Public Information Program to inform

citizens of the availability of flood insurance and the local library at City Hall has an excellent selection of brochures, research documents, study reports and floodplain maps to inform interested citizens about floodplain management and flood prevention techniques.

Citizens that suffer flood losses and do not have flood insurance are often dependent on Federal, state and nonprofit relief programs. These relief programs are usually available only if the flood event is so serious that it is declared a Presidential Disaster. The October 1994 East Texas flood event was a Presidentially Declared Disaster and disaster relief was available to 38 Texas counties, including Fort Bend County. The City of Simonton sustained minimal damage to public owned properties and no Federal or state relief was requested or required. Many of the relief programs are loan programs and disaster victims are required to repay loans and carry flood insurance as a condition of the loan. The disaster victim with flood insurance coverage can simply file his claim and continue on as if it were any other type of insured loss.

D. MITIGATION INSURANCE

The Federal Emergency Management Agency has developed regulations for Mitigation Insurance as authorized by the National Flood Insurance Program Reform Act of 1994. Mitigation Insurance will be offered by FEMA beginning April 1, 1997 based on the March 1996 FEMA Bulletin included in Appendix A. Mitigation Insurance covers the cost to repair and reconstruct substantially damaged or repetitively flooded structures to comply with floodplain management regulations. The City of Simonton Flood Damage Protection Ordinance requires that substantially improved structures be elevated so that the lowest floor is above the base flood elevation. "Substantially improved" is defined by FEMA as any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures which have incurred "substantial damage," regardless of the actual repair work performed. The term does not, however, include either:

- (1) Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which is the minimum necessary to assure safe living conditions, or
- (2) Any alteration of a "historic structure," provided that the alteration will not preclude the structure's continued designation as a "historic structure."

In the event a major flood occurs in Simonton and structures are substantially damaged, a permit to rebuild cannot be issued unless the structure is brought into compliance either by reconstructing with the lowest finish floor elevated above the base flood elevation or retrofitting the structure by physically raising the structure where the lowest floor is above the base flood elevation. Mitigation insurance would provide additional funding above the standard flood insurance policy. Without the availability of mitigation insurance, the structure owner must bear the additional expense to reconstruct or retrofit (raise) the substantially damaged structure above the base flood elevation. In special circumstances it may be possible to flood-proof a structure to a level above the base flood elevation.

E. RETROFITTING FLOOD-PRONE STRUCTURES

The City of Simonton has 26 designated repetitive loss structures that have received two or more flood insurance claim payments since 1978. Public input at the June 6, 1996 Simonton Public Meeting indicates that the total number of flood-prone structures in Simonton exceeds 100. A total of 163 flood insurance claims have been paid in Simonton since 1978. Currently 165 flood insurance policies are in force in the City. While a flood protection levee is a preferred solution to the flood problem, one must be realistic regarding the requirements for approval, design, funding and construction of major levee projects that can be very costly and time-consuming. In the meanwhile, retrofitting flood-prone structures is a viable alternative. Retrofitting methods include:

- Elevation
- Relocation
- Dry Flood-proofing
- Wet Flood-proofing
- Flood walls/Levees

In FEMA's Engineering Principles and Practices for Retrofitting Flood-prone Residential Structures, IS-279/January 1995 (*Reference 13*), examples of retrofitting include:

Elevation: The elevation of the existing structure on fill or foundation elements such as solid perimeter walls, piers, posts, columns, or pilings.

Relocation: Relocating the existing structure outside the identified floodplain.

Dry Flood-proofing: Strengthening of existing foundations, floors, and walls to withstand flood forces while making the structure watertight.

Wet Flood-proofing: Making utilities, structure components, and contents flood-and water-resistant during periods of flooding within the structure.

Flood walls/Levees: The placement of flood walls or levees around the structure.

Estimated construction costs were prepared for each method and based on a prototype 2,000 square foot, brick veneer, residential structure on a concrete slab with a large lot with sufficient area for a flood wall or levee.

F. ESTIMATED CONSTRUCTION COSTS FOR RETROFITTING METHODS

<u>Method</u>	<u>Construction Cost</u>	<u>Description</u>
Elevation	\$45,500	2,000 sf. structure on slab elevated 3'
Relocation	\$55,500	2,000 sf. structure on slab relocated in area
Dry Flood-proofing	\$11,000	2,000 sf. structure dry flood-proofed 36"
2' Flood wall	\$27,400	12" wide x 2' high concrete wall
3' Flood wall	\$35,600	12" wide x 3' high concrete wall
2' Levee	\$21,000	2' earth levee with driveway ramp
3' Levee	\$35,700	3' earth levee with driveway ramp
Wet Flood-proofing	N/A	Not recommended for residential structures

The estimated construction cost is based on a 2,000 square foot, brick veneer residential structure on concrete slab. The preliminary design and estimated construction costs are based on FEMA's Engineering Principles and Practices for Retrofitting Flood-prone Residential Structures, IS-279-January, 1995.

A benefit cost analysis is based on 163 flood insurance claims paid in Simonton since 1978. Flood insurance claims total \$4,468,006 and the average flood insurance claim is \$27,411. Three retrofitting methods have a one-time construction cost less than the average flood insurance claim paid. The highest retrofitting method cost is relocation and the one-time benefit to cost ratio is 0.49. However, an average residential structure in the flood-prone area with a projected useful life of 50 years has the potential of flooding many times. Twenty-six structures in Simonton have been paid two or more flood insurance claims since 1978. In the 1991 and 1994 floods over 100 structures were flooded in each flood. Based on the large number of flood-prone structures in Simonton, elevation and relocation would be economically feasible retrofitting methods. Each structure to be retrofitted should be analyzed based on the relationship of the lowest floor to the 100-year base flood elevation. Elevation and relocation are the most expensive methods analyzed but they provide the highest degree of safety and do not require continual maintenance as do flood walls, levees and dry flood-proofing.

Dry flood-proofing requires design by a professional engineer due to engineering analysis required. FEMA also requires certification by a professional engineer to adjust the insurance rate applied to a flood-proofed structure. Dry flood-proofing is normally applicable to commercial structures with concrete walls or masonry block construction. Brick veneer residential structures must be coated with a waterproofed barrier considered objectionable to most homeowners. Flood shields must be installed for all openings below the flood-proofed level. Doorways can be configured with a Dutch door apparatus that allows flood-proofing up to three feet.

Wet flood-proofing is a technique normally used for commercial structures and is not applicable to residential structures. FEMA will not approve wet flood-proofing to reduce flood insurance policy premiums. Backflow prevention measures are recommended for all structures in flood-prone areas. The City of Simonton should consider adopting building code policies that require back-flow prevention for sanitary systems.

FEMA plans to offer Mitigation Insurance in 1997 as described in more detail in this section and included in Appendix A. Mitigation Insurance would fund retrofitting expense and is recommended for all flood-prone structures in Simonton. FEMA's October 1, 1994 National Flood Insurance Program Regulations Pertaining to Mapping of Areas Protected by Levee Systems (Section 65.10) are included in Appendix A.

G. ACQUISITION AND RELOCATION

The Federal Emergency Management Agency and the Federal Insurance Administration (FIA) published Flood Hazard Boundary Maps and Flood Insurance Rate Maps (FIRM) throughout the United States to identify Special Flood Hazard Areas. These maps notify communities of flood hazard areas so that the community can adopt appropriate land use requirements. The initial mapping for Fort Bend County and the City of Simonton was published by FIA in 1976. Areas within the City of Simonton and adjacent areas in Fort Bend County had experienced development prior to publication of the flood hazard area

maps. A major portion of this early development is located within the identified flood hazard area and constructed below the 100-year base flood elevation. The early development, referred to as Pre-FIRM construction, while eligible for flood insurance, accounts for the large number of flooded structures in Simonton during the recent 1991 and 1994 floods. An effective floodplain management or mitigation measure is to acquire and relocate flood-prone structures out of the floodplain. During the October 1994 flood approximately 600 structures in Montgomery County were identified for acquisition and relocation. FEMA's Hazard Mitigation Grant Program provided the funding for the acquisition and relocation program. As a result of the Presidentially Declared Disaster, a voluntary (75% Federal 25% Local) funding program was available. The local share of funding can be HUD Community Development Block Grant funds, local funds and/or State of Texas funds. This program is administered in Texas by the Texas Department of Public Safety Division of Emergency Management. The total amount of Federal funding available is limited to a percentage of the Federal public and private assistance funding in response to a Presidentially Declared Disaster. Flood-prone communities such as Simonton are encouraged to develop a Hazard Mitigation Plan that identifies potential flood-prone structures for acquisition and relocation. Based upon information received at the June 6, 1996 City of Simonton Public Meeting, 110 structures flooded in the 1991 flood and 125 structures flooded in 1994. Unfortunately, a major number of these flooded structures did not have flood insurance because FEMA records only show 26 repetitive loss structures in Simonton since 1978. The Hazard Mitigation Plan for Simonton should identify repetitive loss structures and seriously flood-prone structures as candidates for acquisition and relocation.

FEMA is preparing regulations for implementation of the Flood Mitigation Assistance Program (FMAP) authorized under the National Flood Insurance Reform Act of 1994. The FMAP Program will provide Federal Grants to states and communities based on a 75 percent/25 percent cost share for mitigation plans and projects. Eligible project activities include: acquisition and relocation, elevation, flood-proofing, demolition, small structural works that do not duplicate other agencies' programs (e.g., no major levees), beach nourishment, and technical assistance. States and communities must have an approved flood mitigation plan before they can be eligible to receive project grants.

FMAP planning and project grants are proposed for Fiscal Year 1997. Levee projects are not eligible for funding but acquisition and relocation; elevation and flood-proofing would be excellent target projects for the City of Simonton.

H. DEVELOPMENT CONTROLS

Development Controls are effective nonstructural floodplain management techniques to mitigate future flood losses. Development such as the recent Valley Lodge Golf Club Expansion Project is an excellent open space use of flood-prone property. The recommended update to the City of Simonton Flood Damage Prevention Ordinance would require new construction to be elevated a minimum of one foot above the 100-year base flood elevation. Fort Bend County currently requires one foot above the BFE and Simonton may wish to consider more than a one foot above BFE requirement based upon the recent flood events in 1991 and 1994.

I. POSSIBLE FUNDING SOURCES

Design and construction of the flood protection levee could possibly be funded through several sources, as discussed below.

- A. The US Army Corps of Engineers administers Section 205 of the Flood Control Act of 1948, Public Law 80-858. Flood Damage Reduction projects, similar to the proposed flood protection levee for the City of Simonton, are eligible for up to \$5 million Federal funding per project. The Feasibility and Design Phase is 100-percent Federally funded up to \$100,000, with a 50% cost share above that amount and requires a request from a potential sponsor and authority from Congress. The Feasibility and Design Study must be completed within one year. Based upon findings of the Feasibility and Design Study, the Corps will recommend whether preparation of plans and specifications is warranted. A cost-sharing agreement is required where 50% of the Feasibility Study cost is Federally funded and 50% Non-Federal. The 50% Non-Federal share is eligible for Texas Water Development Board funds leaving the remainder as local share. The design and construction phases are also cost-shared between the Corps of Engineers and the Local Sponsor. Prior to construction, the Local Sponsor is required to bear the cost of land acquisition, easements and relocation costs for roadways, bridges, utilities, etc.
- B. Fort Bend County can provide in-kind contributions toward this project, including possible channel and levee construction. Cash may be difficult to get from the County and/or Drainage District.
- C. Simonton could adopt a storm water utility and Impact Fee's for drainage improvements. This would be difficult because only Section II and III benefit.
- D. The City could create a Levee Improvement District, under Chapter 301, Title 30, TAC. Funding would be through issuance of bonds supported by ad valorem taxes on the property within the Levee Improvement District.

The City of Simonton could apply for funding from Texas Parks and Wildlife Department to acquire undeveloped flood-prone areas as recreation areas, open space, or wildlife preserve. We recommend that Fort Bend County be contacted for possible interest in creation of county park areas to be preserved as open space for floodwater conveyance or detention storage.

The U.S. Department of Agriculture has Federally funded programs to preserve wetland areas. This program could possibly fund a detention storage area within a Flood Protection Levee System or within the drainage outfall channel from the levee.

The Hazard Mitigation Grant Program and Flood Mitigation Assistance Program described in the Acquisition and Relocation Section is a 75% Federal/25% local cost share. The 25% local cost share may be funded with Community Development Block Grant funds, U.S. Department of Housing and Urban Development discretionary funds, or State of Texas funds. The Texas Water Development Board will fund up to 50% of the local share for Federally funded cost sharing projects such as a Flood Protection Levee Feasibility Study or design project. Creation of a levee improvement district or a storm water utility could establish a source of funds for flood protection and drainage improvement projects.

VII. RECOMMENDED FLOOD PROTECTION PLAN

Based on the analyses and investigations of this study, the Recommended Flood Protection Plan for the study area consists of the following elements:

Long Range - It is recommended that the City of Simonton develop a levee system, including associated diversion channel, detention storage area, main channel and collector channel. Design of the levee system should be based on FEMA's 100-year water surface elevations.

The recommended levee system, if fully implemented, can provide protection from both Brazos River flooding and flooding associated with local storm events. The City should actively support the proposed Corps of Engineers Feasibility and Design Study as a means of forwarding this goal.

Short Range - Development of a 100-year levee system may take a number of years to accomplish. In the meantime, the City can reduce flood damage and associated financial losses, in certain instances by the following means:

1. Promote Flood Insurance for residents of all flood-prone areas. This is the most expedient and cost-effective means of reducing financial losses from flooding.
2. Promote Mitigation Insurance, when it becomes available. This additional insurance will help to cover the costs of bringing substantially damaged or repetitively flooded structures into compliance with floodplain regulations. Doing so should reduce the damages resulting from future flood events.
3. Educate the public about retrofitting options for existing structures. On an individual basis, retrofitting may allow property owners to avoid future flood damage. This option, along with the previously mentioned insurance programs, offers the greatest benefit for properties in Section I, for which no levee system is proposed.
4. Implement interim protection measures discussed in Section V. These measures can reduce or prevent flood damages in certain instances and/or areas of the subdivision. These measures, for the most part, can be incorporated into the ultimate plan.
5. Adopt more stringent development controls, particularly by increasing required building elevations to be at least one foot above the base flood elevation.

Implementation Schedule

The following implementation schedule for the recommended long range flood protection plan is based on the assumption that the U.S. Army Corps of Engineers will have a primary role in the design and construction of this project. As such, the implementation schedule is highly dependent on the Corps' process and procedures. The following information was taken from a memo prepared by the Corps to address the schedule and funding issues associated with this project.

First Phase - Initial Appraisal Report

October, 1995

This report, prepared by the USACE has been completed. The report found a favorable cost-benefit ratio for the project and recommended further study. Funding (\$10,000) was 100% Federal.

Second Phase - Feasibility Study and Design

1997

This is a more detailed study by the USACE to thoroughly analyze the feasibility of the project and prepare the hydrologic and hydraulic design analyses of the project. Funding is 100% Federal up to \$100,000 and 50-50 Federal and Local beyond that.

Third Phase - Plans and Specifications

1998-1999

This plan involves the preparation of construction plans and specifications by the USACE for the final project design recommended in the previous phase. Funding is 100% Federal, to be applied against total project costs to be shared with the Local sponsor.

Fourth Phase - Construction

1999-2000

The final phase of the project is construction. In conjunction with this phase, the Local sponsor must acquire all necessary easements, rights-of-way, etc. for the project. Funding is shared between Federal and Local Sponsors, with a minimum 35% Local Share up to a maximum 50% local share.

The Corps' process described above is contingent on both a favorable recommendation being issued at each stage of the Study, and on the availability of funds, which requires Congressional authorization on the Federal portion.

**COST ESTIMATE
LEVEE SYSTEM**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Clearing and Grubbing	75.5	ACRE	\$1,500	\$113,250
2.	Levee Embankment	151,000	C.Y.	\$2.50	\$377,500
3.	Diversion Channel Excavation	164,000	C.Y.	\$2.00	\$328,000
4.	Main Channel Excavation	30,000	C.Y.	\$2.50	\$75,000
5.	Collector Channel Excavation	43,000	C.Y.	\$2.00	\$86,000
6.	Outfall Structure, Levee at Main Channel	1	L.S.	\$100,000	\$100,000
7.	Outfall Structure, Main Channel at Brazos River	1	L.S.	\$75,000	\$75,000
8.	Outfall Structure, Diversion Channel at Brazos River	1	L.S.	\$75,000	\$75,000
9.	Drop Structure, Collector Channel	1	L.S.	\$20,000	\$20,000
10.	Seeding and Fertilizing	72.7	ACRE	\$850	\$61,800
Construction Cost:					\$1,311,550
15% Contingencies:					\$196,750
Subtotal:					\$1,508,300
Engineering Surveying, Geotech (20%)					\$301,700
TOTAL:					\$1,810,000

**COST ESTIMATE
INTERIM MEASURES
RUE ROAD LEVEE SEGMENT**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Clearing and Grubbing	3.8	ACRE	\$1,500	\$5,700
2.	Levee Embankment	9,190	C.Y.	\$3.00	\$27,570
3.	Reconstruct 8" Road Base, Including Salvaging Existing Material	3,985	S.Y.	\$8.00	\$31,880
4.	Regrade Sage Brush Road, Including 8" Road Base	200	L.F.	\$30.00	\$6,000
5.	Seeding and Fertilizing	3.8	ACRE	\$850	\$3,230
Construction Cost:					\$74,380
15% Contingencies:					\$11,160
Subtotal:					\$85,540
Engineering, Surveying, Geotech (20%)					\$17,110
TOTAL:					\$102,650

**COST ESTIMATE
INTERIM MEASURES
INTERNAL DRAINAGE IMPROVEMENTS**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Ft. Bend Drive Crossing of Main Channel	1	L.S.	\$75,000	\$75,000
2.	Pony Lane Outfall at Tejas Road	1	L.S.	\$18,000	\$18,000
3.	Pony Lane Outfall North at Cavalry Road	1	L.S.	\$11,000	\$11,000
4.	Miscellaneous Flapgate Installations				
	a. 30"	1	EACH	\$2,000	\$2,000
	b. 24"	3	EACH	\$1,500	\$4,500
	c. 18"	4	EACH	\$1,100	\$4,400
	d. 15"	1	EACH	\$1,000	\$1,000
Construction Cost:					\$115,900
15% Contingencies:					\$17,400
Construction Cost:					\$133,300
Engineering, Surveying, Geotech (20%)					\$26,700
TOTAL:					\$160,000

**COST ESTIMATE
INTERIM MEASURES
BRIDLE PATH LEVEE SEGMENT**

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL COST
1.	Clearing and Grubbing	2.3	ACRE	\$1,500	\$3,450
2.	Levee Embankment	4,900	C.Y.	\$3	\$14,700
3.	Outfall Channel Structures	3	EACH	\$10,000	\$30,000
4.	Seeding and Fertilizing	2.3	ACRE	\$850	\$1,950
Construction Cost:					\$50,105
15% Contingencies:					\$7,515
Subtotal:					\$57,620
Engineering, Surveying, Geotech (20%)					\$11,530
TOTAL:					\$69,150

REFERENCES

1. Flood Insurance Rate Map, National Flood Insurance Program, Fort Bend County, Texas and Incorporated Areas, Panels 50 (Map Number 48157C0050 H) and 75 (Map Number 48157C0075 H) of 550, Federal Emergency Management Agency, Effective Date: September 30, 1992
2. National Flood Insurance Program, Flood Insurance Rate Map, Austin County, Texas and Incorporated Areas, Map Numbers 48015C0275C and 48015C0325C
3. Brazos Valley Subdivision, Simonton, Texas, Section 205, Initial Appraisal, U.S. Army Corps of Engineers, Galveston District, Southwestern Division, October 1995
4. City of Simonton Flood Insurance Program Status Report FEMA Region VI, Denton, Texas
5. Brazos Valley Subdivision Drainage Study Engineering Report, January 24, 1995, and Construction Plans of Brazos Valley Drainage System Improvements for the City of Simonton, January 14, 1995, by Pledger Kalkomey, Inc.
6. HEC-2, Water Surface Profiles, Users Manual, U.S. Army Corps of Engineers, Hydrologic Engineering Center, September 1982
7. Flood Insurance Study, Fort Bend County, Texas and Incorporated Areas, Federal Emergency Management Agency, September 30, 1992
8. Meeting Report between Halff Associates, Inc. and U.S. Army Corps of Engineers, Galveston District, June 28, 1996
9. Federal Insurance Administration Letter to Fort Bend County Commissioners Court in response to a March 1, 1976 resolution

10. National Flood Insurance Program and Related Regulations, Federal Emergency Management Agency, Revised October 1994
11. Flood Plain Information, Brazos River, Fort Bend County, Texas, U.S. Army Corps of Engineers, Galveston District, Texas, February 1977
12. City of Simonton, Texas Flood Damage Prevention Ordinance No. 87-4 Passed, Approved and Adopted April 21, 1987
13. Engineering Principals and Practices for Retrofitting Flood-Prone Residential Structures, IS-279/January, 1995 published by the Federal Emergency Management Agency.

APPENDIX A

1. FEMA, A Bulletin About the National Flood Insurance Reform Act of 1994, March 1996, "Maximum Flood Insurance Coverage Amounts"
2. FEMA, A Bulletin About the National Flood Insurance Reform Act of 1994, March 1996, "Mitigation Assistance Program (Section 553) Summary"
3. FEMA, A Bulletin About the National Flood Insurance Reform Act of 1994, March 1996, "Additional Coverage for Compliance with Land Use and Control Measures (Section 555) and Subtitle D, Mitigation Insurance"
4. Federal Emergency Management Agency National Flood Insurance Program and Related Regulations, Revised October 1, 1994, Section 65.10 Mapping of Areas Protected by Levee Systems



Federal Emergency Management Agency

A Bulletin About the National Flood Insurance Reform Act of 1994

March 1996

Additional Coverage for Compliance With Land Use and Control Measures (Section 555)

SUMMARY

This section provides insurance protection to cover the cost to repair and reconstruct substantially damaged or repetitively flooded structures and comply with floodplain management regulations. This coverage is referred to as mitigation insurance.

ACTIONS

FEMA has met with the Association of State Floodplain Managers.

FEMA is presently doing actuarial studies for pricing information.

FEMA is drafting the coverage provisions.

FEMA is exploring other aspects of this coverage such as a cap, which would be the maximum amount of coverage to an individual and the relationship of this to the other coverage limits.

FEMA plans to have mitigation insurance effective April 1, 1997.

Subtitle D, Mitigation Insurance

Q. How much will the mitigation insurance cost?

A. A maximum charge of \$75 will be added to flood insurance premiums. However, the cost may be less than \$10 for some structures. The cost will be based on the structure's risk of incurring damage that would trigger the need for such coverage. For instance, an older building that does not meet NFIP requirements for new construction would have a greater charge than a newer building that has been built in compliance with the NFIP requirements then in effect.



Federal Emergency Management Agency

A Bulletin About the National Flood Insurance Reform Act of 1994

March 1996

Maximum Flood Insurance Coverage Amounts (Section 573)

SUMMARY

The maximum flood insurance coverage amounts available were increased.

Increased Flood Insurance Coverage Limits

<u>Building Type</u>	<u>Building Coverage</u>	<u>Contents Coverage</u>
Single Family	\$250,000	\$100,000
2-4 Family	\$250,000	\$100,000
Other Residential	\$250,000	\$100,000
Residential Condo (Individual)	\$250,000	\$100,000
Condo-Master (Bldg only x # units)	\$250,000	\$100,000
Commercial (including small business)	\$500,000	\$500,000

ACTIONS

The Final Rule was published in the Federal Register on Jan. 30, 1995, making the increased coverage limits effective Mar. 1, 1995.



Federal Emergency Management Agency

A Bulletin About the National Flood Insurance Reform Act of 1994

March 1996

Mitigation Assistance Program (Section 553)

SUMMARY

FEMA is to provide grants to states and communities based on a 75 percent/25 percent cost share for mitigation plans and projects. Eligible project activities include: acquisition and relocation; elevation; floodproofing; demolition; small structural works that do not duplicate other agencies' programs (e.g. no major levees); beach nourishment; and technical assistance. States and communities must have an approved flood mitigation plan before they can be eligible to receive project grants.

ACTIONS

FEMA has been receiving input on the Flood Mitigation Assistance Program (FMAP) as progress is made to coordinate the development of the FMAP with a revision of the existing Hazard Mitigation Grant Program. Significant effort has been made to have the two programs compliment one another and maximize mitigation gains.

Draft regulations have been prepared and are currently being circulated for internal FEMA review. The regulations will then be forwarded to the Office of Management and Budget (OMB) for review and comment prior to publication in the Federal Register. The Interim Final regulations are expected to be published by Spring of 1996. Planning and project grants will be awarded later in the year. When the Interim Final regulations for the FMAP are published, they will be effective, although comments will be accepted and considered when the regulations are later finalized.

Contact Karen Helbrecht if you would like a copy of the Interim Final regulations when they are published:

Federal Emergency Management Agency
500 C Street, S. W., Room 417
Washington, D. C. 20472

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Federal Emergency Management Agency

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FEDERAL EMERGENCY MANAGEMENT AGENCY

Revised as of October 1, 1994*

National Flood Insurance Program and Related Regulations

* This includes the changes relating to the waiting period and the increased limits of coverage which became effective March 1, 1995, and the regulations establishing a Standard Flood Hazard Determination Form which became effective July 6, 1995.

NOTE: On October 25, 1994, FEMA published an interim final rule which established a new flood insurance rate zone (Zone AR) for areas designated as flood control restoration zones on National Flood Insurance Program maps. The interim final rule also established minimum floodplain management requirements and provided regulatory guidance for implementing statutory requirements, including procedure to identify and map areas as flood control restoration zones. A comment period ending on December 9, 1994, was provided and then extended to December 23, 1994. This document, which went to printing in August 1995, does not contain the revisions included in the October 25 **Federal Register** publication because the final final rule has not yet been published .



sought based on a levee system, and upon request by the Administrator during the review of previously recognized structures. The FEMA review will be for the sole purpose of establishing appropriate risk zone determinations for NFIP maps and shall not constitute a determination by FEMA as to how a structure or system will perform in a flood event.

(b) *Design criteria.* For levees to be recognized by FEMA, evidence that adequate design and operation and maintenance systems are in place to provide reasonable assurance that protection from the base flood exists must be provided. The following requirements must be met:

(1) *Freeboard.* (i) Riverine levees must provide a minimum freeboard of three feet above the water-surface level of the base flood. An additional one foot above the minimum is required within 100 feet in either side of structures (such as bridges) riverward of the levee or wherever the flow is constricted. An additional one-half foot above the minimum at the upstream end of the levee, tapering to not less than the minimum at the downstream end of the levee, is also required.

(ii) Occasionally, exceptions to the minimum riverine freeboard requirement described in paragraph (b)(1)(i) of this section, may be approved. Appropriate engineering analyses demonstrating adequate protection with a lesser freeboard must be submitted to support a request for such an exception. The material presented must evaluate the uncertainty in the estimated base flood elevation profile and include, but not necessarily be limited to an assessment of statistical confidence limits of the 100-year discharge; changes in stage-discharge relationships; and the sources, potential, and magnitude of debris, sediment, and ice accumulation. It must be also shown that the levee will remain structurally stable during the base flood when such additional loading considerations are imposed. Under no circumstances will freeboard of less than two feet be accepted.

(iii) For coastal levees, the freeboard must be established at one foot above the height of the one percent wave or the maximum wave runup (whichever

§ 65.10 Mapping of areas protected by levee systems.

(a) *General.* For purposes of the NFIP, FEMA will only recognize in its flood hazard and risk mapping effort those levee systems that meet, and continue to meet, minimum design, operation, and maintenance standards that are consistent with the level of protection sought through the comprehensive flood plain management criteria established by § 60.3 of this subchapter. Accordingly, this section describes the types of information FEMA needs to recognize, on NFIP maps, that a levee system provides protection from the base flood. This information must be supplied to FEMA by the community or other party seeking recognition of such a levee system at the time a flood risk study or restudy is conducted, when a map revision under the provisions of part 65 of this subchapter is

is greater) associated with the 100-year stillwater surge elevation at the site.

(iv) Occasionally, exceptions to the minimum coastal levee freeboard requirement described in paragraph (b)(1)(iii) of this section, may be approved. Appropriate engineering analyses demonstrating adequate protection with a lesser freeboard must be submitted to support a request for such an exception. The material presented must evaluate the uncertainty in the estimated base flood loading conditions. Particular emphasis must be placed on the effects of wave attack and overtopping on the stability of the levee. Under no circumstances, however, will a freeboard of less than two feet above the 100-year stillwater surge elevation be accepted.

(2) *Closures.* All openings must be provided with closure devices that are structural parts of the system during operation and design according to sound engineering practice.

(3) *Embankment protection.* Engineering analyses must be submitted that demonstrate that no appreciable erosion of the levee embankment can be expected during the base flood, as a result of either currents or waves, and that anticipated erosion will not result in failure of the levee embankment or foundation directly or indirectly through reduction of the seepage path and subsequent instability. The factors to be addressed in such analyses include, but are not limited to: Expected flow velocities (especially in constricted areas); expected wind and wave action; ice loading; impact of debris; slope protection techniques; duration of flooding at various stages and velocities; embankment and foundation materials; levee alignment, bends, and transitions; and levee side slopes.

(4) *Embankment and foundation stability.* Engineering analyses that evaluate levee embankment stability must be submitted. The analyses provided shall evaluate expected seepage during loading conditions associated with the base flood and shall demonstrate that seepage into or through the levee foundation and embankment will not jeopardize embankment or foundation stability. An alternative analysis demonstrating that the levee is designed and constructed for stability against

loading conditions for Case IV as defined in the U.S. Army Corps of Engineers (COE) manual, "Design and Construction of Levees" (EM 1110-2-1913, Chapter 6, Section II), may be used. The factors that shall be addressed in the analyses include: Depth of flooding, duration of flooding, embankment geometry and length of seepage path at critical locations, embankment and foundation materials, embankment compaction, penetrations, other design factors affecting seepage (such as drainage layers), and other design factors affecting embankment and foundation stability (such as berms).

(5) *Settlement.* Engineering analyses must be submitted that assess the potential and magnitude of future losses of freeboard as a result of levee settlement and demonstrate that freeboard will be maintained within the minimum standards set forth in paragraph (b)(1) of this section. This analysis must address embankment loads, compressibility of embankment soils, compressibility of foundation soils, age of the levee system, and construction compaction methods. In addition, detailed settlement analysis using procedures such as those described in the COE manual, "Soil Mechanics Design—Settlement Analysis" (EM 1100-2-1904) must be submitted.

(6) *Interior drainage.* An analysis must be submitted that identifies the source(s) of such flooding, the extent of the flooded area, and, if the average depth is greater than one foot, the water-surface elevation(s) of the base flood. This analysis must be based on the joint probability of interior and exterior flooding and the capacity of facilities (such as drainage lines and pumps) for evacuating interior floodwaters.

(7) *Other design criteria.* In unique situations, such as those where the levee system has relatively high vulnerability, FEMA may require that other design criteria and analyses be submitted to show that the levees provide adequate protection. In such situations, sound engineering practice will be the standard on which FEMA will base its determinations. FEMA will also provide the rationale for requiring this additional information.

(c) *Operation plans and criteria.* For a levee system to be recognized, the operational criteria must be as described below. All closure devices or mechanical systems for internal drainage, whether manual or automatic, must be operated in accordance with an officially adopted operation manual, a copy of which must be provided to FEMA by the operator when levee or drainage system recognition is being sought or when the manual for a previously recognized system is revised in any manner. All operations must be under the jurisdiction of a Federal or State agency, an agency created by Federal or State law, or an agency of a community participating in the NFIP.

(1) *Closures.* Operation plans for closures must include the following:

(i) Documentation of the flood warning system, under the jurisdiction of Federal, State, or community officials, that will be used to trigger emergency operation activities and demonstration that sufficient flood warning time exists for the completed operation of all closure structures, including necessary sealing, before floodwaters reach the base of the closure.

(ii) A formal plan of operation including specific actions and assignments of responsibility by individual name or title.

(iii) Provisions for periodic operation, at not less than one-year intervals, of the closure structure for testing and training purposes.

(2) *Interior drainage systems.* Interior drainage systems associated with levee systems usually include storage areas, gravity outlets, pumping stations, or a combination thereof. These drainage systems will be recognized by FEMA on NFIP maps for flood protection purposes only if the following minimum criteria are included in the operation plan:

(i) Documentation of the flood warning system, under the jurisdiction of Federal, State, or community officials, that will be used to trigger emergency operation activities and demonstration that sufficient flood warning time exists to permit activation of mechanized portions of the drainage system.

(ii) A formal plan of operation including specific actions and assign-

ments of responsibility by individual name or title.

(iii) Provision for manual backup for the activation of automatic systems.

(iv) Provisions for periodic inspection of interior drainage systems and periodic operation of any mechanized portions for testing and training purposes. No more than one year shall elapse between either the inspections or the operations.

(3) *Other operation plans and criteria.* Other operating plans and criteria may be required by FEMA to ensure that adequate protection is provided in specific situations. In such cases, sound emergency management practice will be the standard upon which FEMA determinations will be based.

(d) *Maintenance plans and criteria.* For levee systems to be recognized as providing protection from the base flood, the maintenance criteria must be as described herein. Levee systems must be maintained in accordance with an officially adopted maintenance plan, and a copy of this plan must be provided to FEMA by the owner of the levee system when recognition is being sought or when the plan for a previously recognized system is revised in any manner. All maintenance activities must be under the jurisdiction of a Federal or State agency, an agency created by Federal or State law, or an agency of a community participating in the NFIP that must assume ultimate responsibility for maintenance. This plan must document the formal procedure that ensures that the stability, height, and overall integrity of the levee and its associated structures and systems are maintained. At a minimum, maintenance plans shall specify the maintenance activities to be performed, the frequency of their performance, and the person by name or title responsible for their performance.

(e) *Certification requirements.* Data submitted to support that a given levee system complies with the structural requirements set forth in paragraphs (b)(1) through (7) of this section must be certified by a registered professional engineer. Also, certified as-built plans of the levee must be submitted. Certifications are subject to the definition given at §65.2 of this subchapter. In lieu of these structural requirements, a

§65.11

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Federal agency with responsibility for levee design may certify that the levee has been adequately designed and constructed to provide protection against the base flood.

[51 FR 30316, Aug. 25, 1986]

APPENDIX "B"

**City of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Models**

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Natural Conditions
10, 50, 100, and 500 Year Frequency
EX_NAT.FHO

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:38:33 *
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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
*****

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THIS RUN EXECUTED 11SEP96 15:38:33

Filename: ex_nat.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
			3						58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC		10 YR	50 YR	100 YR	500 YR	FLDWAY				
QT	7	181000	101000	157000	181000	242000	181000	181000		
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.					
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1					
NH	9.	0.12	18800.	.025	19320.	.025	18700.	33373.		
NH	23256.	.055	26760.	0.120	31212.	.060	19499.	.025	19600.	0.07
X1	66.65	46	19150	19600	2300	2700	35450.	.120	36129.	
X4	2	54.3	16200	54.9	18800		7800			
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	3500.	55.5	20703.	55.6
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC			.3	.5						
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	27100	62.5	29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				

ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				

ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		

ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						

ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	.120	28626.						
X1	77.25	42.	17300.	18020.	3700.	900.	2300.				
X4	1.	65.7	8000.								
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.	
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.	
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.	
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.	
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.	
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.	
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.	
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.	
GR	63.7	28461.	66.9	28626.							

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.	
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050	
NH	33947.										
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.				
X4	1.	67.0	21500.								
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.	
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.	
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.	
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.	
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.	
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.	
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.	
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.			

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.	
NC				.1	.3						
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050	
NH	37643.										
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.				
X4	1.	66.5	35000.								
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.	
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.	
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.	
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.	
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.	

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.	
GR	72.2	37643.									

NC				.1	.3						
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.	
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050	
NH	32455.	.120	34650.	.050	39584.						
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.				
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.	
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.	
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.	
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.	
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.	
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.	
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.	
GR	76.6	39410.	81.4	39584.							

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704	
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050	
NH	10200	.120	23660								
X1	83.18	38	7279	7967	4400	7200	7000				
X4	1	69.6	10200								
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.	
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.	
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.	
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.	
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.	
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.	
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.	
GR	82.2	21448.	77.6	21548.	78.2	23660.					

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.	
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12	
NH	17450	0.06	20625	0.12	23450	0.06	30083				
X1	83.81	45	16150	16750	2500	2935	3370				
X4	1	71	24100								
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350	
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200	
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500	
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300	
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750	
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100	
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655	
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450	
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083	

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500	
NC	.06	.06	.025								

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			15.
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC				.3	.5					
X1	84.17	45	18700.	19866.	100.	100.	100.			15.
X2										
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			15.
X2			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			15.
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			15.
X2										
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X2										
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC				.1	.3					
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC				.1	.3					
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.		21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.	22480.		
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.		23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.	26400.		
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.		31759.	23018.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			32136.
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.		32250.	18534.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			32250.
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	66.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.		32250.	18534.
X1	100.08				100.	100.	100.			32250.
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.		32250.	18534.

X1	100.09				30.	30.	30.				
X2			1	101.7	104.						00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4		
BT	31304.	104.5		31771.	99.5		32250.	100.8			
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.	
X1	100.10				100.	100.	100.				
NC			.025	.1	.3						
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05	
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700		
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.	
X1	102.1	56	20932	21400	8000	11500	10700				
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032	
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041	
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804	
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698	
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244	
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748	
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681	
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554	
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026	
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375	
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900	
GR	110.0	23700									
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025	
NH	21850.	.12	22700.								
ET					18.4						

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X1	105.5	14	20700	21850	13000	15150	17800				
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.		
GR	100	6000	100	6750	95	6900	95	7000	90	12700	
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200	
GR	100	22400	105	22500	110	22600	112	22700			
NC	.12	.12	.025								
ET					6.4						
X1	109.9	16	29100	29800	22000	12600	23100				
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450	
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200	
GR	90	31300	95	31400	100	31500	105	31600	110	31850	
GR	111	32600									
NC	.05	.05	.025								
ET					2.4						
X1	110.9	19	26400	27400	2430	5200	5300				
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.	
GR	95	25200	100	26050	100	26400	59	26700	49	26975	
GR	59	27250	80	27400	85	27500	90	27600	95	27650	
GR	100	27700	105	27750	110	28400	111	29200			
NC	.05	.12	.025								
ET					8.4						
X1	111.9	11	25150	25800	2800	4200	5500				
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450	
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000	
GR	117	27800									
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.		
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.	
X1	112.9	27	24700	25400	4400	5250	5300				
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.	
GR	100	16900	80	17050	100	17300	100	18700	95	19050	
GR	95	19550	100	20000	95	21600	95	21800	100	21900	
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200	
GR	100	25400	100	25850	95	26000	100	26150	105	26400	
GR	110	26550	115	28500							
NC	.05	.06	.025								
ET					16.4						
X1	114	26	15850	16750	5000	5000	5500				
GR	105	7299	105	7300	105	7400	100	7900	100	9000	
GR	100	10350	100	10500	105	10750	100	13150	105	13400	
GR	100	13500	100	13650	100	13850	105	13900	105	14050	
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250	
GR	90	16750	95	17150	100	17200	105	17300	110	17400	
GR	115	19500									

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12	
NH	27050.										
ET					16.4						
X1	117.8	21	24700	25650	20300	18700	20300				

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600
NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33100
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100				
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28				

X2			1	122.5	125						
X3	10										
BT	8	15200	110		15350	110		15450	111		
BT	15600	113		16050	125.1		16450	131.3		17210	
BT	132.82		18000	132.82							
ET					8.4						
X1	127.63				100	100	100				
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	800	1200	1100				
X4	2	105	31000	105	32000						
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	.05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	8000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300.	31200.	2400.	6000.	4200.				
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.	
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.	
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.	
GR	125.	44200.									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500.	32450.	7000.	5000.	9000.				
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.	
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.	
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.	
GR	105.	35000.	110.	42000.	111.	43700.					
NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.		
ET					7.4						
X1	135.	14	9300.	9950.	7000.	3000.	7400.				
GR	115.	1600.	110.	4800.	110.	8500.	110.	8700.	105.	8800.	
GR	100.	9300.	79.0	9550.	72.0	9700.	79.0	9850.	100.	9950.	
GR	110.	11000.	106.	12800.	110.	15000.	111.	17500.			
NC	.05	.06	.025	.1	.3						
ET					7.1		23000.	30250.			
X1	137.1	15	23250.	23900.	5400.	4000.	11200.				
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.	
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.	
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.	
NC	.05	.05	.025	.1	.3						
ET					7.1		18844.	24925.			
X1	138.	13	19300.	19900.	3500.	3000.	4800.				
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.	
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.	
GR	110.	23800.	110.	25400.	113.	27100.					

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NC	.05	.05	.025	.1	.3						
ET					7.1		21600.	25100.			
X1	139.	13	23000.	23700.	3400.	5000.	5200.				
X4	3	110	23020	105	23040	100	23100				
GR	115	10000	113	15000	115	18800	115	20800	110	21000	
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650	
GR	115	23700	115	24100	115.1	25200					

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
PER Q= 100.0
AREA= 16450.7
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
PER Q= 100.0
AREA= 16464.2
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
PER Q= 100.0
AREA= 16487.5
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
PER Q= 100.0
AREA= 16498.5
VEL= 6.1
DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
PER Q= 100.0
AREA= 19248.4
VEL= 5.2
DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
PER Q= .6 .4 .1 97.7 1.2
AREA= 2080.9 1557.4 332.2 19892.9 2598.5
VEL= .4 .4 .4 7.7 .7
DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
PER Q= .6 .4 .0 97.7 1.3
AREA= 2131.4 1595.3 82.2 19916.6 2572.2
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
PER Q= .6 .5 .0 97.6 1.3
AREA= 2247.0 1681.9 86.7 19970.0 2633.0
VEL= .4 .4 .4 7.7 .8
DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
PER Q= .7 .5 .1 97.4 .0 1.3
AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
VEL= .4 .4 .4 7.6 .2 .8
DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
PER Q= .8 99.2
AREA= 3409.3 23359.8
VEL= .4 6.7
DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
			8						58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
PER Q= 2.6 90.2 3.9 3.1 .2
AREA= 8469.3 23939.8 12293.3 12899.1 942.5
VEL= .6 6.8 .6 .4 .4
DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NAT.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 6 58.47
 J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27
 STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29
 STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30
 STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	KNCH	XNR	WTY	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88
 STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:38:38

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY
 SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00	
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70	
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44	

76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76	94782.58
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95448.02
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
85.100	4850.00	.00	.00	24.10	157000.00	74.73	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
* 86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
* 86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
* 86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
* 87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92	89026.37
* 87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
* 87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	68823.03144988.10	
* 87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11	68683.95
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37	95534.48
89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.391440389.90	
89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	

	90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58	99344.98
	90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
	90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
	90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
*	91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22	60490.70
*	91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36	80602.32
*	91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39	87890.08
*	91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
	92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88	66113.73
	92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58	90881.10
	92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
	92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.46132471.10	
	92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01	66205.65
	92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27	91061.50
	92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
	92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
	92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15	66451.76
	92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29	91635.54
	92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
	92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
	92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07	66536.91
	92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50	91812.23
	92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
	92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10*KS	VCH	AREA	.01K	
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84	71144.47	
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02	96711.46	
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00		
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80		
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27	71204.76	
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07	96843.69	
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90		
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60		
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19	71468.88	
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78	97338.24	
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20		
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50		
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56	71550.35	
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84	97463.00	
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80		
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80		
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08	84995.95	
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20		
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00		
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60		
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43	78006.37	
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40		
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30		
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20		
94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92	
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64110257.00		
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42121012.90		
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10166281.20		
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15	
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12138740.30		
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10153675.80		
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65189329.20		
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13113643.30		
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93147151.40		
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55160877.90		
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68191242.90		
*	99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
*	99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
	99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71114904.70	
	99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50194798.40	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.88138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	5.71	48372.59138766.90	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.71	48372.59138766.90	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30	
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30	
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70	
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00	
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20	
* 126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20	

126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118244.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.34	6.77	31947.45118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	BLMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
* 135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.09	7.82	41337.72108557.30	
* 135.000	7400.00	.00	.00	72.00	181000.00	111.85	.00	112.69	2.08	8.03	58178.21125519.20	
* 135.000	7400.00	.00	.00	72.00	242000.00	114.57	.00	115.29	1.90	8.15	98275.18175471.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.83	.00	113.45	1.89	7.17	55669.68114091.80	
137.100	11200.00	.00	.00	73.50	181000.00	113.99	.00	114.57	1.81	7.22	70860.89134558.80	
137.100	11200.00	.00	.00	73.50	242000.00	116.36	.00	116.85	1.65	7.30	104316.10188139.40	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54518.55108229.20	
138.000	4800.00	.00	.00	68.00	181000.00	114.79	.00	115.38	1.95	7.45	70239.35129472.20	
138.000	4800.00	.00	.00	68.00	242000.00	117.08	.00	117.52	1.64	7.22	105338.00188731.10	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.68	8.28	30419.78 95973.58	
139.000	5200.00	.00	.00	62.50	181000.00	115.64	.00	116.65	2.76	8.61	43972.00109044.40	
139.000	5200.00	.00	.00	62.50	242000.00	117.77	.00	118.61	2.53	8.69	76279.88152084.70	

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00

65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00

*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
	81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
	81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
	81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
*	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
*	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
*	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
	88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
	88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
	88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00

92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
* 99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
* 100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
* 100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
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100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00

127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIFWSP	DIFMSX	DIFKWS	TOPWID	XLCH
* 129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.27	4.23	12052.13	7400.00
* 135.000	181000.00	111.85	1.26	.17	.00	13886.90	7400.00
* 135.000	242000.00	114.57	2.72	.08	.00	15625.95	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.83	4.33	2.24	4.33	12461.97	11200.00
137.100	181000.00	113.99	1.16	2.14	.00	13475.62	11200.00
137.100	242000.00	116.36	2.37	1.79	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.85	4.18	13314.64	4800.00
138.000	181000.00	114.79	1.11	.79	.00	14980.97	4800.00
138.000	242000.00	117.08	2.30	.72	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10038.01	5200.00
139.000	181000.00	115.64	1.00	.86	.00	15200.00	5200.00
139.000	242000.00	117.77	2.12	.68	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 79.770 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 79.770 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Existing Natural Conditions - Alignment #1
10, 50, 100, and 500 Year Frequency
EX_NATA1.FHO

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
RUN DATE 11SEP96 TIME 15:39:13

U.S. ARMY CORPS OF ENGINEERS
HYDROLOGIC ENGINEERING CENTER
609 SECOND STREET, SUITE D
DAVIS, CALIFORNIA 95616-4687
(916) 756-1104

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THIS RUN EXECUTED 11SEP96 15:39:13

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

Filename: ex_natal.fh does not encroach the 100 yr natural floodplain
as the existing conditions model does. QT cards have been modified so as
not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
3 58.47
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
1 -1 00.
110 150 200

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
150

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
-10 -10

NC .1 .3
10 YR 50 YR 100 YR 500 YR FLDWAY
QT 7 181000 101000 157000 181000 242000 181000 181000
ET 9.1 9.1 9.1 7.1 20669 38236 15000 41899
NH 6 0.12 24100 0.025 24333 0.025 24473 0.025 24542 0.06
NH 34878 0.12 44078
X1 64.53 33. 24100. 24542. 0. 0.
X4 2 53.2 12600. 53. 13000.
GR 60 12590. 53 21000. 55.5 24000. 55 24100. 46.7 24190.
GR 20.7 24205. 15.5 24213. 14.8 24233. 14 24273. 14.3 24293.
GR 12 24313. 11.8 24333. 9 24373. 7.6 24413. 6.5 24433.
GR 6.4 24453. 10.5 24473. 20.6 24493. 55.5 24542. 56.4 25556.
GR 53.4 26303. 51.4 28807. 51.9 30532. 53 30979. 53.3 31355.
GR 51.2 34878. 49.2 36252. 51.5 36295. 48.9 36530. 47. 38813.
GR 55.4 41126. 54 41355. 57.7 41899. 57.6 43883. 59.8 44078.

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ET 9.1 9.1 9.1 7.1 21789. 36768. 14990. 39786.
NC .1 .3
NH 6. 0.12 24300. 0.025 24680. 0.025 24840. 0.025 24900. 0.07
NH 37358. 0.12 40273.
X1 65.17 35. 24300. 24900. 3900. 3000. 3400.
X4 2. 54. 15000. 54.5 22600.
GR 65. 14990. 54.9 24300. 46.1 24366. 25. 24560. 20.6 24585.

GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.
GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.

GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.
GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.				
X2			1.0	66.3	56.5					
BT	15	27000	70		27100	62.5		29500	63	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				

ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				

ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		

ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						

ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
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NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120
NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC			.1	.3						
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
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NC	.06	.06	.025							
X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			15.
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC				.3	.5					
X1	84.17	45	18700.	19866.	100.	100.	100.			15.
X2										
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			15.
X2										
X4			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			15.
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			15.
X2										
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.

GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.
GR	63.7	42526.	73.3	42544.	74.	42679.	83.2	44523.	86.	46203.
ET		9.1	9.1	9.1	7.1		17800.	20680.	14324.	21385.
NH	7.	.050	12812.	.060	18000.	.120	18959.	.025	19515.	.060
NH	22000.	.050	27266.	.060	30148.					
X1	87.61	43.	18959.	19515.	3800.	3000.	3700.			
X4	1.	73.7	22000.							
GR	83.1	8664.	78.7	8917.	75.9	9312.	78.8	9812.	75.5	11312.
GR	74.4	12812.	76.5	13312.	73.9	13812.	77.7	14324.	75.5	15000.
GR	76.	17000.	76.1	17500.	78.1	17563.	67.7	17591.	65.8	18000.
GR	66.4	18021.	62.7	18101.	68.	18500.	61.1	18959.	42.2	18992.
GR	36.3	19012.	35.4	19032.	38.3	19092.	35.8	19232.	38.	19272.
GR	39.5	19312.	42.2	19372.	46.8	19450.	75.6	19515.	70.	19806.
GR	68.5	20641.	66.1	20805.	70.1	20868.	67.8	21067.	77.4	21385.
GR	74.2	21503.	73.1	22503.	74.8	23531.	73.4	26061.	75.4	26311.
GR	72.5	27266.	72.8	28632.	76.1	30148.				

ET		9.1	9.1	9.1	7.1		20476.	25050.	19650.	26532.
NH	7.	.050	15500.	.060	19650.	.050	22300.	.120	24095.	.025
NH	24550.	.050	30653.	.120	32839.					
X1	88.3	34.	24095.	24550.	1500.	3000.	3600.			
X4	1.	65.0	22300.							
GR	83.	12359.	83.	12360.	78.7	12600.	75.	13500.	76.	14930.
GR	78.	15500.	76.	16350.	76.	17500.	78.	19650.	68.	19700.
GR	68.	20500.	60.	20950.	69.	21200.	72.	21550.	54.	23200.
GR	67.6	24095.	47.8	24139.	40.5	24159.	37.1	24179.	39.1	24219.
GR	41.7	24279.	42.6	24319.	44.1	24359.	47.7	24392.	58.7	24524.
GR	76.5	24550.	76.4	26520.	77.6	26532.	76.2	26890.	74.9	29830.
GR	74.	30653.	76.6	32111.	77.	32559.	78.3	32839.		

ET		9.1	9.1	9.1	7.1		22953.	24711.	21234.	26306.
NH	5.	.050	23453.	.025	24109.	.050	24720.	.060	28728.	.050
NH	34316.									
X1	89.55	28.	23453.	24109.	4800.	4600.	6600.			
GR	82.8	20145.	76.6	20415.	79.3	21234.	76.4	21591.	78.1	23453.
GR	71.3	23486.	44.2	23540.	27.4	23580.	34.3	23660.	34.7	23680.
GR	38.8	23720.	37.7	23740.	43.2	23840.	44.2	23868.	56.2	24056.
GR	60.8	24109.	69.1	24720.	75.7	26000.	72.6	26206.	85.	26306.
GR	81.	27072.	80.8	28150.	81.5	28728.	78.7	30126.	78.	33074.
GR	79.1	34032.	76.3	34210.	79.5	34316.				

ET		9.1	9.1	9.1	7.1		23000.	23800.	22400.	24400.
NC			.3	.5						
NH	4.	.120	23079.	.025	23659.	.060	26800.	.050	30400.	
X1	90.19	22.	23079.	23659.	3000.	1000.	3400.			
GR	81.	22400.	71.3	22531.	74.2	22711.	61.4	23079.	44.2	23129.
GR	41.	23149.	41.7	23169.	41.8	23209.	39.6	23389.	40.1	23409.
GR	37.6	23529.	38.4	23569.	42.	23609.	51.	23625.	63.3	23659.
GR	71.	23800.	80.	24400.	72.	26100.	81.	26800.	81.	27400.
GR	78.5	29200.	79.0	30400.						

ET		9.1	9.1	9.1	7.1		34599.	36287.	22438.	36769.
NH	5.	.120	31515.	.050	33718.	.120	35099.	.025	35787.	.060
NH	42501.									
X1	91.52	35.	35099.	35787.	2400.	3700.	7000.			
GR	87.6	22438.	81.7	22465.	82.9	22787.	83.4	23293.	80.5	25821.
GR	82.1	27269.	87.5	27325.	84.6	27434.	80.2	27827.	82.8	30470.
GR	83.5	30685.	80.7	31319.	78.1	31515.	80.5	31865.	82.	32829.
GR	86.3	33201.	86.5	33643.	76.9	33718.	79.5	34471.	77.9	35099.
GR	69.2	35247.	41.4	35447.	35.9	35587.	38.2	35627.	33.4	35647.
GR	82.7	35787.	81.8	36769.	76.9	38451.	77.5	39412.	69.9	39432.
GR	88.5	39716.	97.1	40390.	97.8	42060.	100.1	42353.	102.5	42501.

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
NC	.08	.06	.025							
X1	92.13	54.	11905.	12668.	2000.	3400.	3200.			
GR	87.6	00	81.7	27.	83.4	855.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	87.1	4887.
GR	84.6	4996.	80.5	5210.	81.8	5478.	80.7	5697.	77.5	6095.
GR	75.0	6405.	81.9	7325.	81.9	7336.	81.0	7406.	80.3	7952.
GR	80.9	8343.	81.1	8763.	81.2	8886.	80.4	9446.	80.8	10085.
GR	81.5	10635.	82.1	11081.	83.5	11365.	84.0	11475.	84.2	11579.
GR	79.4	11792.	79.4	11905.	69.6	12068.	67.9	12094.	67.0	12244.
GR	44.1	12290.	36.3	12329.	33.8	12401.	32.7	12429.	25.8	12509.
GR	35.5	12549.	44.1	12560.	66.5	12615.	88.5	12668.	90.9	12803.
GR	91.6	12856.	92.4	13058.	93.3	13403.	93.8	13617.		

ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
NC			0.025	.3	.5					
X1	92.15				100.	100.	100.			

X3	10									
SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2			83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									
SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.

X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			
GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC				.1	.3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							

ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.09				30.	30.	30.			
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
BT					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					

X1	117.8	21	24700	25650	20300	18700	20300				
X4	2	105.	16400.	105.	18300.						
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.	
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200	
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150	
GR	100	26200	105	26300	110	26350	115	26400	120	26900	
GR	125	27050									
NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12	
NH	25300.										
ET					5.4						
X1	118.8	13	20200	21200	4700	4400	5400				
X4	2	109.8	16000.	105.9	19400.						
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200	
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400	
GR	100	23900	100	24900	125	25300					
NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025	
NH	39900.	.12	41300.								
ET					16.4						
X1	123.1	27	39400	39900	18000	20000	22600				
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.		
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.	
GR	105	24200	105	25700	100	25800	100	26600	105	26800	
GR	105	28100	100	28200	105	28400	105	29000	100	33400	
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550	
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.	
GR	110.	41150.	115.	41300.							
NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025	
NH	39900.	.05	44600.								
ET					12.4						
X1	123.8	25	39000	39900	1950	3500	3700				
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6	
X4	27700.	105.	29350.	115.	31800.						
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800	
GR	105	26500	100	27850	105	27950	105	32100	100	35400	
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375	
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750	
GR	110	42800	115	42900	120	43000	125	43100	130	44600	
NC	.12	.05	.025	.1	.3						
ET					11.4						
X1	124.8	46	34500	35100	2700	3000	5000				
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.	
GR	113	22975	107	23040	107	23330	107	23331	109	23920	
GR	108	24190	107	24480	105	24970	104	25110	100	25180	
GR	100	25410	100	25680	105	25850	100	26000	100	26200	
GR	105	26300	105	26620	104	27710	104	27890	100	28010	
GR	100	28105	105	28150	105	30850	106	31110	107	31370	

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GR	100	32150	100	34100	95	34150	100	34200	100	34500	
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400	
GR	105	39500	110	39600	115	39700	120	39800	125	39900	
GR	130	40700									
ET					9.4						
NC	.06	.06	.025	.1	.3						
X1	126.8	23	31550	32800	2300	11050	10900				
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.	
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300	
GR	100	33500	95	33600	90	33700	90	33850	95	33950	
GR	100	34050	105	34150	110	34300	115	34400	120	34500	
GR	125	34800	130	35200	135	35400					

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5						
ET					8.4						
X1	127.60	34	16050	17350	3800	3800	4000				
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400	
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900	
GR	105	16000	105	16050	104	16200	105	16300	105	16500	
GR	106	16525	109	16535	111	16550	100	16570	74	16620	
GR	75	16750	73	16850	70	16860	70	16935	62	16985	
GR	58	17070	75	17175	82	17192	101	17208	105	17232	
GR	105	17257	110	17350	113	17388	119	17500			
ET					8.41						
X1	127.61				100	100	100				
X3	10										
SB	1.25	1.5	2.6		500	20	40000	2	58	58	
ET					7.11		16050	17350			

X1	127.62				28	28	28			
X2			1	122.5	125					
X3	10									
BT	8	15200	110		15350	110		15450	111	
BT	15600	113		16050	125.1		16450	131.3		17210
BT	132.82		18000	132.82						
ET					8.4					
X1	127.63				100	100	100			
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05
NH	37300									
ET					7.4					
X1	127.9	15	34750	35700	800	1200	1100			
X4	2	105	31000	105	32000					
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	130	36900	135	37100	130	37300

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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	8000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		
ET					10.4					
X1	130.7	16	30300.	31200.	2400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								
ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		
ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Levee alignment #1 has been added to the natural model at this point.

NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.	
ET					7.4					
X1	135.	16	9300.	9950.	7000.	3000.	7400.			
GR	130	1600.	130	4800.	130	5700	110	5700	110.	8500.
GR	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.
GR	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.
GR	111.	17500.								
NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5400.	4000.	11200.			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.
NC	.05	.05	.025	.1	.3					
ET					7.1		18844.	24925.		
X1	138.	13	19300.	19900.	3500.	3000.	4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.
GR	110.	23800.	110.	25400.	113.	27100.				

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NC	.05	.05	.025	.1	.3					
ET					7.1		21600.	25100.		
X1	139.	13	23000.	23700.	3400.	5000.	5200.			
X4	3	110	23020	105	23040	100	23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650
GR	115	23700	115	24100	115.1	25200				

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

1
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T1 BRAZOS RIVER RESTUDY , FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		4							58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
		2	-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3

AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

1

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.

PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=-.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		8							58.47	

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
		3	-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.

PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EK NATA1.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
6 58.47
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 76.27
STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8. 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8
STA= 25215. 27450. 27654.
PER Q= 3.4 .4
AREA= 9440.4 788.8
VEL= .9 1.1
DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 76.29
STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 76.30
STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 76.33

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SECNO	DEPTH	CWSSEL	CRIMS	WSELK	BG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8
STA= 25215. 27450. 27657.
PER Q= 3.5 .4
AREA= 9557.8 799.5
VEL= .9 1.1
DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 76.88
STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:39:18

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.0020598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	

74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30 63017.20
*	79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81 89680.11
*	79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90
*	79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37 74840.03	
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41 93500.73	
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37 78930.41	
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
*	83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00
*	83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30
*	83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40
*	83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90
*	83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81 66689.88
*	83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61 98445.86
*	83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20
83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71 80054.75	
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76 94782.58	
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16 80093.68	
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74 94860.26	
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49 80161.47	
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59 95202.61	
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124449.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64 80193.55	
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80 95448.02	
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43 89222.84	
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20
*	86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40
*	86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50
86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
*	87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37
*	87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10
*	87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10
87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	

89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37	95534.48
89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58	99344.98
90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
* 91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22	60490.70
* 91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36	80602.32
* 91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39	87890.08
* 91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88	66113.73
92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58	90881.10
92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.20	26241.66100086.70	
92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01	66205.65
92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27	91061.50
92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15	66451.76
92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29	91635.54
92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07	66536.91
92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50	91812.23
92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SBCNO	XLCH	BLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84	71144.47
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02	96711.46
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80	
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27	71204.76
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07	96843.69
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90	
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19	71468.88
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78	97338.24
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56	71550.35
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84	97463.00
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08	84995.95
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00	
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43	78006.37
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	
94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64110257.00	
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42121012.90	
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10166281.20	
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12138740.30	
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10153675.80	
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65189329.20	
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13113643.30	
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93147151.40	
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55160877.90	
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68191242.90	
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
* 99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71114904.70	

99.560 13900.00 .00 .00 34.90 242000.00 93.25 .00 93.96 1.54 8.37 108075.50194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
* 100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.73	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
* 105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30	
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30	
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80

124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70	
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00	
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20	
*	126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
	126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
	126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
	126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
	127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
	127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
	127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
	127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
	127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
	127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
	127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
	127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
	127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
	127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
	127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
	127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
*	129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20
*	129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80
*	129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46	
* 135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.09	7.82	40687.30108487.60	
* 135.000	7400.00	.00	.00	72.00	181000.00	111.85	.00	112.69	2.10	8.07	55322.94124791.60	
* 135.000	7400.00	.00	.00	72.00	242000.00	114.53	.00	115.32	2.03	8.42	87011.75169869.30	
137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44	
137.100	11200.00	.00	.00	73.50	157000.00	112.83	.00	113.45	1.89	7.17	55703.34114134.60	
137.100	11200.00	.00	.00	73.50	181000.00	114.01	.00	114.59	1.80	7.20	71115.17134919.40	
137.100	11200.00	.00	.00	73.50	242000.00	116.45	.00	116.93	1.61	7.22	105582.50190442.50	
138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25	
138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54538.67108255.40	
138.000	4800.00	.00	.00	68.00	181000.00	114.80	.00	115.39	1.95	7.44	70454.38129772.70	
138.000	4800.00	.00	.00	68.00	242000.00	117.15	.00	117.58	1.61	7.16	106267.20190520.10	
139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50	
139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.68	8.28	30429.43 95983.13	
139.000	5200.00	.00	.00	62.50	181000.00	115.65	.00	116.66	2.75	8.60	44125.89109207.90	
139.000	5200.00	.00	.00	62.50	242000.00	117.82	.00	118.65	2.49	8.62	77137.23153442.20	

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BRAZOS RIVER FLOODWAY
SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
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64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00

	77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
	81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
	81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
	81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
	88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
	88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
	88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00

*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
	92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
	92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
	92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
	92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
	92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
	92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
	92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
	92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
	92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
	92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
	92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
	92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
	92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
	92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
	92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
	92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
	92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
	92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
	92.270	242000.00	84.27	2.96	.02	.00	12920.28	400.00
	92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
	92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
	92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
	92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
* 99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
* 99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
* 100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
* 100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
* 126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
* 126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
* 126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00

127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CNSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.26	4.23	10772.72	7400.00
* 135.000	181000.00	111.85	1.26	.17	.00	11800.00	7400.00
* 135.000	242000.00	114.53	2.69	.05	.00	11800.00	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.83	4.34	2.25	4.34	12465.86	11200.00
137.100	181000.00	114.01	1.18	2.17	.00	13490.14	11200.00
137.100	242000.00	116.45	2.44	1.92	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.84	4.18	13316.90	4800.00
138.000	181000.00	114.80	1.12	.79	.00	15002.48	4800.00
138.000	242000.00	117.15	2.35	.70	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10042.52	5200.00
139.000	181000.00	115.65	1.01	.85	.00	15200.00	5200.00
139.000	242000.00	117.82	2.17	.67	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Existing Natural Conditions - Alignment #2
10, 50, 100, and 500 Year Frequency
EX_NATA2.FHO

1*****
 * HEC-2 WATER SURFACE PROFILES *
 * * * * *
 * Version 4.6.2; May 1991 *
 * * * * *
 * RUN DATE 11SEP96 TIME 15:40:20 *

 * U.S. ARMY CORPS OF ENGINEERS *
 * HYDROLOGIC ENGINEERING CENTER *
 * 609 SECOND STREET, SUITE D *
 * DAVIS, CALIFORNIA 95616-4687 *
 * (916) 756-1104 *

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X X XXXXXXX XXXXX XXXXX
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1 11SEP96 15:40:20 PAGE 1

THIS RUN EXECUTED 11SEP96 15:40:20

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

Filename: ex_nata2.fh does not encroach the 100 yr natural floodplain
 as the existing conditions model does. QT cards have been modified so as
 not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3							58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC	10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000		
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC			.1	.3						
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65		19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.	
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.	
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.			
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025								
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.				
X4	2	56.3	27100.	57.1	32750.						
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.	
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.	
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.	
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.	
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.	

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GR	59.1	49890.	65.0	50080.	70.0	50330.					
ET			9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				50.	50.	50.				
X2			1.0	66.3	56.5						
BT	15	27000	70	27100	62.5			29500	63		
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9	
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET			9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5						
X1	71.28				100	100	100				
ET					7.1		21000	27727	21000	29646	
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					
ET					7.1		17248.	25698.	14300.	28074.	
NC			.3	.5							
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050	
NH	28074.	.06	29039.								
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.				
X4	2	61.0	14400.	60.0	14900.						
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.	
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.	
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.	
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.	
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.			
ET					7.1		10293.	21200.			
NC			.1	.3							
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025	
NH	20224.	.06	24630.								
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.				
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.	
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.	
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.	
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.	
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.	
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.	
GR	61.2	23461.	66.8	24630.							

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PAGE 5

ET			9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12	
NH	15500.	.05	24676.								
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.				
X4	1	60.4	12200.								
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.	
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.	
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.	
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.	
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.	
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.	
GR	61.5	24450.	66.9	24676.							
ET			9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120	

NH	18200.	.050	28461.	.120	28626.						
X1	77.25	42.	17300.	18020.	3700.	900.	2300.				
X4	1.	65.7	8000.								
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.	
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.	
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.	
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.	
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.	
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.	
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.	
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.	
GR	63.7	28461.	66.9	28626.							

ET		9.1	9.1	9.1	7.1						
NH	5.	.120	13790.	.060	21500.	.120	27689.	33064.	20363.	33947.	
NH	33947.						28189.	.025	29274.	.050	
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.				
X4	1.	67.0	21500.								
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.	
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.	
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.	
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.	
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.	
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.	
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.	
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.			

ET		9.1	9.1	9.1	7.1						
NC				.1	.3		29200.	34500.	24941.	37643.	
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050	
NH	37643.										
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.				
X4	1.	66.5	35000.								
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.	
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.	
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.	
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.	
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.	

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.	
GR	72.2	37643.									

NC				.1	.3						
ET		9.1	9.1	9.1	7.1						
NH	7.	.120	25279.	.050	28100.	.120	28330.	31907.	25279.	34088.	
NH	32455.	.120	34650.	.050	39584.		28830.	.025	29426.	.050	
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.				
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.	
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.	
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.	
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.	
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.	
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.	
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.	
GR	76.6	39410.	81.4	39584.							

ET		9.1	9.1	9.1	7.1						
NH	6	.050	7000	.120	7279	.025	4593	8467	2500	13704	
NH	10200	.120	23660				7967	.120	8364	.050	
X1	83.18	38	7279	7967	4400	7200	7000				
X4	1	69.6	10200								
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.	
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.	
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.	
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.	
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.	
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.	
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.	
GR	82.2	21448.	77.6	21548.	78.2	23660.					

ET		9.1	9.1	9.1	7.1						
NH	8	.050	15000	0.06	15500	0.12	13813.	17750.	10000.	20180.	
NH	17450	0.06	20625	0.12	23450	0.06	16150	.025	16750	0.12	
X1	83.81	45	16150	16750	2500	2935	30083				
X4	1	71	24100				3370				
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350	
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200	
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500	
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300	
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750	
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100	
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655	
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450	
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083	

ET		9.1	9.1	9.1	7.1						
NC	.06	.06	.025				17000	20366	14498	21500	

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
NC				.3	.5					
X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										15.
X4	1	92.0	19867.							
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			
X2										15.
X4			1.	85.1	91.3					
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1		17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3					
X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1		15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120	29400.	.060	29986.	
X1	85.10	64.	15915.	16792.	4500.	1700.	4850.			
X2										15.
X4	2.	73.0	19600.	72.0	26300.					
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060	46203.			
X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X4	2.	73.2	37500.	74.	38000.					
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.		84.0
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1
BT										

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09				30.	30.	30.			
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
BT		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5000	5500			
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									

SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125					
X3	10									
BT	8	15200	110		15350	110		15450	111	
BT	15600	113		16050	125.1		16450	131.3		17210
BT	132.82		18000	132.82						
ET					8.4					
X1	127.63				100	100	100			
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05
NH	37300									
ET					7.4					
X1	127.9	15	34750	35700	800	1200	1100			
X4	2	105	31000	105	32000					
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450
GR	120	36600	125	36700	130	36900	135	37100	130	37300
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NC	.05	.05	.025	.1	.3					
ET					10.4					
X1	129.9	14	25400	26000	8000	12000	10600			
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000
GR	100	35100	105	35900	110	36200	125	36300		
ET					10.4					
X1	130.7	16	30300.	31200.	2400.	6000.	4200.			
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.
GR	125.	44200.								
ET					9.4					
X1	132.2	14	22500	23200	4000	14000	7400			
GR	110	10000	108	19500	109	20000	105	20900	100	20950
GR	95	21000	90	22200	90	22500	85	22700	76	22750
GR	63	22900	76	23050	105	23200	110	29600		
ET					15.4					
X1	133.9	18	31500.	32450.	7000.	5000.	9000.			
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.
GR	105.	35000.	110.	42000.	111.	43700.				

Levee alignment #2 has been added to the natural model at this point.

NH	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.	
ET					7.4					
X1	135.	16	9300.	9950.	7000.	3000.	7400.			
GR	130	1600.	130	4800.	130	7500	110	7500	110.	8500.
GR	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.
GR	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.
GR	111.	17500.								
NC	.05	.06	.025	.1	.3					
ET					7.1		23000.	30250.		
X1	137.1	15	23250.	23900.	5400.	4000.	11200.			
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.
NC	.05	.05	.025	.1	.3					
ET					7.1		18844.	24925.		
X1	138.	13	19300.	19900.	3500.	3000.	4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.
GR	110.	23800.	110.	25400.	113.	27100.				
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NC	.05	.05	.025	.1	.3					
ET					7.1		21600.	25100.		
X1	139.	13	23000.	23700.	3400.	5000.	5200.			
X4	3	110	23020	105	23040	100	23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650
GR	115	23700	115	24100	115.1	25200				
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SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLOSS L-BANK ELEV

Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36

STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38

STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43

STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29

STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ

4

58.47

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE

2

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FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69

STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3

VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1. 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = EX_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 6 58.47
 J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 15 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 76.33

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

THIS RUN EXECUTED 11SEP96 15:40:26

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.80	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.40	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254859.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	
71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10	
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20	
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00	
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90	
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00	
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78	
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60	
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30	
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50	
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10	
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50	
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90	
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60	
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70	
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20	

74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	BLMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30 63017.20
*	79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81 89680.11
*	79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90
*	79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37 74840.03	
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.19	35201.81 89680.11	
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37 78930.41	
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
*	83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00
*	83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30
*	83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40
*	83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90
*	83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81 66689.88
*	83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61 98445.86
*	83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20
*	83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71 80054.75	
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76 94782.58	
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16 80093.68	
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74 94860.26	
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49 80161.47	
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59 95202.61	
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64 80193.55	
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80 95448.02	
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43 89222.84	
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	BLMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20
*	86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40
*	86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50
*	86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60
*	87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37
*	87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.73121367.90
*	87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10
*	87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40
88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	

89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37	95534.48
89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58	99344.98
90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
* 91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22	60490.70
* 91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36	80602.32
* 91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39	87890.08
* 91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88	66113.73
92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58	90881.10
92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01	66205.65
92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27	91061.50
92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	22531.46100407.70	
92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15	66451.76
92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29	91635.54
92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07	66536.91
92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50	91812.23
92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SECNO	XLCH	ELTRD	BLLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84	71144.47
92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02	96711.46
92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80	
92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27	71204.76
92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07	96843.69
92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90	
92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19	71468.88
92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78	97338.24
92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56	71550.35
92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84	97463.00
92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08	84995.95
92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00	
92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43	78006.37
94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	
94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64110257.00	
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42121012.90	
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10166281.20	
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12138740.30	
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10153675.80	
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65189329.20	
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13113643.30	
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93147151.40	
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55160877.90	
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68191242.90	
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
* 99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71114904.70	
* 99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50194798.40	

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
*	100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
*	100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
	100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
	100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
	100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
	100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
	100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
	100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
	100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
	100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
	100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.1120377.80	
	100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
	100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
	100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
	100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.19201998.50	
	102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
	102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
	102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
	102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
	105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
	105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
	105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
*	105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
	109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
	109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
	109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
	109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
	110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
	110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
	110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
	110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
*	111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
*	111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
*	111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
*	111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
	112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
	112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
	112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
	112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
	114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
	114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
	114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
	117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
	117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
	117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	
	117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
	118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65	77806.57
	118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
	118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
	118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
	123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37	59452.09
	123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
	123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
	123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
*	123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68	89974.45
*	123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40	
*	123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30	
*	123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30	
	124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44	63732.80
	124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70	

124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00	
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20	
*	126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
	126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60
	126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
	126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
	127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
	127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.9510471.40
	127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
	127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
	127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
	127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
	127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118244.50
	127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
	127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
	127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
	127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
	127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
*	129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52
*	129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20
*	129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80
*	129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30
*	130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60
	130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40
	130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20
	130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40
	132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80
	132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40
*	132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90223363.00
*	132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30
	133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30
	133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20
	133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90
	133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40
*	135.000	7400.00	.00	.00	72.00	101000.00	106.36	.00	107.01	1.81	6.51	19302.18 75053.46
*	135.000	7400.00	.00	.00	72.00	157000.00	110.59	.00	111.44	2.10	7.83	39616.47108382.30
*	135.000	7400.00	.00	.00	72.00	181000.00	111.84	.00	112.70	2.13	8.12	51923.44124069.10
*	135.000	7400.00	.00	.00	72.00	242000.00	114.51	.00	115.34	2.11	8.57	78601.37166649.30
	137.100	11200.00	.00	.00	73.50	101000.00	108.50	.00	109.18	2.17	6.80	20625.18 68618.44
	137.100	11200.00	.00	.00	73.50	157000.00	112.84	.00	113.46	1.89	7.17	55754.72114199.80
	137.100	11200.00	.00	.00	73.50	181000.00	114.03	.00	114.60	1.79	7.19	71370.05135281.30
	137.100	11200.00	.00	.00	73.50	242000.00	116.50	.00	116.97	1.59	7.18	106338.50191826.40
	138.000	4800.00	.00	.00	68.00	101000.00	109.50	.00	110.37	2.64	7.55	16213.48 62126.25
	138.000	4800.00	.00	.00	68.00	157000.00	113.68	.00	114.34	2.10	7.52	54568.74108294.50
	138.000	4800.00	.00	.00	68.00	181000.00	114.82	.00	115.40	1.94	7.42	70670.52130074.90
	138.000	4800.00	.00	.00	68.00	242000.00	117.20	.00	117.62	1.59	7.11	107114.70192161.00
	139.000	5200.00	.00	.00	62.50	101000.00	110.90	.00	111.59	2.03	6.64	15991.20 70847.50
	139.000	5200.00	.00	.00	62.50	157000.00	114.65	.00	115.64	2.67	8.28	30443.84 95997.46
	139.000	5200.00	.00	.00	62.50	181000.00	115.66	.00	116.67	2.74	8.59	44280.47109372.60
	139.000	5200.00	.00	.00	62.50	242000.00	117.85	.00	118.67	2.46	8.59	77592.39154167.10

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BRAZOS RIVER FLOODWAY
SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
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64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00
72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	

*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
	80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
	80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
	80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
	80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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	SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIFKWS	TOPWID	XLCH
	81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
	81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
	81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
	81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
	84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
	84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
	84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
	84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
	84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
	84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
	84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
	84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
	84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
	84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
	84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
	84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
	84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
	84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
	84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
	84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
	85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
	85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
	85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
	85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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	SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIFKWS	TOPWID	XLCH
	88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
	88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
	88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
	88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
	89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
	89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
	89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
	89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
	90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
	90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
	90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
	90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00

*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
	92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
	92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
	92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
	92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
	92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
	92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
	92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
	92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
	92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
	92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
	92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
	92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
	92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
	92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
	92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
	92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
	92.270	101000.00	74.37	.00	.08	.00	567.02	400.00
	92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
	92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
	92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
	92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
	92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
	92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
	92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00	
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00	
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00	
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00	
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00	
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00	
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00	
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00	
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00	
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00	
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00	
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00	
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00	
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00	
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00	
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00	
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00	
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00	
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00	
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00	
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00	
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00	
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00	
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00	
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00	
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00	
96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
* 105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
* 111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
* 111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
* 111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
* 111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00
* 123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
* 123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
* 123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
* 123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
* 126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
* 126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
* 126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
* 126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00

127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIPWSP	DIPWSX	DIPKWS	TOPWID	XLCH
129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
* 129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
* 129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
* 129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
* 130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
* 132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
* 132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
* 135.000	101000.00	106.36	.00	.64	.00	2208.20	7400.00
* 135.000	157000.00	110.59	4.23	.26	4.23	8969.80	7400.00
* 135.000	181000.00	111.84	1.25	.16	.00	10000.00	7400.00
* 135.000	242000.00	114.51	2.67	.02	.00	10000.00	7400.00
137.100	101000.00	108.50	.00	2.14	.00	3099.70	11200.00
137.100	157000.00	112.84	4.34	2.25	4.34	12471.78	11200.00
137.100	181000.00	114.03	1.19	2.19	.00	13504.69	11200.00
137.100	242000.00	116.50	2.47	2.00	.00	14250.00	11200.00
138.000	101000.00	109.50	.00	1.00	.00	3607.37	4800.00
138.000	157000.00	113.68	4.18	.84	4.18	13320.29	4800.00
138.000	181000.00	114.82	1.14	.79	.00	15024.07	4800.00
138.000	242000.00	117.20	2.38	.69	.00	15300.00	4800.00
139.000	101000.00	110.90	.00	1.40	.00	1729.77	5200.00
139.000	157000.00	114.65	3.74	.97	3.74	10049.24	5200.00
139.000	181000.00	115.66	1.02	.85	.00	15200.00	5200.00
139.000	242000.00	117.85	2.19	.66	.00	15200.00	5200.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 67.350 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 67.350 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 68.940 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 71.600 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

**City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model
10, 50, 100, and 500 Year Frequency
RE_NATL.FHO**

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1*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:40:57 *
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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X X XXXXXXX XXXXX XXXXX
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1 11SEP96 15:40:57

PAGE 1

THIS RUN EXECUTED 11SEP96 15:40:57

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: re_natl.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY , FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC					.1	.3				
QT	7	181000	101000	157000	181000	242000	181000	181000	181000	41899
ET		9.1		9.1	7.1		20669	38236	15000	0.06
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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PAGE 2

ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC				.1	.3					
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65		19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.				
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50					
X1	71.25				100.	100.	100.			
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.
X1	71.26				50.	50.	50.			
X2			1.0	66.3	56.5					
BT	15	27000	70	27100	62.5			29500	63	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0
BT	35460	63.2	0.0	37500	63.7	0.0				
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC				.3	.5					
X1	71.28				100	100	100			
ET					7.1		21000	27727	21000	29646
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.			
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.
GR	59.2	29646.	62.1	31146.	62.6	31946.				
ET					7.1		17248.	25698.	14300.	28074.
NC				.3	.5					
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.							
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC				.1	.3					
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.							
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.			
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	6482.	63.7	9600.
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.
GR	61.2	23461.	66.8	24630.						

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ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.							
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	.120	28626.							
X1	77.25	42.	17300.	18020.	3700.	900.	2300.					
X4	1.	65.7	8000.									
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.		
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.		
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.		
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.		
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.		
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.		
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.		
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.		
GR	63.7	28461.	66.9	28626.								

ET		9.1	9.1	9.1	7.1							
NH	5.	.120	13790.	.060	21500.	.120	27689.	33064.	20363.	33947.		
NH	33947.						28189.	.025	29274.	.050		
X1	79.77	39.	28189.	29274.	5900.	7600.						
X4	1.	67.0	21500.				13300.					
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.		
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.		
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.		
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.		
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.		
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.		
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.		
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.				

ET		9.1	9.1	9.1	7.1							
NC							29200.	34500.	24941.	37643.		
NH	5.	.060	21591.	.1	.3	29700.	.025	30675.	.120	35000.	.050	
NH	37643.											
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.					
X4	1.	66.5	35000.									
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.		
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.		
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.		
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.		
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.		

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.		
GR	72.2	37643.										
NC				.1	.3							
ET		9.1	9.1	9.1	7.1							
NH	7.	.120	25279.	.050	28100.	.120	28330.	31907.	25279.	34088.		
NH	32455.	.120	34650.	.050	39584.		28830.	.025	29426.	.050		
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.					
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.		
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.		
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.		
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.		
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.		
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.		
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.		
GR	76.6	39410.	81.4	39584.								

ET		9.1	9.1	9.1	7.1							
NH	6	.050	7000	.120	7279	.025	4593	8467	2500	13704		
NH	10200	.120	23660				7967	.120	8364	.050		
X1	83.18	38	7279	7967	4400	7200	7000					
X4	1	69.6	10200									
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.		
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.		
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.		
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.		
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.		
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.		
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.		
GR	82.2	21448.	77.6	21548.	78.2	23660.						

ET		9.1	9.1	9.1	7.1							
NH	8	.050	15000	0.06	15500	0.12	13813.	17750.	10000.	20180.		
NH	17450	0.06	20625	0.12	23450	0.06	16150	.025	16750	0.12		
X1	83.81	45	16150	16750	2500	2935	30083					
X4	1	71	24100				3370					
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350		
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200		
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500		
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300		
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750		
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100		
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655		
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450		
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083		

ET		9.1	9.1	9.1	7.1							
NC	.06	.06	.025				17000	20366	14498	21500		

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	15.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	7670.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	8852.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	11100.
1										18000.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
NC				.3	.5						

X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										

X4	1	92.0	19867.							15.
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GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.

X1	84.19				100.	100.	100.			
X2										

X2			1.	85.1	91.3					15.
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BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3						

X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1			15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120	15915.	.025	16792.	.120	

X1	85.10	64.	15915.	16792.	4500.	1700.	4850.	.060	29986.		
X2											

X4	2.	73.0	19600.	72.0	26300.					15.
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GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1		30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120	31913.	.025	32550.	.120

X1	86.91	45.	31913.	32550.	5900.	5100.	9520.			
X2										

GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.		11579.	13617.
X1	92.17				48.	48.	48.	12668.	11579.	13617.
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9			82.4		1681.	82.6		
BT	81.2		2549.	1089.	79.7		81.1		3383.	2379.
BT		3982.	82.8			3019.	80.0			80.5
BT	4857.	81.3		4887.	87.1			4612.	82.8	
BT	83.0		6095.	83.3			4996.	84.6		5697.
BT		8763.	83.2		10085.	84.1			8343.	83.6
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	10635.	84.0	
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5	96.1	92.1	12615.
BT									13403.	93.1
ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									
SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.		91.5	11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						
1	11SEP96	15:40:57								
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC				.1	.3					
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.
ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC				.1	.3					
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								
NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	16255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC				.1	.3					
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09				30.	30.	30.			
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5500				
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									

SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125						
X3	10										
BT	8	15200	110		15350	110		15450	111		
BT	15600	113		16050	125.1		16450	131.3		17210	
BT	132.82		18000	132.82							
ET					6.4						
X1	127.63				100	100	100				
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	800	1200	1100				
X4	2	105	31000	105	32000						
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	.05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	8000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300.	31200.	2400.	6000.	4200.				
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.	
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.	
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.	
GR	125.	44200.									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500.	32450.	7000.	5000.	9000.				
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.	
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.	
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.	
GR	105.	35000.	110.	42000.	111.	43700.					

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97

ET					7.4						
NC	.05	.05	.025	.1	.3						
X1	134.97	68	14517	15097	5809	5809	5809				
GR	111.05	10000	111.16	10077	110.32	10188	110.1	10199	110.32	10292	
GR	110.43	10392	110.61	10490	110.62	10587	111.1	10684	110.99	10787	
GR	111.44	10865	111.33	10885	111.5	10989	111.63	11094	111.94	11189	
GR	112.16	11301	111.98	11403	111.69	11509	110.73	11615	110.7	11718	
GR	110.74	11821	110.7	11921	110.48	12022	110.75	12125	110.76	12228	
GR	110.83	12328	110.77	12428	110.41	12530	110.87	12630	111.11	12730	
GR	111.59	12828	111.85	12893	111.78	12925	111.61	13023	111.34	13119	
GR	110.24	13220	110.43	13220	110.35	13220	110.27	13220	109.03	13278	
GR	106.41	13295	109.06	13311	108.87	13362	110.13	13363	110.69	13460	
GR	111.09	13558	111.36	13639	110.73	13761	111.45	13828	111.89	13921	
GR	111.62	14018	110.99	14117	111.91	14222	111.4	14323	111.27	14449	
GR	111.27	14517	73.96	14559	69.65	14627	71.48	14667	70.9	14747	
GR	74.59	14812	85.24	15031	98.1	15097	100.23	15186	102.83	15297	
GR	110	15697	110	16797	110	21797					
	4	.05	4800.	.12	9300.	.025	9950.	.06	17500.		
				7.4							
	135.	16	9300.	9950.	7000.	3000.	7400.				
	130	1600.	130	4800.	130	7500	110	7500	110.	8500.	

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	110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.	
	79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.	
	111.	17500.									
NC	.05	.06	.025	.1	.3						
ET					7.1			23000.		30250.	
X1	137.1	15	23250.	23900.	5560	4160	11360				
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.	
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.	
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.	

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.03

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SECNO	DEPTH	CWSSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MRL191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	PQ
									58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSSEL= 74.69

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY , FLOODWAY DETERMINATION FILENAME = RE_NATL.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:41:02

 HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K	
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00		
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00		
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70		
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70		
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20		
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90		
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30		
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60		
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60		
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10		
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40		
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00		
*	67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
*	67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
*	67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
*	67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95		
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33		
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30		
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60		
*	68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
*	68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.95	95659.51179481.00		
*	68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
*	68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60		
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30		
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90		
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80		

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30256840.60	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

	71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10
	71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20
	71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00
	71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90
	71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00
*	71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78
	71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60
*	71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30
*	71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50
	72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10
	72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50
	72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90
	72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60
	74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70
	74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24142995.20
	74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
	74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
	76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
	76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
	76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
	76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
	77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
	77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
	77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
	77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
*	79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
*	79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
*	79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
	80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
	80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
	80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
	80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
	81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
	81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
	81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
	81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
*	83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
*	83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
*	83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
*	83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
*	83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
*	83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
*	83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
	83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
	84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
	84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76	94782.58
	84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
	84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
	84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
	84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
	84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
	84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.6017795.10	
	84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
	84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
	84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
	84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
	84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
	84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95448.02
	84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
	84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
	85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
	85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
	85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
	85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
*	86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
*	86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
*	86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
	87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
*	87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
*	87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
*	87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
	88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
	88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
	88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
	88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
	89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
	89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
	89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
	89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
	90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98	
	90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
	90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
	90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
*	91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70	
*	91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32	
*	91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08	
*	91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
	92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73	
	92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10	
	92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
	92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
	92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65	
	92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50	
	92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
	92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
	92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76	
	92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29 91635.54	
	92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
	92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
	92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91	
	92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50 91812.23	
	92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.34101582.80	
	92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47	
	92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46	
	92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
	92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80	
	92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76	
	92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69	
	92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90	
	92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
	92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88	
	92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24	
	92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
	92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
	92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35	
	92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00	
	92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
	92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
	92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95	
	92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
	92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00	
	92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
	94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43 78006.37	
	94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
	94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
	94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	

94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64110257.00	
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42121012.90	
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10166281.20	
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12138740.30	
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10153675.80	
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65189329.20	
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13113643.30	
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93147151.40	
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55160877.90	
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68191242.90	
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71114904.70	
99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50194798.40	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSBL	CRWS	EG	10*KS	VCH	AREA	.01K
* 100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
* 105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.551187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSBL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	

117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65 77806.57	
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37 59452.09	
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
*	123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68 89974.45
*	123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40
*	123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30
*	123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	6.08	165939.302158313.30
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44 63732.80	
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70	
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00	
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40215355.20	
*	126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60	
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80	
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40	
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10	
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40	
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60	
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10	
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40	
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60	
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50	
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60	
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00	
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80	
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20	
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	BG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
* 129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 134.970	5809.00	.00	.00	69.65	101000.00	106.13	.00	106.73	1.34	6.22	17438.02 87264.71	
* 134.970	5809.00	.00	.00	69.65	157000.00	110.36	.00	111.36	1.95	8.19	24390.24112486.40	
* 134.970	5809.00	.00	.00	69.65	181000.00	111.60	.00	112.68	2.09	8.69	36001.02125164.50	
* 134.970	5809.00	.00	.00	69.65	242000.00	114.38	.00	115.33	1.99	8.94	68541.84171755.30	
137.100	11360.00	.00	.00	73.50	101000.00	107.99	.00	108.73	2.39	7.03	19105.52 65303.29	
137.100	11360.00	.00	.00	73.50	157000.00	112.78	.00	113.41	1.92	7.21	55130.43113407.90	
137.100	11360.00	.00	.00	73.50	181000.00	114.10	.00	114.65	1.76	7.13	72249.30136534.10	
137.100	11360.00	.00	.00	73.50	242000.00	116.52	.00	116.99	1.59	7.17	106496.50192116.40	
138.000	4800.00	.00	.00	68.00	101000.00	109.10	.00	110.01	2.82	7.74	14903.02 60191.45	
138.000	4800.00	.00	.00	68.00	157000.00	113.64	.00	114.31	2.13	7.56	54029.33107592.90	

138.000	4800.00	.00	.00	68.00	181000.00	114.87	.00	115.44	1.91	7.37	71420.66131125.80
138.000	4800.00	.00	.00	68.00	242000.00	117.21	.00	117.63	1.58	7.10	107159.00192247.00
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.34 95742.78
139.000	5200.00	.00	.00	62.50	181000.00	115.70	.00	116.69	2.71	8.55	44818.32109949.20
139.000	5200.00	.00	.00	62.50	242000.00	117.87	.00	118.68	2.45	8.57	77834.88154554.50

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00	
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00	
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00	
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00	

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SECNO	Q	CWSBL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00	
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00	
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00	
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00	
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00	
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00	
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00	
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00	
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00	
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00	
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00	
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00	
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00	
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00	
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00	
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00	
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00	
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00	
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00	
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00	
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00	
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00	
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00	
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00	
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00
89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00
* 91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
* 91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
* 91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
* 91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00
92.270	101000.00	74.37	.00	.06	.00	567.02	400.00
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

	96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00
	96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	100.090	101000.00	80.60	.00	.02	.00	788.04	30.00
	100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00
	100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00
	100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00
	100.100	101000.00	80.61	.00	.01	.00	788.54	100.00
	100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00
	100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00
	100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00
	102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00
	102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00
	102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00
	102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00
	105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00
	105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00
	105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00
*	105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
	109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00
	109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00
	109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00
	109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00
	110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00
	110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00
	110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00
	110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00
*	111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
*	111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
*	111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
*	111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
	112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00
	112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00
	112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00
	112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00
	114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00
	114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00
	114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00
	114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00
	117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00
	117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00
	117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00
	117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
	118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
	118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
	118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
	123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
	123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
	123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
	123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
*	123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7614.90	5809.00
*	134.970	181000.00	111.60	1.25	-.08	.00	10903.30	5809.00
*	134.970	242000.00	114.38	2.77	-.11	.00	11797.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.65	11360.00
	137.100	181000.00	114.10	1.31	2.49	.00	13554.72	11360.00
	137.100	242000.00	116.52	2.43	2.14	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.42	4800.00
	138.000	181000.00	114.87	1.23	.77	.00	15098.75	4800.00
	138.000	242000.00	117.21	2.35	.69	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.44	5200.00
	139.000	181000.00	115.70	1.08	.83	.00	15200.00	5200.00
	139.000	242000.00	117.87	2.17	.66	.00	15200.00	5200.00

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City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model - Alignment #1
10, 50, 100, and 500 Year Frequency
RE_NATA1.FHO

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:41:46 *
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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1 11SEP96 15:41:46 PAGE 1

THIS RUN EXECUTED 11SEP96 15:41:46

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
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Filename: re_natal.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATAL.FH
T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
			3						58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							00.
	110	150	200							
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150									
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10	-10								
NC	10 YR	50 YR	100 YR	500 YR	FLDWAY					
QT	7	181000	101000	157000	181000	242000	181000	181000		
ET		9.1	9.1	9.1	7.1		20669	38236	15000	41899
NH	6	0.12	24100	0.025	24333	0.025	24473	0.025	24542	0.06
NH	34878	0.12	44078							
X1	64.53	33.	24100.	24542.	0.	0.	0.			
X4	2	53.2	12600.	53.	13000.					
GR	60	12590.	53	21000.	55.5	24000.	55	24100.	46.7	24190.
GR	20.7	24205.	15.5	24213.	14.8	24233.	14	24273.	14.3	24293.
GR	12	24313.	11.8	24333.	9	24373.	7.6	24413.	6.5	24433.
GR	6.4	24453.	10.5	24473.	20.6	24493.	55.5	24542.	56.4	25556.
GR	53.4	26303.	51.4	28807.	51.9	30532.	53	30979.	53.3	31355.
GR	51.2	34878.	49.2	36252.	51.5	36295.	48.9	36530.	47.	38813.
GR	55.4	41126.	54	41355.	57.7	41899.	57.6	43883.	59.8	44078.

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ET		9.1	9.1	9.1	7.1		21789.	36768.	14990.	39786.
NC			.1	.3						
NH	6.	0.12	24300.	0.025	24680.	0.025	24840.	0.025	24900.	0.07
NH	37358.	0.12	40273.							
X1	65.17	35.	24300.	24900.	3900.	3000.	3400.			
X4	2.	54.	15000.	54.5	22600.					
GR	65.	14990.	54.9	24300.	46.1	24366.	25.	24560.	20.6	24585.
GR	11.4	24680.	8.5	24740.	10.1	24780.	4.	24800.	5.	24820.

GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	55.5	20703.	55.6	22000.
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.		
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.
NC	.12	.07	.025							
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.			
X4	2	56.3	27100.	57.1	32750.					
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.

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GR	59.1	49890.	65.0	50080.	70.0	50330.		28501.	36000.	28500.	37500.
ET		9.11	9.11	9.11	7.11			28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				56.5		50.				
X2			1.0	66.3	27100	62.5		29500	63		
BT	15	27000	70		27100	66.3	31623.5	69.6	66.3	31624	
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	69.6	66.3	31624	
BT	69.6	60.0	32000	67.3	0.0	32750	63.4	0.0	33500	62.9	0.0
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET		9.1	9.1	9.1	7.1		28501.	36000.	28500.	37500.	
NC				.3	.5		100	100			
X1	71.28				100		100				
BT					7.1		21000	27727	21000	29646	
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					

ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NC				.3	.5		20847.	.025	20912.	.050
NH	6.0	.120	20200.	.025	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.				4400.			
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.			
X4	2	61.0	14400.	60.0	14900.					
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.		
ET					7.1		10293.	21200.		
NC				.1	.3		19714.	.025	19974.	.025
NH	6.	.050	8482.	.120	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.				3000.	11700.		
X1	74.66	32.	19650.	20224.	3700.	6844.	60.4	8482.	63.7	9600.
GR	70.	6400.	62.8	6478.	62.7	6478.	61.	12400.	60.	13200.
GR	63.6	10500.	55.	11600.	55.	11900.	58.	15200.	60.	15700.
GR	45.	14000.	55.	14200.	58.	14600.	18.	19794.	17.2	19814.
GR	60.	19650.	23.4	19714.	20.9	19754.	40.7	20065.	51.5	20100.
GR	14.5	19854.	18.2	19914.	23.4	19974.	59.7	22783.	63.7	23175.
GR	56.9	20195.	64.4	20224.	63.5	22653.				
GR	61.2	23461.	66.8	24630.						

ET		9.1	9.1	9.1	7.1		10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12
NH	15500.	.05	24676.				11400.			
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.			
X4	1	60.4	12200.							
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.
GR	61.5	24450.	66.9	24676.						
ET		9.1	9.1	9.1	7.1		16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1		27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120	28189.	.025	29274.	.050
NH	33947.									
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.			
X4	1.	67.0	21500.							
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.		

ET		9.1	9.1	9.1	7.1		29200.	34500.	24941.	37643.
NC				.1	.3					
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050
NH	37643.									
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.			
X4	1.	66.5	35000.							
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC				.1	.3					
ET		9.1	9.1	9.1	7.1		28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120	28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.					
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.			
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.
GR	76.6	39410.	81.4	39584.						

ET		9.1	9.1	9.1	7.1		4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120	8364	.050
NH	10200	.120	23660							
X1	83.18	38	7279	7967	4400	7200	7000			
X4	1	69.6	10200							
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.
GR	82.2	21448.	77.6	21548.	78.2	23660.				

ET		9.1	9.1	9.1	7.1		13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025	16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083			
X1	83.81	45	16150	16750	2500	2935	3370			
X4	1	71	24100							
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083

ET		9.1	9.1	9.1	7.1		17000	20366	14498	21500
NC	.06	.06	.025							

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.				
X2											15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.	
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.	
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.	
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.	

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.	
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.	
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.	
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.	
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.	

ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.
NC				.3	.5						

X1	84.17	45	18700.	19866.	100.	100.	100.				
X2											15.

X4	1	92.0	19867.								
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.	
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.	
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.	
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.	
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.	
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.	
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.	
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.	
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.	

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4	
ET		9.11	9.11	9.11	7.11			17000.	20366.	14498.	21500.

X1	84.19				100.	100.	100.				
X2											15.

BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1	
BT	19867.	92.0	92.0								

ET		9.1	9.1	9.1	7.1			17000.	20366.	14498.	21500.
NC	.06	.06	.025	.1	.3						

X1	84.21	45	18700.	19866.	100.	100.	100.				
X2											15.

GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.	
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.	
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.	
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.	
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.	
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.	
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.	
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.	
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.	

ET		9.1	9.1	9.1	7.1			15800.	16800.	10000.	17570.
NH	9.	.050	13173.	.060	14783.	.120		15915.	.025	16792.	.120
NH	17570.	.050	19600.	.060	26300.	.120		29400.	.060	29986.	

X1	85.10	64.	15915.	16792.	4500.	1700.	4850.				
X2											15.

X4	2.	73.0	19600.	72.0	26300.						
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.	
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.	
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.	
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.	
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.	

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.	
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.	
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.	
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.	
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.	
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.	
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.	
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.			

ET		9.1	9.1	9.1	7.1			30478.	35180.	25844.	36126.
NH	8.	.050	22990.	.060	30599.	.120		31913.	.025	32550.	.120
NH	33216.	.060	37500.	.050	38000.	.060		46203.			

X1	86.91	45.	31913.	32550.	5900.	5100.					
X4	2.	73.2	37500.	74.	38000.						
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.	
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.	
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.	
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.	
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.	
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.	
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.	
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.	

SB	1.05	1.5	2.5		40.0	20.0	24880.			
ET		9.11	9.11	9.11	7.11		11905.	5.3	25.8	25.8
X1	92.17						48.	12668.	11579.	13617.
X2			1.	92.1	48.	48.	48.			
X3	10				96.0					
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1			80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9			
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	975.	82.4	1089.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	3019.	80.5	3383.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	4857.	81.7	4887.
GR	81.5	9399.	81.0	10200.	81.0	6490.	81.2	82.2	80.0	8066.
GR	84.2	11443.	83.6	11750.	81.9	10600.	81.2	10680.	82.8	11175.
GR	67.0	12330.	40.0	12400.	35.0	11828.	82.1	12164.	68.0	12200.
GR	45.0	12650.	65.0	12700.	80.9	12450.	25.0	12600.	35.0	12640.
GR	85.2	13168.	86.2	13555.	87.0	12786.	83.9	12837.	84.1	12892.

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									
SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025		20.	20.	20.			
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.	91.5		11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4	88.2	12450.	93.5	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC										
NH	3.	.050	27170.	.1	.3					
X1	92.9	35.	27170.	.025	27692.	.060	29603.			
GR	89.1	17136.	89.1	17140.	84.	3100.	3060.			
GR	84.2	18251.	85.6	19174.	84.4	17279.	83.8	17968.	88.8	18003.
GR	83.6	22739.	82.7	23236.	82.8	19674.	82.8	21120.	82.7	22324.
GR	84.2	26102.	83.5	27168.	83.9	24319.	81.9	25036.	82.5	25686.
GR	39.5	27290.	41.4	27310.	41.5	27170.	63.4	27224.	45.8	27266.
GR	40.4	27590.	40.4	27610.	45.8	27330.	39.5	27430.	38.6	27490.
GR	80.5	28162.	74.6	28352.	88.5	27645.	69.	27692.	76.8	27800.
						28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC										
NH	6.	.060	10478.	.1	.3					
NH	21220.	.120	27250.	.050	11500.	.120	16935.	.050	20695.	.025
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	10115.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09			30.	30.	30.				
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET				6.4						
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET				2.4						
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET				8.4						
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET				16.4						
X1	114	26	15850	16750	5000	5500				
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125							
X3	10											
BT	8	15200	110		15350	110						
BT	15600	113		16050	125.1							
BT	132.82		18000	132.82			16450	15450	111			
								131.3				17210
ET												
X1	127.63				8.4							
					100	100	100					
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05		
NH	37300											
ET					7.4							
X1	127.9	15	34750	35700	800							
X4	2	105	31000	105	32000	1200	1100					
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100		
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450		
GR	120	36600	125	36700	130	36900	135	37100	130	37300		

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NC	.05	.05	.025	.1	.3							
ET					10.4							
X1	129.9	14	25400	26000	8000	12000	10600					
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600		
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	26600		
GR	100	35100	105	35900	110	36200	125	36300				
ET					10.4							
X1	130.7	16	30300	31200	2400	6000	4200					
GR	110.0	10000	108.0	21000	108.0	24800	105	29800	100.0	30300		
GR	74.5	30700	59.8	30800	74.5	30900	100	31100	105.0	31200		
GR	105	31900	100	36600	100	42800	105	43900	110	44100		
GR	125	44200										
ET					9.4							
X1	132.2	14	22500	23200	4000	14000	7400					
GR	110	10000	108	19500	109	20000	105	20900	100	20950		
GR	95	21000	90	22200	90	22500	85	22700	76	22750		
GR	63	22900	76	23050	105	23200	110	29600				
ET					15.4							
X1	133.9	18	31500	32450	7000	5000	9000					
GR	115	20600	110	22400	110	24800	105	26500	105	31500		
GR	77.5	31750	68.0	31900	77.5	32050	80.0	32150	85.0	32250		
GR	90.0	32350	95.0	32450	100	32700	105	33300	105	34500		
GR	105	35000	110	42000	111	43700						

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97
Two GR points were added to the geometry of cross section 134.97 for Levee alignment #1

ET					7.4							
NC	.05	.05	.025	.1	.3							
X1	134.97	70	14517	15097	5809	5809						
GR	130	10000	130	10077	130	10188	130	10199	130	10292		
GR	130	10392	130	10490	130	10587	130	10684	130	10787		
GR	130	10865	130	10885	130	10917	111.4	10917	111.5	10989		
GR	111.63	11094	111.94	11189	112.16	11301	111.98	11403	111.69	11509		
GR	110.73	11615	110.7	11718	110.74	11821	110.7	11921	110.48	12022		
GR	110.75	12125	110.76	12228	110.83	12328	110.77	12428	110.41	12530		
GR	110.87	12630	111.11	12730	111.59	12828	111.85	12893	111.78	12925		
GR	111.61	13023	111.34	13119	110.24	13220	110.43	13220	110.35	13220		
GR	110.27	13220	109.03	13278	106.41	13295	109.06	13311	108.87	13362		
GR	110.13	13363	110.69	13460	111.09	13558	111.36	13639	110.73	13761		
GR	111.45	13828	111.89	13921	111.62	14018	110.99	14117	111.91	14222		
GR	111.4	14323	111.27	14449	111.27	14517	73.96	14559	69.65	14627		
GR	71.48	14667	70.9	14747	74.59	14812	85.24	15031	98.1	15097		
GR	100.23	15186	102.83	15297	110	15697	110	16797	110	21797		
	4	.05	4800	.12	9300	.025	9950	.06	17500			
	135	16	9300	9950	7000	3000	7400					
	130	1600	130	4800	130	7500	110	7500	110	8500		

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110	8700	105	8800	100	9300	79.0	9550	72.0	9700			
79.0	9850	100	9950	110	11000	106	12800	110	15000			
111	17500											

NC	.05	.06	.025	.1	.3							
ET					7.1			23000	30250			
X1	137.1	15	23250	23900	5560	4160	11360					
GR	115	19150	110	23000	105	23250	81.8	23500	73.5	23625		
GR	81.8	23750	100	23900	110	24500	106	25500	105	26500		
GR	110	26700	110	30500	109	31000	110	31400	113	33400		

NC	.05	.05	.025	.1	.3						
ET					7.1		18844.	24925.			
X1	138.	13	19300.	19900.	3500.	3000.		4800.			
GR	115.	11800.	115.	11801.	115.	11802.	110.	19300.	83.1	19600.	
GR	68.0	19725.	83.1	19850.	105.	19900.	110.	20500.	108.	21400.	
GR	110.	23800.	110.	25400.	113.	27100.					
NC	.05	.05	.025	.1	.3						
ET					7.1		21600.	25100.			
X1	139.	13	23000.	23700.	3400.	5000.		5200.			
X4	3	110	23020	105	23040	100		23100			
GR	115	10000	113	15000	115	18800	115	20800	110	21000	
GR	110	21800	115	23000	84.5	23450	62.5	23550	84.5	23650	
GR	115	23700	115	24100	115.1	25200					

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 68.36
 STA= 18997. 19866.
 PER Q= 100.0
 AREA= 16450.7
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 68.38
 STA= 18996. 19866.
 PER Q= 100.0
 AREA= 16464.2
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 68.41
 STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16487.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 68.43
 STA= 18995. 19866.
 PER Q= 100.0
 AREA= 16498.5
 VEL= 6.1
 DEPTH= 23.7

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 69.29
 STA= 15932. 16792.
 PER Q= 100.0
 AREA= 19248.4
 VEL= 5.2
 DEPTH= 22.5

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 50-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 72.69
 STA= 14498. 16400. 18000. 18304. 19866. 21500.
 PER Q= .6 .4 .1 97.7 1.2
 AREA= 2080.9 1557.4 332.2 19892.9 2598.5
 VEL= .4 .4 .4 7.7 .7
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 72.71

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL PQ
 8 58.47

J2 NPROP IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 3 -1 00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
 PER Q= 2.6 90.2 3.9 3.1 .2
 AREA= 8469.3 23939.8 12293.3 12899.1 942.5
 VEL= .6 6.8 .6 .4 .4
 DEPTH= .6 27.3 1.7 2.7 2.4

T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA1.FH
 T2 PORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
 T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
 AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
 PER Q= 3.4 .4
 AREA= 9440.4 788.8
 VEL= .9 1.1
 DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
 PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
 AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
 VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
 DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
 PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
 AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
 VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
 DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
 PER Q= 3.5 .4
 AREA= 9557.8 799.5
 VEL= .9 1.1
 DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:41:51

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSBL	CRWS	BG	10*KS	VCH	AREA	.01K	
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00		
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00		
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70		
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70		
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20		
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90		
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30		
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60		
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60		
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10		
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40		
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00		
*	67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
*	67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
*	67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
*	67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.40	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95		
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33		
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30		
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50126189.60		
*	68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
*	68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
*	68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
*	68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60		
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30		
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90		
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80		

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSBL	CRWS	BG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.20	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30256840.60	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48	4.28	51678.09146487.20
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	5.76	71062.13175975.00
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	6.07	81541.72137270.50
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	6.45	94990.24122995.20
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	99366.58158785.40
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	ARBA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	41764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76	94782.58
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95448.02
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126692.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70	101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
*	86.910	9520.00	.00	.00	29.70	157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
*	86.910	9520.00	.00	.00	29.70	181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
	86.910	9520.00	.00	.00	29.70	242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
*	87.610	3700.00	.00	.00	35.40	101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
*	87.610	3700.00	.00	.00	35.40	157000.00	75.37	.00	76.10	1.49	6.37	41859.90128559.10	
*	87.610	3700.00	.00	.00	35.40	181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
	87.610	3700.00	.00	.00	35.40	242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
	88.300	3600.00	.00	.00	37.10	101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
	88.300	3600.00	.00	.00	37.10	157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
	88.300	3600.00	.00	.00	37.10	181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
	88.300	3600.00	.00	.00	37.10	242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
	89.550	6600.00	.00	.00	27.40	101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
	89.550	6600.00	.00	.00	27.40	157000.00	76.95	.00	77.59	1.38	6.84	34250.45132592.30	
	89.550	6600.00	.00	.00	27.40	181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
	89.550	6600.00	.00	.00	27.40	242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
	90.190	3400.00	.00	.00	37.60	101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98	
	90.190	3400.00	.00	.00	37.60	157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
	90.190	3400.00	.00	.00	37.60	181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
	90.190	3400.00	.00	.00	37.60	242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
*	91.520	7000.00	.00	.00	33.40	101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70	
*	91.520	7000.00	.00	.00	33.40	157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32	
*	91.520	7000.00	.00	.00	33.40	181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08	
*	91.520	7000.00	.00	.00	33.40	242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
	92.130	3200.00	.00	.00	25.80	101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73	
	92.130	3200.00	.00	.00	25.80	157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10	
	92.130	3200.00	.00	.00	25.80	181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
	92.130	3200.00	.00	.00	25.80	242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
	92.150	100.00	.00	.00	25.80	101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65	
	92.150	100.00	.00	.00	25.80	157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50	
	92.150	100.00	.00	.00	25.80	181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
	92.150	100.00	.00	.00	25.80	242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
	92.170	48.00	96.00	92.10	25.80	101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76	
	92.170	48.00	96.00	92.10	25.80	157000.00	80.09	.00	81.22	2.94	8.52	18507.29 91635.54	
	92.170	48.00	96.00	92.10	25.80	181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
	92.170	48.00	96.00	92.10	25.80	242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
	92.190	100.00	.00	.00	25.80	101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91	
	92.190	100.00	.00	.00	25.80	157000.00	80.13	.00	81.25	2.92	8.51	18533.50 91812.23	
	92.190	100.00	.00	.00	25.80	181000.00	81.31	.00	82.57	3.17	9.12	27616.3401582.80	
	92.190	100.00	.00	.00	25.80	242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	92.270	400.00	.00	.00	25.00	101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47	
	92.270	400.00	.00	.00	25.00	157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46	
	92.270	400.00	.00	.00	25.00	181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00	
	92.270	400.00	.00	.00	25.00	242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80	
	92.290	100.00	.00	.00	25.00	101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76	
	92.290	100.00	.00	.00	25.00	157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69	
	92.290	100.00	.00	.00	25.00	181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90	
	92.290	100.00	.00	.00	25.00	242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60	
	92.300	20.00	93.30	90.00	25.00	101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88	
	92.300	20.00	93.30	90.00	25.00	157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24	
	92.300	20.00	93.30	90.00	25.00	181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20	
	92.300	20.00	93.30	90.00	25.00	242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50	
	92.320	100.00	.00	.00	25.00	101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35	
	92.320	100.00	.00	.00	25.00	157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00	
	92.320	100.00	.00	.00	25.00	181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80	
	92.320	100.00	.00	.00	25.00	242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80	
	92.900	3060.00	.00	.00	38.60	101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95	
	92.900	3060.00	.00	.00	38.60	157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20	
	92.900	3060.00	.00	.00	38.60	181000.00	82.47	.00	83.80	2.16	9.39	23287.85123198.00	
	92.900	3060.00	.00	.00	38.60	242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60	
	94.340	7600.00	.00	.00	37.10	101000.00	76.15	.00	76.98	1.68	7.28	13884.43 78006.37	
	94.340	7600.00	.00	.00	37.10	157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40	
	94.340	7600.00	.00	.00	37.10	181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30	
	94.340	7600.00	.00	.00	37.10	242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20	

94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64	110257.00
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42	121012.90
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10	166281.20
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12	138740.30
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10	153675.80
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65	189329.20
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13	113643.30
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93	147151.40
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55	160877.90
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68	191242.90
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71	114904.70
99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50	194798.40

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37	138314.20
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40	169983.10
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70	240056.30
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88	138557.10
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34	170224.90
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60	240377.30
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59	138766.90
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09	170450.70
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10	240737.80
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78	138931.50
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87	170653.50
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90	240998.50
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05	100393.20
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48	137774.50
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98	152451.40
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00	190436.10
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05	160709.50
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67	200891.90
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60	293743.60
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67	112833.80
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82	172314.80
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64	187932.60
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88	15745.60
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50	122468.40
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51	187602.30
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09	205152.90
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10	239788.00
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50	113091.70
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63	123947.40
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64	144250.20
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38	114940.50
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24	129954.50
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54	169395.50

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26	128973.20
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33	146232.50
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54	192628.90
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35	149978.80
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45	167982.20

117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65 77806.57
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37 59452.09
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50
* 123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68 89974.45
* 123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40
* 123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30
* 123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44 63732.80
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.94136336.70
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.40253555.20
* 126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
* 126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.48	39079.57147128.60
* 126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80
* 126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.08222362.40
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
* 129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
* 129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20	
* 129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80	
* 129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30	
* 130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60	
* 130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
* 130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
* 130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
* 132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00	
* 132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30	
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
* 134.970	5809.00	.00	.00	69.65	101000.00	106.13	.00	106.73	1.34	6.22	17438.02 87264.71	
* 134.970	5809.00	.00	.00	69.65	157000.00	110.36	.00	111.36	1.95	8.19	24374.77112485.70	
* 134.970	5809.00	.00	.00	69.65	181000.00	111.60	.00	112.69	2.10	8.71	35184.54124891.90	
* 134.970	5809.00	.00	.00	69.65	242000.00	114.35	.00	115.35	2.05	9.08	64917.68168876.30	
137.100	11360.00	.00	.00	73.50	101000.00	107.99	.00	108.73	2.39	7.03	19105.52 65303.29	
137.100	11360.00	.00	.00	73.50	157000.00	112.78	.00	113.41	1.92	7.21	55130.70113408.20	
137.100	11360.00	.00	.00	73.50	181000.00	114.10	.00	114.66	1.75	7.12	72351.40136680.00	
137.100	11360.00	.00	.00	73.50	242000.00	116.57	.00	117.03	1.57	7.13	107213.00193435.50	
138.000	4800.00	.00	.00	68.00	101000.00	109.10	.00	110.01	2.82	7.74	14903.02 60191.45	
138.000	4800.00	.00	.00	68.00	157000.00	113.64	.00	114.31	2.13	7.56	54029.63107593.30	

138.000	4800.00	.00	.00	68.00	181000.00	114.87	.00	115.44	1.90	7.37	71507.88131248.20
138.000	4800.00	.00	.00	68.00	242000.00	117.25	.00	117.67	1.56	7.06	107928.60193745.00
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.65 95743.12
139.000	5200.00	.00	.00	62.50	181000.00	115.70	.00	116.69	2.71	8.54	44881.29110017.00
139.000	5200.00	.00	.00	62.50	242000.00	117.90	.00	118.70	2.43	8.54	78279.97155267.60

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BRAZOS RIVER FLOODWAY

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00	
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00	
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00	
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00	
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00	
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00	
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00	
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00	
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00	
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00	
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00	
*	67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
*	67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
*	67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
*	67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00	
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00	
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00	
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00	
*	68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
*	68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
*	68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
*	68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00	
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00	
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00	
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00	
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00	
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00	
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00	
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00	
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00	
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00	
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00	
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00	
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00	
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00	
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00	
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00	
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00	
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00	
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00	
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00	
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00	
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00	
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00	
*	71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
*	71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
*	71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
*	71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00	
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00	
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00	
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00	
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00	
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00	
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00	
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00	
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00	
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00	
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00	
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00	
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00	
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00	
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00	
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00	
*	79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
*	79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
*	79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
*	79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00	
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00	
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00	
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00	
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00	
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00	
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00	
*	83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
*	83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
*	83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
*	83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
*	83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
*	83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
*	83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
*	83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00	
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00	
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00	
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00	
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00	
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00	
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00	
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00	
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00	
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00	
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00	
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00	
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00	
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00	
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00	
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00	
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00	
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00	
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00	
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00	
*	86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
*	86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
*	86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
*	86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
*	87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
*	87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
*	87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
*	87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00	
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00	
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00	
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00	
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00	
89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00	
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00	
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00	
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00	
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00	
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00	
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00	
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00	
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00	
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00	
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00	
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00	
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00	
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00	
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00	
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00	
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00	
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00	
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00	
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00	
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00	
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00	
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00	
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00	
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00	
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00	
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00	
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00	
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00	
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00	
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00	
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00	
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00	
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00	
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00	
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00	
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00	
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00	
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00	
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00	
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00	
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00	
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00	
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00	
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00	
*	105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00	
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00	
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00	
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00	
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00	
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00	
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00	
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00	
*	111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
*	111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
*	111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
*	111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00	
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00	
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00	
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00	
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00	
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00	
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00	
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00	
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00	
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00	
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00	
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
*	123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	-.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	-.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	-.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7472.13	5809.00
*	134.970	181000.00	111.60	1.24	-.08	.00	9977.76	5809.00
*	134.970	242000.00	114.35	2.75	-.14	.00	10880.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.69	11360.00
	137.100	181000.00	114.10	1.32	2.50	.00	13560.52	11360.00
	137.100	242000.00	116.57	2.47	2.22	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.46	4800.00
	138.000	181000.00	114.87	1.23	.77	.00	15107.42	4800.00
	138.000	242000.00	117.25	2.38	.68	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.59	5200.00
	139.000	181000.00	115.70	1.08	.83	.00	15200.00	5200.00
	139.000	242000.00	117.90	2.20	.64	.00	15200.00	5200.00

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City Of Simonton
Brazos River Hydraulic Model
HEC-2 Computer Model
Revised Natural Conditions Model - Alignment #2
10, 50, 100, and 500 Year Frequency
RE_NATA2.FHO

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1*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 11SEP96 TIME 15:42:30 *
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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X X XXXXXXXX XXXXX XXXXX
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11SEP96 15:42:30

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PAGE 1

THIS RUN EXECUTED 11SEP96 15:42:30

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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Filename: re_nata2.fh does not encroach the 100 yr natural floodplain as the existing conditions model does. QT cards have been modified so as not to activate the "ET" cards.

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 10-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

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J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
3 58.47

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J2 NPROF IPLOT PRFVS XSECV XSBCH FN ALLDC IBW CHNIM ITRACE
1 -1 00.
110 150 200

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J3 VARIABLE CODES FOR SUMMARY PRINTOUT
150

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J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
-10 -10

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NC .1 .3
10 YR 50 YR 100 YR 500 YR FLDWAY
QT 7 181000 101000 157000 181000 242000 181000 181000
ET 9.1 9.1 9.1 7.1 20669 38236 15000 41899
NH 6 0.12 24100 0.025 24333 0.025 24473 0.025 24542 0.06
NH 34878 0.12 44078
X1 64.53 33. 24100. 24542. 0. 0.
X4 2 53.2 12600. 53. 13000.
GR 60 12590. 53 21000. 55.5 24000. 55 24100. 46.7 24190.
GR 20.7 24205. 15.5 24213. 14.8 24233. 14 24273. 14.3 24293.
GR 12 24313. 11.8 24333. 9 24373. 7.6 24413. 6.5 24433.
GR 6.4 24453. 10.5 24473. 20.6 24493. 55.5 24542. 56.4 25556.
GR 53.4 26303. 51.4 28807. 51.9 30532. 53 30979. 53.3 31355.
GR 51.2 34878. 49.2 36252. 51.5 36295. 48.9 36530. 47. 38813.
GR 55.4 41126. 54 41355. 57.7 41899. 57.6 43883. 59.8 44078.

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11SEP96 15:42:30

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PAGE 2

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ET 9.1 9.1 9.1 7.1 21789. 36768. 14990. 39786.
NC .1 .3
NH 6. 0.12 24300. 0.025 24680. 0.025 24840. 0.025 24900. 0.07
NH 37358. 0.12 40273.
X1 65.17 35. 24300. 24900. 3900. 3000. 3400.
X4 2. 54. 15000. 54.5 22600.
GR 65. 14990. 54.9 24300. 46.1 24366. 25. 24560. 20.6 24585.
GR 11.4 24680. 8.5 24740. 10.1 24780. 4. 24800. 5. 24820.

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GR	20.6	24840.	30.	24860.	40.	24880.	50.	24890.	55.2	24900.
GR	56.9	24982.	54.6	26141.	54.5	27166.	53.2	27678.	52.6	28232.
GR	52.7	29084.	52.4	30643.	51.2	31557.	52.8	32256.	52.1	32663.
GR	52.2	33645.	50.	34392.	48.9	35881.	48.6	36377.	48.6	37358.
GR	53.8	38485.	53.8	39445.	61.2	39786.	63.6	39995.	63.7	40273.

ET					7.1		18700.	33373.		
NH	9.	0.12	18800.	.025	19320.	.025	19499.	.025	19600.	0.07
NH	23256.	.055	26760.	0.120	31212.	.060	35450.	.120	36129.	
X1	66.65	46	19150	19600	2300	2700	7800			
X4	2	54.3	16200	54.9	18800					
GR	65.	16100.	54.5	17500.	54.5	19150.	49.5	19155.	27.7	19215.
GR	22.2	19233.	16.2	19280.	15.5	19320.	15.7	19360.	14.8	19400.
GR	14.5	19420.	13.7	19440.	12.6	19480.	22.2	19499.	55.9	19600.
GR	57.9	19778.	56.6	20465.	45.5	20600.	56.7	20617.	57.7	20735.
GR	55.6	21217.	54.1	23256.	53.5	24746.	52.8	25729.	53.	25825.
GR	49.8	25925.	52.7	25986.	52.6	26760.	50.3	28003.	50.1	29699.
GR	50.7	30427.	51.5	30688.	49.2	31212.	49.5	31923.	50.4	32554.
GR	48.6	32736.	48.5	33457.	51.4	33543.	47.3	33656.	49.8	34282.
GR	54.4	34526.	53.8	34828.	59.	35120.	55.3	35450.	64.4	35974.
GR	65.1	36129.								

ET		9.1	9.1	9.1	7.1		19001.	29000.	19000.	33835.
NC				.3	.5					
NH	7.	0.12	19200.	.025	19440.	0.025	19673.	.025	19835.	0.12
NH	23200.	.070	26000.	.120	43445.					
X1	67.35	28.	19200.	19835.	3900.	2600.	3700.			
X4	4.	57.0	19001.	42.	19300.	56.0	23200.	55.5	26000.	
GR	80.	19000.	58.1	19200.	16.9	19353.	15.4	19360.	16.	19440.
GR	15.6	19480.	14.7	19540.	12.4	19640.	16.9	19673.	55.4	19714.
GR	57.9	19835.	56.	21835.	56.1	23688.	56.2	25150.	54.6	27335.
GR	56.6	30340.	58.2	33790.	60.	33835.	56.3	34335.	55.1	36335.
GR	55.1	38335.	53.2	39335.	53.5	40335.	57.2	40835.	59.6	41145.
GR	59.7	42335.	65.8	42835.	68.6	43445.				

ET		9.1	9.1	9.1	7.1		16201.	27044.	16200.	30315.
NH	6.	0.12	18000.	0.120	18500.	.025	18732.	0.025	18892.	.025
NH	18950.	0.120	39141.							
X1	68.28	47.	18500.	18950.	4100.	2600.	4900.			
GR	65.	16200.	55.1	16210.	57.	18000.	57.	18010.	57.	18020.
GR	57.6	18500.	48.4	18550.	35.7	18597.	32.2	18620.	24.8	18672.
GR	19.1	18692.	17.3	18732.	13.2	18792.	11.7	18832.	10.6	18852.
GR	9.4	18872.	14.	18892.	24.7	18912.	50.	18940.	60.7	18950.
GR	60.2	19000.	57.8	20875.	57.6	22379.	60.2	22808.	59.7	23423.
GR	59.6	23748.	58.	23778.	57.2	25535.	56.	26005.	56.	26990.

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GR	55.	26993.	56.3	27410.	55.1	27973.	57.9	28192.	56.9	28258.
GR	53.9	28446.	55.	28907.	55.7	29379.	61.5	30315.	55.1	30531.
GR	57.2	31141.	52.4	31235.	55.2	32576.	57.	33617.	57.5	35627.
GR	58.5	36061.	59.5	39141.						

ET		9.1	9.1	9.1	7.1		20703.	32000.	20700.	36060.
NC				.1	.3					
NH	6.	0.120	23500.	.025	23585.	.025	23940.	.025	24060.	0.12
NH	41060.	.06	46060.							
X1	68.94	34.	23500.	24060.	3000.	2500.	3500.			
GR	70.0	20700.	70.0	20701.	70.0	20702.	3500.	55.5	20703.	55.6
GR	58.5	23500.	18.6	23585.	10.	23620.	11.6	23700.	9.9	23920.
GR	19.	23940.	58.4	24060.	56.8	24560.	56.2	26560.	57.5	28060.
GR	57.8	29560.	53.7	33060.	53.7	34560.	57.5	34625.	58.5	36060.
GR	57.	36560.	58.3	39060.	58.6	41060.	59.4	41360.	49.1	41415.
GR	58.4	41474.	58.	42060.	57.	42160.	46.	42265.	60.3	42350.
GR	65.3	42560.	68.2	43388.	68.3	45060.	66.4	46060.		

ET		9.1	9.1	9.1	7.1		25103.	34600.	25100.	39000.
NH	7.	0.120	25103.	0.12	26634.	.025	26792.	.025	27112.	.025
NH	27162.	0.060	29500.	0.12	46790.					
X1	69.64	31.	26634.	27162.	4100.	3000.	3700.			
X4	1.	59.0	29500.							
GR	70.0	25100.	70.0	25101.	70.0	25102.	55.0	25103.	57.0	25992.
GR	52.3	26634.	22.4	26792.	11.8	26972.	9.6	27072.	21.1	27112.
GR	55.2	27162.	59.	27560.	59.	31560.	59.	31960.	60.	33460.
GR	56.5	37857.	57.5	38940.	59.5	39000.	57.6	39084.	59.	40240.
GR	57.4	41276.	59.7	42829.	52.9	42875.	56.9	42888.	56.	44719.
GR	60.6	45672.	55.5	45727.	50.4	45737.	64.3	45858.	61.6	46190.
GR	70.7	46790.								

NC				.3	.5					
ET		9.1	9.1	9.1	7.1		25601.	34500.	25600.	39595.
NH	6.0	0.12	27540.	.025	27650.	.025	27870.	.025	27920.	.060
NH	32500.	.12	47700.							
X1	70.32	29.	27540.	27920.	3600.	2000.	3700.			
X4	5.0	55.1	25601.	55.2	26150.	56.4	26365.	55.9	32500.	66.0
X4	47500.									
GR	70.0	25600.	50.2	27284.	49.2	27540.	17.4	27650.	16.8	27750.
GR	16.4	27830.	17.4	27870.	20.4	27886.	23.7	27900.	58.1	27920.
GR	59.0	28095.	56.4	29095.	56.0	31095.	55.7	34095.	57.3	35330.

GR	58.5	39540.	60.6	39595.	60.9	41243.	49.5	41371.	60.5	41426.	
GR	60.0	43700.	51.0	43850.	60.0	44000.	63.0	45500.	63.0	46000.	
GR	60.0	46550.	49.0	46700.	65.0	47050.	70.0	47700.			
ET		9.1	9.1	9.1	7.1			28501.	36000.	28500.	37500.
NC	.12	.07	.025								
X1	71.23	28.	31007.	31624.	3000.	5000.	4800.				
X4	2	56.3	27100.	57.1	32750.						
GR	70.	27000.	56.3	29500.	60.5	30500.	60.0	31007.	13.9	31167.	
GR	17.0	31185.	7.5	31215.	16.0	31295.	19.0	31495.	60.0	31624.	
GR	58.5	32000.	55.4	33500.	57.0	37500.	63.4	41980.	62.2	42140.	
GR	62.5	42880.	60.1	43880.	60.5	44880.	60.5	46400.	52.0	46547.	
GR	60.5	46680.	61.7	48360.	61.7	49400.	50.0	49530.	59.0	49623.	

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GR	59.1	49890.	65.0	50080.	70.0	50330.					
ET		9.11	9.11	9.11	7.11			28501.	36000.	28500.	37500.
NC	0.08	0.08	0.025	0.30	0.50						
X1	71.25				100.	100.	100.				
SB	.9	1.5	2.5		300.	15.0	26660.	2.85	7.5	7.5	
ET		9.11	9.11	9.11	7.11		28501.	36000.	28500.	37500.	
X1	71.26				50.	50.	50.				
X2			1.0	66.3	56.5						
BT	15	27000	70	27100	62.5						
BT	31007	69.6	60.0	31007.5	69.6	66.3	31623.5	29500	63		
BT	69.6	60.0	32000	67.3	0.0			69.6	66.3	31624	
BT	0.0	34800	62.8	0.0	34810	56.1	0.0	35450	56.1	0.0	
BT	35460	63.2	0.0	37500	63.7	0.0					
ET		9.1	9.1	9.1	7.1			28501.	36000.	28500.	37500.
NC				.3	.5						
X1	71.28				100	100	100				
ET					7.1		21000	27727	21000	29646	
X1	71.6	28.	21380.	21860.	2000.	1000.	1700.				
GR	70.	21000.	55.7	21100.	56.3	21380.	49.8	21462.	22.7	21542.	
GR	13.7	21652.	14.3	21692.	7.9	21732.	10.6	21772.	39.4	21822.	
GR	60.9	21860.	61.0	21940.	59.5	23040.	56.	23940.	57.1	25584.	
GR	58.	25750.	56.4	26010.	56.3	26101.	58.4	26168.	58.1	26264.	
GR	54.3	26438.	56.7	26447.	57.8	26712.	57.5	26946.	57.0	27646.	
GR	59.2	29646.	62.1	31146.	62.6	31946.					
ET					7.1		17248.	25698.	14300.	28074.	
NC		.120	20200.	.025	.5	20662.	.025	20847.	.025	20912.	.050
NH	28074.	.06	29039.								
X1	72.44	24.	20200.	20912.	4000.	2000.	4400.				
X4	2	61.0	14400.	60.0	14900.						
GR	73.	14300.	55.	17800.	40.	18150.	55.	18300.	60.	19400.	
GR	60.	20200.	50.	20400.	40.	20492.	22.	20662.	18.7	20707.	
GR	14.8	20747.	11.6	20787.	8.0	20807.	10.6	20827.	22.	20847.	
GR	62.5	20912.	58.5	22212.	60.8	24202.	60.4	26202.	63.4	28074.	
GR	56.6	28212.	62.7	28322.	63.1	28990.	69.3	29039.			
ET					7.1		10293.	21200.			
NC		.050	8482.	.120	.3	19650.	.025	19714.	.025	19974.	.025
NH	20224.	.06	24630.								
X1	74.66	32.	19650.	20224.	3700.	3000.	11700.				
GR	70.	6400.	62.8	6478.	62.7	6844.	60.4	8482.	63.7	9600.	
GR	63.6	10500.	55.	11600.	55.	11900.	61.	12400.	60.	13200.	
GR	45.	14000.	55.	14200.	58.	14600.	58.	15200.	60.	15700.	
GR	60.	19650.	23.4	19714.	20.9	19754.	18.	19794.	17.2	19814.	
GR	14.5	19854.	18.2	19914.	23.4	19974.	40.7	20065.	51.5	20100.	
GR	56.9	20195.	64.4	20224.	63.5	22653.	59.7	22783.	63.7	23175.	
GR	61.2	23461.	66.8	24630.							

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ET		9.1	9.1	9.1	7.1			10403.	21707.	6000.	24676.
NH	6	.12	9042.	.05	12200.	.12	14150.	.025	14950.	.12	
NH	15500.	.05	24676.								
X1	76.82	32.	14150.	14950.	3400.	3000.	11400.				
X4	1	60.4	12200.								
GR	70.0	5997.	70.	5998.	70.	5999.	70.	6000.	63.5	6450.	
GR	63.3	8300.	63.5	8550.	63.6	8696.	52.0	8870.	61.9	9042.	
GR	61.5	10600.	60.	12900.	61.	13600.	63.	14150.	58.4	14300.	
GR	34.8	14372.	33.	14432.	27.	14472.	24.9	14512.	13.1	14592.	
GR	13.0	14612.	13.9	14632.	23.5	14672.	38.7	14681.	55.	14950.	
GR	60.	15500.	60.	17100.	63.7	20400.	62.6	21700.	62.7	23900.	
GR	61.5	24450.	66.9	24676.							
ET		9.1	9.1	9.1	7.1			16800.	25153.	11347.	28626.
NH	7.	.050	8000.	.060	11347.	.120	17300.	.025	18020.	.120	

NH	18200.	.050	28461.	.120	28626.					
X1	77.25	42.	17300.	18020.	3700.	900.	2300.			
X4	1.	65.7	8000.							
GR	72.	6450.	64.9	6450.	65.8	7200.	66.4	8526.	65.2	8988.
GR	65.3	9574.	67.1	10281.	65.2	10496.	53.0	10585.	53.1	10642.
GR	64.6	10747.	64.6	10750.	66.7	11347.	65.	12297.	63.7	14476.
GR	64.	14680.	62.8	14868.	63.8	16008.	63.	16826.	59.5	16874.
GR	63.7	16922.	64.2	17300.	63.5	17306.	22.8	17377.	20.6	17437.
GR	16.1	17537.	13.3	17557.	18.4	17577.	22.8	17637.	29.4	17697.
GR	37.3	17717.	45.4	17850.	56.4	18020.	56.4	18200.	50.0	18300.
GR	55.	18650.	65.	22500.	65.9	24168.	63.7	24231.	62.7	25269.
GR	63.7	28461.	66.9	28626.						

ET		9.1	9.1	9.1	7.1			27689.	33064.	20363.	33947.
NH	5.	.120	13790.	.060	21500.	.120		28189.	.025	29274.	.050
NH	33947.										
X1	79.77	39.	28189.	29274.	5900.	7600.	13300.				
X4	1.	67.0	21500.								
GR	72.	11700.	67.	11700.	67.2	12393.	67.2	12400.	67.2	12410.	
GR	66.4	13790.	56.4	14088.	67.4	14249.	67.3	15900.	65.3	16976.	
GR	67.1	18302.	60.1	18392.	67.3	18537.	65.8	19591.	68.4	20363.	
GR	66.7	21988.	59.9	22023.	69.2	22267.	64.9	25049.	67.2	25439.	
GR	69.3	28189.	37.2	28271.	29.3	28291.	23.4	28331.	20.2	28351.	
GR	19.7	28391.	23.5	28431.	27.9	28431.	30.2	28491.	34.2	28531.	
GR	37.3	28549.	55.2	28577.	59.7	29237.	67.2	29274.	68.5	29312.	
GR	67.2	30460.	63.	32908.	63.6	33803.	68.4	33947.			

ET		9.1	9.1	9.1	7.1			29200.	34500.	24941.	37643.
NC				.1	.3						
NH	5.	.060	21591.	.120	29700.	.025	30675.	.120	35000.	.050	
NH	37643.										
X1	80.45	31.	29700.	30675.	3800.	3700.	3600.				
X4	1.	66.5	35000.								
GR	73.	14627.	73.	16085.	73.	19000.	64.6	19201.	66.8	21591.	
GR	64.6	22215.	69.1	23785.	70.2	24941.	68.1	25759.	69.8	28497.	
GR	61.2	28645.	61.5	29405.	67.	29655.	67.6	29700.	54.0	29790.	
GR	57.6	29840.	36.8	29892.	29.1	29952.	25.8	30072.	22.8	30132.	
GR	28.5	30212.	36.6	30225.	56.6	30272.	65.7	30468.	71.9	30675.	

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GR	71.1	31500.	66.8	33000.	66.4	33500.	65.4	37060.	68.	37500.
GR	72.2	37643.								

NC			.1	.3							
ET		9.1	9.1	9.1	7.1			28330.	31907.	25279.	34088.
NH	7.	.120	25279.	.050	28100.	.120		28830.	.025	29426.	.050
NH	32455.	.120	34650.	.050	39584.						
X1	81.87	37.	28830.	29426.	5700.	6700.	7300.				
GR	75.8	21100.	70.1	21411.	69.	22600.	69.8	23540.	68.7	23610.	
GR	68.2	24600.	54.9	25190.	51.7	25205.	70.7	25279.	67.8	26555.	
GR	71.1	27100.	72.1	28100.	64.5	28400.	65.7	28830.	31.9	28996.	
GR	28.6	29056.	33.2	29096.	29.5	29176.	30.5	29236.	34.2	29276.	
GR	59.	29377.	64.4	29426.	71.3	29441.	70.9	30778.	67.6	31899.	
GR	70.9	32295.	55.4	32455.	73.5	32599.	70.1	32907.	63.4	33651.	
GR	73.5	34088.	71.7	34650.	77.4	35630.	78.9	36878.	78.6	37228.	
GR	76.6	39410.	81.4	39584.							

ET		9.1	9.1	9.1	7.1			4593	8467	2500	13704
NH	6	.050	7000	.120	7279	.025	7967	.120		8364	.050
NH	10200	.120	23660								
X1	83.18	38	7279	7967	4400	7200	7000				
X4	1	69.6	10200								
GR	79.4	1000.	71.6	1500.	70.7	2000.	61.7	2298.	70.6	2364.	
GR	71.8	2500.	70.9	6000.	59.5	6233.	58.	6842.	60.0	6910.	
GR	60.9	7000.	58.9	7279.	42.2	7432.	37.2	7642.	31.6	7742.	
GR	28.7	7782.	30.7	7802.	24.6	7862.	45.5	7922.	68.2	7967.	
GR	68.8	8202.	75.3	8364.	69.7	9747.	69.3	11832.	71.7	13704.	
GR	69.6	14450.	69.9	15980.	73.1	17960.	58.2	18097.	60.2	18107.	
GR	71.6	18132.	75.4	18342.	78.6	18872.	78.0	20890.	75.9	21291.	
GR	82.2	21448.	77.6	21548.	78.2	23660.					

ET		9.1	9.1	9.1	7.1			13813.	17750.	10000.	20180.
NH	8	.050	15000	0.06	15500	0.12	16150	.025		16750	0.12
NH	17450	0.06	20625	0.12	23450	0.06	30083				
X1	83.81	45	16150	16750	2500	2935	3370				
X4	1	71	24100								
GR	80	7100	72.5	8000	72.5	9200	69.3	9300	72.4	9350	
GR	72.5	10000	72	11000	71.6	12120	65.8	12150	71.6	12200	
GR	72.4	13000	72.3	14000	75.2	15000	73.8	15127	57	15500	
GR	56	16000	54.5	16150	50.9	16210	46.1	16280	50.6	16300	
GR	42.1	16340	34.2	16380	42.5	16420	47.3	16700	59.1	16750	
GR	65	16900	71.2	17450	69	17750	68.8	18500	68.7	19100	
GR	68.8	19350	69.3	19620	70.8	20180	69.1	20625	63.6	20655	
GR	69.1	20725	69.5	23450	72.4	24750	71.4	25388	59.1	25450	
GR	71.6	25510	79.3	26750	78.6	28650	80.6	30000	82.7	30083	

ET		9.1	9.1	9.1	7.1			17000	20366	14498	21500
NC	.06	.06	.025								

X1	84.15	45.	18700.	19866.	2000.	2500.	1700.			
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	15.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	7670.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	8852.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	11100.

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GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.11	9.11	9.11	7.11					
NC				.3	.5		17000.	20366.	14498.	21500.
X1	84.17	45	18700.	19866.	100.	100.	100.			
X2										

X4	1	92.0	19867.							15.
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	91.3	18699.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

SB	1.05	1.5	2.5		150.	22.	31370.	7.5	28.4	28.4
ET		9.11	9.11	9.11	7.11		17000.	20366.	14498.	21500.
X1	84.19				100.	100.	100.			
X2										
X2			1.	85.1	91.3					15.
BT	4	18699.	91.3	91.3	18700.	91.3	85.1	19866.	92.0	85.1
BT	19867.	92.0	92.0							

ET		9.1	9.1	9.1	7.1					
NC	.06	.06	.025	.1	.3		17000.	20366.	14498.	21500.
X1	84.21	45	18700.	19866.	100.	100.	100.			
X2										
GR	81.	5500.	72.9	6000.	70.2	6500.	72.7	7329.	71.5	7670.
GR	66.7	7682.	68.8	7690.	72.5	8000.	72.8	8500.	70.2	8852.
GR	73.4	9000.	71.2	10000.	71.8	10558.	67.7	10590.	70.5	11100.
GR	72.9	11920.	70.5	12500.	70.5	14500.	72.8	16500.	70.5	18000.
GR	75.	18626.	75.5	18700.	74.3	18872.	68.1	19002.	48.1	19084.
GR	37.5	19144.	31.9	19244.	31.4	19304.	28.4	19344.	39.2	19424.
GR	39.4	19444.	48.7	19575.	65.	19600.	75.	19866.	71.9	20500.
GR	68.4	21500.	70.3	22000.	69.7	22500.	70.5	24000.	70.4	24800.
GR	70.7	25215.	73.4	27450.	64.2	27500.	74.8	27550.	81.2	28000.

ET		9.1	9.1	9.1	7.1					
NH	9.	.050	13173.	.060	14783.	.120	15800.	16800.	10000.	17570.
NH	17570.	.050	19600.	.060	26300.	.120	15915.	.025	16792.	.120
X1	85.10	64.	15915.	16792.	4500.	1700.	29400.	.060	29986.	
X2							4850.			
X4	2.	73.0	19600.	72.0	26300.					15.
GR	79.0	1000.	74.9	1052.	74.2	2418.	76.2	2886.	75.5	3128.
GR	75.2	3824.	65.0	3974.	75.3	4194.	75.6	4810.	74.0	5030.
GR	76.0	5384.	75.5	6351.	77.0	6829.	73.3	7116.	76.7	7423.
GR	75.3	8173.	75.9	8445.	75.4	8987.	72.6	9357.	75.7	9486.
GR	75.9	10000.	74.3	11035.	71.4	11053.	71.5	11193.	75.2	11255.

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GR	72.8	13173.	72.7	14783.	75.6	15761.	73.8	15915.	61.	15963.
GR	39.6	15964.	28.4	15984.	24.1	16004.	24.1	16024.	25.6	16044.
GR	28.4	16064.	27.4	16104.	30.6	16144.	35.3	16204.	39.6	16236.
GR	59.9	16593.	63.4	16781.	73.8	16792.	78.1	17162.	76.1	17570.
GR	72.6	20010.	72.4	20475.	72.4	20585.	72.0	21530.	72.2	22185.
GR	72.4	23015.	72.4	23125.	71.5	24210.	71.5	24670.	73.5	25565.
GR	66.8	25615.	73.5	25665.	70.7	27215.	73.4	29000.	73.4	29300.
GR	64.2	29350.	74.8	29400.	75.8	29736.	81.2	29986.		

ET		9.1	9.1	9.1	7.1					
NH	8.	.050	22990.	.060	30599.	.120	30478.	35180.	25844.	36126.
NH	33216.	.060	37500.	.050	38000.	.060	31913.	.025	32550.	.120
X1	86.91	45.	31913.	32550.	5900.	5100.	46203.			
X4	2.	73.2	37500.	74.	38000.		9520.			
GR	83.2	18926.	76.1	19140.	78.7	19160.	77.7	21104.	70.4	21444.
GR	79.1	21614.	75.8	22032.	77.6	22514.	69.	22990.	77.1	23194.
GR	76.7	23938.	74.3	25022.	77.3	25844.	75.5	26043.	75.5	29696.
GR	78.	30478.	54.5	30599.	77.6	30714.	77.1	31904.	77.9	31913.
GR	41.1	31972.	38.2	32032.	39.4	32112.	30.3	32312.	33.1	32352.
GR	29.7	32452.	43.4	32492.	67.6	32550.	68.3	33216.	64.6	33887.
GR	60.5	34198.	63.6	35292.	59.5	35823.	77.7	36126.	74.4	36160.
GR	73.1	37745.	74.8	38630.	72.2	39526.	74.2	41856.	71.3	42456.

SB	1.05	1.5	2.5		40.0	20.0	24880.	5.3	25.8	25.8
ET		9.11	9.11	9.11	7.11		11905.	12668.	11579.	13617.
X1	92.17				48.	48.	48.			
X2			1.	92.1	96.0					
X3	10									
BT	30.	00	87.6		27.	81.7		855.	83.4	
BT	975.	78.9		1089.	82.4		1681.	82.6		2379.
BT	81.2		2549.	79.7		3019.	81.1		3383.	80.5
BT		3982.	82.8		4382.	80.0		4612.	82.8	
BT	4857.	81.3		4887.	87.1		4996.	84.6		5697.
BT	83.0		6095.	83.3		7325.	83.2		8343.	83.6
BT		8763.	83.2		10085.	84.1		10635.	84.0	
BT	11579.	89.3	84.2	12244.	96.0	92.0	12329.	96.1	92.1	12615.
BT	95.8	91.9	12668.	95.8	88.5	12856.	92.5		13403.	93.1

ET		9.1	9.1	9.1	7.1		11905.	12668.	11579.	13617.
X1	92.19				100.	100.	100.			
ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
X1	92.27	43.	12164.	12892.	400.	400.	400.			
GR	87.6	00	81.7	27.	83.4	852.	78.9	975.	82.4	1089.
GR	82.6	1681.	81.2	2379.	79.7	2549.	81.1	3019.	80.5	3383.
GR	82.8	3982.	80.	4382.	82.8	4612.	81.3	4857.	81.7	4887.
GR	81.7	5000.	82.7	5668.	81.7	6177.	82.2	6490.	80.0	8066.
GR	81.5	9399.	81.0	10200.	81.0	10600.	81.2	10680.	82.8	11175.
GR	84.2	11443.	83.6	11750.	81.9	11828.	82.1	12164.	68.0	12200.
GR	67.0	12330.	40.0	12400.	35.0	12450.	25.0	12600.	35.0	12640.
GR	45.0	12650.	65.0	12700.	80.9	12786.	83.9	12837.	84.1	12892.
GR	85.2	13168.	86.2	13555.	87.0	13900.				

ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
X1	92.29				100.	100.	100.			
X3	10									

SB	1.05	1.5	2.5		30.	20.	24280.	5.6	25.0	25.0
ET		9.11	9.11	9.11	7.11		12164.	12892.	11443.	13900.
NC	.080	.060	.025							
X1	92.30				20.	20.	20.			
X2			1.	90.0	93.3					
X3	10									
BT	18	4857.	81.3		4887.	87.6		5668.	87.5	
BT	6490.	87.1		8066.	86.5		9399.	86.8		10200.
BT	87.2		10680.	88.5		11175.		91.5	11443.	93.6
BT	84.2	11750.	93.6	90.0	12200.	93.4		88.2	12450.	88.2
BT	12892.	93.3	89.1	12893.	93.3	84.1	13168.	92.4		13555.
BT	90.2		13900.	89.0						

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ET		9.1	9.1	9.1	7.1		12164.	12892.	11443.	13900.
NC	.08	.06	.025							
X1	92.32				100.	100.	100.			

ET		9.1	9.1	9.1	7.1		27170.	27692.	26102.	29603.
NC			.1	.3						
NH	3.	.050	27170.	.025	27692.	.060	29603.			
X1	92.9	35.	27170.	27692.	2800.	3100.	3060.			
GR	89.1	17136.	89.1	17140.	84.	17279.	83.8	17968.	88.8	18003.
GR	84.2	18251.	85.6	19174.	84.4	19674.	82.8	21120.	82.7	22324.
GR	83.6	22739.	82.7	23236.	82.8	24319.	81.9	25036.	82.5	25686.
GR	84.2	26102.	83.5	27168.	83.9	27170.	63.4	27224.	45.8	27266.
GR	39.5	27290.	41.4	27310.	41.5	27330.	39.5	27430.	38.6	27490.
GR	40.4	27590.	40.4	27610.	45.8	27645.	69.	27692.	76.8	27800.
GR	80.5	28162.	74.6	28352.	88.5	28738.	89.3	29513.	92.5	29603.

ET		9.1	9.1	9.1	7.1		20695.	21220.	20495.	21950.
NC			.1	.3						
NH	6.	.060	10478.	.050	11500.	.120	16935.	.050	20695.	.025
NH	21220.	.120	27250.							
X1	94.34	41.	20695.	21220.	5600.	4000.	7600.			
X4	1.	86.5	11500.							
GR	95.	10000.	87.4	10478.	86.	13096.	85.6	13992.	87.0	14291.
GR	68.3	14461.	68.3	14470.	68.3	14480.	68.3	14509.	68.3	14530.
GR	86.8	14587.	87.6	14633.	88.0	14835.	84.	16225.	82.5	16445.
GR	85.	16935.	84.	17685.	85.	20065.	87.	20495.	85.	20595.
GR	75.	20695.	65.	20715.	48.7	20750.	39.2	20790.	38.1	20810.
GR	37.8	20850.	37.5	20930.	38.7	21010.	37.1	21030.	37.6	21050.
GR	48.7	21072.	75.	21150.	85.	21220.	86.	21950.	84.	23450.
GR	83.	23550.	84.	24000.	84.	25000.	83.	25450.	85.	25800.
GR	95.	27250.								

NC	.05	.05	.026	.1	.3					
NH	9	.050	8254	0.12	10480	.050	12871	0.12	15512	.050
NH	19446	0.12	20376	.025	20800	0.12	24004	.050	25490	
ET		9.1	9.1	9.1	7.1		20376.	20800.	18418.	21947.
X1	94.98	52.	20376.	20800.	4900.	3500.	3400.			

GR	92.8	1000.	89.5	1538.	91.8	1948.	90.2	3220.	85.3	3901.
GR	89.5	4138.	87.2	4924.	88.5	5688.	82.5	5900.	91.8	6266.
GR	85.2	7568.	81.2	7590.	89.3	7850.	81.2	8254.	89.7	8408.
GR	86.1	10480.	86.9	11321.	85.3	12009.	85.9	12871.	85.0	13999.
GR	86.3	14036.	84.1	14106.	83.7	15512.	83.1	16552.	84.1	17694.
GR	85.9	18024.	80.7	18156.	87.3	18418.	85.9	18962.	86.1	19446.
GR	87.6	19721.	79.9	19914.	73.2	20044.	75.4	20244.	69.3	20376.
GR	49.2	20418.	41.7	20440.	41.4	20500.	38.4	20580.	32.4	20640.
GR	29.4	20680.	49.2	20724.	63.8	20784.	81.6	20786.	92.	20800.
GR	87.4	21469.	86.5	21947.	82.7	22934.	82.3	23679.	90.7	24004.
GR	93.5	25082.	93.7	25490.						

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NC			0.025							
NH	9	0.12	1300	.050	3981	0.12	5730	.050	7804	0.06
NH	12602	.050	16000	0.12	21800	.025	22480	0.12	26792	
ET		9.1	9.1	9.1	7.1		21800.	22480.	21784.	23677.
X1	95.61	50.	21800.	22480.	3600.	3200.	3300.			
X4	2	93	1300	83.4	16000					
GR	94.1	1000.	89.6	1872.	92.3	2226.	91.9	3240.	89.6	3728.
GR	81.2	3981.	92.8	4346.	89.9	5730.	89.2	7804.	89.9	8192.
GR	89.5	10010.	90.8	10084.	90.8	12316.	89.2	12602.	88.9	13720.
GR	88.1	14734.	89.4	15086.	88.7	15118.	86.7	16380.	87.3	16898.
GR	85.9	17734.	87.	18246.	85.6	18552.	78.6	18674.	86.0	18870.
GR	88.5	19308.	89.3	20284.	86.4	20784.	86.0	21274.	88.6	21784.
GR	87.4	21800.	48.2	21865.	37.9	21905.	35.1	21945.	46.8	22185.
GR	48.2	22225.	58.9	22331.	71.3	22439.	78.	22480.	82.8	22572.
GR	74.6	22696.	82.5	22858.	73.7	22889.	77.5	23117.	79.1	23625.
GR	90.8	23677.	89.7	24787.	84.8	25449.	95.9	25933.	103.6	26792.

NC			.025							
NH	5	.050	15497	0.06	20647	0.12	25884	.025	26400	0.12
NH	29050									
ET		9.1	9.1	9.1	7.1		25884.	26400.	23893.	29050.
X1	96.93	35.	25884.	26400.	4400.	5900.	7000.			
GR	96.9	11107.	96.9	11150.	96.9	11200.	92.1	12632.	86.2	12650.
GR	91.5	12736.	94.	13107.	92.9	14595.	89.4	15497.	89.9	15899.
GR	88.4	17565.	89.1	18255.	81.4	18685.	87.	19181.	88.3	20647.
GR	90.7	22099.	88.4	23333.	64.8	23511.	76.5	23565.	89.7	23783.
GR	90.4	23893.	87.3	25884.	40.	26009.	32.4	26032.	28.3	26132.
GR	29.4	26192.	29.5	26252.	40.	26315.	74.5	26382.	84.6	26400.
GR	100.3	26673.	92.8	27223.	95.7	27318.	101.	27818.	105.6	29050.

NC	.13	.13	.025							
NH	10	0.06	4000	0.12	8515	.050	11015	0.12	14015	.050
NH	18940	0.06	23018	.050	31015	0.12	31242	.025	31722	0.12
NH	33833									
ET		9.1	9.1	9.1	7.1		30000.	31759.	23018.	32136.
X1	99.56	59.	31242.	31722.	10000.	14400.	13900.			
X4	1	97.5	4000							
GR	99.2	2545.	95.8	2741.	97.8	3524.	97.2	4515.	98.	4955.
GR	97.5	5294.	94.2	5515.	93.4	6015.	95.	6515.	91.	6555.
GR	92.4	7015.	98.0	7515.	85.7	7633.	81.	7758.	97.7	7883.
GR	97.6	8515.	91.3	9515.	96.5	10015.	94.6	10065.	93.7	11015.
GR	88.8	14015.	88.1	14515.	90.	15524.	89.8	17536.	92.6	18515.
GR	89.4	18735.	84.	18782.	82.9	18875.	90.	18940.	89.	20021.
GR	87.1	20532.	91.3	20926.	90.	21535.	91.6	22032.	90.1	23018.
GR	89.1	23525.	88.	28815.	85.7	29515.	84.4	31015.	87.2	31130.
GR	78.7	31187.	84.6	31242.	72.5	31300.	44.2	31367.	39.8	31467.
GR	34.9	31567.	41.8	31587.	49.2	31607.	85.9	31722.	89.3	31759.
GR	85.8	31776.	95.8	32136.	100.3	32504.	100.5	32687.	92.6	33478.
GR	89.8	33588.	79.8	33631.	91.8	33788.	104.3	33833.		

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NC			.1	.3						
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.07	32.	30624.	31664.	3100.	2700.	2500.			
GR	92.2	15722.	92.2	15723.	92.2	15724.	92.8	18534.	90.6	19124.
GR	85.5	19354.	90.8	19484.	89.1	19953.	82.7	20066.	82.7	20440.
GR	88.8	20496.	89.2	21476.	85.7	23244.	85.4	26136.	85.7	27036.
GR	88.5	29136.	84.6	30036.	93.9	30556.1	90.	30624.	84.1	30676.
GR	75.8	30796.	69.6	30835.	37.4	31007.	42.3	31047.	29.8	31167.
GR	26.8	31227.	37.4	31247.	47.1	31252.	71.7	31304.	86.9	31664.
GR	93.5	31788.	100.8	32250.						
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.
X1	100.08				100.	100.	100.			
SB	1.05	1.2	2.5		200.	16.	32850.	3.3	26.8	26.8
NH	6	.06	21476.	.12	27036.	.05	30036.	.06	30624.	.025
NH	31664.	.06	32250.							
ET		9.11	9.11	9.11	7.11		29500.	32250.	18534.	32250.

X1	100.09			30.	30.	30.				
X2			1	101.7	104.					00
BT	6	30556.1	93.9		30624.	104.		31010.	106.4	
BT	31304.	104.5		31771.	99.5		32250.	100.8		
ET		9.1	9.1	9.1	7.1		29500.	32250.	18534.	32250.
X1	100.10				100.	100.	100.			
NC			.025	.1	.3					
NH	9	.05	2491	.06	6818	.05	10865	.12	15304	.05
NH	20554	.12	20932	.025	21400	.12	22900	.05	23700	
ET		9.1	9.1	9.1	7.1		19500.	21500.	13830.	21900.
X1	102.1	56	20932	21400	8000	11500	10700			
GR	106.3	922	100	1157	96.7	1483	92.6	1573	97.5	2032
GR	97.9	2491	95.1	3241	97.4	3436	96.7	3741	90.6	4041
GR	91.3	4440	98.7	5060	94.9	5472	96.3	5691	100.0	5804
GR	100.2	6818	95.4	7986	97.6	8421	97.1	8553	80.4	8698
GR	96.9	8831	97.1	9264	94.2	10200	95.4	10865	88.0	11244
GR	87.2	11653	92.9	12254	86.6	12384	86.1	12654	92.9	12748
GR	94.3	13830	90.6	15304	92.5	16114	92.9	16562	90.3	16681
GR	93.3	16781	91.3	17344	89.2	18447	92.3	18566	87.5	20554
GR	91.2	20932	70.0	20960	46.7	20966	41.0	20986	39.7	21026
GR	41.4	21046	43.3	21206	42.0	21286	46.6	21299	48.2	21375
GR	85.0	21400	94.0	21900	90.0	22150	105.0	22400	105.0	22900
GR	110.0	23700								
NH	6	.12	6100.	.05	15650.	.06	17250.	.05	20700.	.025
NH	21850.	.12	22700.							
ET					18.4					

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X1	105.5	14	20700	21850	13000	15150	17800			
X4	4	48.	21450.	100.	6100.	90.0	15650.	90.0	17250.	
GR	100	6000	100	6750	95	6900	95	7000	90	12700
GR	90	20700	54.5	21300	54.5	21600	90	21850	95	22200
GR	100	22400	105	22500	110	22600	112	22700		
NC	.12	.12	.025							
ET					6.4					
X1	109.9	16	29100	29800	22000	12600	23100			
GR	100.	27100.	100.	27101.	100	29100	58.1	29200	46	29450
GR	58.1	29700	80	29800	85	30500	85	31000	85	31200
GR	90	31300	95	31400	100	31500	105	31600	110	31850
GR	111	32600								
NC	.05	.05	.025							
ET					2.4					
X1	110.9	19	26400	27400	2430	5200	5300			
GR	100.	23347.	100.	23348.	100.	23349.	100.	23350.	100.	24100.
GR	95	25200	100	26050	100	26400	59	26700	49	26975
GR	59	27250	80	27400	85	27500	90	27600	95	27650
GR	100	27700	105	27750	110	28400	111	29200		
NC	.05	.12	.025							
ET					8.4					
X1	111.9	11	25150	25800	2800	4200	5500			
GR	100	24850	105	25100	105	25150	59.8	25250	52.5	25450
GR	59.8	25650	95	25800	100	26800	105	26850	115	27000
GR	117	27800								
NH	4	.12	17300.	.06	24700.	.025	25400.	.05	28500.	
ET		9.1	9.1	9.1	7.1		24700.	25400.	21900.	28500.
X1	112.9	27	24700	25400	4400	5250	5300			
GR	100.	13346.	100.	13347.	100.	13348.	100.	13349.	100.	13350.
GR	100	16900	80	17050	100	17300	100	18700	95	19050
GR	95	19550	100	20000	95	21600	95	21800	100	21900
GR	105	24500	105	24700	60.7	24800	53.8	25000	60.7	25200
GR	100	25400	100	25850	95	26000	100	26150	105	26400
GR	110	26550	115	28500						
NC	.05	.06	.025							
ET					16.4					
X1	114	26	15850	16750	5000	5500				
GR	105	7299	105	7300	105	7400	100	7900	100	9000
GR	100	10350	100	10500	105	10750	100	13150	105	13400
GR	100	13500	100	13650	100	13850	105	13900	105	14050
GR	100	14900	100	15850	61.6	15950	55	16150	61.6	16250
GR	90	16750	95	17150	100	17200	105	17300	110	17400
GR	115	19500								

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NH	5	.06	16400.	.12	18300.	.05	24700.	.025	25650.	.12
NH	27050.									
ET					16.4					
X1	117.8	21	24700	25650	20300	18700	20300			

X4	2	105.	16400.	105.	18300.					
GR	105.	14696.	105.	14697.	105.	14698.	105.	14699.	105.	14700.
GR	105	24500	110	24550	110	24700	64.6	25000	50	25200
GR	64.6	25400	95	25650	95	25800	90	26000	95	26150
GR	100	26200	105	26300	110	26350	115	26400	120	26900
GR	125	27050								

NH	5	.12	16000.	.05	19400.	.12	20200.	.025	21200.	.12
NH	25300.									
ET					5.4					
X1	118.8	13	20200	21200	4700	4400	5400			
X4	2	109.8	16000.	105.9	19400.					
GR	110	13300	110	15000	97.5	15200	110	15800	105	20200
GR	65.2	20550	54	20700	65.2	20800	90	21200	95	23400
GR	100	23900	100	24900	125	25300				

NH	6	.05	27800.	.12	28800.	.06	29600.	.12	39400.	.025
NH	39900.	.12	41300.							
ET					16.4					
X1	123.1	27	39400	39900	18000	20000	22600			
X4	4	100.	38350.	105.	27800.	105.	28800.	104.3	29600.	
GR	110.	23396.	110.	23397.	110.	23398.	110.	23399.	110.	23400.
GR	105	24200	105	25700	100	25800	100	26600	105	26800
GR	105	28100	100	28200	105	28400	105	29000	100	33400
GR	100	33800	90	34650	100	34900	095	39400	68.2	39550
GR	62.5	39675.	68.2	39800.	95.0	39900.	100.	40900.	105.	41000.
GR	110.	41150.	115.	41300.						

NH	6	.05	27700.	.12	29350.	.06	31800.	.05	39000.	.025
NH	39900.	.05	44600.							
ET					12.4					
X1	123.8	25	39000	39900	1950	3500	3700			
X4	7.	110.0	25230.	113.0	25320.	115.0	25100.	115.0	25030.	100.6
X4	27700.	105.	29350.	115.	31800.					
GR	110	19500	110	21700	109.8	24530	113	24910	106.8	25800
GR	105	26500	100	27850	105	27950	105	32100	100	35400
GR	95	35900	100	36200	100	39000	68.7	39250	62	39375
GR	68.7	39500	95	39900	95	41300	100	42650	105	42750
GR	110	42800	115	42900	120	43000	125	43100	130	44600

NC	.12	.05	.025	.1	.3					
ET					11.4					
X1	124.8	46	34500	35100	2700	3000	5000			
GR	114.	22487.	114.	22488.	114.	22489.	114.	22490.	114.	22920.
GR	113	22975	107	23040	107	23330	107	23331	109	23920
GR	108	24190	107	24480	105	24970	104	25110	100	25180
GR	100	25410	100	25680	105	25850	100	26000	100	26200
GR	105	26300	105	26620	104	27710	104	27890	100	28010
GR	100	28105	105	28150	105	30850	106	31110	107	31370

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GR	100	32150	100	34100	95	34150	100	34200	100	34500
GR	69.4	34800	61	34900	69.4	35000	95	35100	100	39400
GR	105	39500	110	39600	115	39700	120	39800	125	39900
GR	130	40700								

ET					9.4					
NC	.06	.06	.025	.1	.3					
X1	126.8	23	31550	32800	2300	11050	10900			
GR	110	26997	110	26998	110	26999.	110.	27000.	105.	31550.
GR	70.9	31650	54	31750	70.9	31850	105	32800	105	33300
GR	100	33500	95	33600	90	33700	90	33850	95	33950
GR	100	34050	105	34150	110	34300	115	34400	120	34500
GR	125	34800	130	35200	135	35400				

"127.70" X-Section is shown in the FEMA FIS book as "BF", since X-section 127.70 does not exist in the model, the geometry for X-section 127.60 will be used to represent X-Section "BF" in the model.

NC	.05	.05	.025	.3	.5					
ET					8.4					
X1	127.60	34	16050	17350	3800	3800	4000			
GR	110	10000	108	12400	107.2	15200	108.2	15300	106.7	15400
GR	106.6	15500	107.6	15600	106.5	15700	106.4	15800	105.6	15900
GR	105	16000	105	16050	104	16200	105	16300	105	16500
GR	106	16525	109	16535	111	16550	100	16570	74	16620
GR	75	16750	73	16850	70	16860	70	16935	62	16985
GR	58	17070	75	17175	82	17192	101	17208	105	17232
GR	105	17257	110	17350	113	17388	119	17500		

ET					8.41					
X1	127.61				100	100	100			
X3	10									
SB	1.25	1.5	2.6		500	20	40000	2	58	58
ET					7.11		16050	17350		
X1	127.62				28	28	28			

X2			1	122.5	125						
X3	10										
BT	8	15200	110		15350	110		15450	111		
BT	15600	113		16050	125.1		16450	131.3		17210	
BT	132.82		18000	132.82							
ET					8.4						
X1	127.63				100	100					
NH	5	.06	31000	.12	32000	.06	34750	.025	35700	.05	
NH	37300										
ET					7.4						
X1	127.9	15	34750	35700	800	1200	1100				
X4	2	105	31000	105	32000						
GR	110	28300	108	31500	105	34450	100	34750	71.7	35100	
GR	52	35200	71.7	35300	105	35700	110	36200	115	36450	
GR	120	36600	125	36700	130	36900	135	37100	130	37300	

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NC	.05	.05	.025	.1	.3						
ET					10.4						
X1	129.9	14	25400	26000	8000	12000	10600				
GR	110	10000	108	21000	105	25400	100	25500	73.7	25600	
GR	57.6	25700	73.7	25800	100	26000	103	26300	100	32000	
GR	100	35100	105	35900	110	36200	125	36300			
ET					10.4						
X1	130.7	16	30300.	31200.	2400.	6000.	4200.				
GR	110.0	10000.	108.0	21000.	108.0	24800.	105.	29800.	100.0	30300.	
GR	74.5	30700.	59.8	30800.	74.5	30900.	100.	31100.	105.0	31200.	
GR	105.	31900.	100.	36600.	100.	42800.	105.	43900.	110.	44100.	
GR	125.	44200.									
ET					9.4						
X1	132.2	14	22500	23200	4000	14000	7400				
GR	110	10000	108	19500	109	20000	105	20900	100	20950	
GR	95	21000	90	22200	90	22500	85	22700	76	22750	
GR	63	22900	76	23050	105	23200	110	29600			
ET					15.4						
X1	133.9	18	31500.	32450.	7000.	5000.	9000.				
GR	115.	20600.	110.	22400.	110.	24800.	105.	26500.	105.	31500.	
GR	77.5	31750.	68.0	31900.	77.5	32050.	80.0	32150.	85.0	32250.	
GR	90.0	32350.	95.0	32450.	100.	32700.	105.	33300.	105.	34500.	
GR	105.	35000.	110.	42000.	111.	43700.					

Cross section 135.00 of the FEMA model has been replaced with a new survey cross section 134.97
Two GR points were added to the geometry of cross section 134.97 for Levee alignment #2

ET					7.4						
NC	.05	.05	.025	.1	.3						
X1	134.97	70	14517	15097	5809	5809	5809				
GR	130	10000	130	10077	130	10188	130	10199	130	10292	
GR	130	10392	130	10490	130	10587	130	10684	130	10787	
GR	130	10865	130	10885	130	10989	130	11094	130	11189	
GR	130	11301	130	11403	130	11509	130	11615	130	11718	
GR	130	11821	130	11921	130	12022	130	12125	130	12228	
GR	130	12328	130	12428	130	12530	130	12630	130	12717	
GR	111	12717	111.11	12730	111.59	12828	111.85	12893	111.78	12925	
GR	111.61	13023	111.34	13119	110.24	13220	110.43	13220	110.35	13220	
GR	110.27	13220	109.03	13278	106.41	13295	109.06	13311	108.87	13362	
GR	110.13	13363	110.69	13460	111.09	13558	111.36	13639	110.73	13761	
GR	111.45	13828	111.89	13921	111.62	14018	110.99	14117	111.91	14222	
GR	111.4	14323	111.27	14449	111.27	14517	73.96	14559	69.65	14627	
GR	71.48	14667	70.9	14747	74.59	14812	85.24	15031	98.1	15097	
GR	100.23	15186	102.83	15297	110	15697	110	16797	110	21797	
ET					7.4						
X1	135.	16	9300.	9950.	7000.	3000.	7400.				
GR	130	1600.	130	4800.	130	7500	110	7500	110.	8500.	

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110.	8700.	105.	8800.	100.	9300.	79.0	9550.	72.0	9700.		
79.0	9850.	100.	9950.	110.	11000.	106.	12800.	110.	15000.		
111.	17500.										
NC	.05	.06	.025	.1	.3						
ET					7.1			23000.	30250.		
X1	137.1	15	23250.	23900.	5560	4160	11360				
GR	115.	19150.	110.	23000.	105.	23250.	81.8	23500.	73.5	23625.	
GR	81.8	23750.	100.	23900.	110.	24500.	106.	25500.	105.	26500.	
GR	110.	26700.	110.	30500.	109.	31000.	110.	31400.	113.	33400.	

STA= 14498. 16423. 18000. 18074. 19866. 21500.
 PER Q= .6 .4 .0 97.7 1.3
 AREA= 2131.4 1595.3 82.2 19916.6 2572.2
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.0 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 72.77

STA= 14498. 16475. 18000. 18076. 19866. 21500.
 PER Q= .6 .5 .0 97.6 1.3
 AREA= 2247.0 1681.9 86.7 19970.0 2633.0
 VEL= .4 .4 .4 7.7 .8
 DEPTH= 1.1 1.1 1.1 22.1 1.6

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 72.80

STA= 14498. 16499. 18000. 18320. 19866. 20500. 21500.
 PER Q= .7 .5 .1 97.4 .0 1.3
 AREA= 2301.3 1722.5 367.4 19994.7 82.5 2648.3
 VEL= .4 .4 .4 7.6 .2 .8
 DEPTH= 1.2 1.1 1.1 22.1 .1 2.6

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.03

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK	ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

STA= 11037. 15915. 16792.
 PER Q= .8 99.2
 AREA= 3409.3 23359.8
 VEL= .4 6.7
 DEPTH= .7 26.6

1

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
 T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM R.J.L
 T3 BRAZOS RIVER FLOODWAY 100-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
									58.47	
J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
			-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 73.83

STA= 5942. 10558. 14500. 18464. 19866. 22000. 24000. 27450. 27545.
 PER Q= 3.2 5.4 2.8 78.6 3.1 3.6 3.0 .3
 AREA= 9381.0 12201.4 8417.9 20956.5 6308.9 7518.4 8058.0 470.6
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.0 3.1 2.1 22.0 3.0 3.8 2.3 4.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 73.85

STA= 5941. 10558. 14500. 18113. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.2 5.5 2.7 78.7 3.0 3.7 3.0 .3
 AREA= 9472.1 12279.3 7902.8 20975.4 6016.0 7557.9 8126.1 472.5
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 4.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 73.88

STA= 5939. 10558. 14500. 18114. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.7 78.4 3.0 3.7 3.1 .3
 AREA= 9611.6 12398.3 8011.9 21004.2 6063.2 7618.3 8230.3 475.4
 VEL= .6 .8 .6 6.8 .9 .9 .7 1.0
 DEPTH= 2.1 3.1 2.2 22.0 2.8 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 73.92

STA= 5938. 10558. 14500. 18474. 19866. 22000. 24000. 27450. 27546.
 PER Q= 3.3 5.5 2.9 78.0 3.1 3.7 3.1 .3
 AREA= 9710.2 12482.5 8700.9 21024.6 6444.5 7661.0 8304.0 477.4
 VEL= .6 .8 .6 6.7 .9 .9 .7 1.0
 DEPTH= 2.1 3.2 2.2 22.0 3.0 3.8 2.4 5.0

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 74.69

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PAGE 23

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 1455. 15915. 16792. 24210. 29000. 29399.
PER Q= 2.6 90.2 3.9 3.1 .2
AREA= 8469.3 23939.8 12293.3 12899.1 942.5
VEL= .6 6.8 .6 .4 .4
DEPTH= .6 27.3 1.7 2.7 2.4

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T1 BRAZOS RIVER RESTUDY ,FLOODWAY DETERMINATION FILENAME = RE_NATA2.FH
T2 FORT BEND COUNTY --WITH ALL BRIDGES, WITH NEW CHANNEL N=.025 (FROM RJ.L
T3 BRAZOS RIVER FLOODWAY 500-YR W.S. PROFILE DEC, 1985 MR1191>BR3838

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6							58.47	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							00.

FLOW DISTRIBUTION FOR SECNO= 84.15 CWSEL= 76.27

STA= 5792. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.7 3.0 7.6 3.6 3.4 .0 57.9 3.3 3.2 4.3 3.1
AREA= 8135.6 10026.0 6531.3 17951.2 9247.8 9141.8 75.8 23597.5 7914.2 6598.9 9260.8 7034.5
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.3 4.3 5.9 5.3 4.6 4.3 1.0 20.2 4.8 6.6 6.2 5.8

STA= 25215. 27450. 27654.
PER Q= 3.4 .4
AREA= 9440.4 788.8
VEL= .9 1.1
DEPTH= 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.17 CWSEL= 76.29

STA= 5791. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27655.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8168.0 10066.2 6550.2 18009.8 9282.2 7525.2 23617.6 9915.3 12432.2 7055.5 9478.9 792.3
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.3 4.3 6.0 5.3 4.6 3.4 20.3 4.6 6.2 5.8 4.2 3.9

FLOW DISTRIBUTION FOR SECNO= 84.19 CWSEL= 76.30

STA= 5790. 7670. 10000. 11100. 14500. 16500. 18700. 19866. 22000. 24000. 25215. 27450. 27656.
PER Q= 3.1 3.8 3.1 7.7 3.6 2.9 58.3 4.7 5.9 3.2 3.5 .4
AREA= 8187.3 10090.2 6561.6 18044.9 9302.9 7542.7 23629.7 9932.2 12452.9 7068.0 9502.0 794.4
VEL= .9 .9 1.1 1.0 .9 .9 6.0 1.1 1.1 1.1 .9 1.1
DEPTH= 4.4 4.3 6.0 5.3 4.7 3.4 20.3 4.7 6.2 5.8 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 84.21 CWSEL= 76.33

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

STA= 5788. 7670. 10000. 11100. 14500. 16500. 18626. 18700. 19866. 21500. 22500. 24000. 25215.
PER Q= 3.1 3.8 3.0 7.6 3.6 3.4 .0 57.6 3.4 3.2 4.3 3.2
AREA= 8234.3 10148.4 6589.0 18129.8 9352.8 9253.4 79.7 23658.8 8000.0 6651.4 9339.6 7098.3
VEL= .9 .9 1.1 1.0 .9 .9 .3 5.9 1.0 1.2 1.1 1.1
DEPTH= 4.4 4.4 6.0 5.3 4.7 4.4 1.1 20.3 4.9 6.7 6.2 5.8

STA= 25215. 27450. 27657.
PER Q= 3.5 .4
AREA= 9557.8 799.5
VEL= .9 1.1
DEPTH= 4.3 3.9

FLOW DISTRIBUTION FOR SECNO= 85.10 CWSEL= 76.88

STA= 1027. 5384. 13173. 15915. 16792. 21530. 24210. 26300. 29736. 29786.
 PER Q= 3.1 3.9 2.6 74.8 4.3 4.7 3.5 3.1 .0
 AREA= 9791.1 14503.0 9643.3 25853.6 13806.4 12762.8 9681.6 16014.8 26.8
 VEL= .8 .6 .6 7.0 .8 .9 .9 .5 .2
 DEPTH= 2.2 1.9 3.5 29.5 2.9 4.8 4.6 4.7 .5

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THIS RUN EXECUTED 11SEP96 15:42:36

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRAZOS RIVER FLOODWAY
 SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
64.530	.00	.00	.00	6.40	101000.00	58.47	.00	58.55	.28	3.26	176960.50189446.00	
64.530	.00	.00	.00	6.40	157000.00	58.47	.00	58.67	.69	5.06	176960.50189446.00	
64.530	.00	.00	.00	6.40	181000.00	58.47	.00	58.72	.87	5.69	190069.00194479.70	
64.530	.00	.00	.00	6.40	242000.00	58.47	.00	58.91	1.55	7.60	190069.00194479.70	
65.170	3400.00	.00	.00	4.00	101000.00	58.56	.00	58.65	.27	3.05	152923.40194218.20	
65.170	3400.00	.00	.00	4.00	157000.00	58.69	.00	58.89	.63	4.67	156180.40197879.90	
65.170	3400.00	.00	.00	4.00	181000.00	58.74	.00	59.00	.83	5.35	157254.40199097.30	
65.170	3400.00	.00	.00	4.00	242000.00	58.97	.00	59.40	1.39	6.96	162917.00205598.60	
66.650	7800.00	.00	.00	12.60	101000.00	58.71	.00	58.82	.34	3.53	128114.40174240.60	
66.650	7800.00	.00	.00	12.60	157000.00	59.04	.00	59.27	.74	5.27	134565.70182640.10	
66.650	7800.00	.00	.00	12.60	181000.00	59.20	.00	59.49	.94	5.96	137642.10186749.40	
66.650	7800.00	.00	.00	12.60	242000.00	59.73	.00	60.16	1.45	7.48	147914.50200907.00	
* 67.350	3700.00	.00	.00	12.40	101000.00	58.75	.00	59.14	.95	5.20	51963.62103571.00	
* 67.350	3700.00	.00	.00	12.40	157000.00	59.13	.00	59.98	2.11	7.81	57536.42108081.00	
* 67.350	3700.00	.00	.00	12.40	181000.00	59.40	.00	60.21	2.21	8.05	91814.82121707.40	
* 67.350	3700.00	.00	.00	12.40	242000.00	60.04	.00	61.23	3.32	10.00	106525.60132895.60	
68.280	4900.00	.00	.00	9.40	101000.00	59.15	.00	59.76	1.22	6.47	40865.75 91304.95	
68.280	4900.00	.00	.00	9.40	157000.00	60.01	.00	61.25	2.53	9.45	51529.32 98776.33	
68.280	4900.00	.00	.00	9.40	181000.00	60.29	.00	61.51	2.70	9.82	82955.49110074.30	
68.280	4900.00	.00	.00	9.40	242000.00	61.37	.00	62.96	3.68	11.69	107595.50200907.00	
* 68.940	3500.00	.00	.00	9.90	101000.00	59.76	.00	60.02	.41	4.24	72155.29157874.30	
* 68.940	3500.00	.00	.00	9.90	157000.00	61.29	.00	61.76	.77	5.95	95659.51179481.00	
* 68.940	3500.00	.00	.00	9.90	181000.00	61.54	.00	62.05	.88	6.41	123159.40192989.20	
* 68.940	3500.00	.00	.00	9.90	242000.00	63.02	.00	63.68	1.17	7.57	155340.80223700.80	
69.640	3700.00	.00	.00	9.60	101000.00	59.86	.00	60.24	.64	5.08	41478.71126636.60	
69.640	3700.00	.00	.00	9.60	157000.00	61.47	.00	62.17	1.17	7.10	63842.62144872.30	
69.640	3700.00	.00	.00	9.60	181000.00	61.76	.00	62.51	1.32	7.58	95119.34157377.90	
69.640	3700.00	.00	.00	9.60	242000.00	63.34	.00	64.25	1.69	8.79	128130.40186332.80	

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SBCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
70.320	3700.00	.00	.00	16.40	101000.00	60.09	.00	60.52	.85	5.83	63414.26109367.50	
70.320	3700.00	.00	.00	16.40	157000.00	62.01	.00	62.63	1.32	7.51	90180.36136681.20	
70.320	3700.00	.00	.00	16.40	181000.00	62.32	.00	63.00	1.53	8.13	110098.40146196.00	
70.320	3700.00	.00	.00	16.40	242000.00	64.14	.00	64.86	1.74	8.92	148795.90183666.60	
71.230	4800.00	.00	.00	7.50	101000.00	60.62	.00	60.87	.47	4.26	51608.78147068.40	
71.230	4800.00	.00	.00	7.50	157000.00	62.74	.00	63.16	.79	5.75	70676.17176342.40	
71.230	4800.00	.00	.00	7.50	181000.00	63.22	.00	63.61	.79	5.79	118425.80203503.80	
71.230	4800.00	.00	.00	7.50	242000.00	65.13	.00	65.53	.89	6.34	162307.30256840.60	
71.250	100.00	.00	.00	7.50	101000.00	60.62	.00	60.88	.48	4.28	51668.04146473.30	
71.250	100.00	.00	.00	7.50	157000.00	62.74	.00	63.17	.80	5.78	70769.93175490.80	
71.250	100.00	.00	.00	7.50	181000.00	63.23	.00	63.61	.80	5.81	118675.40202986.40	
71.250	100.00	.00	.00	7.50	242000.00	65.13	.00	65.54	.90	6.39	162594.30254659.20	
71.260	50.00	56.50	66.30	7.50	101000.00	60.62	.00	60.88	.48	4.28	51635.94146429.30	
71.260	50.00	56.50	66.30	7.50	157000.00	62.77	.00	63.20	.80	5.77	70995.94175865.20	
71.260	50.00	56.50	66.30	7.50	181000.00	63.37	.00	63.74	.77	5.73	121800.70206259.80	

71.260	50.00	56.50	66.30	7.50	242000.00	65.17	.00	65.58	.89	6.37	163332.70255820.10
71.280	100.00	.00	.00	7.50	101000.00	60.63	.00	60.88	.48		
71.280	100.00	.00	.00	7.50	157000.00	62.78	.00	63.21	.80	4.28	51678.09146487.20
71.280	100.00	.00	.00	7.50	181000.00	63.38	.00	63.75	.77	5.73	121959.10206426.90
71.280	100.00	.00	.00	7.50	242000.00	65.18	.00	65.59	.89	6.37	163507.50256048.00
* 71.600	1700.00	.00	.00	7.90	101000.00	60.62	.00	61.11	1.04	5.95	38964.81 98958.78
* 71.600	1700.00	.00	.00	7.90	157000.00	62.80	.00	63.55	1.61	7.74	60642.43123571.60
* 71.600	1700.00	.00	.00	7.90	181000.00	63.30	.00	64.19	1.93	8.54	66153.34130382.30
* 71.600	1700.00	.00	.00	7.90	242000.00	65.06	.00	66.12	2.38	9.80	85378.94156924.50
72.440	4400.00	.00	.00	8.00	101000.00	61.25	.00	61.60	1.03	5.05	47214.25 99620.10
72.440	4400.00	.00	.00	8.00	157000.00	63.79	.00	64.22	1.31	7.74	60642.43123571.60
72.440	4400.00	.00	.00	8.00	181000.00	64.50	.00	64.97	1.43	6.47	92005.84151097.90
72.440	4400.00	.00	.00	8.00	242000.00	66.54	.00	67.01	1.52	6.97	121655.50196424.60
74.660	11700.00	.00	.00	14.50	101000.00	62.25	.00	62.63	.89	5.26	53834.16107350.70
74.660	11700.00	.00	.00	14.50	157000.00	64.97	.00	65.45	1.21	5.05	47214.25 99620.10
74.660	11700.00	.00	.00	14.50	181000.00	65.75	.00	66.28	1.33	6.88	108999.10157103.00
74.660	11700.00	.00	.00	14.50	242000.00	67.76	.00	68.31	1.47	7.53	145368.00199653.70
76.820	11400.00	.00	.00	13.00	101000.00	63.31	.00	63.63	1.05	4.83	47420.82 98596.44
76.820	11400.00	.00	.00	13.00	157000.00	66.19	.00	66.45	.98	5.05	47214.25 99620.10
76.820	11400.00	.00	.00	13.00	181000.00	67.03	.00	67.29	.99	5.20	114873.70181764.80
76.820	11400.00	.00	.00	13.00	242000.00	69.03	.00	69.27	.98	5.42	151914.70244661.90
77.250	2300.00	.00	.00	13.30	101000.00	63.57	.00	63.80	.55	4.14	43660.38136116.80
77.250	2300.00	.00	.00	13.30	157000.00	66.34	.00	66.64	.73	5.04	83530.95183700.00
77.250	2300.00	.00	.00	13.30	181000.00	67.19	.00	67.48	.75	5.20	107240.20208863.20
77.250	2300.00	.00	.00	13.30	242000.00	69.18	.00	69.46	.79	5.55	151384.10272151.30

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 79.770	13300.00	.00	.00	19.70	101000.00	64.68	.00	65.22	2.57	5.94	19224.30	63017.20
* 79.770	13300.00	.00	.00	19.70	157000.00	67.65	.00	68.39	3.06	7.19	35201.81	89680.11
* 79.770	13300.00	.00	.00	19.70	181000.00	68.47	.00	69.11	2.81	7.08	61764.26108062.90	
* 79.770	13300.00	.00	.00	19.70	242000.00	70.41	.00	70.96	2.53	7.15	104306.60152250.90	
80.450	3600.00	.00	.00	22.80	101000.00	65.42	.00	66.00	1.82	6.16	19762.37	74840.03
80.450	3600.00	.00	.00	22.80	157000.00	68.64	.00	69.48	2.82	7.68	37530.41	93500.73
80.450	3600.00	.00	.00	22.80	181000.00	69.40	.00	70.18	2.84	7.75	60028.43107317.10	
80.450	3600.00	.00	.00	22.80	242000.00	71.28	.00	72.05	3.15	8.26	92183.38136320.70	
81.870	7300.00	.00	.00	28.60	101000.00	66.63	.00	67.28	1.64	6.54	17930.37	78930.41
81.870	7300.00	.00	.00	28.60	157000.00	70.33	.00	71.41	2.34	8.56	29763.71102672.30	
81.870	7300.00	.00	.00	28.60	181000.00	71.06	.00	72.19	2.52	9.04	46772.52113933.50	
81.870	7300.00	.00	.00	28.60	242000.00	73.05	.00	74.35	2.95	10.20	71592.78140860.00	
* 83.180	7000.00	.00	.00	24.60	101000.00	67.75	.00	68.08	.81	4.84	28600.81112218.00	
* 83.180	7000.00	.00	.00	24.60	157000.00	72.01	.00	72.49	1.05	6.07	48834.60152869.30	
* 83.180	7000.00	.00	.00	24.60	181000.00	72.84	.00	73.35	1.13	6.41	71386.00169915.40	
* 83.180	7000.00	.00	.00	24.60	242000.00	75.09	.00	75.64	1.26	7.06	108733.90215522.90	
* 83.810	3370.00	.00	.00	34.20	101000.00	67.92	.00	68.61	2.29	6.99	23307.81	66689.88
* 83.810	3370.00	.00	.00	34.20	157000.00	72.23	.00	73.12	2.54	8.30	41654.61	98445.86
* 83.810	3370.00	.00	.00	34.20	181000.00	73.14	.00	73.95	2.45	8.34	68740.94115647.20	
* 83.810	3370.00	.00	.00	34.20	242000.00	75.53	.00	76.18	2.16	8.28	111234.30164754.30	
84.150	1700.00	.00	.00	28.40	101000.00	68.36	.00	68.94	1.59	6.14	16450.71	80054.75
84.150	1700.00	.00	.00	28.40	157000.00	72.69	.00	73.59	2.74	7.71	26461.76	94782.58
84.150	1700.00	.00	.00	28.40	181000.00	73.83	.00	74.40	2.15	6.79	73312.70123466.30	
84.150	1700.00	.00	.00	28.40	242000.00	76.27	.00	76.59	1.83	5.94	125744.50179003.40	
84.170	100.00	.00	.00	28.40	101000.00	68.38	.00	68.96	1.59	6.13	16464.16	80093.68
84.170	100.00	.00	.00	28.40	157000.00	72.71	.00	73.61	2.74	7.70	26297.74	94860.26
84.170	100.00	.00	.00	28.40	181000.00	73.85	.00	74.42	2.15	6.79	72802.22123564.60	
84.170	100.00	.00	.00	28.40	242000.00	76.29	.00	76.62	1.85	5.98	122893.60177795.10	
84.190	100.00	91.30	85.10	28.40	101000.00	68.41	.00	69.00	1.59	6.13	16487.49	80161.47
84.190	100.00	91.30	85.10	28.40	157000.00	72.77	.00	73.66	2.72	7.67	26618.59	95202.61
84.190	100.00	91.30	85.10	28.40	181000.00	73.88	.00	74.44	2.13	6.75	73413.13124149.90	
84.190	100.00	91.30	85.10	28.40	242000.00	76.30	.00	76.63	1.85	5.97	123108.80178127.70	
84.210	100.00	.00	.00	28.40	101000.00	68.43	.00	69.01	1.59	6.12	16498.64	80193.55
84.210	100.00	.00	.00	28.40	157000.00	72.80	.00	73.69	2.71	7.65	27116.80	95448.02
84.210	100.00	.00	.00	28.40	181000.00	73.92	.00	74.46	2.10	6.72	74805.09124868.70	
84.210	100.00	.00	.00	28.40	242000.00	76.33	.00	76.65	1.79	5.89	126892.90180747.20	
85.100	4850.00	.00	.00	24.10	101000.00	69.29	.00	69.72	1.28	5.25	19248.43	89222.84
85.100	4850.00	.00	.00	24.10	157000.00	74.03	.00	74.72	1.66	6.67	26771.37122000.70	
85.100	4850.00	.00	.00	24.10	181000.00	74.69	.00	75.35	1.68	6.82	58544.00139761.50	
85.100	4850.00	.00	.00	24.10	242000.00	76.88	.00	77.45	1.60	7.00	112083.30191554.20	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	86.910	9520.00	.00	.00	29.70 101000.00	70.23	.00	70.48	.56	4.38	41927.25134826.20	
*	86.910	9520.00	.00	.00	29.70 157000.00	75.32	.00	75.63	.65	5.14	63871.03195132.40	
*	86.910	9520.00	.00	.00	29.70 181000.00	75.96	.00	76.28	.71	5.45	89488.86214352.50	
	86.910	9520.00	.00	.00	29.70 242000.00	78.02	.00	78.38	.82	6.06	130911.20266590.60	
*	87.610	3700.00	.00	.00	35.40 101000.00	70.30	.00	70.88	1.29	6.23	24081.92 89026.37	
*	87.610	3700.00	.00	.00	35.40 157000.00	75.37	.00	76.10	1.49	7.37	41859.90128559.10	
*	87.610	3700.00	.00	.00	35.40 181000.00	76.04	.00	76.76	1.56	7.63	66823.03144988.10	
	87.610	3700.00	.00	.00	35.40 242000.00	78.21	.00	78.85	1.54	7.92	109305.70194889.40	
	88.300	3600.00	.00	.00	37.10 101000.00	70.86	.00	71.41	2.16	7.02	38619.11 68683.95	
	88.300	3600.00	.00	.00	37.10 157000.00	76.16	.00	76.61	1.67	6.99	64357.73121367.90	
	88.300	3600.00	.00	.00	37.10 181000.00	76.82	.00	77.30	1.85	7.46	80084.67133125.30	
	88.300	3600.00	.00	.00	37.10 242000.00	78.92	.00	79.36	1.82	7.75	120658.40179504.30	
	89.550	6600.00	.00	.00	27.40 101000.00	71.91	.00	72.38	1.12	5.62	22069.37 95534.48	
	89.550	6600.00	.00	.00	27.40 157000.00	76.95	.00	77.59	1.38	6.84	34250.58133592.30	
	89.550	6600.00	.00	.00	27.40 181000.00	77.67	.00	78.45	1.66	7.59	37334.39140389.90	
	89.550	6600.00	.00	.00	27.40 242000.00	79.68	.00	80.69	2.12	8.91	54277.98166128.30	
	90.190	3400.00	.00	.00	37.60 101000.00	72.25	.00	72.76	1.03	5.76	19809.58 99344.98	
	90.190	3400.00	.00	.00	37.60 157000.00	77.30	.00	78.14	1.41	7.48	27559.45132045.40	
	90.190	3400.00	.00	.00	37.60 181000.00	78.09	.00	79.08	1.66	8.22	34394.90140621.00	
	90.190	3400.00	.00	.00	37.60 242000.00	80.16	.00	81.57	2.27	9.99	45316.51160617.50	
*	91.520	7000.00	.00	.00	33.40 101000.00	73.14	.00	74.09	2.79	7.79	12964.22 60490.70	
*	91.520	7000.00	.00	.00	33.40 157000.00	78.52	.00	79.95	3.79	9.59	16848.36 80602.32	
*	91.520	7000.00	.00	.00	33.40 181000.00	79.49	.00	81.12	4.24	10.38	22897.39 87890.08	
*	91.520	7000.00	.00	.00	33.40 242000.00	82.02	66.37	84.00	4.90	11.81	40539.47109323.30	
	92.130	3200.00	.00	.00	25.80 101000.00	74.18	.00	74.95	2.33	7.07	14291.88 66113.73	
	92.130	3200.00	.00	.00	25.80 157000.00	79.96	.00	81.10	2.98	8.57	18395.58 90881.10	
	92.130	3200.00	.00	.00	25.80 181000.00	81.12	.00	82.41	3.27	9.22	26241.66100086.70	
	92.130	3200.00	.00	.00	25.80 242000.00	84.08	.00	85.44	3.34	9.95	57635.95132471.10	
	92.150	100.00	.00	.00	25.80 101000.00	74.20	.00	74.98	2.33	7.06	14308.01 66205.65	
	92.150	100.00	.00	.00	25.80 157000.00	80.00	.00	81.13	2.97	8.56	18422.27 91061.50	
	92.150	100.00	.00	.00	25.80 181000.00	81.16	.00	82.44	3.25	9.20	26531.46100407.70	
	92.150	100.00	.00	.00	25.80 242000.00	84.13	.00	85.47	3.31	9.92	58152.38133056.30	
	92.170	48.00	96.00	92.10	25.80 101000.00	74.27	.00	75.04	2.31	7.04	14351.15 66451.76	
	92.170	48.00	96.00	92.10	25.80 157000.00	80.09	.00	81.22	2.94	8.52	18507.29 91635.54	
	92.170	48.00	96.00	92.10	25.80 181000.00	81.27	.00	82.53	3.19	9.14	27372.59101320.60	
	92.170	48.00	96.00	92.10	25.80 242000.00	84.24	.00	85.55	3.23	9.82	59627.52134740.50	
	92.190	100.00	.00	.00	25.80 101000.00	74.29	.00	75.06	2.30	7.03	14366.07 66536.91	
	92.190	100.00	.00	.00	25.80 157000.00	80.13	.00	81.25	2.92	8.51	18533.50 91812.23	
	92.190	100.00	.00	.00	25.80 181000.00	82.31	.00	82.57	3.17	9.12	27616.34101582.80	
	92.190	100.00	.00	.00	25.80 242000.00	84.29	.00	85.59	3.20	9.79	60109.27135296.00	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
92.270	400.00	.00	.00	25.00 101000.00	74.37	.00	75.15	2.02	7.10	14234.84 71144.47		
92.270	400.00	.00	.00	25.00 157000.00	80.19	.00	81.41	2.64	8.89	17662.02 96711.46		
92.270	400.00	.00	.00	25.00 181000.00	81.32	.00	82.81	3.14	9.82	21207.80102074.00		
92.270	400.00	.00	.00	25.00 242000.00	84.27	.00	85.89	3.99	10.73	52467.88121161.80		
92.290	100.00	.00	.00	25.00 101000.00	74.39	.00	75.18	2.01	7.09	14243.27 71204.76		
92.290	100.00	.00	.00	25.00 157000.00	80.22	.00	81.44	2.63	8.88	17679.07 96843.69		
92.290	100.00	.00	.00	25.00 181000.00	81.34	.00	82.85	3.16	9.85	18380.92101782.90		
92.290	100.00	.00	.00	25.00 242000.00	84.35	.00	85.93	3.92	10.66	53444.77122197.60		
92.300	20.00	93.30	90.00	25.00 101000.00	74.46	.00	75.24	2.00	7.07	14280.19 71468.88		
92.300	20.00	93.30	90.00	25.00 157000.00	80.32	.00	81.53	2.60	8.85	17742.78 97338.24		
92.300	20.00	93.30	90.00	25.00 181000.00	81.47	.00	82.97	3.13	9.81	18459.04102246.20		
92.300	20.00	93.30	90.00	25.00 242000.00	84.48	.00	86.02	3.81	10.54	55155.37124035.50		
92.320	100.00	.00	.00	25.00 101000.00	74.48	.00	75.26	1.99	7.07	14291.56 71550.35		
92.320	100.00	.00	.00	25.00 157000.00	80.35	.00	81.56	2.59	8.84	17758.84 97463.00		
92.320	100.00	.00	.00	25.00 181000.00	81.55	.00	83.01	3.08	9.72	22619.13103195.80		
92.320	100.00	.00	.00	25.00 242000.00	84.55	.00	86.06	3.75	10.47	56067.50125027.80		
92.900	3060.00	.00	.00	38.60 101000.00	75.07	.00	75.77	1.41	6.72	15266.08 84995.95		
92.900	3060.00	.00	.00	38.60 157000.00	81.13	.00	82.24	1.86	8.54	21120.95115185.20		
92.900	3060.00	.00	.00	38.60 181000.00	82.47	.00	83.80	2.16	9.39	23287.65123198.00		
92.900	3060.00	.00	.00	38.60 242000.00	85.44	.00	86.99	2.49	10.59	46954.61153231.60		
94.340	7600.00	.00	.00	37.10 101000.00	76.15	.00	76.98	1.68	7.28	13884.43 78006.37		
94.340	7600.00	.00	.00	37.10 157000.00	82.55	.00	83.87	2.32	9.23	17266.51103011.40		
94.340	7600.00	.00	.00	37.10 181000.00	84.13	.00	85.65	2.63	9.99	22183.40111621.30		
94.340	7600.00	.00	.00	37.10 242000.00	87.29	64.86	89.06	3.00	11.23	54657.05139747.20		

94.980	3400.00	.00	.00	29.40	101000.00	76.69	.00	77.53	1.55	7.37	14815.02	81222.92
94.980	3400.00	.00	.00	29.40	157000.00	83.27	.00	84.62	2.03	9.41	20595.64110257.00	
94.980	3400.00	.00	.00	29.40	181000.00	84.97	.00	86.48	2.24	10.12	31241.42121012.90	
94.980	3400.00	.00	.00	29.40	242000.00	88.68	.00	90.01	2.12	10.34	80561.10166281.20	
95.610	3300.00	.00	.00	35.10	101000.00	77.50	.00	78.01	1.17	5.70	18308.51	93235.15
95.610	3300.00	.00	.00	35.10	157000.00	84.49	.00	85.21	1.28	6.85	29874.12138740.30	
95.610	3300.00	.00	.00	35.10	181000.00	86.32	.00	87.13	1.39	7.36	36995.10153675.80	
95.610	3300.00	.00	.00	35.10	242000.00	89.64	.00	90.65	1.63	8.48	65710.65189329.20	
96.930	7000.00	.00	.00	28.30	101000.00	78.17	.00	78.67	.79	5.71	17703.13113643.30	
96.930	7000.00	.00	.00	28.30	157000.00	85.24	.00	86.09	1.14	7.40	21213.93147151.40	
96.930	7000.00	.00	.00	28.30	181000.00	87.13	.00	88.10	1.27	7.99	28320.55160877.90	
96.930	7000.00	.00	.00	28.30	242000.00	90.55	.00	91.84	1.60	9.45	49583.68191242.90	
* 99.560	13900.00	.00	.00	34.90	101000.00	79.53	.00	80.55	2.22	8.11	12460.00	67780.42
* 99.560	13900.00	.00	.00	34.90	157000.00	87.12	.00	88.54	2.57	9.65	20107.98	97948.95
99.560	13900.00	.00	.00	34.90	181000.00	89.19	.00	90.59	2.48	9.87	33804.71114904.70	
99.560	13900.00	.00	.00	34.90	242000.00	93.25	.00	93.96	1.54	8.37	108075.50194798.40	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
* 100.070	2500.00	.00	.00	26.80	101000.00	80.56	.00	81.03	1.31	5.48	18420.88	88218.50
* 100.070	2500.00	.00	.00	26.80	157000.00	88.60	.00	89.08	1.29	5.73	48008.37138314.20	
* 100.070	2500.00	.00	.00	26.80	181000.00	90.67	.00	91.10	1.13	5.62	72305.40169983.10	
100.070	2500.00	.00	.00	26.80	242000.00	93.94	.00	94.33	1.02	5.74	118612.70240056.30	
100.080	100.00	.00	.00	26.80	101000.00	80.57	.00	81.04	1.31	5.48	18434.48	88278.92
100.080	100.00	.00	.00	26.80	157000.00	88.61	.00	89.09	1.28	5.72	48203.88138557.10	
100.080	100.00	.00	.00	26.80	181000.00	90.69	.00	91.11	1.13	5.62	72472.34170224.90	
100.080	100.00	.00	.00	26.80	242000.00	93.96	.00	94.34	1.01	5.74	118813.60240377.30	
100.090	30.00	104.00	101.70	26.80	101000.00	80.60	.00	81.06	1.31	5.47	18449.04	88343.63
100.090	30.00	104.00	101.70	26.80	157000.00	88.63	.00	89.11	1.28	5.71	48372.59138766.90	
100.090	30.00	104.00	101.70	26.80	181000.00	90.70	.00	91.13	1.13	5.61	72628.09170450.70	
100.090	30.00	104.00	101.70	26.80	242000.00	93.97	.00	94.35	1.01	5.73	119039.10240737.80	
100.100	100.00	.00	.00	26.80	101000.00	80.61	.00	81.07	1.31	5.47	18459.35	88389.51
100.100	100.00	.00	.00	26.80	157000.00	88.64	.00	89.12	1.28	5.71	48504.78138931.50	
100.100	100.00	.00	.00	26.80	181000.00	90.72	.00	91.14	1.12	5.60	72767.87170653.50	
100.100	100.00	.00	.00	26.80	242000.00	93.98	.00	94.36	1.01	5.73	119201.90240998.50	
102.100	10700.00	.00	.00	39.70	101000.00	81.75	.00	82.34	1.01	6.17	16380.05100393.20	
102.100	10700.00	.00	.00	39.70	157000.00	89.69	.00	90.63	1.30	7.81	21943.48137774.50	
102.100	10700.00	.00	.00	39.70	181000.00	91.60	.00	92.64	1.41	8.35	34852.98152451.40	
102.100	10700.00	.00	.00	39.70	242000.00	94.71	.00	95.88	1.61	9.35	67573.00190436.10	
105.500	17800.00	.00	.00	48.00	101000.00	84.00	.00	84.39	1.29	4.99	20243.43	88818.53
105.500	17800.00	.00	.00	48.00	157000.00	92.27	.00	92.64	.95	5.02	50633.05160709.50	
105.500	17800.00	.00	.00	48.00	181000.00	94.22	.00	94.54	.81	4.86	76163.67200891.90	
* 105.500	17800.00	.00	.00	48.00	242000.00	97.40	.00	97.65	.68	4.78	124464.60293743.60	
109.900	23100.00	.00	.00	46.00	101000.00	86.31	.00	86.70	.80	5.06	23403.67112833.80	
109.900	23100.00	.00	.00	46.00	157000.00	94.19	.00	94.71	.83	5.92	40608.82172314.80	
109.900	23100.00	.00	.00	46.00	181000.00	95.99	.00	96.59	.93	6.43	44716.64187932.60	
109.900	23100.00	.00	.00	46.00	242000.00	98.99	.00	99.87	1.26	7.82	51758.88215745.60	
110.900	5300.00	.00	.00	49.00	101000.00	86.82	.00	87.10	.68	4.29	23944.50122468.40	
110.900	5300.00	.00	.00	49.00	157000.00	94.74	.00	95.13	.70	5.01	32928.51187602.30	
110.900	5300.00	.00	.00	49.00	181000.00	96.60	.00	97.05	.78	5.43	35711.09205152.90	
110.900	5300.00	.00	.00	49.00	242000.00	99.85	.00	100.49	1.02	6.51	43917.10239788.00	
* 111.900	5500.00	.00	.00	52.50	101000.00	87.08	.00	87.81	1.79	6.83	14782.48	75592.06
* 111.900	5500.00	.00	.00	52.50	157000.00	94.90	.00	95.91	1.93	8.06	19490.50113091.70	
* 111.900	5500.00	.00	.00	52.50	181000.00	96.75	.00	97.94	2.13	8.76	20957.63123947.40	
* 111.900	5500.00	.00	.00	52.50	242000.00	99.94	.00	101.69	2.81	10.63	25120.64144250.20	
112.900	5300.00	.00	.00	53.80	101000.00	88.05	.00	88.75	1.77	6.70	15069.95	76020.32
112.900	5300.00	.00	.00	53.80	157000.00	95.97	.00	96.92	1.87	7.83	20086.38114940.50	
112.900	5300.00	.00	.00	53.80	181000.00	98.02	.00	99.03	1.94	8.21	29322.24129954.50	
112.900	5300.00	.00	.00	53.80	242000.00	101.90	.00	103.00	2.04	8.94	57332.54169395.50	

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
114.000	5500.00	.00	.00	55.00	101000.00	89.22	.00	89.77	1.89	5.95	16985.22	73522.05
114.000	5500.00	.00	.00	55.00	157000.00	97.22	.00	97.86	1.48	6.46	25953.26128973.20	
114.000	5500.00	.00	.00	55.00	181000.00	99.28	.00	100.01	1.53	6.88	28690.33146232.50	
114.000	5500.00	.00	.00	55.00	242000.00	103.18	.00	104.01	1.58	7.58	50917.54192628.90	
117.800	20300.00	.00	.00	50.00	101000.00	92.21	.00	92.62	1.08	5.15	19788.33	97296.35
117.800	20300.00	.00	.00	50.00	157000.00	99.90	.00	100.44	1.10	5.94	29630.35149978.80	
117.800	20300.00	.00	.00	50.00	181000.00	102.09	.00	102.71	1.16	6.34	32827.45167982.20	

117.800	20300.00	.00	.00	50.00	242000.00	106.17	.00	106.97	1.36	7.30	50657.29207654.60	
118.800	5400.00	.00	.00	54.00	101000.00	92.87	.00	93.37	1.69	5.66	19605.65 77806.57	
118.800	5400.00	.00	.00	54.00	157000.00	100.58	.00	101.08	1.28	5.87	45154.23139002.00	
118.800	5400.00	.00	.00	54.00	181000.00	102.84	.00	103.36	1.24	6.04	56394.73162512.00	
118.800	5400.00	.00	.00	54.00	242000.00	107.11	.00	107.68	1.25	6.60	80733.84216326.50	
123.100	22600.00	.00	.00	62.50	101000.00	97.37	.00	98.42	2.89	8.31	16070.37 59452.09	
123.100	22600.00	.00	.00	62.50	157000.00	103.90	.00	104.81	2.16	8.44	64145.45106851.90	
123.100	22600.00	.00	.00	62.50	181000.00	105.94	.00	106.69	1.82	8.10	94160.99134108.30	
123.100	22600.00	.00	.00	62.50	242000.00	109.94	.00	110.40	1.27	7.31	163420.30214727.50	
*	123.800	3700.00	.00	.00	62.00	101000.00	98.78	.00	99.16	1.26	5.08	27109.68 89974.45
*	123.800	3700.00	.00	.00	62.00	157000.00	105.05	.00	105.27	.70	4.48	81238.94187341.40
*	123.800	3700.00	.00	.00	62.00	181000.00	106.88	.00	107.06	.59	4.30	107067.20235384.30
*	123.800	3700.00	.00	.00	62.00	242000.00	110.51	.00	110.65	.46	4.08	165939.20358313.30
124.800	5000.00	.00	.00	61.00	101000.00	99.34	.00	100.12	2.51	7.31	21238.44 63732.80	
124.800	5000.00	.00	.00	61.00	157000.00	105.33	.00	105.73	1.33	6.21	73338.84136336.70	
124.800	5000.00	.00	.00	61.00	181000.00	107.10	.00	107.44	1.14	6.01	99105.36169292.00	
124.800	5000.00	.00	.00	61.00	242000.00	110.67	.00	110.93	.91	5.79	157152.30214727.50	
*	126.800	10900.00	.00	.00	54.00	101000.00	101.55	.00	101.83	1.02	4.32	26706.90100097.20
126.800	10900.00	.00	.00	54.00	157000.00	106.67	.00	107.04	1.14	5.08	39079.57147128.60	
126.800	10900.00	.00	.00	54.00	181000.00	108.26	.00	108.67	1.16	5.36	46903.15167916.80	
126.800	10900.00	.00	.00	54.00	242000.00	111.57	.00	112.03	1.18	5.89	69637.0822362.40	
127.600	4000.00	.00	.00	58.00	101000.00	101.85	.00	102.27	.86	5.20	19405.02109211.10	
127.600	4000.00	.00	.00	58.00	157000.00	107.16	.00	107.81	2.27	6.49	24727.95104171.40	
127.600	4000.00	.00	.00	58.00	181000.00	108.75	.00	109.46	2.34	6.80	31525.80118244.60	
127.600	4000.00	.00	.00	58.00	242000.00	112.08	.00	112.76	2.14	7.04	55007.93165354.10	
127.610	100.00	.00	.00	58.00	101000.00	101.86	.00	102.28	.85	5.20	19411.06109259.40	
127.610	100.00	.00	.00	58.00	157000.00	107.18	.00	107.83	2.26	6.48	24770.20104349.60	
127.610	100.00	.00	.00	58.00	181000.00	108.78	.00	109.48	2.34	6.79	31627.84118424.50	
127.610	100.00	.00	.00	58.00	242000.00	112.10	.00	112.78	2.13	7.03	55130.50165653.60	
127.620	28.00	125.00	122.50	58.00	101000.00	101.89	.00	102.31	.85	5.20	19428.01109395.00	
127.620	28.00	125.00	122.50	58.00	157000.00	107.22	.00	107.87	2.25	6.46	24863.04104735.80	
127.620	28.00	125.00	122.50	58.00	181000.00	108.82	.00	109.52	2.31	6.77	31947.45118987.20	
127.620	28.00	125.00	122.50	58.00	242000.00	112.14	.00	112.82	2.11	7.00	55506.85166575.70	

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SECNO	KLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
127.630	100.00	.00	.00	58.00	101000.00	101.90	.00	102.31	.85	5.20	19433.53109439.30	
127.630	100.00	.00	.00	58.00	157000.00	107.25	.00	107.89	2.24	6.45	24907.29104909.50	
127.630	100.00	.00	.00	58.00	181000.00	108.85	.00	109.55	2.30	6.76	32084.88119228.80	
127.630	100.00	.00	.00	58.00	242000.00	112.17	.00	112.84	2.10	6.99	55663.42166960.50	
127.900	1100.00	.00	.00	52.00	101000.00	102.01	.00	102.44	1.36	5.26	19323.89 86550.90	
127.900	1100.00	.00	.00	52.00	157000.00	107.53	.00	108.11	1.45	6.20	35237.45130420.50	
127.900	1100.00	.00	.00	52.00	181000.00	109.17	.00	109.77	1.44	6.45	46422.30150629.00	
127.900	1100.00	.00	.00	52.00	242000.00	112.42	.00	113.04	1.43	6.91	71991.35202610.70	
129.900	10600.00	.00	.00	57.60	101000.00	103.65	.00	104.15	1.84	6.33	38068.60 74453.52	
*	129.900	10600.00	.00	.00	57.60	157000.00	109.08	.00	109.22	.72	4.46	109892.80185462.20
*	129.900	10600.00	.00	.00	57.60	181000.00	110.63	.00	110.74	.57	4.11	148223.50240769.80
*	129.900	10600.00	.00	.00	57.60	242000.00	113.72	.00	113.79	.38	3.62	229206.60392069.30
*	130.700	4200.00	.00	.00	59.80	101000.00	104.55	.00	104.74	.85	4.07	59292.05109273.60
130.700	4200.00	.00	.00	59.80	157000.00	109.42	.00	109.49	.39	3.14	153356.20252713.40	
130.700	4200.00	.00	.00	59.80	181000.00	110.89	.00	110.95	.31	2.91	202727.60326455.20	
130.700	4200.00	.00	.00	59.80	242000.00	113.89	.00	113.92	.21	2.61	304892.60523692.40	
132.200	7400.00	.00	.00	63.00	101000.00	105.13	.00	105.33	.68	4.18	37855.20122905.80	
132.200	7400.00	.00	.00	63.00	157000.00	109.74	.00	109.98	.72	4.83	73038.89185102.40	
*	132.200	7400.00	.00	.00	63.00	181000.00	111.15	.00	111.37	.67	4.80	100564.90221363.00
*	132.200	7400.00	.00	.00	63.00	242000.00	114.07	.00	114.23	.56	4.65	157781.10324467.30
133.900	9000.00	.00	.00	68.00	101000.00	105.73	.00	106.02	.87	4.45	30986.90108463.30	
133.900	9000.00	.00	.00	68.00	157000.00	110.32	.00	110.53	.63	4.27	95087.37198303.20	
133.900	9000.00	.00	.00	68.00	181000.00	111.68	.00	111.85	.55	4.14	124091.10243434.90	
133.900	9000.00	.00	.00	68.00	242000.00	114.49	.00	114.61	.44	3.94	186947.10363687.40	
134.970	5809.00	.00	.00	69.65	101000.00	106.13	.00	106.73	1.34	6.22	17438.02 87264.71	
*	134.970	5809.00	.00	.00	69.65	157000.00	110.36	.00	111.36	1.95	8.19	24375.28112486.30
*	134.970	5809.00	.00	.00	69.65	181000.00	111.60	.00	112.69	2.11	8.73	34113.72124561.80
*	134.970	5809.00	.00	.00	69.65	242000.00	114.30	.00	115.39	2.17	9.34	58618.69164135.60
137.100	11360.00	.00	.00	73.50	101000.00	107.99	.00	108.73	2.39	7.03	19105.52 65303.29	
137.100	11360.00	.00	.00	73.50	157000.00	112.78	.00	113.41	1.92	7.21	55130.61113408.10	
137.100	11360.00	.00	.00	73.50	181000.00	114.11	.00	114.67	1.75	7.12	72475.79136857.90	
137.100	11360.00	.00	.00	73.50	242000.00	116.66	.00	117.11	1.53	7.06	108437.40195703.00	
138.000	4800.00	.00	.00	68.00	101000.00	109.10	.00	110.01	2.82	7.74	14903.02 60191.45	
138.000	4800.00	.00	.00	68.00	157000.00	113.64	.00	114.31	2.13	7.56	54029.53107593.10	

138.000	4800.00	.00	.00	68.00	181000.00	114.88	.00	115.45	1.90	7.36	71614.42131397.80
138.000	4800.00	.00	.00	68.00	242000.00	117.32	.00	117.73	1.53	6.99	108983.20195809.20
139.000	5200.00	.00	.00	62.50	101000.00	110.60	.00	111.30	2.13	6.75	15473.01 69251.27
139.000	5200.00	.00	.00	62.50	157000.00	114.62	.00	115.62	2.69	8.30	30186.57 95743.00
139.000	5200.00	.00	.00	62.50	181000.00	115.71	.00	116.70	2.70	8.54	44957.60110099.40
139.000	5200.00	.00	.00	62.50	242000.00	117.95	.00	118.74	2.39	8.48	79110.05156604.80

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BRAZOS RIVER FLOODWAY
SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.530	101000.00	58.47	.00	.00	.00	26899.00	.00
64.530	157000.00	58.47	.00	.00	.00	26899.00	.00
64.530	181000.00	58.47	.00	.00	.00	29306.75	.00
64.530	242000.00	58.47	.00	.00	.00	29306.75	.00
65.170	101000.00	58.56	.00	.09	.00	24668.85	3400.00
65.170	157000.00	58.69	.13	.22	.13	24675.05	3400.00
65.170	181000.00	58.74	.05	.27	.00	24677.10	3400.00
65.170	242000.00	58.97	.23	.50	.00	24687.88	3400.00
66.650	101000.00	58.71	.00	.15	.00	19445.92	7800.00
66.650	157000.00	59.04	.33	.35	.33	19509.89	7800.00
66.650	181000.00	59.20	.16	.46	.00	19520.44	7800.00
66.650	242000.00	59.73	.53	.75	.00	19555.63	7800.00
* 67.350	101000.00	58.75	.00	.04	.00	14802.94	3700.00
* 67.350	157000.00	59.13	.38	.09	.38	14812.36	3700.00
* 67.350	181000.00	59.40	.27	.20	.00	22022.23	3700.00
* 67.350	242000.00	60.04	.64	.32	.00	23362.37	3700.00
68.280	101000.00	59.15	.00	.40	.00	11737.27	4900.00
68.280	157000.00	60.01	.86	.88	.86	13403.19	4900.00
68.280	181000.00	60.29	.28	.89	.00	22657.95	4900.00
68.280	242000.00	61.37	1.08	1.32	.00	22911.59	4900.00
* 68.940	101000.00	59.76	.00	.61	.00	15357.29	3500.00
* 68.940	157000.00	61.29	1.53	1.28	1.53	15357.40	3500.00
* 68.940	181000.00	61.54	.25	1.26	.00	21699.76	3500.00
* 68.940	242000.00	63.02	1.48	1.66	.00	21762.06	3500.00
69.640	101000.00	59.86	.00	.09	.00	13503.00	3700.00
69.640	157000.00	61.47	1.61	.17	1.61	13897.43	3700.00
69.640	181000.00	61.76	.29	.22	.00	20764.15	3700.00
69.640	242000.00	63.34	1.58	.31	.00	21076.07	3700.00
70.320	101000.00	60.09	.00	.24	.00	13981.10	3700.00
70.320	157000.00	62.01	1.91	.54	1.91	13994.46	3700.00
70.320	181000.00	62.32	.31	.55	.00	20424.07	3700.00
70.320	242000.00	64.14	1.83	.81	.00	21430.96	3700.00
71.230	101000.00	60.62	.00	.52	.00	9000.00	4800.00
71.230	157000.00	62.74	2.12	.73	2.12	9000.00	4800.00
71.230	181000.00	63.22	.49	.91	.00	22825.49	4800.00
71.230	242000.00	65.13	1.91	.99	.00	23050.96	4800.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.250	101000.00	60.62	.00	.00	.00	9000.00	100.00
71.250	157000.00	62.74	2.12	.00	2.12	9000.00	100.00
71.250	181000.00	63.23	.49	.01	.00	22835.03	100.00
71.250	242000.00	65.13	1.91	.00	.00	23051.68	100.00
71.260	101000.00	60.62	.00	.00	.00	9000.00	50.00
71.260	157000.00	62.77	2.15	.03	2.15	9000.00	50.00
71.260	181000.00	63.37	.60	.14	.00	22954.18	50.00
71.260	242000.00	65.17	1.80	.04	.00	23053.51	50.00
71.280	101000.00	60.63	.00	.01	.00	9000.00	100.00
71.280	157000.00	62.78	2.15	.01	2.15	9000.00	100.00
71.280	181000.00	63.38	.60	.01	.00	22960.20	100.00
71.280	242000.00	65.18	1.81	.01	.00	23053.95	100.00
* 71.600	101000.00	60.62	.00	-.01	.00	8952.78	1700.00
* 71.600	157000.00	62.80	2.18	.02	2.18	10895.62	1700.00
* 71.600	181000.00	63.30	.51	-.08	.00	10899.15	1700.00
* 71.600	242000.00	65.06	1.76	-.12	.00	10911.48	1700.00

72.440	101000.00	61.25	.00	.63	.00	12102.64	4400.00
72.440	157000.00	63.79	2.54	1.00	2.54	14618.79	4400.00
72.440	181000.00	64.50	.71	1.20	.00	14630.41	4400.00
72.440	242000.00	66.54	2.03	1.47	.00	14663.28	4400.00
74.660	101000.00	62.25	.00	1.00	.00	12163.59	11700.00
74.660	157000.00	64.97	2.72	1.17	2.72	17792.80	11700.00
74.660	181000.00	65.75	.78	1.25	.00	17964.85	11700.00
74.660	242000.00	67.76	2.01	1.22	.00	18205.69	11700.00
76.820	101000.00	63.31	.00	1.06	.00	15222.91	11400.00
76.820	157000.00	66.19	2.88	1.22	2.88	18382.32	11400.00
76.820	181000.00	67.03	.84	1.28	.00	18470.37	11400.00
76.820	242000.00	69.03	2.00	1.27	.00	18608.69	11400.00
77.250	101000.00	63.57	.00	.26	.00	10004.77	2300.00
77.250	157000.00	66.34	2.77	.15	2.77	17050.32	2300.00
77.250	181000.00	67.19	.85	.16	.00	22176.00	2300.00
77.250	242000.00	69.18	1.99	.15	.00	22176.00	2300.00
* 79.770	101000.00	64.68	.00	1.11	.00	3114.78	13300.00
* 79.770	157000.00	67.65	2.98	1.31	2.98	8983.77	13300.00
* 79.770	181000.00	68.47	.82	1.29	.00	20659.37	13300.00
* 79.770	242000.00	70.41	1.94	1.24	.00	22247.00	13300.00
80.450	101000.00	65.42	.00	.75	.00	1803.10	3600.00
80.450	157000.00	68.64	3.22	.99	3.22	8293.83	3600.00
80.450	181000.00	69.40	.76	.93	.00	15160.62	3600.00
80.450	242000.00	71.28	1.88	.87	.00	17916.07	3600.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
81.870	101000.00	66.63	.00	1.20	.00	1817.70	7300.00
81.870	157000.00	70.33	3.70	1.69	3.70	5388.15	7300.00
81.870	181000.00	71.06	.73	1.66	.00	10536.90	7300.00
81.870	242000.00	73.05	1.99	1.77	.00	13428.57	7300.00
* 83.180	101000.00	67.75	.00	1.12	.00	1901.74	7000.00
* 83.180	157000.00	72.01	4.26	1.68	4.26	10308.47	7000.00
* 83.180	181000.00	72.84	.83	1.78	.00	15944.80	7000.00
* 83.180	242000.00	75.09	2.26	2.04	.00	16993.33	7000.00
* 83.810	101000.00	67.92	.00	.17	.00	1930.84	3370.00
* 83.810	157000.00	72.23	4.31	.23	4.31	7313.06	3370.00
* 83.810	181000.00	73.14	.91	.31	.00	16985.58	3370.00
83.810	242000.00	75.53	2.39	.44	.00	18507.21	3370.00
84.150	101000.00	68.36	.00	.44	.00	692.80	1700.00
84.150	157000.00	72.69	4.33	.45	4.33	5690.81	1700.00
84.150	181000.00	73.83	1.15	.69	.00	20915.73	1700.00
84.150	242000.00	76.27	2.44	.74	.00	21861.90	1700.00
84.170	101000.00	68.38	.00	.02	.00	693.72	100.00
84.170	157000.00	72.71	4.34	.03	4.34	5367.54	100.00
84.170	181000.00	73.85	1.14	.02	.00	20232.83	100.00
84.170	242000.00	76.29	2.43	.01	.00	20863.20	100.00
84.190	101000.00	68.41	.00	.04	.00	698.84	100.00
84.190	157000.00	72.77	4.36	.06	4.36	5464.37	100.00
84.190	181000.00	73.88	1.11	.03	.00	20238.24	100.00
84.190	242000.00	76.30	2.42	.02	.00	20865.24	100.00
84.210	101000.00	68.43	.00	.02	.00	704.14	100.00
84.210	157000.00	72.80	4.38	.03	4.38	5906.89	100.00
84.210	181000.00	73.92	1.11	.03	.00	20948.36	100.00
84.210	242000.00	76.33	2.42	.03	.00	21868.83	100.00
85.100	101000.00	69.29	.00	.86	.00	855.31	4850.00
85.100	157000.00	74.03	4.74	1.23	4.74	4159.60	4850.00
85.100	181000.00	74.69	.66	.78	.00	18444.82	4850.00
85.100	242000.00	76.88	2.18	.54	.00	28354.54	4850.00
* 86.910	101000.00	70.23	.00	.94	.00	4235.53	9520.00
* 86.910	157000.00	75.32	5.09	1.29	5.09	4380.09	9520.00
* 86.910	181000.00	75.96	.64	1.26	.00	17361.91	9520.00
86.910	242000.00	78.02	2.07	1.15	.00	22938.75	9520.00
* 87.610	101000.00	70.30	.00	.07	.00	3278.12	3700.00
* 87.610	157000.00	75.37	5.07	.05	5.07	3734.63	3700.00
* 87.610	181000.00	76.04	.68	.09	.00	17741.72	3700.00
87.610	242000.00	78.21	2.17	.19	.00	20794.60	3700.00

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SEBCNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
88.300	101000.00	70.86	.00	.56	.00	4598.94	3600.00	
88.300	157000.00	76.16	5.30	.80	5.30	4890.32	3600.00	
88.300	181000.00	76.82	.66	.77	.00	16975.53	3600.00	
88.300	242000.00	78.92	2.10	.71	.00	20251.42	3600.00	
89.550	101000.00	71.91	.00	1.05	.00	1781.98	6600.00	
89.550	157000.00	76.95	5.04	.78	5.04	3449.08	6600.00	
89.550	181000.00	77.67	.72	.85	.00	4835.72	6600.00	
89.550	242000.00	79.68	2.01	.76	.00	10660.38	6600.00	
90.190	101000.00	72.25	.00	.34	.00	1187.51	3400.00	
90.190	157000.00	77.30	5.05	.35	5.05	1770.13	3400.00	
90.190	181000.00	78.09	.79	.43	.00	3604.40	3400.00	
90.190	242000.00	80.16	2.07	.48	.00	6721.49	3400.00	
*	91.520	101000.00	73.14	.00	.90	.00	579.97	7000.00
*	91.520	157000.00	78.52	5.37	1.22	5.37	1492.98	7000.00
*	91.520	181000.00	79.49	.97	1.40	.00	4396.60	7000.00
*	91.520	242000.00	82.02	2.53	1.85	.00	11801.10	7000.00
92.130	101000.00	74.18	.00	1.03	.00	641.62	3200.00	
92.130	157000.00	79.96	5.79	1.45	5.79	880.65	3200.00	
92.130	181000.00	81.12	1.15	1.63	.00	6999.21	3200.00	
92.130	242000.00	84.08	2.97	2.07	.00	12423.17	3200.00	
92.150	101000.00	74.20	.00	.03	.00	642.10	100.00	
92.150	157000.00	80.00	5.80	.03	5.80	882.07	100.00	
92.150	181000.00	81.16	1.16	.04	.00	7166.52	100.00	
92.150	242000.00	84.13	2.97	.05	.00	12449.28	100.00	
92.170	101000.00	74.27	.00	.07	.00	643.37	48.00	
92.170	157000.00	80.09	5.83	.10	5.83	886.56	48.00	
92.170	181000.00	81.27	1.17	.11	.00	7528.05	48.00	
92.170	242000.00	84.24	2.97	.11	.00	12499.90	48.00	
92.190	101000.00	74.29	.00	.03	.00	643.82	100.00	
92.190	157000.00	80.13	5.83	.03	5.83	887.95	100.00	
92.190	181000.00	81.31	1.18	.04	.00	7610.04	100.00	
92.190	242000.00	84.29	2.98	.05	.00	12502.38	100.00	
92.270	101000.00	74.37	.00	.08	.00	567.02	400.00	
92.270	157000.00	80.19	5.81	.06	5.81	613.26	400.00	
92.270	181000.00	81.32	1.13	.01	.00	5486.19	400.00	
92.270	242000.00	84.27	2.96	-.02	.00	12920.28	400.00	
92.290	101000.00	74.39	.00	.02	.00	567.14	100.00	
92.290	157000.00	80.22	5.82	.03	5.82	613.48	100.00	
92.290	181000.00	81.34	1.12	.02	.00	627.71	100.00	
92.290	242000.00	84.35	3.01	.08	.00	12939.58	100.00	

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SEBCNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
92.300	101000.00	74.46	.00	.07	.00	567.66	20.00
92.300	157000.00	80.32	5.86	.10	5.86	614.31	20.00
92.300	181000.00	81.47	1.15	.13	.00	630.14	20.00
92.300	242000.00	84.48	3.01	.13	.00	12973.31	20.00
92.320	101000.00	74.48	.00	.02	.00	567.82	100.00
92.320	157000.00	80.35	5.87	.03	5.87	614.52	100.00
92.320	181000.00	81.55	1.20	.08	.00	6485.73	100.00
92.320	242000.00	84.55	3.00	.07	.00	12991.26	100.00
92.900	101000.00	75.07	.00	.59	.00	611.52	3060.00
92.900	157000.00	81.13	6.05	.78	6.05	1355.85	3060.00
92.900	181000.00	82.47	1.34	.92	.00	2474.74	3060.00
92.900	242000.00	85.44	2.98	.89	.00	11040.58	3060.00
94.340	101000.00	76.15	.00	1.08	.00	474.63	7600.00
94.340	157000.00	82.55	6.39	1.42	6.39	583.32	7600.00
94.340	181000.00	84.13	1.58	1.66	.00	4152.33	7600.00
94.340	242000.00	87.29	3.16	1.85	.00	15067.94	7600.00
94.980	101000.00	76.69	.00	.53	.00	809.16	3400.00
94.980	157000.00	83.27	6.58	.72	6.58	958.71	3400.00
94.980	181000.00	84.97	1.70	.84	.00	7074.45	3400.00
94.980	242000.00	88.68	3.72	1.39	.00	18295.31	3400.00
95.610	101000.00	77.50	.00	.81	.00	1006.24	3300.00
95.610	157000.00	84.49	6.99	1.22	6.99	1844.16	3300.00
95.610	181000.00	86.32	1.82	1.35	.00	4693.40	3300.00
95.610	242000.00	89.64	3.32	.96	.00	14762.79	3300.00
96.930	101000.00	78.17	.00	.67	.00	480.40	7000.00
96.930	157000.00	85.24	7.07	.75	7.07	521.67	7000.00

96.930	181000.00	87.13	1.89	.81	.00	1933.67	7000.00	
96.930	242000.00	90.55	3.42	.91	.00	11211.48	7000.00	
*	99.560	101000.00	79.53	.00	1.36	.00	449.07	13900.00
*	99.560	157000.00	87.12	7.59	1.88	7.59	2701.06	13900.00
	99.560	181000.00	89.19	2.07	2.06	.00	11218.64	13900.00
	99.560	242000.00	93.25	4.06	2.70	.00	22483.14	13900.00
	100.070	101000.00	80.56	.00	1.03	.00	786.68	2500.00
*	100.070	157000.00	88.60	8.04	1.48	8.04	10285.34	2500.00
*	100.070	181000.00	90.67	2.08	1.49	.00	12358.54	2500.00
	100.070	242000.00	93.94	3.27	.70	.00	16094.12	2500.00
	100.080	101000.00	80.57	.00	.01	.00	787.34	100.00
	100.080	157000.00	88.61	8.04	.01	8.04	10298.35	100.00
	100.080	181000.00	90.69	2.08	.01	.00	12367.46	100.00
	100.080	242000.00	93.96	3.27	.01	.00	16094.91	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
100.090	101000.00	80.60	.00	.02	.00	788.04	30.00	
100.090	157000.00	88.63	8.03	.02	8.03	10309.57	30.00	
100.090	181000.00	90.70	2.07	.02	.00	12375.78	30.00	
100.090	242000.00	93.97	3.27	.02	.00	16095.80	30.00	
100.100	101000.00	80.61	.00	.01	.00	788.54	100.00	
100.100	157000.00	88.64	8.04	.01	8.04	10318.35	100.00	
100.100	181000.00	90.72	2.07	.01	.00	12383.23	100.00	
100.100	242000.00	93.98	3.27	.01	.00	16096.44	100.00	
102.100	101000.00	81.75	.00	1.14	.00	453.31	10700.00	
102.100	157000.00	89.69	7.94	1.04	7.94	2128.38	10700.00	
102.100	181000.00	91.60	1.91	.88	.00	7405.92	10700.00	
102.100	242000.00	94.71	3.11	.73	.00	13144.92	10700.00	
105.500	101000.00	84.00	.00	2.25	.00	1006.34	17800.00	
105.500	157000.00	92.27	8.27	2.59	8.27	11900.01	17800.00	
105.500	181000.00	94.22	1.95	2.63	.00	14261.64	17800.00	
*	105.500	242000.00	97.40	3.17	2.69	.00	15467.80	17800.00
109.900	101000.00	86.31	.00	2.31	.00	2093.49	23100.00	
109.900	157000.00	94.19	7.89	1.92	7.89	2270.03	23100.00	
109.900	181000.00	95.99	1.79	1.76	.00	2310.19	23100.00	
109.900	242000.00	98.99	3.00	1.59	.00	2377.45	23100.00	
110.900	101000.00	86.82	.00	.51	.00	1039.93	5300.00	
110.900	157000.00	94.74	7.92	.55	7.92	1208.94	5300.00	
110.900	181000.00	96.60	1.86	.62	.00	1866.61	5300.00	
110.900	242000.00	99.85	3.25	.86	.00	3188.91	5300.00	
*	111.900	101000.00	87.08	.00	.26	.00	576.62	5500.00
*	111.900	157000.00	94.90	7.82	.16	7.82	627.26	5500.00
*	111.900	181000.00	96.75	1.84	.14	.00	981.46	5500.00
*	111.900	242000.00	99.94	3.19	.09	.00	1626.92	5500.00
112.900	101000.00	88.05	.00	.97	.00	600.95	5300.00	
112.900	157000.00	95.97	7.92	1.07	7.92	717.38	5300.00	
112.900	181000.00	98.02	2.04	1.27	.00	3422.92	5300.00	
112.900	242000.00	101.90	3.88	1.96	.00	11082.08	5300.00	
114.000	101000.00	89.22	.00	1.17	.00	858.21	5500.00	
114.000	157000.00	97.22	8.00	1.25	8.00	1314.98	5500.00	
114.000	181000.00	99.28	2.06	1.27	.00	1340.96	5500.00	
114.000	242000.00	103.18	3.90	1.28	.00	8113.88	5500.00	
117.800	101000.00	92.21	.00	2.99	.00	964.22	20300.00	
117.800	157000.00	99.90	7.69	2.68	7.69	1432.30	20300.00	
117.800	181000.00	102.09	2.19	2.81	.00	1489.57	20300.00	
117.800	242000.00	106.17	4.08	2.99	.00	11402.24	20300.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
118.800	101000.00	92.87	.00	.66	.00	2156.46	5400.00
118.800	157000.00	100.58	7.71	.68	7.71	4867.73	5400.00
118.800	181000.00	102.84	2.26	.75	.00	5068.63	5400.00
118.800	242000.00	107.11	4.26	.93	.00	7279.22	5400.00
123.100	101000.00	97.37	.00	4.49	.00	2278.75	22600.00
123.100	157000.00	103.90	6.54	3.32	6.54	12301.05	22600.00
123.100	181000.00	105.94	2.04	3.10	.00	16979.80	22600.00
123.100	242000.00	109.94	3.99	2.83	.00	17737.88	22600.00

*	123.800	101000.00	98.78	.00	1.42	.00	3915.96	3700.00
*	123.800	157000.00	105.05	6.27	1.14	6.27	13534.10	3700.00
*	123.800	181000.00	106.88	1.83	.93	.00	14740.58	3700.00
*	123.800	242000.00	110.51	3.64	.58	.00	21206.23	3700.00
	124.800	101000.00	99.34	.00	.56	.00	4415.68	5000.00
	124.800	157000.00	105.33	5.99	.28	5.99	13998.49	5000.00
	124.800	181000.00	107.10	1.77	.22	.00	15412.32	5000.00
	124.800	242000.00	110.67	3.57	.16	.00	16613.08	5000.00
*	126.800	101000.00	101.55	.00	2.21	.00	1786.72	10900.00
	126.800	157000.00	106.67	5.12	1.34	5.12	4173.02	10900.00
	126.800	181000.00	108.26	1.59	1.16	.00	5667.66	10900.00
	126.800	242000.00	111.57	3.30	.90	.00	7334.36	10900.00
	127.600	101000.00	101.85	.00	.30	.00	646.47	4000.00
	127.600	157000.00	107.16	5.31	.48	5.31	1812.90	4000.00
	127.600	181000.00	108.75	1.60	.49	.00	5809.11	4000.00
	127.600	242000.00	112.08	3.32	.51	.00	7376.29	4000.00
	127.610	101000.00	101.86	.00	.01	.00	646.54	100.00
	127.610	157000.00	107.18	5.32	.02	5.32	1819.45	100.00
	127.610	181000.00	108.78	1.60	.03	.00	5830.56	100.00
	127.610	242000.00	112.10	3.32	.02	.00	7376.50	100.00
	127.620	101000.00	101.89	.00	.03	.00	646.75	28.00
	127.620	157000.00	107.22	5.34	.04	5.34	1918.18	28.00
	127.620	181000.00	108.82	1.60	.05	.00	5897.26	28.00
	127.620	242000.00	112.14	3.32	.04	.00	7377.14	28.00
	127.630	101000.00	101.90	.00	.01	.00	646.81	100.00
	127.630	157000.00	107.25	5.35	.02	5.35	2005.72	100.00
	127.630	181000.00	108.85	1.60	.03	.00	5925.71	100.00
	127.630	242000.00	112.17	3.32	.02	.00	7377.41	100.00
	127.900	101000.00	102.01	.00	.11	.00	1034.48	1100.00
	127.900	157000.00	107.53	5.53	.29	5.53	6165.51	1100.00
	127.900	181000.00	109.17	1.64	.32	.00	7370.22	1100.00
	127.900	242000.00	112.42	3.25	.25	.00	8020.90	1100.00

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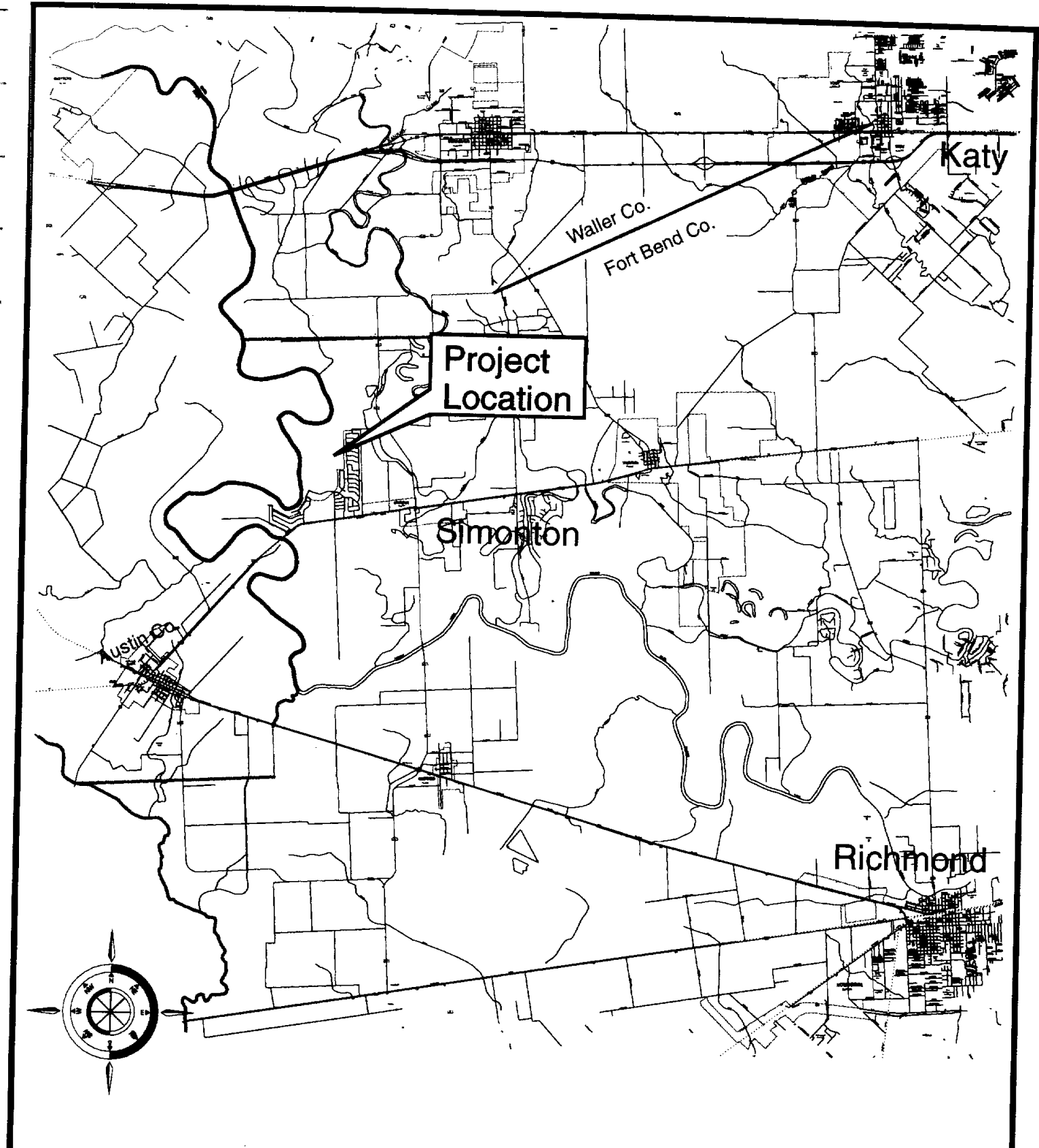
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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	129.900	101000.00	103.65	.00	1.64	.00	10257.26	10600.00
*	129.900	157000.00	109.08	5.43	1.54	5.43	21066.02	10600.00
*	129.900	181000.00	110.63	1.55	1.46	.00	26204.20	10600.00
*	129.900	242000.00	113.72	3.09	1.30	.00	26224.80	10600.00
*	130.700	101000.00	104.55	.00	.90	.00	12821.25	4200.00
	130.700	157000.00	109.42	4.87	.34	4.87	30865.70	4200.00
	130.700	181000.00	110.89	1.48	.26	.00	34105.95	4200.00
	130.700	242000.00	113.89	2.99	.17	.00	34125.91	4200.00
	132.200	101000.00	105.13	.00	.58	.00	2491.72	7400.00
	132.200	157000.00	109.74	4.61	.32	4.61	18009.14	7400.00
*	132.200	181000.00	111.15	1.42	.26	.00	19600.00	7400.00
*	132.200	242000.00	114.07	2.92	.18	.00	19600.00	7400.00
	133.900	101000.00	105.73	.00	.60	.00	9762.32	9000.00
	133.900	157000.00	110.32	4.60	.59	4.60	20269.10	9000.00
	133.900	181000.00	111.68	1.36	.53	.00	21905.40	9000.00
	133.900	242000.00	114.49	2.80	.42	.00	22915.13	9000.00
*	134.970	101000.00	106.13	.00	.41	.00	958.55	5809.00
*	134.970	157000.00	110.36	4.22	.03	4.22	7472.14	5809.00
*	134.970	181000.00	111.60	1.24	-.09	.00	8620.50	5809.00
*	134.970	242000.00	114.30	2.70	-.19	.00	9080.00	5809.00
	137.100	101000.00	107.99	.00	1.86	.00	2896.97	11360.00
	137.100	157000.00	112.78	4.79	2.43	4.79	12399.67	11360.00
	137.100	181000.00	114.11	1.33	2.52	.00	13567.58	11360.00
	137.100	242000.00	116.66	2.54	2.36	.00	14250.00	11360.00
	138.000	101000.00	109.10	.00	1.10	.00	2888.74	4800.00
	138.000	157000.00	113.64	4.55	.86	4.55	13259.45	4800.00
	138.000	181000.00	114.88	1.24	.77	.00	15117.99	4800.00
	138.000	242000.00	117.32	2.44	.66	.00	15300.00	4800.00
	139.000	101000.00	110.60	.00	1.50	.00	1641.97	5200.00
	139.000	157000.00	114.62	4.03	.98	4.03	9928.55	5200.00
	139.000	181000.00	115.71	1.09	.83	.00	15200.00	5200.00
	139.000	242000.00	117.95	2.25	.63	.00	15200.00	5200.00

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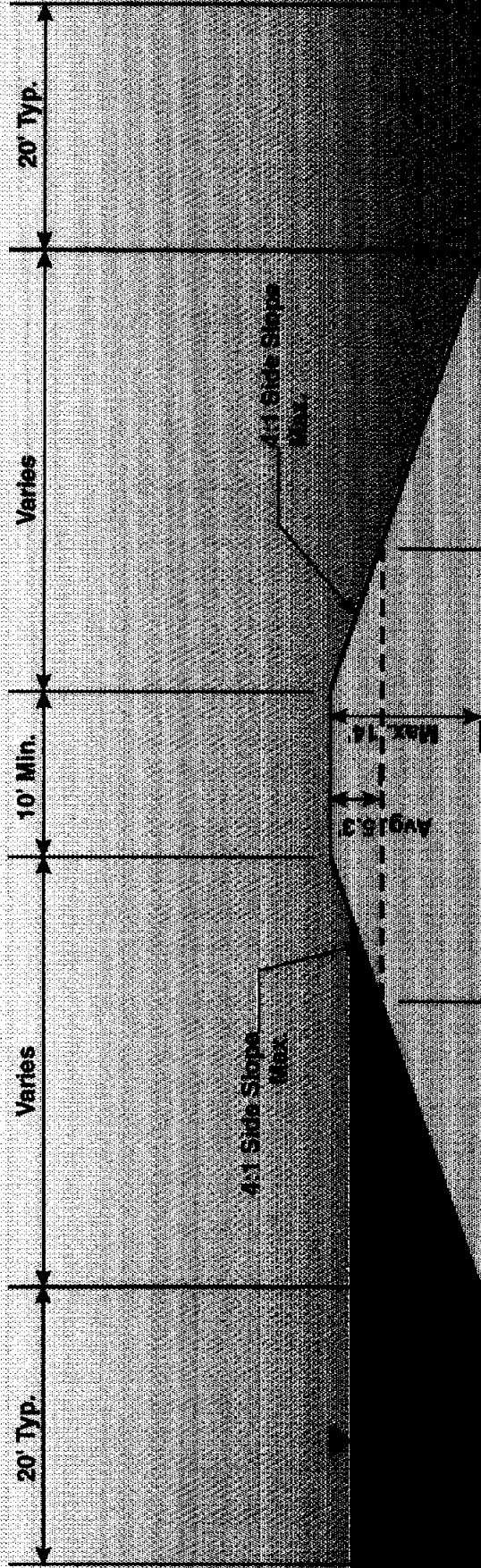
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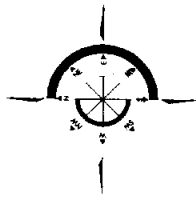


Vicinity Map
Exhibit 1

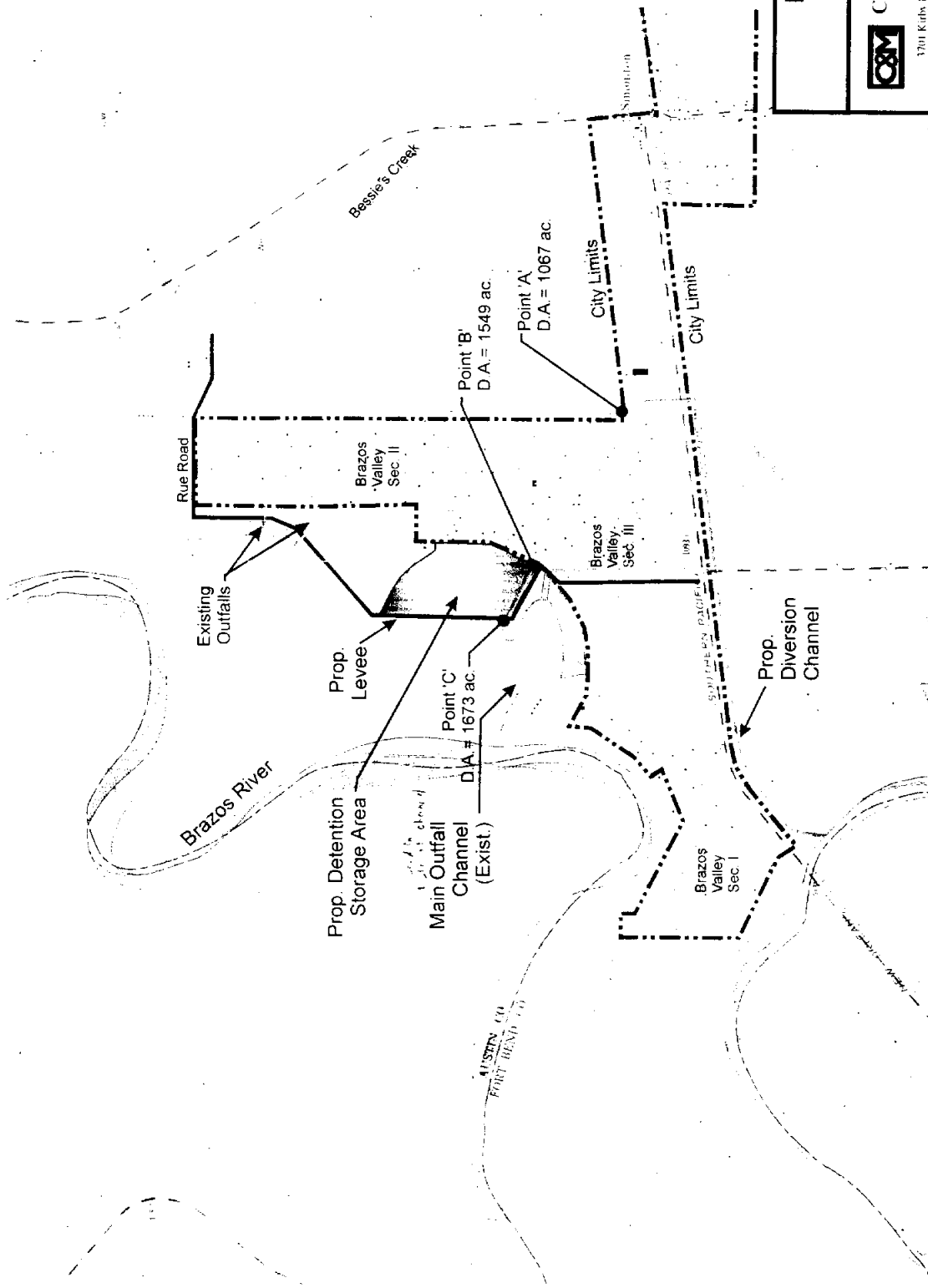
 **CLAUNCH & MILLER, INC.**
Consulting Engineers
3701 Kirby Drive, Suite 860 Houston, Texas (713) 524-7113



CLAUNCH & MILLER, INC.
 Consulting Engineers
 3701 Kirby Drive, Suite 860 Houston, Texas (713) 524-7113



Scale 1"=2000'
(Approx)



November, 1996

Project Layout Exhibit 3



CLAUNCH & MILLER, INC.
Consulting Engineers
1701 Kirby Drive, Suite 860 Houston, Texas 77057-7113

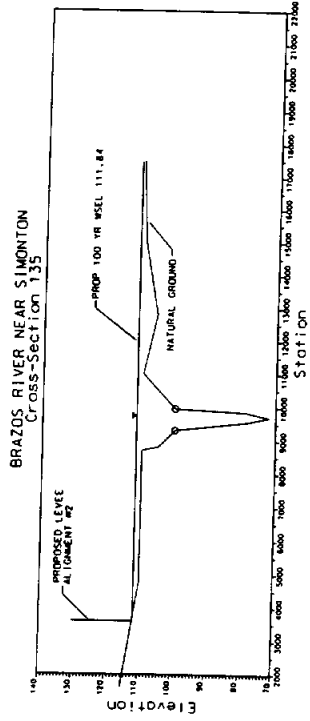
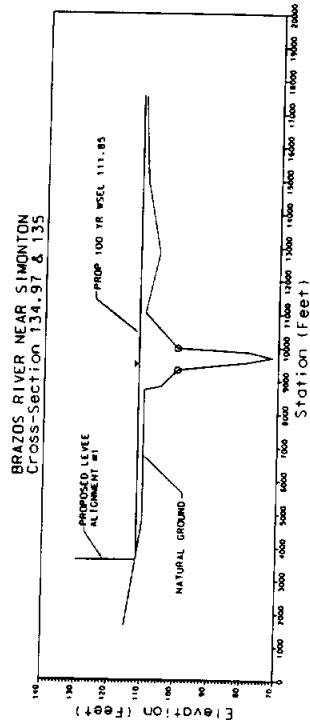
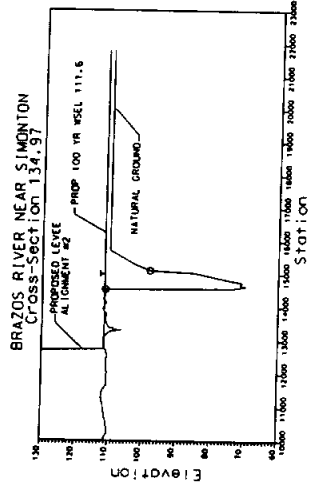
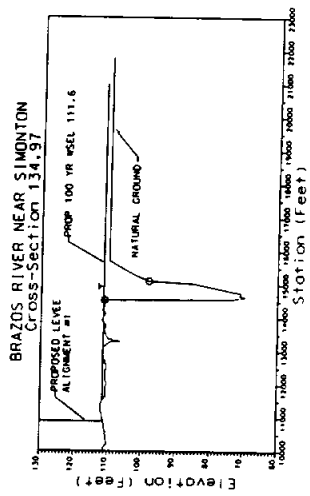
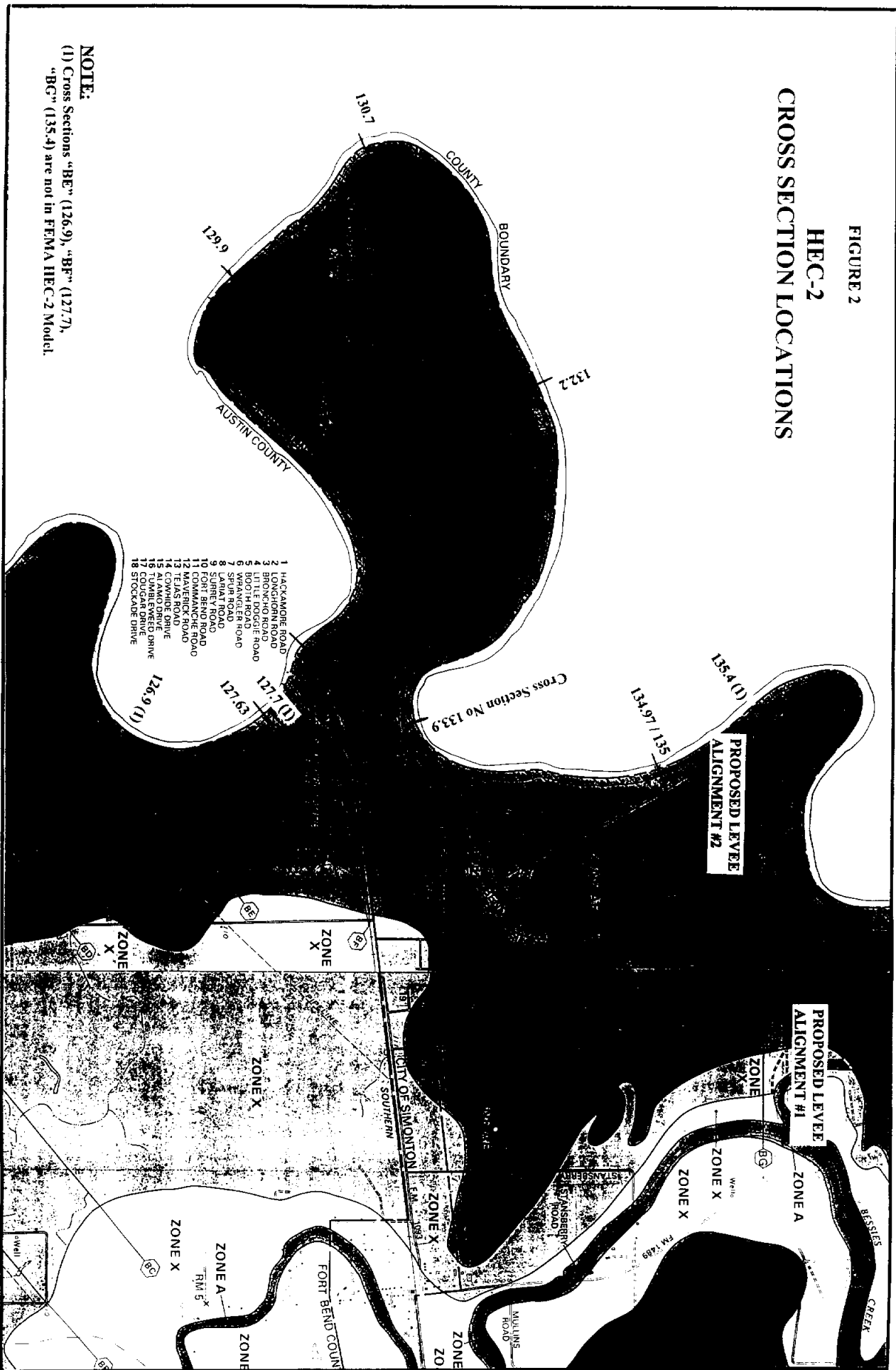


FIGURE 1

FIGURE 2
HEC-2
CROSS SECTION LOCATIONS



NOTE:
(1) Cross Sections "BE" (126.9), "BF" (127.7),
"BC" (135.4) are not in FEMA HEC-2 Model.