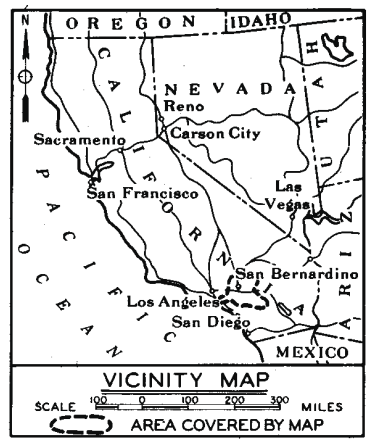
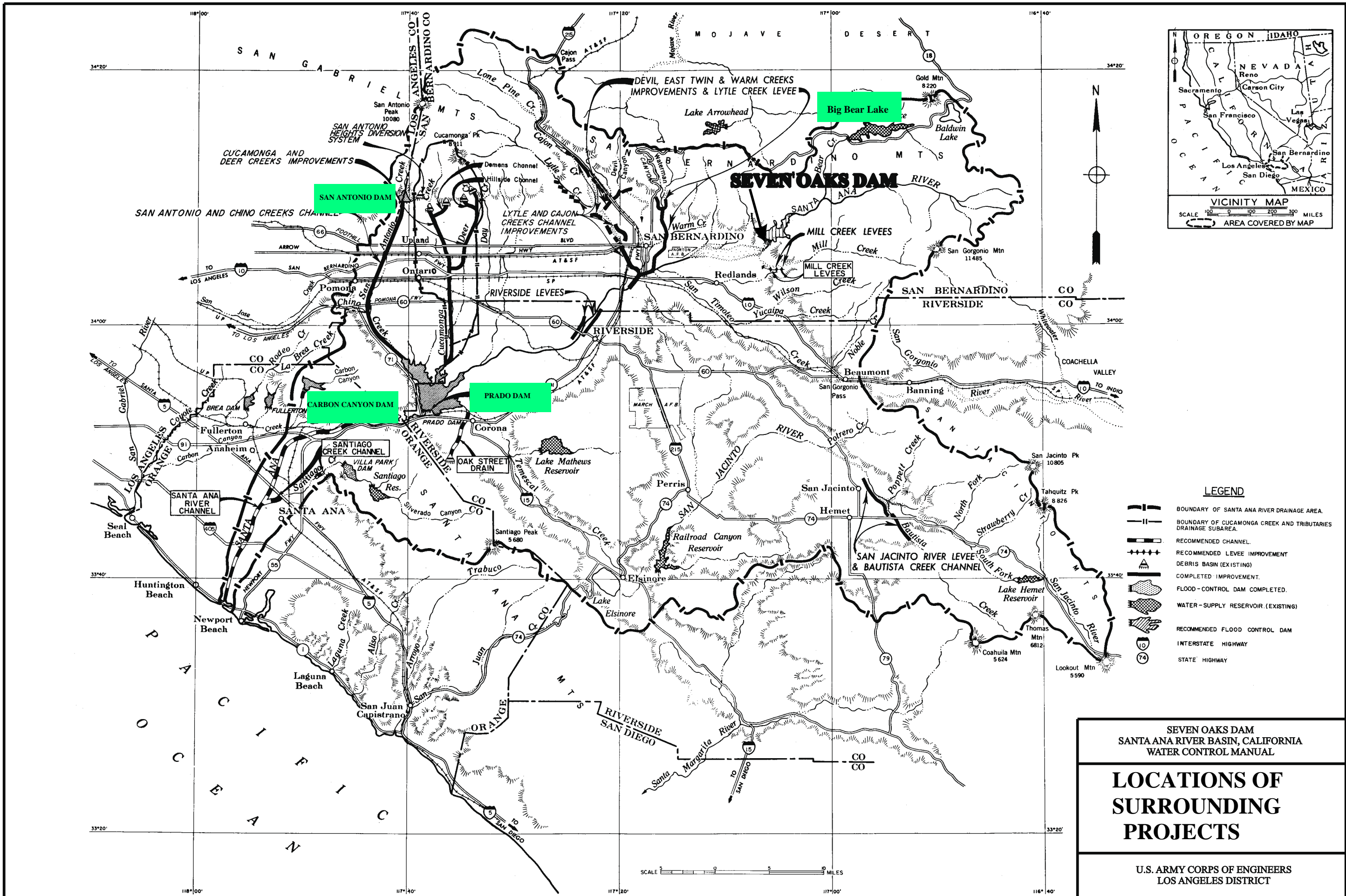


EXHIBIT C.

**SUPPLEMENTARY PERTINENT DATA OF
SURROUNDING PROJECTS**



- LEGEND**
- BOUNDARY OF SANTA ANA RIVER DRAINAGE AREA.
 - BOUNDARY OF CUCAMONGA CREEK AND TRIBUTARIES DRAINAGE SUBAREA.
 - RECOMMENDED CHANNEL.
 - RECOMMENDED LEVEE IMPROVEMENT.
 - DEBRIS BASIN (EXISTING).
 - COMPLETED IMPROVEMENT.
 - FLOOD-CONTROL DAM COMPLETED.
 - WATER-SUPPLY RESERVOIR (EXISTING).
 - RECOMMENDED FLOOD CONTROL DAM.
 - INTERSTATE HIGHWAY.
 - STATE HIGHWAY.

SEVEN OAKS DAM
 SANTA ANA RIVER BASIN, CALIFORNIA
 WATER CONTROL MANUAL

**LOCATIONS OF
 SURROUNDING
 PROJECTS**

U.S. ARMY CORPS OF ENGINEERS
 LOS ANGELES DISTRICT

Approved 1/22/98

BEAR VALLEY DAM EMERGENCY ACTION PLAN

PREPARATION REPORT

INTRODUCTION

This report was written in conjunction with the preparation of the Bear Valley Dam Emergency Action Plan (EAP) in order to document the assumptions and conclusions necessary for preparation of that document. The report describes the project, regulatory jurisdiction, dam stability, hazard classification, failure modes, flood hydrology and inundation, early warning and contains photographs of facilities that would be at risk in the event of a dam failure.

The EAP was prepared by reviewing all documentation at the BBMWD offices, telephone conversations with the U.S. Forest Service (USFS), U.S. Army Corps of Engineers (COE) and the State of California, Office of Emergency Services (OES), and included a visit to the office of the California Department of Water Resources, Division of Safety of Dams (DSOD). The EAP adheres to guidelines set by OES, DSOD and the federal government.

PROJECT DESCRIPTION

Bear Valley Dam is a 91-foot(ft) high, concrete, multiple arch structure with a crest length of 360-ft. The dam was constructed in 1911 as a replacement of an old masonry arch dam located about 200-ft upstream. The dam impounds a reservoir with a volume of 73,320 acre-feet(ac-ft), covering an area of 2,973-acres(ac) at a normal maximum water level (NMWL) of El 6743.2. The service spillway consists of five 4.0 x 6.0-ft rectangular openings located in bays 1 and 10, with a sill at El 6736.2 and a maximum discharge of 2,630 cubic feet per second (cfs) at reservoir El 6743.33. The openings are controlled by wooden slide gates which are raised by hand wheels. The outlet works consists of one 36-inch diameter conduit regulated by two gate valves, a 14" and a 24" gates, located at El 6666.0, and has a discharge capacity of 250 cfs. In 1924, the State Department of Transportation (CALTRANS) built a bridge across the crest of the dam. The dam was rehabilitated in 1988 to meet DSOD safety requirements by filling in the multiple arch barrels with mass concrete, thereby converting the dam into a virtual gravity structure. As part of the rehabilitation, the construction of an emergency spillway was begun in three bays near the center of the dam, with a sill at El 6731. This spillway will not be fully operational until the state highway is removed from the dam. It will include the installation of three (3) gates, each approximately 13' x 19', which will provide for the release of approximately 15,000 cfs. It is estimated that Caltrans will construct a new bridge by the year 2002, at which time this spillway can be completed. Management of the dam, bottom of the reservoir and Lake level are by Big Bear Municipal Water District. However, the water rights remain with Bear Valley Mutual Water Company in Redlands.

BEAR VALLEY DAM EMERGENCY ACTION PLAN**REGULATORY AUTHORITY****U.S. Forest Service (USFS)**

Since Bear Valley Dam is located within San Bernardino National Forest, it falls within the jurisdiction of the USFS. The EAP was prepared in response to a letter from the USFS to the General Manager of the BBMWD, dated 28 February 1994. The USFS was consulted as to the scope and content of the EAP.

State of California, Department of Water Resources, Division of Safety of Dams

All privately owned dams in the state of California fall within the jurisdiction of the Division of Safety of Dams (DSOD). The DSOD is responsible for assigning a hazard classification to each dam and Bear Valley Dam has been classified as High Hazard. The state requires that all high hazard dams, have a breach analysis performed, the resulting flood routed downstream and flood inundation maps prepared. This work was done for Bear Valley Dam in 1974 and the work was accepted by the DSOD. Since that time the responsibility for flood inundation mapping has passed to the State Office of Emergency Services (OES).

State of California Office of Emergency Services

The EAP was prepared in accordance with the Standard Emergency Management System (SEMS) Regulations, California Regulations, Title 19, Division 2, OES.

U.S. Corps of Engineers (COE)

The COE is currently constructing Seven Oaks Dam approximately 15 miles downstream from Bear Valley Dam on the Santa Ana River. When completed the dam will be 550-ft high with a crest length of 2,630-ft and a width of 40-ft at El 2610. The dam is a zoned rockfill embankment with an upstream slope of 2.2:1 and a downstream slope of 1.8:1. The outlet works is 18" in diameter and has a discharge capacity 7,000 cfs. The ogee type ungated spillway is located in the right abutment with a crest length of 560-ft at El 2580. The dam is designed to safely pass the probable maximum flood (PMF) with a peak discharge of 180,000 cfs and a maximum reservoir level at El 2605. The reservoir is sized for 32,000 ac-ft of sediment storage, 145,600 ac-ft of active storage to spillway elevation, and a flood surcharge of 145,600 ac-ft.

DAM STABILITY

The stability of the rehabilitated Bear Valley Dam was verified in the Report on Structural Analysis of Rehabilitation by R.W. Beck and Associates in December 1987. It determined that the factor of safety during the two extreme loading conditions is as follows:

	<u>Factor of Safety</u>	<u>Required</u>
Seismic Loading	>2.1	1.0
PMF Loading	>2.0	1.0

BEAR VALLEY DAM EMERGENCY ACTION PLAN

This means that the likelihood of Bear Valley Dam failing in either an extraordinary seismic event or flood is extremely remote.

HAZARD CLASSIFICATION

Bear Valley Dam is classified as High Hazard by DSOD and the USFS which is defined as "failure, no matter how improbable, would result in the loss of life or excessive economic loss". Although the hazard posed by a dam break at Bear Valley will be reduced once Seven Oaks Dam is completed in 1999, more than likely the dam will maintain its High Hazard classification because of the continued threat posed to campers and recreational users in Bear Creek Canyon between the dam and Seven Oaks Dam.

MODE OF FAILURE

Concrete dams can fail due to sliding along the foundation, shearing through the dam, excessive cracking, overturning or failure of an abutment. In any of these modes failure must be considered to be instantaneous. There would be few, if any, precursors of dam failure. Extreme loads that could induce failure through one of the modes described above could be imparted by a large earthquake or during overtopping of the dam during a large flood.

DOWNSTREAM IMPACTS

An inspection of the canyon formed by Bear Creek and the Santa Ana River downstream of Bear Valley Dam as far as the site of Seven Oaks Dam revealed it to be devoid of permanent human habitation. However the following facilities exist in this stretch of the canyon which would certainly be affected by the failure of Bear Valley Dam:

Campgrounds

The USFS maintains several campgrounds for public use along Bear Creek downstream of Bear Valley Dam:

Siberia Creek Campground

The campground consists of one metal firepit and is located on a small terrace on the left bank of Bear Creek about 20-ft above stream bed, at approximately El 4760. The campground is very remote and can only be reached on foot, however there are signs that the campsite is being frequented.

Slide Lake Campground

The campground consists of several rock ringed fire pits and, is located on the right bank of Bear Creek just above boulder strewn stream bed at approximately El 3860. The site is accessible by vehicle. The campground was unoccupied at the time of the inspection, however it showed signs of frequent visitation and vandalism. The campground would be inundated by a flood of moderate size with or without the failure of Bear Valley Dam,

BEAR VALLEY DAM EMERGENCY ACTION PLAN

as it is located upstream of a large rock slide emanating from Slide Peak which has formed a natural dam across the creek. A high water mark can be observed along the banks of the creek upstream indicating the level the water in the lake reaches during large flood events of around El 4000.

Bear Creek Campground

Bear Creek Campground is a poorly defined collection of rock ringed fire pits in the flood plain of Bear Creek at about El 3520, just upstream of the confluence with the Santa Ana River. It is accessible by vehicle and shows signs of frequent visitation and vandalism. The campground would be flooded by moderate floods irrespective of failure of the dam.

Santa Ana River Hydroelectric System

The Santa Ana River Hydroelectric System consists of a sequence of interconnected intakes, aqueducts and powerhouses. The project was built in the late 1800's and early 1900's. The system is owned and operated by Southern California Edison (SCE).

Intake, Aqueduct and Powerhouse No. 1

The intake is located on the left bank of Bear Creek and the aqueduct, consisting of a steel pipe, immediately bridges the creek before entering a series of flumes and tunnels on the right bank of the creek. It is likely that this pipe crossing would be destroyed by any large flood irrespective of the failure of Bear Valley Dam.

It was not possible to visit powerhouse No.1 during the site visit, however judging from its location near the river, heavy damage could be expected during a large flood. The powerhouse is unmanned but occasionally visited by SCE operation and maintenance personnel.

Intake, Aqueduct and Powerhouse No.2

Powerhouse No. 2 and a portion of the aqueduct are located below El 2605, the maximum water level of Seven Oaks Reservoir during passage of the PMF. Therefore this facility is scheduled to be abandoned and would no longer be impacted by a flood caused by the failure of Bear Valley Dam.

FLOOD HYDROLOGY AND INUNDATION

Various reports on flood hydrology were reviewed including "Dam Inundation Study" prepared by CM Engineering Associates in 1974, and the following observations were made:

- The maximum flow (Q_{max}) used in the 1974 inundation study agrees well with current OES criteria.
- Current OES criteria calls for superimposing the failure hydrograph on a concurrent 10-year discharge in the downstream channel. The 1974 inundation study assumed no downstream

BEAR VALLEY DAM EMERGENCY ACTION PLAN

inflow. Inflow to Bear Creek and the Santa Ana River downstream of the dam can be assumed to be less than 1% of the peak flow and therefore would have an insignificant impact on flooding.

- Information on the dam breach hydrograph modeled in 1974 was not available, although the report states that it was computed using OES criteria. Since the current and 1974 Qmax values agree well, it can be assumed that the hydrograph criteria from OES were properly applied and would be consistent with current criteria.
- Results of hydrograph routings were not included in the 1974 report. Routing was performed using the Convex Method and the Storage-Indication Method according to the text. A current analysis would use HEC-1 and apply the Modified Puls (normal depth) or Muskingum-Crage Methods. All are based on the same theory and should give similar results if properly applied. The narrow valley between Bear Valley Dam and Seven Oaks Reservoir will not produce large flood routing attenuation, so this part of the analysis is not expected to be critical.
- Volume of Big Bear Lake is 73,320 ac-ft at the spillway crest. Volume of Seven Oaks Reservoir is 112,000 ac-ft at the spillway elevation and 138,000 ac-ft at the crest elevation. Therefore, it can be concluded that Seven Oaks Dam would not overtop if Bear Valley Dam were to fail. Therefore, BBMWD should not be responsible for analyzing flood inundation downstream of Seven Oaks Reservoir. Such flood inundation responsibility rests with the COE.
- The inundation map in the 1974 study only indicates flood boundaries. Current OES criteria requires maps to contain the following information:
 - flood boundaries
 - flood elevations at cross sections
 - peak discharge at cross sections
 - flood peak travel time at cross sections
 - flooding time and deflooding time at cross sections (when flow leaves the channel on the rising hydrograph limb and returns to the channel on the falling limb)

It is impossible to generate this information from the data included in the report, although other backup data (e.g., computer runs) may be available somewhere to provide some of the required information.

- Campgrounds, gauging stations and hydropower facilities are the only impacted facilities shown in the flooded area on the USGS map. Therefore, there does not appear to be sufficient reason to re-do the dam break inundation analysis.
- The James M. Montgomery report on spillway routing gives a PMF outflow of 36,400 cfs. This is about 10 percent of the dam failure peak. Increasing the dam break peak by this 10% in the case of a dam break caused by the PMF would have little impact on the flood boundaries and inundation elevations in the canyon downstream of the dam. Therefore, it does not appear necessary to simulate a concurrent PMF and dam failure event for purposes of the EAP.

BEAR VALLEY DAM EMERGENCY ACTION PLAN**Emergency Preparedness and Early Warning**

If the dam were to fail in a seismic event, failure would be instantaneous and there would be no time to warn anyone at the campgrounds or along the river downstream even if it was possible to determine that the dam had breached. Furthermore there are no communications facilities in the canyon. Early warning sirens at the dam would be ineffective more than a few miles downstream and recreational users would probably not know what the sirens meant if they heard them.

In the event of failure during an extreme flood event such as the PMF, the storm would be a tropical cyclone off the Pacific Ocean with a duration of several days. The intense rainfall accompanying such a storm would wash out trails and roads leading to the campgrounds and it is highly unlikely that there would be people in the canyon during such an event.

CONCLUSIONS:

- Bear Valley Dam is safe even under extreme loading conditions resulting from a large earthquake or overtopping by the PMF.
- The dam is correctly classified as "High Hazard" because in the event of failure it is remotely possible that there could be loss of human life or excessive economic loss (e.g., SCE Powerhouse No. 1).
- It is extremely unlikely that there would be anyone in the canyon during a dam failure caused by the PMF. Therefore, the only situation where people might be at risk would be a sunny day failure caused by a large earthquake.
- If the dam were to fail, failure would be instantaneous and there would be no time to warn people downstream.
- It would be impractical to install an early warning system.
- The Seven Oaks reservoir management plan identifies the maximum storage at any given time to be no more than 25% of its 145,600 acre feet capacity (36,400 acre feet). The Seven Oaks reservoir would therefore contain the flood volume released by the failure of the Bear Valley Dam, even at Big Bear Lake's maximum capacity of 73,370 acre feet, and there would be no further risk downstream.

PHOTOGRAPHS

BEAR VALLEY DAM
EMERGENCY ACTION PLAN (EAP)

ADOPTED JANUARY 1998
Revised December 1998

NAME: Bear Valley Dam Number 803 **OWNER:** Big Bear Municipal Water District (BBMWD)

FOREST: San Bernardino **RANGER DISTRICT:** Big Bear

LOCATION OF DAM: SW S22, T2N, R1W, San Bernardino Base and Meridian

ROUTE TO DAM: Approximately 4 miles west of the town of Big Bear Lake via State Highway 18 or approximately 24 miles east of the intersection of State Highways 18 and 330.

HEIGHT: 91 feet **ADMINISTRATIVE CLASS:** A **HAZARD RATING:** High

STORAGE VOLUME (NWL): 73,320 acre-feet **SURFACE AREA:** 2,973 acres

NORMAL MAXIMUM WATER LEVEL (NMWL): El 6743.2

TYPE OF STRUCTURE: Concrete Multiple Arch. Ten arches (bays) ranging in height from 15 to 91-feet founded on a foundation of sound crystalline rock. Total crest length is 360-feet. Bays have been filled with mass concrete to form a virtual gravity dam with an upstream slope of 0.75:1 and a vertical downstream face from the crest to El 6691.0 below which the face slopes 0.25:1. The downstream side of the dam is further stabilized by 11, 1.5-foot to 5.0-foot wide buttresses located between each bay.

OUTLET WORKS: One 36-inch diameter conduit controlled by two gate valves (14" and 24") location in bay no. 7 at El 6666.0. Discharge capacity is 250 cfs.

BEAR VALLEY DAM EMERGENCY ACTION PLAN (EAP)

SERVICE SPILLWAY: Five 4.0 x 6.0 rectangular openings located at the end bays (nos. 1 and 10) on either abutment with a sill at El 6736.2. Wood slide gates are operated by hand wheels. Discharge capacity is 2,630 cubic feet per second with the reservoir at El 6742.33.

EMERGENCY SPILLWAY: Total of 108-feet wide, ungated, ogee type located in bay nos. 5, 6 and 8. Discharge capacity will be approximately 15,000 cfs at reservoir El 6742.33 when emergency spillway construction is completed. Overtopping rates at a free overflow situation of current structure are:

<u>OVERTOPPING DEPTH</u> <u>(feet-inches)</u>	<u>DISCHARGE</u> <u>(cubic feet per second)</u>
0-1	28
0-6	416
1-0	1,188
2-0	3,362
3-0	6,178
4-0	9,504
5-0	13,282
6-0	17,464
7-0	22,002
8-0	26,884
9-0	32,076
9-6.8	36,400

BRIDGE: State Highway 18 crosses the dam on a bridge located on the crest of the dam.

COMMUNICATION CONDITIONS: The BBMWD headquarters in the town of Big Bear Lake is equipped with 6 telephone ground lines. In addition, headquarters operates a VHF radio base station that is in communication with BBMWD vehicles (total of 16 units). The General Manager and key personnel are equipped with cellular telephones and pagers.

PURPOSE OF EAP: Establish responsibility, communication, and emergency action guidelines for four potential dam emergency conditions (scenarios).

AUTHORITY: The EAP has been prepared in accordance with the requirements of the State of California, Offices of Emergency Services (OES); Department of Water Resources, Division of Safety of Dams (DSOD); and federal emergency action plan guidelines.

BEAR VALLEY DAM EMERGENCY ACTION PLAN (EAP)

TESTING AND UPDATING OF EAP: The EAP should be updated any time there is a change affecting the plan, such as a change in responsible persons at **BBMWD** or one of the other key organizations in the EAP. The EAP will be reviewed and updated yearly as a minimum. Likewise the EAP should be tested on a yearly basis by simulating one of the emergency conditions described.

DISSEMINATION OF EAP: The **BBMWD** will send a copy of the EAP along with flood inundation mapping to each of the organizations listed therein. It will be the responsibility of each organization to disseminate the EAP plan to those persons within their organization with a need to know and especially those who would be responsible for implementing the plan. A copy of the EAP should be posted on a bulletin board or other prominent location at each of these organizations.

PRADO DAM AND RESERVOIR
RIVERSIDE COUNTY, CALIFORNIA
PERTINENT DATA
(REVISED January 1993)

Construction Completed		April 1941
Stream System		Santa Ana River
Drainage Area	sq. mi.	2,255
Reservoir:		
Elevation		
Streambed at dam	ft., m.s.l.	460.0
Debris pool	ft., m.s.l.	490.0
Buffer pool (Flood Season)	ft., m.s.l.	494.0
(Non-flood Season)	ft., m.s.l.	505.0
Spillway Crest	ft., m.s.l.	543.0
Revised Standard Project Flood Level (1969)	ft., m.s.l.	554.6
Spillway Design Surcharge Level (1941)	ft., m.s.l.	556.0
Top of dam	ft., m.s.l.	566.0
Revised Probable Maximum Flood Level (1969)	ft., m.s.l.	570.3**
Area		
Debris pool	acres	768
Buffer pool (Flood Season)	acres	1,081
(Non-flood Season)	acres	2,123
Spillway crest	acres	6,566
Revised Standard Project Flood Level (1969)	acres	8,485.3
Spillway design surcharge Level (1941)	acres	8,769.5
Top of dam	acres	11,030
Revised Probable Maximum Flood Level (1969)	acres	11,900.0**
Capacity, gross (1988 Survey)		
Debris pool	ac-ft(in.)	4,689 (0.04*)
Buffer pool (Flood Season)	ac-ft(in.)	8,437 (0.07*)
(Non-flood Season)	ac-ft (in.)	25,760 (0.2*)
Spillway crest	ac-ft(in.)	187,700 (1.50*)
Revised Standard Project Flood Level (1969)	ac-ft(in.)	283,414 (2.36*)
Spillway design surcharge Level (1941)	ac-ft(in.)	295,581 (2.46*)
Top of dam	ac-ft(in.)	383,500 (3.10*)
Revised Probable Maximum Flood Level (1969)	ac-ft(in.)	436,000 (3.62*)**
Allowance for sediment (50 year)	ac-ft(in.)	12,000 (0.10*)
Dam: - Type		
		Earth-fill
Height above original streambed	ft.	106
Top length	ft.	2,280
Top width	ft.	30
Design Freeboard (1941)	ft.	10
Spillway: - Type		
		Ungated ogee
Crest length	ft.	1,000
Design surcharge/ discharge (1941)	ft/cfs.	13/181,000
Outlets:		
Uncontrolled (NOTE: Both uncontrolled outlets are plugged)		
Controlled		
Gate type		Vertical lift
Number and size		6 - 7'W x 12'H
Entrance invert elevation	ft., m.s.l.	460
Conduits		
Number and size		2 - 13.5'W x 13.5'H
Length	ft.	750
Maximum capacity at spillway crest	cfs	17,000
Maximum regulated reservoir release	cfs	5,000
Revised Standard Project Flood (1969):		
Duration (inflow)	Days	4
Total volume	ac-ft(in.)	488,000 (4.05*)
Maximum Water Surface Elevation	ft., m.s.l.	554.59
Inflow peak	cfs	282,000
Outflow peak	cfs	150,000
Revised Probable Maximum Flood (1969):		
Duration (inflow)	Days	6**
Total volume	ac-ft(in.)	1,447,000 (12.24*)**
Maximum Water Surface Elevation	ft., m.s.l.	570.3**
Inflow peak	cfs	670,000**
Outflow peak	cfs	603,000**
Historic maximums:		
Maximum discharge on record	cfs	5,992
Date		2-22-80
Maximum water surface elevation	ft., m.s.l.(ac-ft)	528.0(111,316)
Date		2-22-80

* inches of runoff over watershed

** NOTE: Dam is over-topped

NEW PRADO DAM AND RESERVOIR
RIVERSIDE COUNTY, CALIFORNIA
PERTINENT DATA
(EXISTING PROJECT - Revised January 1993)

Construction Completed	April 1941
Stream System	Santa Ana River
Drainage Area.....	sq. mi. 2,255
Reservoir:	
Elevation	
Streambed at Dam	ft., m.s.l. 460.0
Debris Pool	ft., m.s.l. 490.0
Buffer Pool (Flood Season)	ft., m.s.l. 494.0
(Non-flood Season)	ft., m.s.l. 505.0
Spillway Crest	ft., m.s.l. 543.0
Revised Standard Project Flood Level (1969) ..	ft., m.s.l. 554.6
Spillway Design Surcharge Level (1941).....	ft., m.s.l. 556.0
Top of Dam	ft., m.s.l. 566.0
Revised Probable Maximum Flood Level (1969).....	ft., m.s.l. 570.3**
Area	
Debris Pool	acres 768
Buffer Pool (Flood Season)	acres 1,081
(Non-flood Season) ..	acres 2,123
Spillway Crest	acres 6,566
Revised Standard Project Flood Level (1969) ..	acres 8,485.3
Spillway Design Surcharge Level (1941).....	acres 8,769.5
Top of Dam	acres 11,030
Revised Probable Maximum Flood Level (1969).....	acres 11,900**
Capacity, Gross (1988 Survey)	
Debris Pool	ac-ft(in.) 4,689 (0.04*)
Buffer Pool (Flood Season)	ac-ft(in.) 8,437 (0.07*)
(Non-flood Season) ..	ac-ft(in.) 25,760 (0.2*)
Spillway Crest	ac-ft(in.) 187,700 (1.50*)
Revised Standard Project Flood Level (1969) ..	ac-ft(in.) 283,414 (2.36*)
Spillway Design Surcharge Level (1941).....	ac-ft(in.) 295,581 (2.46*)
Top of Dam	ac-ft(in.) 383,500 (3.10*)
Revised Probable Maximum Flood Level (1969).....	ac-ft(in.) 436,000 (3.62**) **
Allowance for Sediment (50-year) ..	ac-ft(in.) 12,000 (0.10*)
Dam: - Type	
	Earth-fill
Height above Original Streambed	ft. 106
Top Length	ft. 2,280
Top Width.....	ft. 30
Design Freeboard (1941) ..	ft. 10
Spillway: - Type.....	
	Ungated Ogee
Crest Length	ft. 1,000
Design Surcharge/Discharge (1941).....	ft/cfs 13/181,000
Outlets:	
Uncontrolled (Note: Both uncontrolled outlets are plugged)	
Controlled	
Gate Type.....	Vertical Lift
Number and Size.....	6 - 7'W x 12'H
Entrance Invert Elevation	ft., m.s.l. 460
Conduits	
Number and Size.....	2 - 13.5'W x 13.5'H
Length.....	ft., m.s.l. 750
Maximum Capacity at Spillway Crest	cfs 17,000
Maximum Regulated Reservoir Release	cfs 5,000
Revised Standard Project Flood (1969):	
Duration (Inflow).....	days 4
Total Volume	ac-ft(in.) 488,000 (4.05*)
Maximum Water Surface Elevation	ft., m.s.l. 554.59
Inflow Peak.....	cfs 282,000
Outflow Peak	cfs 150,000
Revised Probable Maximum Flood (1969):	
Duration (Inflow).....	days 6**
Total Volume	ac-ft(in.) 1,447,000 (12.24**) **
Maximum Water Surface Elevation	ft., m.s.l. 570.3**
Inflow Peak.....	cfs 670,000**
Outflow Peak	cfs 603,000**
Historic Maximums:	
Maximum Discharge on Record.....	cfs 5,992
Date	2-22-80
Maximum Water Surface Elevation	ft., m.s.l. (ac-ft) 528.0 (111,316)
Date	2-22-80

* Inches of Runoff over Watershed
** Note: Dam is Over-topped

FIGURE 3-1. NEW PRADO DAM EMBANKMENT AND OUTLET WORKS CONSTRUCTION SCHEDULE

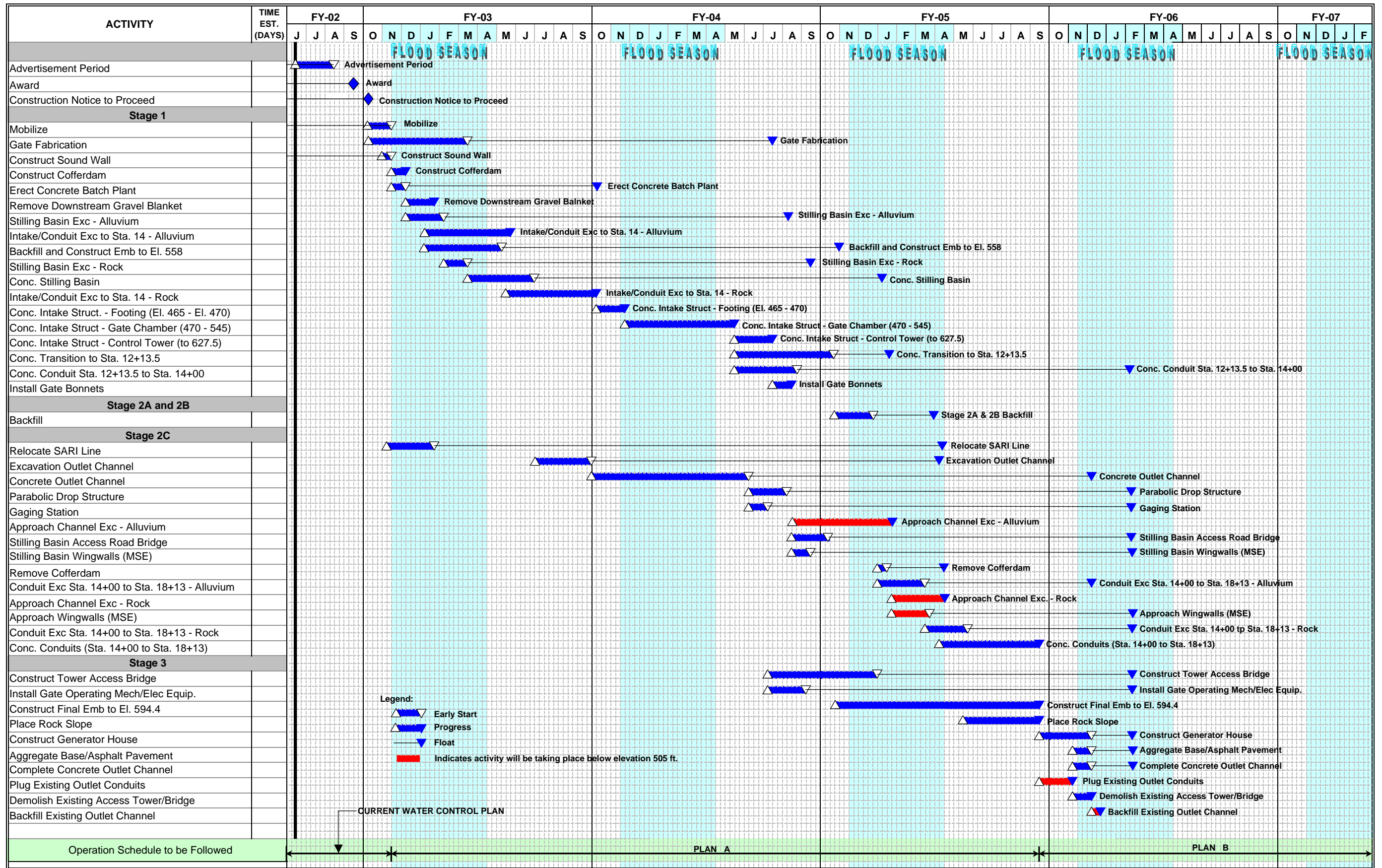
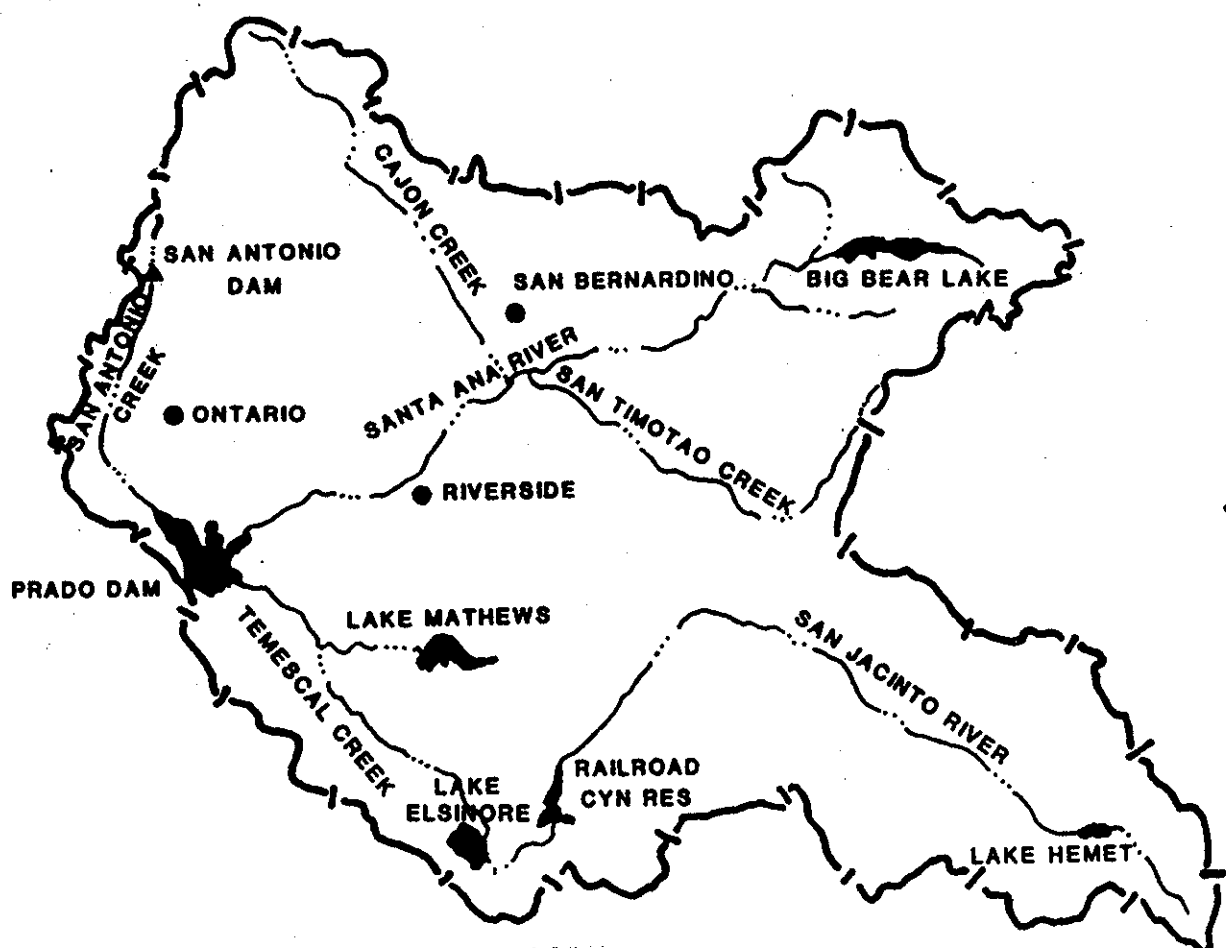


FIGURE 3-1

Notes:

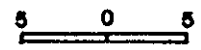
1. During the construction period when "PLAN A" will be followed, operation of the dam will be performed by using the existing outlet works and the height of the dam's embankment limited by the height of the coffer dam (El 525 ft).
2. During the construction period when "PLAN B" will be followed, operation of the dam will be performed by using the new outlet works and the dam's embankment restored back up to elevation 566 ft.
3. Construction years shown in this figure are independent from construction years shown on Figure 3-2.



LEGEND

 BOUNDARY OF DRAINAGE AREA

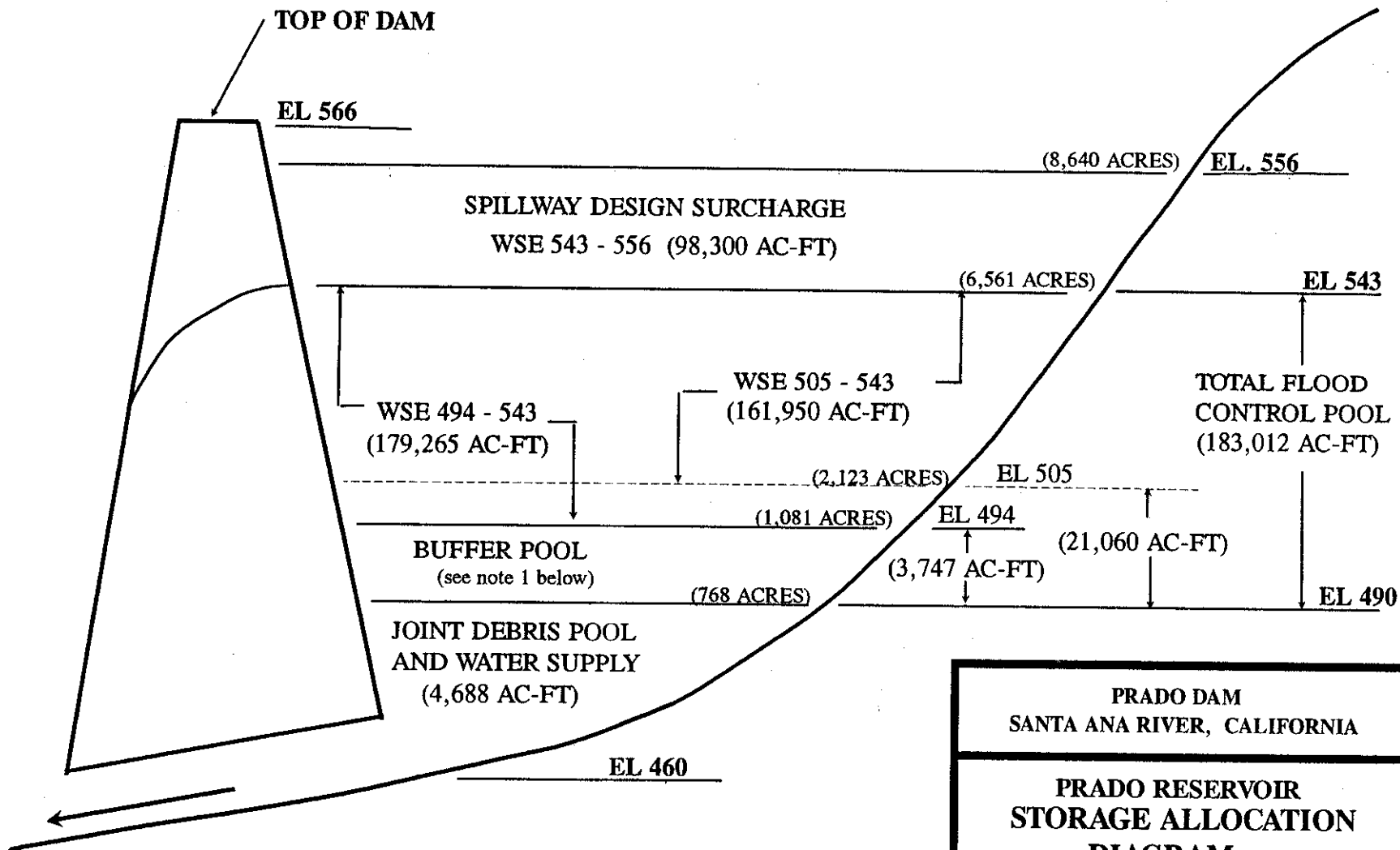
 EXISTING RESERVOIR



SCALE IN MILES

**PRADO DAM
DRAINAGE AREA**

U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT



NOTES:

1. BUFFER POOL - EL 494 DURING FLOOD SEASON (1 OCT - 28 FEB)
 - EL 505 DURING NON FLOOD SEASON (1 MAR - 30 SEP)
2. AREA AND STORAGE FIGURES - BASED ON 1988 RESERVOIR SURVEY.

PRADO DAM
SANTA ANA RIVER, CALIFORNIA

PRADO RESERVOIR
STORAGE ALLOCATION
DIAGRAM

U. S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT

Table 3-3

**Elevations of Sites/Facilities at
Prado Reservoir**

Description	Elevation (ft)
OUTLET INVERT	** 460 **
Least Bell's vireo Nesting Habitat	460 - 566
Archeological and Historic Sites	480 - 566
Raahauge's Hunting Club Club House	485 - 525 611
Splatter S Duck Club Club House	485 520 520
TOP OF DEBRIS POOL	** 490 **
Prado Recreation, Inc. (Dog Training Facility) Kennel/Trailer	490 - 504 554
Oil Wells	492 - 508
TOP OF BUFFER POOL	** 494 **
El Prado Golf Course Club House	510 - 567 554
City of Corona Municipal Airport	514 - 534
Tiro Shooting Range	516 - 518
Prado Regional Park (San Bernardino Co.) Camping Area	520 - 560 550 - 552
Archery Range	520 - 560
Prado Basin Park (Developed Area) Riverside Co. Interpretation Center	525 - 573 573
Butterfield Park (City of Corona) Bandini Adobe	527 - 550 534
Kobe Power Fluid Station	536
Chino Basin Water District (Waste Water Treatment Plant #2)	537 - 546
City of Corona Waste Water Percolation Ponds (Perimeter Levee)	540
SPILLWAY CREST	** 543 **
12 Unauthorized Dwellings	550 - 554
City of Corona Waste Water Treatment Plant (Road Entrance)	556
Oil Treating Facilities	560
California Institution for Women (State Prison)	560 - 572
Yorba Slaughter Adobe	560.2
2 Dwellings within the Corona National Tract	561 - 566
TOP OF DAM	** 566 **

1988 SURVEY

Prado Dam

ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
467.0	0	0	0	0	0	0	0	0	0	0
467.1	0	0	0	0	0	0	0	0	0	0
467.2	0	0	0	0	0	0	0	0	0	0
467.3	0	0	0	0	0	0	0	0	0	0
467.4	0	0	0	0	0	0	0	0	0	0
467.5	0	0	0	0	0	0	0	0	0	0
467.6	0	0	0	0	0	0	0	0	0	0
467.7	0	0	0	0	0	0	0	0	0	0
467.8	0	0	0	0	0	0	0	0	0	0
467.9	0	0	0	0	0	0	0	0	0	0
468.0	0	0	0	0	0	0	0	0	0	0
468.1	0	0	0	0	0	0	0	1	1	1
468.2	1	1	1	1	1	1	1	1	1	1
468.3	1	1	1	1	1	1	1	1	1	1
468.4	1	1	1	1	1	1	1	1	1	1
468.5	1	1	1	1	1	1	1	2	2	2
468.6	2	2	2	2	2	2	2	2	2	2
468.7	2	2	2	2	2	2	2	2	2	2
468.8	2	2	2	2	2	2	2	2	2	2
468.9	3	3	3	3	3	3	3	3	3	3
469.0	3	3	3	3	3	3	3	3	3	3
469.1	3	3	3	3	3	3	3	3	3	4
469.2	4	4	4	4	4	4	4	4	4	4
469.3	4	4	4	4	4	4	4	4	4	4
469.4	4	4	4	4	4	5	5	5	5	5

1988 SURVEY		Prado Dam									CAP
ELEV FEET	AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09	CAP
469.5	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4
469.6	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4	5 4	6 4
469.7	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4
469.8	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4
469.9	6 4	6 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4
470.0	7 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4	7 4
470.1	7 4	7 5	7 5	8 5	8 5	8 5	8 5	8 5	8 5	8 5	8 5
470.2	8 5	8 5	8 5	8 5	8 5	8 5	8 5	8 5	8 5	8 5	8 5
470.3	8 5	8 5	9 5	9 5	9 5	9 5	9 5	9 5	9 5	9 5	9 5
470.4	9 5	9 5	9 5	9 5	9 6	9 6	9 6	9 6	9 6	9 6	10 6
470.5	10 6	10 6	10 6	10 6	10 6	10 6	10 6	10 6	10 6	10 6	10 6
470.6	10 6	10 6	10 6	10 6	11 6	11 6	11 6	11 6	11 6	11 6	11 6
470.7	11 6	11 6	11 6	11 6	11 6	11 7	11 7	11 7	11 7	11 7	12 7
470.8	12 7	12 7	12 7	12 7	12 7	12 7	12 7	12 7	12 7	12 7	12 7
470.9	12 7	12 7	13 7	13 7	13 7	13 7	13 7	13 7	13 7	13 7	13 7
471.0	13 7	13 7	13 7	13 7	13 7	14 8	14 8	14 8	14 8	14 8	14 8
471.1	14 8	14 8	14 8	14 8	14 8	14 8	14 8	15 8	15 8	15 8	15 8
471.2	15 8	15 8	15 8	15 8	15 8	15 8	15 8	15 8	15 8	15 8	16 8
471.3	16 8	16 8	16 8	16 8	16 8	16 8	16 8	16 8	16 8	16 8	16 8
471.4	16 8	17 8	17 8	17 8	17 8	17 8	17 8	17 8	17 8	17 8	17 8
471.5	17 8	17 8	18 8	18 8	18 8	18 8	18 8	18 9	18 9	18 9	18 9
471.6	18 9	18 9	18 9	19 9	19 9	19 9	19 9	19 9	19 9	19 9	19 9
471.7	19 9	19 9	19 9	19 9	20 9	20 9	20 9	20 9	20 9	20 9	20 9
471.8	20 9	20 9	20 9	20 9	20 9	21 9	21 9	21 9	21 9	21 9	21 9
471.9	21 9	21 9	21 9	21 9	21 9	22 9	22 9	22 9	22 9	22 9	22 9

1988 SURVEY	Prado Dam									
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
472.0	22 9	22 9	22 9	22 9	22 9	23 10	23 10	23 10	23 10	23 10
472.1	23 10	23 10	23 10	23 10	23 10	24 10	24 10	24 10	24 10	24 10
472.2	24 10	24 10	24 10	24 10	24 10	25 10	25 10	25 10	25 10	25 10
472.3	25 10	25 10	25 10	25 10	26 10	26 10	26 10	26 10	26 10	26 10
472.4	26 11	26 11	26 11	27 11	27 11	27 11	27 11	27 11	27 11	27 11
472.5	27 11	27 11	28 11	28 11	28 11	28 11	28 11	28 11	28 11	28 11
472.6	28 11	29 11	29 11	29 11	29 11	29 11	29 11	29 11	29 11	30 11
472.7	30 11	30 11	30 11	30 12	30 12	30 12	30 12	30 12	31 12	31 12
472.8	31 12	31 12	31 12	31 12	31 12	31 12	32 12	32 12	32 12	32 12
472.9	32 12	32 12	32 12	32 12	33 12	33 12	33 12	33 12	33 12	33 12
473.0	33 12	33 12	34 12	34 12	34 12	34 13	34 13	34 13	34 13	35 13
473.1	35 13	35 13	35 13	35 13	35 13	35 13	35 13	36 13	36 13	36 13
473.2	36 13	36 13	36 13	36 13	37 13	37 13	37 13	37 13	37 13	37 13
473.3	37 13	38 13	38 13	38 14	38 14	38 14	38 14	38 14	38 14	39 14
473.4	39 14	39 14	39 14	39 14	39 14	39 14	40 14	40 14	40 14	40 14
473.5	40 14	40 14	41 14	41 14	41 14	41 14	41 14	41 14	41 14	42 14
473.6	42 15	42 15	42 15	42 15	42 15	42 15	43 15	43 15	43 15	43 15
473.7	43 15	43 15	44 15	44 15	44 15	44 15	44 15	44 15	44 15	45 15
473.8	45 15	45 15	45 15	45 15	45 15	46 15	46 16	46 16	46 16	46 16
473.9	46 16	47 16	47 16	47 16	47 16	47 16	47 16	48 16	48 16	48 16
474.0	48 16	48 16	48 16	49 16	49 16	49 17	49 17	49 17	49 17	50 17
474.1	50 17	50 17	50 17	50 17	50 18	51 18	51 18	51 18	51 18	51 18
474.2	52 18	52 18	52 18	52 19	52 19	52 19	53 19	53 19	53 19	53 19
474.3	53 19	54 19	54 20	54 20	54 20	54 20	55 20	55 20	55 20	55 20
474.4	56 20	56 21	56 21	56 21	56 21	57 21	57 21	57 21	57 21	57 21

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
474.5	58	58	58	58	59	59	59	59	59	60
	22	22	22	22	22	22	22	22	23	23
474.6	60	60	60	61	61	61	61	62	62	62
	23	23	23	23	23	23	24	24	24	24
474.7	62	63	63	63	63	64	64	64	64	65
	24	24	24	24	25	25	25	25	25	25
474.8	65	65	65	66	66	66	66	67	67	67
	25	25	26	26	26	26	26	26	26	26
474.9	67	68	68	68	69	69	69	69	70	70
	27	27	27	27	27	27	27	28	28	28
475.0	70	71	71	71	71	72	72	72	73	73
	28	28	28	28	28	28	28	28	28	29
475.1	73	73	74	74	74	75	75	75	75	76
	29	29	29	29	29	29	29	29	29	29
475.2	76	76	77	77	77	78	78	78	78	79
	29	29	29	30	30	30	30	30	30	30
475.3	79	79	80	80	80	81	81	81	82	82
	30	30	30	30	30	30	30	30	31	31
475.4	82	82	83	83	83	84	84	84	85	85
	31	31	31	31	31	31	31	31	31	31
475.5	85	86	86	86	87	87	87	88	88	88
	31	31	32	32	32	32	32	32	32	32
475.6	89	89	89	90	90	90	91	91	91	92
	32	32	32	32	32	32	33	33	33	33
475.7	92	92	93	93	93	94	94	94	95	95
	33	33	33	33	33	33	33	33	33	34
475.8	95	96	96	96	97	97	97	98	98	98
	34	34	34	34	34	34	34	34	34	34
475.9	99	99	99	100	100	100	101	101	102	102
	34	34	34	35	35	35	35	35	35	35
476.0	102	103	103	103	104	104	104	105	105	106
	35	35	35	36	36	36	36	36	36	37
476.1	106	106	107	107	107	108	108	109	109	109
	37	37	37	37	38	38	38	38	38	38
476.2	110	110	110	111	111	112	112	112	113	113
	39	39	39	39	39	39	40	40	40	40
476.3	114	114	115	115	115	116	116	117	117	117
	40	41	41	41	41	41	41	42	42	42
476.4	118	118	119	119	120	120	120	121	121	122
	42	42	43	43	43	43	43	44	44	44
476.5	122	123	123	124	124	124	125	125	126	126
	44	44	44	45	45	45	45	45	46	46
476.6	127	127	128	128	129	129	130	130	131	131
	46	46	46	47	47	47	47	47	48	48
476.7	132	132	133	133	134	134	134	135	135	136
	48	48	48	49	49	49	49	49	50	50
476.8	136	137	138	138	139	139	140	140	141	141
	50	50	50	51	51	51	51	51	52	52
476.9	142	142	143	143	144	144	145	145	146	146
	52	52	52	53	53	53	53	53	54	54

1988 SURVEY		Prado Dam								
ELEV FEET	AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
477.0	147 54	148 54	148 54	149 54	149 55	150 55	150 55	151 55	151 55	152 55
477.1	153 55	153 55	154 55	154 56	155 56	155 56	156 56	156 56	157 56	158 56
477.2	158 56	159 57	159 57	160 57	160 57	161 57	162 57	162 57	163 57	163 57
477.3	164 58	164 58	165 58	166 58	166 58	167 58	167 58	168 58	169 58	169 59
477.4	170 59	170 59	171 59	172 59	172 59	173 59	173 59	174 60	175 60	175 60
477.5	176 60	176 60	177 60	178 60	178 60	179 61	179 61	180 61	181 61	181 61
477.6	182 61	182 61	183 61	184 61	184 62	185 62	186 62	186 62	187 62	187 62
477.7	188 62	189 62	189 63	190 63	191 63	191 63	192 63	192 63	193 63	194 63
477.8	194 64	195 64	196 64	196 64	197 64	198 64	198 64	199 64	200 64	200 65
477.9	201 65	202 65	202 65	203 65	203 65	204 65	205 65	205 66	206 66	207 66
478.0	207 66	208 66	209 67	209 67	210 68	211 68	212 68	212 69	213 69	214 69
478.1	214 70	215 70	216 71	216 71	217 71	218 72	219 72	219 73	220 73	221 73
478.2	222 74	222 74	223 75	224 75	225 75	225 76	226 76	227 77	228 77	228 77
478.3	229 78	230 78	231 79	232 79	232 79	233 80	234 80	235 81	236 81	236 81
478.4	237 82	238 82	239 83	240 83	241 84	241 84	242 84	243 85	244 85	245 86
478.5	246 86	246 86	247 87	248 87	249 88	250 88	251 89	252 89	253 90	254 90
478.6	254 90	255 91	256 91	257 92	258 92	259 93	260 93	261 93	262 94	263 94
478.7	264 95	265 95	266 96	267 96	268 97	269 97	270 98	271 98	272 98	273 99
478.8	274 99	275 100	276 100	277 101	278 101	279 102	280 102	281 103	282 103	283 104
478.9	284 104	285 105	286 105	287 105	288 106	289 106	290 107	291 107	292 108	293 108
479.0	294 109	296 109	297 109	298 109	299 110	300 110	301 110	302 110	303 110	304 110
479.1	305 111	307 111	308 111	309 111	310 111	311 112	312 112	313 112	314 112	316 112
479.2	317 113	318 113	319 113	320 113	321 113	322 113	323 114	325 114	326 114	327 114
479.3	328 114	329 115	330 115	332 115	333 115	334 115	335 116	336 116	337 116	338 116
479.4	340 116	341 116	342 117	343 117	344 117	346 117	347 117	348 118	349 118	350 118

1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
479.5	351	353	354	355	356	357	359	360	361	362
	118	118	119	119	119	119	119	120	120	120
479.6	363	365	366	367	368	369	371	372	373	374
	120	120	121	121	121	121	121	122	122	122
479.7	376	377	378	379	380	382	383	384	385	387
	122	122	123	123	123	123	123	123	124	124
479.8	388	389	390	392	393	394	395	397	398	399
	124	124	124	125	125	125	125	125	126	126
479.9	400	402	403	404	406	407	408	409	411	412
	126	126	126	127	127	127	127	127	128	128
480.0	413	414	416	417	418	420	421	422	424	425
	128	129	129	130	130	131	132	132	133	133
480.1	426	428	429	430	432	433	435	436	437	439
	134	134	135	136	136	137	137	138	139	139
480.2	440	441	443	444	446	447	449	450	451	453
	140	140	141	142	142	143	143	144	145	145
480.3	454	456	457	459	460	462	463	465	466	468
	146	146	147	148	148	149	149	150	151	151
480.4	469	471	472	474	475	477	479	480	482	483
	152	153	153	154	154	155	156	156	157	158
480.5	485	486	488	490	491	493	495	496	498	499
	158	159	160	160	161	161	162	163	163	164
480.6	501	503	504	506	508	509	511	513	514	516
	165	165	166	167	167	168	169	169	170	171
480.7	518	520	521	523	525	527	528	530	532	534
	171	172	173	173	174	175	175	176	177	177
480.8	535	537	539	541	543	544	546	548	550	552
	178	179	179	180	181	181	182	183	183	184
480.9	554	555	557	559	561	563	565	567	569	571
	185	185	186	187	187	188	189	190	190	191
481.0	572	574	576	578	580	582	584	586	588	590
	192	192	192	192	193	193	193	194	194	194
481.1	592	594	596	598	600	602	604	606	607	609
	194	195	195	195	196	196	196	196	197	197
481.2	611	613	615	617	619	621	623	625	627	629
	197	198	198	198	198	199	199	199	200	200
481.3	631	633	635	637	639	641	643	645	648	650
	200	201	201	201	201	202	202	202	203	203
481.4	652	654	656	658	660	662	664	666	668	670
	203	203	204	204	204	205	205	205	206	206
481.5	672	674	676	678	680	682	685	687	689	691
	206	206	207	207	207	208	208	208	209	209
481.6	693	695	697	699	701	703	706	708	710	712
	209	209	210	210	210	211	211	211	212	212
481.7	714	716	718	720	723	725	727	729	731	733
	212	212	213	213	213	214	214	214	215	215
481.8	735	738	740	742	744	746	748	751	753	755
	215	215	216	216	216	217	217	217	218	218
481.9	757	759	761	764	766	768	770	772	775	777
	218	218	219	219	219	220	220	220	221	221

1988 SURVEY

Prado Dam

ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
482.0	779 221	781 222	784 222	786 223	788 224	790 224	793 225	795 225	797 226	799 227
482.1	802 227	804 228	806 228	808 229	811 230	813 230	815 231	818 231	820 232	822 233
482.2	825 233	827 234	829 234	832 235	834 236	836 236	839 237	841 237	844 238	846 239
482.3	848 239	851 240	853 240	856 241	858 242	860 242	863 243	865 243	868 244	870 245
482.4	873 245	875 246	878 247	880 247	882 248	885 248	887 249	890 250	892 250	895 251
482.5	897 252	900 252	903 253	905 253	908 254	910 255	913 255	915 256	918 257	920 257
482.6	923 258	926 258	928 259	931 260	933 260	936 261	939 262	941 262	944 263	947 264
482.7	949 264	952 265	954 265	957 266	960 267	962 267	965 268	968 269	971 269	973 270
482.8	976 271	979 271	981 272	984 273	987 273	990 274	992 275	995 275	998 276	1001 277
482.9	1004 277	1007 278	1009 278	1012 279	1015 280	1018 280	1021 281	1023 282	1026 282	1029 283
483.0	1032 284	1035 284	1038 284	1040 285	1043 285	1046 285	1049 286	1052 286	1055 286	1058 287
483.1	1061 287	1063 287	1066 288	1069 288	1072 288	1075 289	1078 289	1081 289	1084 290	1087 290
483.2	1089 290	1092 291	1095 291	1098 291	1101 292	1104 292	1107 292	1110 293	1113 293	1116 294
483.3	1119 294	1122 294	1125 295	1128 295	1130 295	1133 296	1136 296	1139 296	1142 297	1145 297
483.4	1148 297	1151 298	1154 298	1157 298	1160 299	1163 299	1166 299	1169 300	1172 300	1175 300
483.5	1178 301	1181 301	1184 301	1187 302	1190 302	1193 302	1196 303	1199 303	1202 303	1205 304
483.6	1209 304	1212 304	1215 305	1218 305	1221 306	1224 306	1227 306	1230 307	1233 307	1236 307
483.7	1239 308	1242 308	1245 308	1248 309	1252 309	1255 309	1258 310	1261 310	1264 310	1267 311
483.8	1270 311	1273 311	1276 312	1279 312	1283 312	1286 313	1289 313	1292 314	1295 314	1298 314
483.9	1301 315	1305 315	1308 315	1311 316	1314 316	1317 316	1320 317	1324 317	1327 317	1330 318
484.0	1333 318	1336 319	1340 320	1343 321	1346 322	1349 323	1352 324	1356 325	1359 326	1362 327
484.1	1366 329	1369 330	1372 331	1375 332	1379 333	1382 334	1385 335	1389 336	1392 337	1396 338
484.2	1399 339	1402 340	1406 341	1409 342	1413 343	1416 344	1420 345	1423 346	1426 348	1430 349
484.3	1433 350	1437 351	1440 352	1444 353	1448 354	1451 355	1455 356	1458 357	1462 358	1465 359
484.4	1469 361	1473 362	1476 363	1480 364	1484 365	1487 366	1491 367	1495 368	1498 369	1502 370

1988 SURVEY

Prado Dam

ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
484.5	1506 372	1509 373	1513 374	1517 375	1521 376	1524 377	1528 378	1532 379	1536 381	1540 382
484.6	1543 383	1547 384	1551 385	1555 386	1559 387	1563 388	1567 390	1571 391	1574 392	1578 393
484.7	1582 394	1586 395	1590 396	1594 398	1598 399	1602 400	1606 401	1610 402	1614 403	1618 404
484.8	1622 406	1626 407	1630 408	1635 409	1639 410	1643 411	1647 413	1651 414	1655 415	1659 416
484.9	1664 417	1668 418	1672 420	1676 421	1680 422	1685 423	1689 424	1693 426	1697 427	1702 428
485.0	1706 429	1710 429	1714 430	1719 430	1723 431	1727 431	1732 431	1736 432	1740 432	1745 433
485.1	1749 433	1753 433	1758 434	1762 434	1766 435	1771 435	1775 435	1779 436	1784 436	1788 437
485.2	1793 437	1797 437	1801 438	1806 438	1810 438	1814 439	1819 439	1823 440	1828 440	1832 440
485.3	1837 441	1841 441	1845 442	1850 442	1854 442	1859 443	1863 443	1868 444	1872 444	1876 444
485.4	1881 445	1885 445	1890 446	1894 446	1899 446	1903 447	1908 447	1912 448	1917 448	1921 448
485.5	1926 449	1930 449	1935 450	1939 450	1944 450	1948 451	1953 451	1957 452	1962 452	1966 452
485.6	1971 453	1975 453	1980 454	1984 454	1989 454	1993 455	1998 455	2003 456	2007 456	2012 456
485.7	2016 457	2021 457	2025 458	2030 458	2035 458	2039 459	2044 459	2048 460	2053 460	2058 461
485.8	2062 461	2067 461	2071 462	2076 462	2081 463	2085 463	2090 463	2095 464	2099 464	2104 465
485.9	2109 465	2113 465	2118 466	2123 466	2127 467	2132 467	2137 467	2141 468	2146 468	2151 469
486.0	2155 469	2160 470	2165 471	2169 472	2174 473	2179 474	2184 475	2188 476	2193 477	2198 478
486.1	2203 479	2208 480	2212 481	2217 482	2222 483	2227 484	2232 485	2237 486	2241 487	2246 488
486.2	2251 489	2256 490	2261 491	2266 492	2271 493	2276 494	2281 495	2286 496	2291 497	2296 498
486.3	2301 499	2306 500	2311 501	2316 502	2321 503	2326 504	2331 505	2336 506	2341 507	2346 508
486.4	2351 509	2356 510	2361 511	2366 512	2371 513	2377 514	2382 515	2387 516	2392 517	2397 518
486.5	2402 519	2408 520	2413 521	2418 522	2423 523	2429 524	2434 525	2439 526	2444 527	2450 528
486.6	2455 529	2460 530	2465 531	2471 532	2476 533	2481 534	2487 535	2492 536	2498 537	2503 538
486.7	2508 540	2514 541	2519 542	2525 543	2530 544	2535 545	2541 546	2546 547	2552 548	2557 549
486.8	2563 550	2568 551	2574 552	2579 553	2585 554	2591 555	2596 556	2602 557	2607 558	2613 559
486.9	2618 561	2624 562	2630 563	2635 564	2641 565	2647 566	2652 567	2658 568	2664 569	2669 570

1988 SURVEY

Prado Dam

ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
487.0	2675 571	2681 572	2687 572	2692 572	2698 573	2704 573	2709 574	2715 574	2721 575	2727 575
487.1	2732 576	2738 576	2744 576	2750 577	2756 577	2761 578	2767 578	2773 579	2779 579	2784 580
487.2	2790 580	2796 580	2802 581	2808 581	2814 582	2819 582	2825 583	2831 583	2837 584	2843 584
487.3	2849 584	2854 585	2860 585	2866 586	2872 586	2878 587	2884 587	2890 588	2896 588	2901 588
487.4	2907 589	2913 589	2919 590	2925 590	2931 591	2937 591	2943 592	2949 592	2955 593	2961 593
487.5	2966 593	2972 594	2978 594	2984 595	2990 595	2996 596	3002 596	3008 597	3014 597	3020 597
487.6	3026 598	3032 598	3038 599	3044 599	3050 600	3056 600	3062 601	3068 601	3074 602	3080 602
487.7	3086 602	3092 603	3098 603	3104 604	3110 604	3116 605	3122 605	3128 606	3135 606	3141 607
487.8	3147 607	3153 607	3159 608	3165 608	3171 609	3177 609	3183 610	3189 610	3195 611	3202 611
487.9	3208 612	3214 612	3220 612	3226 613	3232 613	3238 614	3244 614	3251 615	3257 615	3263 616
488.0	3269 616	3275 617	3281 618	3288 619	3294 620	3300 622	3306 623	3313 624	3319 625	3325 626
488.1	3331 627	3338 628	3344 629	3350 630	3356 631	3363 632	3369 633	3375 635	3382 636	3388 637
488.2	3395 638	3401 639	3407 640	3414 641	3420 642	3427 643	3433 644	3440 646	3446 647	3452 648
488.3	3459 649	3465 650	3472 651	3478 652	3485 653	3492 654	3498 655	3505 657	3511 658	3518 659
488.4	3524 660	3531 661	3538 662	3544 663	3551 664	3558 665	3564 667	3571 668	3578 669	3584 670
488.5	3591 671	3598 672	3604 673	3611 674	3618 675	3625 677	3632 678	3638 679	3645 680	3652 681
488.6	3659 682	3666 683	3672 685	3679 686	3686 687	3693 688	3700 689	3707 690	3714 691	3721 692
488.7	3728 694	3735 695	3741 696	3748 697	3755 698	3762 699	3769 700	3776 702	3783 703	3790 704
488.8	3798 705	3805 706	3812 707	3819 708	3826 710	3833 711	3840 712	3847 713	3854 714	3861 715
488.9	3869 717	3876 718	3883 719	3890 720	3897 721	3905 722	3912 723	3919 725	3926 726	3934 727
489.0	3941 728	3948 728	3956 729	3963 729	3970 730	3977 730	3985 730	3992 731	3999 731	4007 732
489.1	4014 732	4021 732	4029 733	4036 733	4043 734	4051 734	4058 734	4065 735	4073 735	4080 735
489.2	4087 736	4095 736	4102 737	4110 737	4117 737	4124 738	4132 738	4139 739	4146 739	4154 739
489.3	4161 740	4169 740	4176 741	4183 741	4191 741	4198 742	4206 742	4213 743	4221 743	4228 743
489.4	4236 744	4243 744	4250 745	4258 745	4265 745	4273 746	4280 746	4288 746	4295 747	4303 747

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
489.5	4310	4318	4325	4333	4340	4348	4355	4363	4370	4378
	748	748	748	749	749	750	750	750	751	751
489.6	4385	4393	4400	4408	4415	4423	4430	4438	4445	4453
	752	752	752	753	753	754	754	754	755	755
489.7	4461	4468	4476	4483	4491	4498	4506	4514	4521	4529
	756	756	756	757	757	758	758	758	759	759
489.8	4536	4544	4552	4559	4567	4574	4582	4590	4597	4605
	760	760	760	761	761	762	762	762	763	763
489.9	4613	4620	4628	4636	4643	4651	4658	4666	4674	4681
	764	764	764	765	765	766	766	766	767	767
490.0	4689	4697	4705	4712	4720	4728	4735	4743	4751	4759
	768	769	770	771	772	773	774	775	776	777
490.1	4766	4774	4782	4790	4798	4806	4813	4821	4829	4837
	778	779	780	781	782	783	784	785	786	787
490.2	4845	4853	4861	4869	4876	4884	4892	4900	4908	4916
	788	789	790	791	792	793	794	795	796	797
490.3	4924	4932	4940	4948	4956	4964	4972	4980	4988	4996
	798	799	800	801	802	803	804	805	807	808
490.4	5005	5013	5021	5029	5037	5045	5053	5061	5070	5078
	809	810	811	812	813	814	815	816	817	818
490.5	5086	5094	5102	5111	5119	5127	5135	5144	5152	5160
	819	820	821	822	823	824	825	826	827	828
490.6	5168	5177	5185	5193	5202	5210	5218	5227	5235	5244
	829	830	832	833	834	835	836	837	838	839
490.7	5252	5260	5269	5277	5286	5294	5303	5311	5320	5328
	840	841	842	843	844	845	846	847	848	850
490.8	5337	5345	5354	5362	5371	5379	5388	5396	5405	5414
	851	852	853	854	855	856	857	858	859	860
490.9	5422	5431	5439	5448	5457	5465	5474	5483	5491	5500
	861	862	863	864	866	867	868	869	870	871
491.0	5509	5518	5526	5535	5544	5553	5561	5570	5579	5588
	872	872	873	873	874	874	875	875	876	876
491.1	5596	5605	5614	5623	5632	5640	5649	5658	5667	5676
	877	877	878	878	878	879	879	880	880	881
491.2	5684	5693	5702	5711	5720	5728	5737	5746	5755	5764
	881	882	882	883	883	884	884	885	885	886
491.3	5773	5782	5791	5799	5808	5817	5826	5835	5844	5853
	886	887	887	887	888	888	889	889	890	890
491.4	5862	5871	5879	5888	5897	5906	5915	5924	5933	5942
	891	891	892	892	893	893	894	894	895	895
491.5	5951	5960	5969	5978	5987	5996	6005	6014	6023	6032
	896	896	897	897	897	898	898	899	899	900
491.6	6041	6050	6059	6068	6077	6086	6095	6104	6113	6122
	900	901	901	902	902	903	903	904	904	905
491.7	6131	6140	6149	6158	6167	6177	6186	6195	6204	6213
	905	906	906	907	907	908	908	908	909	909
491.8	6222	6231	6240	6249	6258	6268	6277	6286	6295	6304
	910	910	911	911	912	912	913	913	914	914
491.9	6313	6322	6332	6341	6350	6359	6368	6377	6387	6396
	915	915	916	916	917	917	918	918	919	919

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

492.0	6405 920	6414 921	6423 922	6433 923	6442 924	6451 925	6460 926	6470 927	6479 928	6488 929
492.1	6498 931	6507 932	6516 933	6526 934	6535 935	6544 936	6554 937	6563 938	6572 939	6582 940
492.2	6591 942	6601 943	6610 944	6620 945	6629 946	6638 947	6648 948	6657 949	6667 950	6676 951
492.3	6686 953	6696 954	6705 955	6715 956	6724 957	6734 958	6743 959	6753 960	6763 961	6772 963
492.4	6782 964	6792 965	6801 966	6811 967	6821 968	6830 969	6840 970	6850 971	6859 973	6869 974

492.5	6879 975	6889 976	6898 977	6908 978	6918 979	6928 980	6938 982	6947 983	6957 984	6967 985
492.6	6977 986	6987 987	6997 988	7007 989	7017 991	7026 992	7036 993	7046 994	7056 995	7066 996
492.7	7076 997	7086 998	7096 1000	7106 1001	7116 1002	7126 1003	7136 1005	7146 1006	7156 1007	7166 1008
492.8	7177 1009	7187 1010	7197 1011	7207 1013	7217 1014	7227 1015	7237 1016	7247 1017	7258 1018	7268 1019
492.9	7278 1021	7288 1022	7298 1023	7309 1024	7319 1025	7329 1026	7339 1027	7350 1029	7360 1030	7370 1031

493.0	7381 1032	7391 1032	7401 1033	7412 1033	7422 1034	7432 1034	7443 1035	7453 1035	7463 1036	7474 1036
493.1	7484 1037	7494 1037	7505 1038	7515 1038	7526 1039	7536 1039	7546 1040	7557 1040	7567 1041	7578 1041
493.2	7588 1042	7598 1042	7609 1043	7619 1043	7630 1044	7640 1044	7651 1045	7661 1045	7672 1046	7682 1046
493.3	7692 1047	7703 1047	7713 1047	7724 1048	7734 1048	7745 1049	7755 1049	7766 1050	7776 1050	7787 1051
493.4	7797 1051	7808 1052	7818 1052	7829 1053	7839 1053	7850 1054	7861 1054	7871 1055	7882 1055	7892 1056

493.5	7903 1056	7913 1057	7924 1057	7934 1058	7945 1058	7956 1059	7966 1059	7977 1060	7987 1060	7998 1061
493.6	8009 1061	8019 1062	8030 1062	8040 1063	8051 1063	8062 1064	8072 1064	8083 1065	8094 1065	8104 1066
493.7	8115 1066	8126 1067	8136 1067	8147 1068	8158 1068	8168 1069	8179 1069	8190 1070	8200 1070	8211 1071
493.8	8222 1071	8233 1071	8243 1072	8254 1072	8265 1073	8275 1073	8286 1074	8297 1074	8308 1075	8318 1075
493.9	8329 1076	8340 1076	8351 1077	8362 1077	8372 1078	8383 1078	8394 1079	8405 1079	8415 1080	8426 1080

494.0	8437 1081	8448 1082	8459 1083	8470 1084	8480 1085	8491 1085	8502 1086	8513 1087	8524 1088	8535 1089
494.1	8546 1090	8557 1091	8567 1092	8578 1093	8589 1094	8600 1094	8611 1095	8622 1096	8633 1097	8644 1098
494.2	8655 1099	8666 1100	8677 1101	8688 1102	8699 1103	8710 1104	8721 1104	8732 1105	8743 1106	8754 1107
494.3	8765 1108	8777 1109	8788 1110	8799 1111	8810 1112	8821 1113	8832 1114	8843 1115	8854 1115	8866 1116
494.4	8877 1117	8888 1118	8899 1119	8910 1120	8921 1121	8933 1122	8944 1123	8955 1124	8966 1125	8978 1126

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
494.5	8989	9000	9011	9023	9034	9045	9057	9068	9079	9091
	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135
494.6	9102	9113	9125	9136	9148	9159	9170	9182	9193	9205
	1136	1137	1138	1138	1139	1140	1141	1142	1143	1144
494.7	9216	9228	9239	9250	9262	9273	9285	9296	9308	9319
	1145	1146	1147	1148	1149	1150	1150	1151	1152	1153
494.8	9331	9343	9354	9366	9377	9389	9400	9412	9424	9435
	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163
494.9	9447	9459	9470	9482	9494	9505	9517	9529	9540	9552
	1164	1164	1165	1166	1167	1168	1169	1170	1171	1172
495.0	9564	9575	9587	9599	9611	9622	9634	9646	9658	9669
	1173	1173	1174	1174	1175	1175	1176	1176	1177	1177
495.1	9681	9693	9705	9717	9728	9740	9752	9764	9776	9787
	1177	1178	1178	1179	1179	1180	1180	1181	1181	1182
495.2	9799	9811	9823	9835	9847	9858	9870	9882	9894	9906
	1182	1183	1183	1184	1184	1185	1185	1185	1186	1186
495.3	9918	9930	9941	9953	9965	9977	9989	10000	10010	10020
	1187	1187	1188	1188	1189	1189	1190	1190	1191	1191
495.4	10040	10050	10060	10070	10080	10100	10110	10120	10130	10140
	1192	1192	1193	1193	1193	1194	1194	1195	1195	1196
495.5	10160	10170	10180	10190	10200	10220	10230	10240	10250	10260
	1196	1197	1197	1198	1198	1199	1199	1200	1200	1201
495.6	10280	10290	10300	10310	10320	10340	10350	10360	10370	10380
	1201	1201	1202	1202	1203	1203	1204	1204	1205	1205
495.7	10400	10410	10420	10430	10440	10460	10470	10480	10490	10500
	1206	1206	1207	1207	1208	1208	1209	1209	1210	1210
495.8	10520	10530	10540	10550	10570	10580	10590	10600	10610	10630
	1210	1211	1211	1212	1212	1213	1213	1214	1214	1215
495.9	10640	10650	10660	10670	10690	10700	10710	10720	10740	10750
	1215	1216	1216	1217	1217	1218	1218	1219	1219	1220
496.0	10760	10770	10780	10800	10810	10820	10830	10850	10860	10870
	1220	1222	1223	1225	1226	1228	1229	1231	1232	1234
496.1	10880	10900	10910	10920	10930	10940	10960	10970	10980	10990
	1235	1237	1238	1240	1242	1243	1245	1246	1248	1249
496.2	11010	11020	11030	11040	11060	11070	11080	11100	11110	11120
	1251	1252	1254	1255	1257	1258	1260	1261	1263	1265
496.3	11130	11150	11160	11170	11180	11200	11210	11220	11230	11250
	1266	1268	1269	1271	1272	1274	1275	1277	1279	1280
496.4	11260	11270	11290	11300	11310	11320	11340	11350	11360	11380
	1282	1283	1285	1286	1288	1289	1291	1293	1294	1296
496.5	11390	11400	11420	11430	11440	11450	11470	11480	11490	11510
	1297	1299	1300	1302	1303	1305	1307	1308	1310	1311
496.6	11520	11530	11550	11560	11570	11590	11600	11610	11630	11640
	1313	1314	1316	1318	1319	1321	1322	1324	1326	1327
496.7	11650	11670	11680	11690	11710	11720	11730	11750	11760	11770
	1329	1330	1332	1333	1335	1337	1338	1340	1341	1343
496.8	11790	11800	11810	11830	11840	11850	11870	11880	11890	11910
	1345	1346	1348	1349	1351	1353	1354	1356	1357	1359
496.9	11920	11930	11950	11960	11980	11990	12000	12020	12030	12040
	1361	1362	1364	1365	1367	1369	1370	1372	1373	1375

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

497.0	12060 1376	12070 1377	12090 1378	12100 1378	12110 1379	12130 1379	12140 1380	12150 1380	12170 1381	12180 1381
497.1	12200 1382	12210 1383	12220 1383	12240 1384	12250 1384	12260 1385	12280 1385	12290 1386	12310 1387	12320 1387
497.2	12330 1388	12350 1388	12360 1389	12380 1389	12390 1390	12400 1390	12420 1391	12430 1392	12450 1392	12460 1393
497.3	12470 1393	12490 1394	12500 1394	12520 1395	12530 1396	12540 1396	12560 1397	12570 1397	12580 1398	12600 1398
497.4	12610 1399	12630 1399	12640 1400	12650 1401	12670 1401	12680 1402	12700 1402	12710 1403	12720 1403	12740 1404

497.5	12750 1405	12770 1405	12780 1406	12800 1406	12810 1407	12820 1407	12840 1408	12850 1409	12870 1409	12880 1410
497.6	12890 1410	12910 1411	12920 1411	12940 1412	12950 1413	12960 1413	12980 1414	12990 1414	13010 1415	13020 1415
497.7	13040 1416	13050 1416	13060 1417	13080 1418	13090 1418	13110 1419	13120 1419	13130 1420	13150 1420	13160 1421
497.8	13180 1422	13190 1422	13210 1423	13220 1423	13230 1424	13250 1424	13260 1425	13280 1426	13290 1426	13310 1427
497.9	13320 1427	13330 1428	13350 1428	13360 1429	13380 1430	13390 1430	13410 1431	13420 1431	13430 1432	13450 1432

498.0	13460 1433	13480 1434	13490 1435	13510 1437	13520 1438	13530 1439	13550 1440	13560 1441	13580 1442	13590 1443
498.1	13610 1445	13620 1446	13640 1447	13650 1448	13660 1449	13680 1450	13690 1451	13710 1453	13720 1454	13740 1455
498.2	13750 1456	13770 1457	13780 1458	13800 1460	13810 1461	13820 1462	13840 1463	13850 1464	13870 1465	13880 1466
498.3	13900 1468	13910 1469	13930 1470	13940 1471	13960 1472	13970 1473	13990 1475	14000 1476	14020 1477	14030 1478
498.4	14050 1479	14060 1480	14070 1482	14090 1483	14100 1484	14120 1485	14130 1486	14150 1487	14160 1489	14180 1490

498.5	14190 1491	14210 1492	14220 1493	14240 1494	14250 1496	14270 1497	14280 1498	14300 1499	14310 1500	14330 1501
498.6	14340 1503	14360 1504	14370 1505	14390 1506	14400 1507	14420 1508	14430 1510	14450 1511	14460 1512	14480 1513
498.7	14490 1514	14510 1515	14520 1517	14540 1518	14550 1519	14570 1520	14590 1521	14600 1523	14620 1524	14630 1525
498.8	14650 1526	14660 1527	14680 1528	14690 1530	14710 1531	14720 1532	14740 1533	14750 1534	14770 1536	14780 1537
498.9	14800 1538	14810 1539	14830 1540	14850 1541	14860 1543	14880 1544	14890 1545	14910 1546	14920 1547	14940 1549

499.0	14950 1550	14970 1550	14980 1550	15000 1551	15020 1551	15030 1552	15050 1552	15060 1553	15080 1553	15090 1553
499.1	15110 1554	15120 1554	15140 1555	15160 1555	15170 1556	15190 1556	15200 1556	15220 1557	15230 1557	15250 1558
499.2	15260 1558	15280 1559	15300 1559	15310 1559	15330 1560	15340 1560	15360 1561	15370 1561	15390 1562	15400 1562
499.3	15420 1562	15440 1563	15450 1563	15470 1564	15480 1564	15500 1565	15510 1565	15530 1565	15550 1566	15560 1566
499.4	15580 1567	15590 1567	15610 1568	15620 1568	15640 1568	15660 1569	15670 1569	15690 1570	15700 1570	15720 1571

1988 SURVEY		Prado Dam									
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	
499.5	15730 1571	15750 1571	15770 1572	15780 1572	15800 1573	15810 1573	15830 1574	15840 1574	15860 1574	15880 1575	
499.6	15890 1575	15910 1576	15920 1576	15940 1577	15950 1577	15970 1578	15990 1578	16000 1578	16020 1579	16030 1579	
499.7	16050 1580	16060 1580	16080 1581	16100 1581	16110 1581	16130 1582	16140 1582	16160 1583	16180 1583	16190 1584	
499.8	16210 1584	16220 1584	16240 1585	16250 1585	16270 1586	16290 1586	16300 1587	16320 1587	16330 1587	16350 1588	
499.9	16370 1588	16380 1589	16400 1589	16410 1590	16430 1590	16450 1590	16460 1591	16480 1591	16490 1592	16510 1592	
500.0	16520 1593	16540 1594	16560 1596	16570 1597	16590 1598	16600 1600	16620 1601	16640 1603	16650 1604	16670 1605	
500.1	16680 1607	16700 1608	16720 1610	16730 1611	16750 1612	16770 1614	16780 1615	16800 1617	16810 1618	16830 1619	
500.2	16850 1621	16860 1622	16880 1624	16890 1625	16910 1626	16930 1628	16940 1629	16960 1631	16980 1632	16990 1633	
500.3	17010 1635	17030 1636	17040 1638	17060 1639	17070 1641	17090 1642	17110 1643	17120 1645	17140 1646	17160 1648	
500.4	17170 1649	17190 1650	17210 1652	17220 1653	17240 1655	17260 1656	17270 1658	17290 1659	17310 1660	17320 1662	
500.5	17340 1663	17360 1665	17370 1666	17390 1668	17410 1669	17420 1670	17440 1672	17460 1673	17470 1675	17490 1676	
500.6	17510 1678	17520 1679	17540 1680	17560 1682	17570 1683	17590 1685	17610 1686	17620 1688	17640 1689	17660 1690	
500.7	17670 1692	17690 1693	17710 1695	17730 1696	17740 1698	17760 1699	17780 1700	17790 1702	17810 1703	17830 1705	
500.8	17840 1706	17860 1708	17880 1709	17900 1711	17910 1712	17930 1713	17950 1715	17960 1716	17980 1718	18000 1719	
500.9	18020 1721	18030 1722	18050 1724	18070 1725	18080 1726	18100 1728	18120 1729	18140 1731	18150 1732	18170 1734	
501.0	18190 1735	18210 1735	18220 1736	18240 1736	18260 1737	18280 1737	18290 1738	18310 1738	18330 1739	18340 1739	
501.1	18360 1740	18380 1740	18400 1741	18410 1741	18430 1742	18450 1742	18470 1743	18480 1743	18500 1744	18520 1744	
501.2	18540 1744	18550 1745	18570 1745	18590 1746	18610 1746	18620 1747	18640 1747	18660 1748	18680 1748	18690 1749	
501.3	18710 1749	18730 1750	18750 1750	18760 1751	18780 1751	18800 1752	18820 1752	18830 1753	18850 1753	18870 1753	
501.4	18890 1754	18900 1754	18920 1755	18940 1755	18960 1756	18970 1756	18990 1757	19010 1757	19030 1758	19040 1758	
501.5	19060 1759	19080 1759	19100 1760	19110 1760	19130 1761	19150 1761	19170 1762	19190 1762	19200 1763	19220 1763	
501.6	19240 1764	19260 1764	19270 1764	19290 1765	19310 1765	19330 1766	19340 1766	19360 1767	19380 1767	19400 1768	
501.7	19410 1768	19430 1769	19450 1769	19470 1770	19490 1770	19500 1771	19520 1771	19540 1772	19560 1772	19570 1773	
501.8	19590 1773	19610 1774	19630 1774	19640 1775	19660 1775	19680 1775	19700 1776	19720 1776	19730 1777	19750 1777	
501.9	19770 1778	19790 1778	19800 1779	19820 1779	19840 1780	19860 1780	19880 1781	19890 1781	19910 1782	19930 1782	

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

502.0	19950 1783	19970 1784	19980 1785	20000 1786	20020 1787	20040 1788	20050 1790	20070 1791	20090 1792	20110 1793
502.1	20130 1794	20140 1795	20160 1796	20180 1797	20200 1799	20220 1800	20230 1801	20250 1802	20270 1803	20290 1804
502.2	20310 1805	20320 1807	20340 1808	20360 1809	20380 1810	20400 1811	20410 1812	20430 1813	20450 1815	20470 1816
502.3	20490 1817	20510 1818	20520 1819	20540 1820	20560 1821	20580 1823	20600 1824	20610 1825	20630 1826	20650 1827
502.4	20670 1828	20690 1829	20710 1831	20720 1832	20740 1833	20760 1834	20780 1835	20800 1836	20820 1837	20830 1839

502.5	20850 1840	20870 1841	20890 1842	20910 1843	20930 1844	20950 1845	20960 1847	20980 1848	21000 1849	21020 1850
502.6	21040 1851	21060 1852	21070 1853	21090 1855	21110 1856	21130 1857	21150 1858	21170 1859	21190 1860	21200 1862
502.7	21220 1863	21240 1864	21260 1865	21280 1866	21300 1867	21320 1868	21340 1870	21350 1871	21370 1872	21390 1873
502.8	21410 1874	21430 1875	21450 1877	21470 1878	21490 1879	21500 1880	21520 1881	21540 1882	21560 1884	21580 1885
502.9	21600 1886	21620 1887	21640 1888	21650 1889	21670 1890	21690 1892	21710 1893	21730 1894	21750 1895	21770 1896

503.0	21790 1897	21810 1898	21830 1899	21840 1899	21860 1900	21880 1901	21900 1901	21920 1902	21940 1902	21960 1903
503.1	21980 1904	22000 1904	22020 1905	22030 1906	22050 1906	22070 1907	22090 1908	22110 1908	22130 1909	22150 1909
503.2	22170 1910	22190 1911	22210 1911	22230 1912	22240 1913	22260 1913	22280 1914	22300 1915	22320 1915	22340 1916
503.3	22360 1916	22380 1917	22400 1918	22420 1918	22440 1919	22460 1920	22470 1920	22490 1921	22510 1922	22530 1922
503.4	22550 1923	22570 1923	22590 1924	22610 1925	22630 1925	22650 1926	22670 1927	22690 1927	22710 1928	22720 1929

503.5	22740 1929	22760 1930	22780 1930	22800 1931	22820 1932	22840 1932	22860 1933	22880 1934	22900 1934	22920 1935
503.6	22940 1936	22960 1936	22980 1937	23000 1938	23010 1938	23030 1939	23050 1939	23070 1940	23090 1941	23110 1941
503.7	23130 1942	23150 1943	23170 1943	23190 1944	23210 1945	23230 1945	23250 1946	23270 1947	23290 1947	23310 1948
503.8	23330 1948	23350 1949	23360 1950	23380 1950	23400 1951	23420 1952	23440 1952	23460 1953	23480 1954	23500 1954
503.9	23520 1955	23540 1956	23560 1956	23580 1957	23600 1957	23620 1958	23640 1959	23660 1959	23680 1960	23700 1961

504.0	23720 1962	23740 1963	23760 1965	23780 1966	23800 1968	23810 1970	23830 1971	23850 1973	23870 1974	23890 1976
504.1	23910 1977	23930 1979	23950 1981	23970 1982	23990 1984	24010 1985	24030 1987	24050 1989	24070 1990	24090 1992
504.2	24110 1993	24130 1995	24150 1997	24170 1998	24190 2000	24210 2001	24230 2003	24250 2005	24270 2006	24290 2008
504.3	24310 2010	24330 2011	24350 2013	24370 2014	24390 2016	24410 2018	24430 2019	24450 2021	24470 2022	24490 2024
504.4	24510 2026	24530 2027	24550 2029	24570 2030	24600 2032	24620 2034	24640 2035	24660 2037	24680 2039	24700 2040

1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
504.5	24720	24740	24760	24780	24800	24820	24840	24860	24880	24900
	2042	2043	2045	2047	2048	2050	2052	2053	2055	2056
504.6	24920	24940	24960	24980	25000	25030	25050	25070	25090	25110
	2058	2060	2061	2063	2065	2066	2068	2069	2071	2073
504.7	25130	25150	25170	25190	25210	25230	25250	25270	25300	25320
	2074	2076	2078	2079	2081	2083	2084	2086	2087	2089
504.8	25340	25360	25380	25400	25420	25440	25460	25480	25510	25530
	2091	2092	2094	2096	2097	2099	2101	2102	2104	2106
504.9	25550	25570	25590	25610	25630	25650	25670	25700	25720	25740
	2107	2109	2110	2112	2114	2115	2117	2119	2120	2122
505.0	25760	25780	25800	25820	25840	25870	25890	25910	25930	25950
	2123	2124	2125	2125	2126	2127	2127	2128	2129	2129
505.1	25970	25990	26010	26040	26060	26080	26100	26120	26140	26160
	2130	2131	2131	2132	2133	2133	2134	2135	2135	2136
505.2	26180	26210	26230	26250	26270	26290	26310	26330	26360	26380
	2137	2137	2138	2138	2139	2140	2140	2141	2142	2142
505.3	26400	26420	26440	26460	26480	26510	26530	26550	26570	26590
	2143	2144	2144	2145	2146	2146	2147	2148	2148	2149
505.4	26610	26640	26660	26680	26700	26720	26740	26760	26790	26810
	2150	2150	2151	2152	2152	2153	2154	2154	2155	2156
505.5	26830	26850	26870	26890	26920	26940	26960	26980	27000	27020
	2156	2157	2158	2158	2159	2159	2160	2161	2161	2162
505.6	27040	27070	27090	27110	27130	27150	27170	27200	27220	27240
	2163	2163	2164	2165	2165	2166	2167	2167	2168	2169
505.7	27260	27280	27300	27330	27350	27370	27390	27410	27440	27460
	2169	2170	2171	2171	2172	2173	2173	2174	2175	2175
505.8	27480	27500	27520	27540	27570	27590	27610	27630	27650	27670
	2176	2177	2177	2178	2179	2179	2180	2181	2181	2182
505.9	27700	27720	27740	27760	27780	27810	27830	27850	27870	27890
	2183	2183	2184	2185	2185	2186	2187	2187	2188	2189
506.0	27920	27940	27960	27980	28000	28020	28050	28070	28090	28110
	2189	2191	2193	2195	2196	2198	2200	2201	2203	2205
506.1	28140	28160	28180	28200	28220	28250	28270	28290	28310	28330
	2206	2208	2210	2212	2213	2215	2217	2218	2220	2222
506.2	28360	28380	28400	28420	28450	28470	28490	28510	28530	28560
	2224	2225	2227	2229	2230	2232	2234	2236	2237	2239
506.3	28580	28600	28620	28650	28670	28690	28710	28740	28760	28780
	2241	2243	2244	2246	2248	2249	2251	2253	2255	2256
506.4	28800	28830	28850	28870	28900	28920	28940	28960	28990	29010
	2258	2260	2261	2263	2265	2267	2268	2270	2272	2274
506.5	29030	29050	29080	29100	29120	29150	29170	29190	29210	29240
	2275	2277	2279	2281	2282	2284	2286	2288	2289	2291
506.6	29260	29280	29310	29330	29350	29370	29400	29420	29440	29470
	2293	2294	2296	2298	2300	2301	2303	2305	2307	2308
506.7	29490	29510	29540	29560	29580	29610	29630	29650	29680	29700
	2310	2312	2314	2315	2317	2319	2321	2322	2324	2326
506.8	29720	29750	29770	29790	29820	29840	29860	29890	29910	29930
	2328	2329	2331	2333	2335	2336	2338	2340	2342	2344
506.9	29960	29980	30000	30030	30050	30070	30100	30120	30140	30170
	2345	2347	2349	2351	2352	2354	2356	2358	2359	2361

1988 SURVEY		Prado Dam									
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	
507.0	30190 2363	30210 2363	30240 2364	30260 2365	30290 2365	30310 2366	30330 2366	30360 2367	30380 2368	30400 2368	
507.1	30430 2369	30450 2370	30470 2370	30500 2371	30520 2371	30550 2372	30570 2373	30590 2373	30620 2374	30640 2375	
507.2	30660 2375	30690 2376	30710 2377	30740 2377	30760 2378	30780 2378	30810 2379	30830 2380	30860 2380	30880 2381	
507.3	30900 2382	30930 2382	30950 2383	30970 2384	31000 2384	31020 2385	31050 2385	31070 2386	31090 2387	31120 2387	
507.4	31140 2388	31170 2389	31190 2389	31210 2390	31240 2390	31260 2391	31280 2392	31310 2392	31330 2393	31360 2394	
507.5	31380 2394	31400 2395	31430 2396	31450 2396	31480 2397	31500 2397	31520 2398	31550 2399	31570 2399	31600 2400	
507.6	31620 2401	31640 2401	31670 2402	31690 2403	31720 2403	31740 2404	31760 2404	31790 2405	31810 2406	31840 2406	
507.7	31860 2407	31880 2408	31910 2408	31930 2409	31960 2410	31980 2410	32000 2411	32030 2411	32050 2412	32080 2413	
507.8	32100 2413	32130 2414	32150 2415	32170 2415	32200 2416	32220 2417	32250 2417	32270 2418	32290 2418	32320 2419	
507.9	32340 2420	32370 2420	32390 2421	32420 2422	32440 2422	32460 2423	32490 2424	32510 2424	32540 2425	32560 2426	
508.0	32590 2426	32610 2428	32630 2430	32660 2431	32680 2433	32710 2434	32730 2436	32760 2437	32780 2439	32800 2440	
508.1	32830 2442	32850 2444	32880 2445	32900 2447	32930 2448	32950 2450	32980 2451	33000 2453	33020 2455	33050 2456	
508.2	33070 2458	33100 2459	33120 2461	33150 2462	33170 2464	33200 2466	33220 2467	33250 2469	33270 2470	33300 2472	
508.3	33320 2473	33350 2475	33370 2477	33390 2478	33420 2480	33440 2481	33470 2483	33490 2485	33520 2486	33540 2488	
508.4	33570 2489	33590 2491	33620 2492	33640 2494	33670 2496	33690 2497	33720 2499	33740 2500	33770 2502	33790 2503	
508.5	33820 2505	33840 2507	33870 2508	33890 2510	33920 2511	33940 2513	33970 2515	33990 2516	34020 2518	34040 2519	
508.6	34070 2521	34090 2523	34120 2524	34150 2526	34170 2527	34200 2529	34220 2531	34250 2532	34270 2534	34300 2535	
508.7	34320 2537	34350 2539	34370 2540	34400 2542	34420 2543	34450 2545	34480 2547	34500 2548	34530 2550	34550 2551	
508.8	34580 2553	34600 2555	34630 2556	34650 2558	34680 2559	34700 2561	34730 2563	34760 2564	34780 2566	34810 2567	
508.9	34830 2569	34860 2571	34880 2572	34910 2574	34940 2575	34960 2577	34990 2579	35010 2580	35040 2582	35070 2583	
509.0	35090 2585	35120 2586	35140 2586	35170 2587	35190 2588	35220 2589	35250 2589	35270 2590	35300 2591	35320 2592	
509.1	35350 2592	35380 2593	35400 2594	35430 2595	35450 2595	35480 2596	35510 2597	35530 2598	35560 2598	35580 2599	
509.2	35610 2600	35640 2601	35660 2601	35690 2602	35710 2603	35740 2604	35770 2604	35790 2605	35820 2606	35840 2606	
509.3	35870 2607	35900 2608	35920 2609	35950 2609	35970 2610	36000 2611	36030 2612	36050 2612	36080 2613	36100 2614	
509.4	36130 2615	36160 2615	36180 2616	36210 2617	36240 2618	36260 2618	36290 2619	36310 2620	36340 2621	36370 2621	

1988 SURVEY

Prado Dam

ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
509.5	36390 2622	36420 2623	36450 2624	36470 2625	36500 2625	36520 2626	36550 2627	36580 2628	36600 2628	36630 2629
509.6	36660 2630	36680 2631	36710 2631	36730 2632	36760 2633	36790 2634	36810 2634	36840 2635	36870 2636	36890 2637
509.7	36920 2637	36950 2638	36970 2639	37000 2640	37020 2640	37050 2641	37080 2642	37100 2643	37130 2643	37160 2644
509.8	37180 2645	37210 2646	37240 2646	37260 2647	37290 2648	37320 2649	37340 2649	37370 2650	37390 2651	37420 2652
509.9	37450 2652	37470 2653	37500 2654	37530 2655	37550 2655	37580 2656	37610 2657	37630 2658	37660 2658	37690 2659
510.0	37710 2660	37740 2662	37770 2663	37790 2665	37820 2666	37850 2668	37870 2669	37900 2671	37930 2672	37950 2674
510.1	37980 2675	38010 2677	38030 2678	38060 2680	38090 2681	38110 2683	38140 2684	38170 2686	38190 2687	38220 2689
510.2	38250 2690	38280 2692	38300 2693	38330 2695	38360 2696	38380 2698	38410 2699	38440 2701	38460 2702	38490 2704
510.3	38520 2705	38550 2707	38570 2708	38600 2710	38630 2712	38650 2713	38680 2715	38710 2716	38740 2718	38760 2719
510.4	38790 2721	38820 2722	38840 2724	38870 2725	38900 2727	38930 2728	38950 2730	38980 2731	39010 2733	39040 2734
510.5	39060 2736	39090 2737	39120 2739	39140 2740	39170 2742	39200 2743	39230 2745	39250 2747	39280 2748	39310 2750
510.6	39340 2751	39360 2753	39390 2754	39420 2756	39450 2757	39470 2759	39500 2760	39530 2762	39560 2763	39580 2765
510.7	39610 2766	39640 2768	39670 2770	39700 2771	39720 2773	39750 2774	39780 2776	39810 2777	39830 2779	39860 2780
510.8	39890 2782	39920 2783	39950 2785	39970 2786	40000 2788	40030 2789	40060 2791	40090 2793	40110 2794	40140 2796
510.9	40170 2797	40200 2799	40230 2800	40250 2802	40280 2803	40310 2805	40340 2806	40370 2808	40390 2810	40420 2811
511.0	40450 2812	40480 2813	40510 2814	40530 2815	40560 2815	40590 2816	40620 2817	40650 2817	40670 2818	40700 2819
511.1	40730 2820	40760 2820	40790 2821	40820 2822	40840 2822	40870 2823	40900 2824	40930 2825	40960 2825	40990 2826
511.2	41010 2827	41040 2827	41070 2828	41100 2829	41130 2830	41150 2830	41180 2831	41210 2832	41240 2832	41270 2833
511.3	41300 2834	41320 2835	41350 2835	41380 2836	41410 2837	41440 2837	41470 2838	41500 2839	41520 2840	41550 2840
511.4	41580 2841	41610 2842	41640 2842	41670 2843	41690 2844	41720 2845	41750 2845	41780 2846	41810 2847	41840 2848
511.5	41860 2848	41890 2849	41920 2850	41950 2850	41980 2851	42010 2852	42040 2853	42060 2853	42090 2854	42120 2855
511.6	42150 2855	42180 2856	42210 2857	42240 2858	42260 2858	42290 2859	42320 2860	42350 2860	42380 2861	42410 2862
511.7	42440 2863	42460 2863	42490 2864	42520 2865	42550 2866	42580 2866	42610 2867	42640 2868	42670 2868	42690 2869
511.8	42720 2870	42750 2871	42780 2871	42810 2872	42840 2873	42870 2873	42890 2874	42920 2875	42950 2876	42980 2876
511.9	43010 2877	43040 2878	43070 2879	43100 2879	43130 2880	43150 2881	43180 2881	43210 2882	43240 2883	43270 2884

1988 SURVEY ELEV FEET	Prado Dam									
	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09

512.0	43300 2885	43330 2886	43360 2888	43380 2889	43410 2891	43440 2892	43470 2894	43500 2896	43530 2897	43560 2899
512.1	43590 2900	43620 2902	43650 2903	43670 2905	43700 2907	43730 2908	43760 2910	43790 2911	43820 2913	43850 2914
512.2	43880 2916	43910 2918	43940 2919	43970 2921	43990 2922	44020 2924	44050 2925	44080 2927	44110 2929	44140 2930
512.3	44170 2932	44200 2933	44230 2935	44260 2936	44290 2938	44320 2940	44350 2941	44380 2943	44410 2944	44430 2946
512.4	44460 2948	44490 2949	44520 2951	44550 2952	44580 2954	44610 2955	44640 2957	44670 2959	44700 2960	44730 2962

512.5	44760 2963	44790 2965	44820 2967	44850 2968	44880 2970	44910 2971	44940 2973	44970 2975	45000 2976	45030 2978
512.6	45060 2979	45090 2981	45120 2983	45150 2984	45180 2986	45210 2987	45240 2989	45270 2991	45300 2992	45330 2994
512.7	45360 2995	45390 2997	45420 2998	45450 3000	45480 3002	45510 3003	45540 3005	45570 3006	45600 3008	45630 3010
512.8	45660 3011	45690 3013	45720 3014	45750 3016	45780 3018	45810 3019	45840 3021	45870 3023	45900 3024	45930 3026
512.9	45960 3027	45990 3029	46020 3031	46050 3032	46080 3034	46110 3035	46140 3037	46170 3039	46200 3040	46230 3042

513.0	46260 3043	46290 3044	46320 3045	46350 3046	46380 3047	46410 3047	46440 3048	46470 3049	46500 3050	46540 3051
513.1	46570 3051	46600 3052	46630 3053	46660 3054	46690 3055	46720 3056	46750 3056	46780 3057	46810 3058	46840 3059
513.2	46870 3060	46900 3061	46930 3061	46960 3062	46990 3063	47020 3064	47050 3065	47090 3066	47120 3066	47150 3067
513.3	47180 3068	47210 3069	47240 3070	47270 3071	47300 3071	47330 3072	47360 3073	47390 3074	47420 3075	47450 3076
513.4	47480 3076	47520 3077	47550 3078	47580 3079	47610 3080	47640 3081	47670 3081	47700 3082	47730 3083	47760 3084

513.5	47790 3085	47820 3086	47850 3086	47890 3087	47920 3088	47950 3089	47980 3090	48010 3091	48040 3091	48070 3092
513.6	48100 3093	48130 3094	48160 3095	48190 3096	48230 3096	48260 3097	48290 3098	48320 3099	48350 3100	48380 3101
513.7	48410 3101	48440 3102	48470 3103	48500 3104	48530 3105	48570 3106	48600 3106	48630 3107	48660 3108	48690 3109
513.8	48720 3110	48750 3111	48780 3111	48810 3112	48850 3113	48880 3114	48910 3115	48940 3116	48970 3116	49000 3117
513.9	49030 3118	49060 3119	49100 3120	49130 3121	49160 3121	49190 3122	49220 3123	49250 3124	49280 3125	49310 3126

514.0	49340 3127	49380 3128	49410 3129	49440 3131	49470 3132	49500 3134	49530 3135	49560 3136	49600 3138	49630 3139
514.1	49660 3141	49690 3142	49720 3143	49750 3145	49780 3146	49820 3148	49850 3149	49880 3150	49910 3152	49940 3153
514.2	49970 3155	50000 3156	50040 3157	50070 3159	50100 3160	50130 3162	50160 3163	50190 3164	50230 3166	50260 3167
514.3	50290 3169	50320 3170	50350 3171	50380 3173	50420 3174	50450 3176	50480 3177	50510 3179	50540 3180	50570 3181
514.4	50610 3183	50640 3184	50670 3186	50700 3187	50730 3188	50770 3190	50800 3191	50830 3193	50860 3194	50890 3195

1988 SURVEY					Prado Dam					
ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
514.5	50930 3197	50960 3198	50990 3200	51020 3201	51050 3203	51090 3204	51120 3205	51150 3207	51180 3208	51210 3210
514.6	51250 3211	51280 3212	51310 3214	51340 3215	51370 3217	51410 3218	51440 3220	51470 3221	51500 3222	51540 3224
514.7	51570 3225	51600 3227	51630 3228	51660 3229	51700 3231	51730 3232	51760 3234	51790 3235	51830 3237	51860 3238
514.8	51890 3239	51920 3241	51960 3242	51990 3244	52020 3245	52050 3247	52090 3248	52120 3249	52150 3251	52180 3252
514.9	52220 3254	52250 3255	52280 3256	52310 3258	52350 3259	52380 3261	52410 3262	52440 3264	52480 3265	52510 3266
515.0	52540 3268	52570 3269	52610 3269	52640 3270	52670 3271	52700 3272	52740 3272	52770 3273	52800 3274	52840 3275
515.1	52870 3276	52900 3276	52930 3277	52970 3278	53000 3279	53030 3279	53060 3280	53100 3281	53130 3282	53160 3283
515.2	53200 3283	53230 3284	53260 3285	53290 3286	53330 3286	53360 3287	53390 3288	53430 3289	53460 3290	53490 3290
515.3	53520 3291	53560 3292	53590 3293	53620 3294	53660 3294	53690 3295	53720 3296	53760 3297	53790 3297	53820 3298
515.4	53850 3299	53890 3300	53920 3301	53950 3301	53990 3302	54020 3303	54050 3304	54090 3304	54120 3305	54150 3306
515.5	54180 3307	54220 3308	54250 3308	54280 3309	54320 3310	54350 3311	54380 3312	54420 3312	54450 3313	54480 3314
515.6	54520 3315	54550 3315	54580 3316	54610 3317	54650 3318	54680 3319	54710 3319	54750 3320	54780 3321	54810 3322
515.7	54850 3322	54880 3323	54910 3324	54950 3325	54980 3326	55010 3326	55050 3327	55080 3328	55110 3329	55150 3330
515.8	55180 3330	55210 3331	55250 3332	55280 3333	55310 3333	55350 3334	55380 3335	55410 3336	55450 3337	55480 3337
515.9	55510 3338	55550 3339	55580 3340	55610 3341	55650 3341	55680 3342	55710 3343	55750 3344	55780 3345	55810 3345
516.0	55850 3346	55880 3347	55910 3349	55950 3350	55980 3351	56010 3352	56050 3353	56080 3355	56120 3356	56150 3357
516.1	56180 3358	56220 3359	56250 3361	56280 3362	56320 3363	56350 3364	56380 3365	56420 3367	56450 3368	56490 3369
516.2	56520 3370	56550 3371	56590 3373	56620 3374	56650 3375	56690 3376	56720 3377	56750 3379	56790 3380	56820 3381
516.3	56860 3382	56890 3383	56920 3385	56960 3386	56990 3387	57030 3388	57060 3389	57090 3391	57130 3392	57160 3393
516.4	57190 3394	57230 3395	57260 3397	57300 3398	57330 3399	57360 3400	57400 3401	57430 3403	57470 3404	57500 3405
516.5	57530 3406	57570 3407	57600 3409	57640 3410	57670 3411	57710 3412	57740 3414	57770 3415	57810 3416	57840 3417
516.6	57880 3418	57910 3420	57940 3421	57980 3422	58010 3423	58050 3424	58080 3426	58120 3427	58150 3428	58180 3429
516.7	58220 3430	58250 3432	58290 3433	58320 3434	58360 3435	58390 3437	58420 3438	58460 3439	58490 3440	58530 3441
516.8	58560 3443	58600 3444	58630 3445	58670 3446	58700 3447	58730 3449	58770 3450	58800 3451	58840 3452	58870 3454
516.9	58910 3455	58940 3456	58980 3457	59010 3458	59040 3460	59080 3461	59110 3462	59150 3463	59180 3465	59220 3466

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	Prado Dam	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	CAP	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
517.0	59250 3467	59290 3468	59320 3468	59360 3469	59390 3470	59430 3471	59460 3471	59500 3472	59530 3473	59570 3473
517.1	59600 3474	59630 3475	59670 3476	59700 3476	59740 3477	59770 3478	59810 3478	59840 3479	59880 3480	59910 3481
517.2	59950 3481	59980 3482	60020 3483	60050 3484	60090 3484	60120 3485	60160 3486	60190 3486	60230 3487	60260 3488
517.3	60300 3489	60330 3489	60370 3490	60400 3491	60440 3492	60470 3492	60510 3493	60540 3494	60580 3494	60610 3495
517.4	60640 3496	60680 3497	60710 3497	60750 3498	60780 3499	60820 3500	60850 3500	60890 3501	60920 3502	60960 3502
517.5	60990 3503	61030 3504	61060 3505	61100 3505	61130 3506	61170 3507	61210 3508	61240 3508	61280 3509	61310 3510
517.6	61350 3511	61380 3511	61420 3512	61450 3513	61490 3513	61520 3514	61560 3515	61590 3516	61630 3516	61660 3517
517.7	61700 3518	61730 3519	61770 3519	61800 3520	61840 3521	61870 3521	61910 3522	61940 3523	61980 3524	62010 3524
517.8	62050 3525	62080 3526	62120 3527	62150 3527	62190 3528	62230 3529	62260 3530	62300 3530	62330 3531	62370 3532
517.9	62400 3532	62440 3533	62470 3534	62510 3535	62540 3535	62580 3536	62610 3537	62650 3538	62680 3538	62720 3539
518.0	62760 3540	62790 3542	62830 3543	62860 3545	62900 3547	62930 3548	62970 3550	63000 3552	63040 3553	63070 3555
518.1	63110 3557	63150 3558	63180 3560	63220 3562	63250 3563	63290 3565	63320 3567	63360 3569	63390 3570	63430 3572
518.2	63470 3574	63500 3575	63540 3577	63570 3579	63610 3580	63650 3582	63680 3584	63720 3585	63750 3587	63790 3589
518.3	63820 3591	63860 3592	63900 3594	63930 3596	63970 3597	64000 3599	64040 3601	64080 3602	64110 3604	64150 3606
518.4	64180 3607	64220 3609	64260 3611	64290 3613	64330 3614	64360 3616	64400 3618	64440 3619	64470 3621	64510 3623
518.5	64550 3624	64580 3626	64620 3628	64650 3630	64690 3631	64730 3633	64760 3635	64800 3636	64840 3638	64870 3640
518.6	64910 3642	64950 3643	64980 3645	65020 3647	65050 3648	65090 3650	65130 3652	65160 3653	65200 3655	65240 3657
518.7	65270 3659	65310 3660	65350 3662	65380 3664	65420 3665	65460 3667	65490 3669	65530 3671	65570 3672	65600 3674
518.8	65640 3676	65680 3677	65710 3679	65750 3681	65790 3683	65820 3684	65860 3686	65900 3688	65940 3689	65970 3691
518.9	66010 3693	66050 3695	66080 3696	66120 3698	66160 3700	66190 3701	66230 3703	66270 3705	66300 3707	66340 3708
519.0	66380 3710	66420 3711	66450 3711	66490 3712	66530 3713	66560 3714	66600 3714	66640 3715	66680 3716	66710 3716
519.1	66750 3717	66790 3718	66820 3719	66860 3719	66900 3720	66940 3721	66970 3721	67010 3722	67050 3723	67090 3724
519.2	67120 3724	67160 3725	67200 3726	67230 3727	67270 3727	67310 3728	67350 3729	67380 3729	67420 3730	67460 3731
519.3	67490 3732	67530 3732	67570 3733	67610 3734	67640 3734	67680 3735	67720 3736	67760 3737	67790 3737	67830 3738
519.4	67870 3739	67910 3739	67940 3740	67980 3741	68020 3742	68060 3742	68090 3743	68130 3744	68170 3745	68210 3745

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
519.5	68240 3746	68280 3747	68320 3747	68350 3748	68390 3749	68430 3750	68470 3750	68500 3751	68540 3752	68580 3752
519.6	68620 3753	68650 3754	68690 3755	68730 3755	68770 3756	68800 3757	68840 3758	68880 3758	68920 3759	68960 3760
519.7	68990 3760	69030 3761	69070 3762	69110 3763	69140 3763	69180 3764	69220 3765	69260 3765	69290 3766	69330 3767
519.8	69370 3768	69410 3768	69440 3769	69480 3770	69520 3771	69560 3771	69600 3772	69630 3773	69670 3773	69710 3774
519.9	69750 3775	69780 3776	69820 3776	69860 3777	69900 3778	69930 3778	69970 3779	70010 3780	70050 3781	70090 3781
520.0	70120 3782	70160 3783	70200 3785	70240 3786	70280 3787	70310 3788	70350 3790	70390 3791	70430 3792	70460 3793
520.1	70500 3795	70540 3796	70580 3797	70620 3798	70650 3800	70690 3801	70730 3802	70770 3803	70810 3805	70840 3806
520.2	70880 3807	70920 3808	70960 3810	71000 3811	71030 3812	71070 3813	71110 3815	71150 3816	71190 3817	71230 3818
520.3	71260 3820	71300 3821	71340 3822	71380 3823	71420 3825	71450 3826	71490 3827	71530 3828	71570 3830	71610 3831
520.4	71650 3832	71680 3833	71720 3835	71760 3836	71800 3837	71840 3838	71880 3840	71910 3841	71950 3842	71990 3843
520.5	72030 3845	72070 3846	72110 3847	72150 3848	72180 3850	72220 3851	72260 3852	72300 3853	72340 3855	72380 3856
520.6	72420 3857	72450 3858	72490 3860	72530 3861	72570 3862	72610 3864	72650 3865	72690 3866	72720 3867	72760 3869
520.7	72800 3870	72840 3871	72880 3872	72920 3874	72960 3875	72990 3876	73030 3877	73070 3879	73110 3880	73150 3881
520.8	73190 3882	73230 3884	73270 3885	73310 3886	73340 3887	73380 3889	73420 3890	73460 3891	73500 3892	73540 3894
520.9	73580 3895	73620 3896	73660 3898	73690 3899	73730 3900	73770 3901	73810 3903	73850 3904	73890 3905	73930 3906
521.0	73970 3908	74010 3908	74050 3909	74090 3909	74120 3910	74160 3911	74200 3911	74240 3912	74280 3912	74320 3913
521.1	74360 3914	74400 3914	74440 3915	74480 3915	74520 3916	74550 3917	74590 3917	74630 3918	74670 3918	74710 3919
521.2	74750 3920	74790 3920	74830 3921	74870 3921	74910 3922	74950 3923	74990 3923	75020 3924	75060 3924	75100 3925
521.3	75140 3926	75180 3926	75220 3927	75260 3927	75300 3928	75340 3929	75380 3929	75420 3930	75460 3930	75500 3931
521.4	75540 3932	75570 3932	75610 3933	75650 3933	75690 3934	75730 3935	75770 3935	75810 3936	75850 3936	75890 3937
521.5	75930 3938	75970 3938	76010 3939	76050 3939	76090 3940	76130 3941	76160 3941	76200 3942	76240 3942	76280 3943
521.6	76320 3944	76360 3944	76400 3945	76440 3945	76480 3946	76520 3947	76560 3947	76600 3948	76640 3948	76680 3949
521.7	76720 3950	76760 3950	76800 3951	76840 3951	76880 3952	76910 3953	76950 3953	76990 3954	77030 3954	77070 3955
521.8	77110 3956	77150 3956	77190 3957	77230 3957	77270 3958	77310 3959	77350 3959	77390 3960	77430 3960	77470 3961
521.9	77510 3962	77550 3962	77590 3963	77630 3963	77670 3964	77710 3965	77750 3965	77790 3966	77830 3966	77860 3967

1988 SURVEY		Prado Dam								
ELEV FEET	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09

522.0	77900 3968	77940 3969	77980 3970	78020 3972	78060 3973	78100 3975	78140 3976	78180 3977	78220 3979	78260 3980
522.1	78300 3982	78340 3983	78380 3984	78420 3986	78460 3987	78500 3989	78540 3990	78580 3991	78620 3993	78660 3994
522.2	78700 3996	78740 3997	78780 3998	78820 4000	78860 4001	78900 4003	78940 4004	78980 4005	79020 4007	79060 4008
522.3	79100 4010	79140 4011	79180 4012	79220 4014	79260 4015	79300 4017	79340 4018	79380 4019	79420 4021	79460 4022
522.4	79500 4024	79540 4025	79580 4026	79620 4028	79660 4029	79700 4031	79740 4032	79780 4033	79820 4035	79860 4036

522.5	79910 4038	79950 4039	79990 4040	80030 4042	80070 4043	80110 4045	80150 4046	80190 4047	80230 4049	80270 4050
522.6	80310 4052	80350 4053	80390 4054	80430 4056	80470 4057	80510 4059	80550 4060	80590 4061	80630 4063	80670 4064
522.7	80720 4066	80760 4067	80800 4068	80840 4070	80880 4071	80920 4073	80960 4074	81000 4076	81040 4077	81080 4078
522.8	81120 4080	81160 4081	81200 4083	81250 4084	81290 4085	81330 4087	81370 4088	81410 4090	81450 4091	81490 4092
522.9	81530 4094	81570 4095	81610 4097	81650 4098	81690 4099	81740 4101	81780 4102	81820 4104	81860 4105	81900 4107

523.0	81940 4108	81980 4109	82020 4109	82060 4110	82110 4111	82150 4111	82190 4112	82230 4113	82270 4114	82310 4114
523.1	82350 4115	82390 4116	82430 4116	82480 4117	82520 4118	82560 4118	82600 4119	82640 4120	82680 4120	82720 4121
523.2	82760 4122	82810 4123	82850 4123	82890 4124	82930 4125	82970 4125	83010 4126	83050 4127	83090 4127	83140 4128
523.3	83180 4129	83220 4130	83260 4130	83300 4131	83340 4132	83380 4132	83420 4133	83470 4134	83510 4134	83550 4135
523.4	83590 4136	83630 4136	83670 4137	83710 4138	83750 4139	83800 4139	83840 4140	83880 4141	83920 4141	83960 4142

523.5	84000 4143	84040 4143	84090 4144	84130 4145	84170 4146	84210 4146	84250 4147	84290 4148	84330 4148	84380 4149
523.6	84420 4150	84460 4150	84500 4151	84540 4152	84580 4153	84630 4153	84670 4154	84710 4155	84750 4155	84790 4156
523.7	84830 4157	84870 4157	84920 4158	84960 4159	85000 4159	85040 4160	85080 4161	85120 4162	85170 4162	85210 4163
523.8	85250 4164	85290 4164	85330 4165	85370 4166	85420 4166	85460 4167	85500 4168	85540 4169	85580 4169	85620 4170
523.9	85670 4171	85710 4171	85750 4172	85790 4173	85830 4173	85870 4174	85920 4175	85960 4176	86000 4176	86040 4177

524.0	86080 4178	86120 4179	86170 4181	86210 4182	86250 4183	86290 4185	86330 4186	86380 4188	86420 4189	86460 4191
524.1	86500 4192	86540 4193	86590 4195	86630 4196	86670 4198	86710 4199	86750 4201	86790 4202	86840 4204	86880 4205
524.2	86920 4206	86960 4208	87010 4209	87050 4211	87090 4212	87130 4214	87170 4215	87220 4217	87260 4218	87300 4219
524.3	87340 4221	87380 4222	87430 4224	87470 4225	87510 4227	87550 4228	87600 4230	87640 4231	87680 4232	87720 4234
524.4	87760 4235	87810 4237	87850 4238	87890 4240	87930 4241	87980 4243	88020 4244	88060 4245	88100 4247	88150 4248

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
524.5	88190 4250	88230 4251	88270 4253	88320 4254	88360 4256	88400 4257	88440 4259	88490 4260	88530 4261	88570 4263
524.6	88610 4264	88660 4266	88700 4267	88740 4269	88790 4270	88830 4272	88870 4273	88910 4275	88960 4276	89000 4277
524.7	89040 4279	89080 4280	89130 4282	89170 4283	89210 4285	89260 4286	89300 4288	89340 4289	89380 4291	89430 4292
524.8	89470 4293	89510 4295	89560 4296	89600 4298	89640 4299	89690 4301	89730 4302	89770 4304	89810 4305	89860 4307
524.9	89900 4308	89940 4309	89990 4311	90030 4312	90070 4314	90120 4315	90160 4317	90200 4318	90250 4320	90290 4321
525.0	90330 4323	90370 4323	90420 4324	90460 4325	90500 4326	90550 4326	90590 4327	90630 4328	90680 4329	90720 4329
525.1	90760 4330	90810 4331	90850 4332	90890 4332	90940 4333	90980 4334	91020 4335	91070 4335	91110 4336	91150 4337
525.2	91200 4338	91240 4338	91280 4339	91330 4340	91370 4341	91410 4341	91460 4342	91500 4343	91540 4344	91590 4344
525.3	91630 4345	91670 4346	91720 4347	91760 4347	91810 4348	91850 4349	91890 4350	91940 4350	91980 4351	92020 4352
525.4	92070 4353	92110 4353	92150 4354	92200 4355	92240 4356	92280 4356	92330 4357	92370 4358	92410 4359	92460 4359
525.5	92500 4360	92550 4361	92590 4362	92630 4362	92680 4363	92720 4364	92760 4365	92810 4365	92850 4366	92890 4367
525.6	92940 4368	92980 4368	93030 4369	93070 4370	93110 4371	93160 4371	93200 4372	93240 4373	93290 4374	93330 4374
525.7	93380 4375	93420 4376	93460 4377	93510 4377	93550 4378	93590 4379	93640 4380	93680 4380	93730 4381	93770 4382
525.8	93810 4383	93860 4383	93900 4384	93940 4385	93990 4386	94030 4386	94080 4387	94120 4388	94160 4389	94210 4389
525.9	94250 4390	94300 4391	94340 4392	94380 4392	94430 4393	94470 4394	94510 4395	94560 4395	94600 4396	94650 4397
526.0	94690 4398	94730 4399	94780 4400	94820 4402	94870 4403	94910 4405	94950 4406	95000 4407	95040 4409	95090 4410
526.1	95130 4412	95180 4413	95220 4414	95260 4416	95310 4417	95350 4419	95400 4420	95440 4422	95480 4423	95530 4424
526.2	95570 4426	95620 4427	95660 4429	95710 4430	95750 4431	95790 4433	95840 4434	95880 4436	95930 4437	95970 4439
526.3	96020 4440	96060 4441	96100 4443	96150 4444	96190 4446	96240 4447	96280 4448	96330 4450	96370 4451	96420 4453
526.4	96460 4454	96510 4456	96550 4457	96590 4458	96640 4460	96680 4461	96730 4463	96770 4464	96820 4466	96860 4467
526.5	96910 4468	96950 4470	97000 4471	97040 4473	97090 4474	97130 4475	97170 4477	97220 4478	97260 4480	97310 4481
526.6	97350 4483	97400 4484	97440 4485	97490 4487	97530 4488	97580 4490	97620 4491	97670 4493	97710 4494	97760 4495
526.7	97800 4497	97850 4498	97890 4500	97940 4501	97980 4503	98030 4504	98070 4505	98120 4507	98160 4508	98210 4510
526.8	98250 4511	98300 4513	98340 4514	98390 4515	98430 4517	98480 4518	98520 4520	98570 4521	98610 4523	98660 4524
526.9	98700 4525	98750 4527	98800 4528	98840 4530	98890 4531	98930 4533	98980 4534	99020 4535	99070 4537	99110 4538

1988 SURVEY ELEV FEET	Prado Dam									
	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09

527.0	99160 4540	99200 4541	99250 4541	99290 4542	99340 4542	99390 4543	99430 4544	99480 4544	99520 4545	99570 4546
527.1	99610 4546	99660 4547	99700 4548	99750 4548	99790 4549	99840 4550	99890 4550	99930 4551	99980 4552	100000 4552
527.2	100100 4553	100100 4554	100200 4554	100200 4555	100200 4556	100300 4556	100300 4557	100400 4558	100400 4558	100500 4559
527.3	100500 4560	100600 4560	100600 4561	100700 4562	100700 4562	100800 4563	100800 4564	100800 4564	100900 4565	100900 4566
527.4	101000 4566	101000 4567	101100 4567	101100 4568	101200 4569	101200 4569	101300 4570	101300 4571	101300 4571	101400 4572

527.5	101400 4573	101500 4573	101500 4574	101600 4575	101600 4575	101700 4576	101700 4577	101800 4577	101800 4578	101800 4579
527.6	101900 4579	101900 4580	102000 4581	102000 4581	102100 4582	102100 4583	102200 4583	102200 4584	102300 4585	102300 4585
527.7	102400 4586	102400 4587	102400 4587	102500 4588	102500 4589	102600 4589	102600 4590	102700 4591	102700 4591	102800 4592
527.8	102800 4593	102900 4593	102900 4594	102900 4595	103000 4595	103000 4596	103100 4597	103100 4597	103200 4598	103200 4599
527.9	103300 4599	103300 4600	103400 4601	103400 4601	103500 4602	103500 4602	103500 4603	103600 4604	103600 4604	103700 4605

528.0	103700 4606	103800 4608	103800 4610	103900 4612	103900 4614	104000 4616	104000 4617	104100 4619	104100 4621	104100 4623
528.1	104200 4625	104200 4627	104300 4629	104300 4631	104400 4633	104400 4635	104500 4637	104500 4639	104600 4641	104600 4643
528.2	104700 4645	104700 4647	104700 4649	104800 4651	104800 4653	104900 4655	104900 4657	105000 4659	105000 4661	105100 4663
528.3	105100 4665	105200 4667	105200 4669	105300 4671	105300 4673	105400 4675	105400 4677	105400 4679	105500 4681	105500 4683
528.4	105600 4685	105600 4687	105700 4689	105700 4691	105800 4693	105800 4695	105900 4697	105900 4699	106000 4701	106000 4703

528.5	106100 4705	106100 4707	106200 4709	106200 4711	106200 4713	106300 4715	106300 4717	106400 4719	106400 4721	106500 4723
528.6	106500 4725	106600 4727	106600 4729	106700 4731	106700 4733	106800 4735	106800 4737	106900 4739	106900 4741	107000 4743
528.7	107000 4745	107000 4747	107100 4749	107100 4751	107200 4753	107200 4755	107300 4757	107300 4759	107400 4761	107400 4763
528.8	107500 4765	107500 4767	107600 4769	107600 4771	107700 4773	107700 4775	107800 4777	107800 4779	107900 4781	107900 4783
528.9	108000 4785	108000 4787	108000 4789	108100 4791	108100 4793	108200 4795	108200 4797	108300 4799	108300 4801	108400 4803

529.0	108400 4805	108500 4806	108500 4807	108600 4808	108600 4809	108700 4810	108700 4811	108800 4812	108800 4812	108900 4813
529.1	108900 4814	109000 4815	109000 4816	109100 4817	109100 4818	109200 4819	109200 4820	109300 4821	109300 4822	109300 4822
529.2	109400 4823	109400 4824	109500 4825	109500 4826	109600 4827	109600 4828	109700 4829	109700 4830	109800 4831	109800 4832
529.3	109900 4832	109900 4833	110000 4834	110000 4835	110100 4836	110100 4837	110200 4838	110200 4839	110300 4840	110300 4841
529.4	110400 4842	110400 4843	110500 4843	110500 4844	110600 4845	110600 4846	110700 4847	110700 4848	110800 4849	110800 4850

1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
529.5	110800	110900	110900	111000	111000	111100	111100	111200	111200	111300
	4851	4852	4853	4853	4854	4855	4856	4857	4858	4859
529.6	111300	111400	111400	111500	111500	111600	111600	111700	111700	111800
	4860	4861	4862	4863	4864	4864	4865	4866	4867	4868
529.7	111800	111900	111900	112000	112000	112100	112100	112200	112200	112300
	4869	4870	4871	4872	4873	4874	4875	4875	4876	4877
529.8	112300	112400	112400	112500	112500	112500	112600	112600	112700	112700
	4878	4879	4880	4881	4882	4883	4884	4885	4886	4886
529.9	112800	112800	112900	112900	113000	113000	113100	113100	113200	113200
	4887	4888	4889	4890	4891	4892	4893	4894	4895	4896
530.0	113300	113300	113400	113400	113500	113500	113600	113600	113700	113700
	4897	4898	4900	4901	4903	4905	4906	4908	4910	4911
530.1	113800	113800	113900	113900	114000	114000	114100	114100	114200	114200
	4913	4915	4916	4918	4920	4921	4923	4925	4926	4928
530.2	114300	114300	114400	114400	114500	114500	114600	114600	114700	114700
	4929	4931	4933	4934	4936	4938	4939	4941	4943	4944
530.3	114800	114800	114900	114900	115000	115000	115100	115100	115200	115200
	4946	4948	4949	4951	4953	4954	4956	4958	4959	4961
530.4	115300	115300	115400	115400	115500	115500	115600	115600	115700	115700
	4963	4964	4966	4968	4969	4971	4973	4974	4976	4978
530.5	115800	115800	115900	115900	116000	116000	116100	116100	116200	116200
	4979	4981	4983	4984	4986	4988	4989	4991	4993	4994
530.6	116300	116300	116400	116400	116400	116500	116600	116600	116700	116700
	4996	4998	4999	5001	5003	5004	5006	5008	5009	5011
530.7	116800	116800	116900	116900	117000	117000	117100	117100	117200	117200
	5013	5014	5016	5018	5019	5021	5023	5024	5026	5028
530.8	117300	117300	117400	117400	117500	117500	117600	117600	117700	117700
	5029	5031	5033	5034	5036	5038	5039	5041	5043	5044
530.9	117800	117800	117900	117900	118000	118000	118100	118100	118200	118200
	5046	5048	5049	5051	5053	5054	5056	5058	5059	5061
531.0	118300	118300	118400	118400	118500	118500	118600	118600	118700	118700
	5063	5064	5065	5066	5066	5067	5068	5069	5070	5071
531.1	118800	118800	118900	118900	119000	119000	119100	119100	119200	119200
	5072	5073	5074	5075	5076	5077	5077	5078	5079	5080
531.2	119300	119300	119400	119400	119500	119500	119600	119600	119700	119700
	5081	5082	5083	5084	5085	5086	5087	5088	5088	5089
531.3	119800	119800	119900	119900	120000	120000	120100	120100	120200	120200
	5090	5091	5092	5093	5094	5095	5096	5097	5098	5099
531.4	120300	120300	120400	120400	120500	120500	120600	120700	120700	120800
	5099	5100	5101	5102	5103	5104	5105	5106	5107	5108
531.5	120800	120900	120900	121000	121000	121100	121100	121200	121200	121300
	5109	5110	5111	5111	5112	5113	5114	5115	5116	5117
531.6	121300	121400	121400	121500	121500	121600	121600	121700	121700	121800
	5118	5119	5120	5121	5122	5122	5123	5124	5125	5126
531.7	121800	121900	121900	122000	122000	122100	122100	122200	122200	122300
	5127	5128	5129	5130	5131	5132	5133	5134	5134	5135
531.8	122300	122400	122400	122500	122500	122600	122600	122700	122800	122800
	5136	5137	5138	5139	5140	5141	5142	5143	5144	5145
531.9	122900	122900	123000	123000	123100	123100	123200	123200	123300	123300
	5146	5146	5147	5148	5149	5150	5151	5152	5153	5154

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

532.0	123400 5155	123400 5156	123500 5157	123500 5159	123600 5160	123600 5162	123700 5163	123700 5165	123800 5166	123800 5168
532.1	123900 5169	123900 5170	124000 5172	124000 5173	124100 5175	124100 5176	124200 5178	124200 5179	124300 5180	124400 5182
532.2	124400 5183	124500 5185	124500 5186	124600 5188	124600 5189	124700 5191	124700 5192	124800 5193	124800 5195	124900 5196
532.3	124900 5198	125000 5199	125000 5201	125100 5202	125100 5203	125200 5205	125200 5206	125300 5208	125300 5209	125400 5211
532.4	125400 5212	125500 5214	125500 5215	125600 5216	125600 5218	125700 5219	125800 5221	125800 5222	125900 5224	125900 5225

532.5	126000 5227	126000 5228	126100 5229	126100 5231	126200 5232	126200 5234	126300 5235	126300 5237	126400 5238	126400 5240
532.6	126500 5241	126500 5242	126600 5244	126600 5245	126700 5247	126700 5248	126800 5250	126900 5251	126900 5253	127000 5254
532.7	127000 5255	127100 5257	127100 5258	127200 5260	127200 5261	127300 5263	127300 5264	127400 5266	127400 5267	127500 5268
532.8	127500 5270	127600 5271	127600 5273	127700 5274	127700 5276	127800 5277	127900 5279	127900 5280	128000 5281	128000 5283
532.9	128100 5284	128100 5286	128200 5287	128200 5289	128300 5290	128300 5292	128400 5293	128400 5295	128500 5296	128500 5297

533.0	128600 5299	128600 5300	128700 5301	128800 5302	128800 5303	128900 5304	128900 5305	129000 5306	129000 5307	129100 5308
533.1	129100 5309	129200 5310	129200 5311	129300 5312	129300 5312	129400 5313	129400 5314	129500 5315	129500 5316	129600 5317
533.2	129700 5318	129700 5319	129800 5320	129800 5321	129900 5322	129900 5323	130000 5324	130000 5325	130100 5326	130100 5327
533.3	130200 5328	130200 5329	130300 5330	130300 5331	130400 5332	130500 5333	130500 5334	130600 5335	130600 5336	130700 5337
533.4	130700 5338	130800 5339	130800 5339	130900 5340	130900 5341	131000 5342	131000 5343	131100 5344	131100 5345	131200 5346

533.5	131300 5347	131300 5348	131400 5349	131400 5350	131500 5351	131500 5352	131600 5353	131600 5354	131700 5355	131700 5356
533.6	131800 5357	131800 5358	131900 5359	132000 5360	132000 5361	132100 5362	132100 5363	132200 5364	132200 5365	132300 5366
533.7	132300 5367	132400 5367	132400 5368	132500 5369	132500 5370	132600 5371	132600 5372	132700 5373	132800 5374	132800 5375
533.8	132900 5376	132900 5377	133000 5378	133000 5379	133100 5380	133100 5381	133200 5382	133200 5383	133300 5384	133300 5385
533.9	133400 5386	133500 5387	133500 5388	133600 5389	133600 5390	133700 5391	133700 5392	133800 5393	133800 5394	133900 5395

534.0	133900 5396	134000 5397	134000 5399	134100 5400	134200 5402	134200 5404	134300 5405	134300 5407	134400 5408	134400 5410
534.1	134500 5412	134500 5413	134600 5415	134600 5417	134700 5418	134800 5420	134800 5422	134900 5423	134900 5425	135000 5426
534.2	135000 5428	135100 5430	135100 5431	135200 5433	135200 5435	135300 5436	135300 5438	135400 5440	135500 5441	135500 5443
534.3	135600 5445	135600 5446	135700 5448	135700 5449	135800 5451	135800 5453	135900 5454	135900 5456	136000 5458	136100 5459
534.4	136100 5461	136200 5463	136200 5464	136300 5466	136300 5468	136400 5469	136400 5471	136500 5472	136500 5474	136600 5476

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
534.5	136700 5477	136700 5479	136800 5481	136800 5482	136900 5484	136900 5486	137000 5487	137000 5489	137100 5491	137200 5492
534.6	137200 5494	137300 5495	137300 5497	137400 5499	137400 5500	137500 5502	137500 5504	137600 5505	137600 5507	137700 5509
534.7	137800 5510	137800 5512	137900 5514	137900 5515	138000 5517	138000 5519	138100 5520	138100 5522	138200 5524	138300 5525
534.8	138300 5527	138400 5528	138400 5530	138500 5532	138500 5533	138600 5535	138600 5537	138700 5538	138800 5540	138800 5542
534.9	138900 5543	138900 5545	139000 5547	139000 5548	139100 5550	139100 5552	139200 5553	139200 5555	139300 5557	139400 5558
535.0	139400 5560	139500 5561	139500 5562	139600 5563	139600 5564	139700 5565	139700 5566	139800 5567	139900 5567	139900 5568
535.1	140000 5569	140000 5570	140100 5571	140100 5572	140200 5573	140300 5574	140300 5575	140400 5576	140400 5576	140500 5577
535.2	140500 5578	140600 5579	140600 5580	140700 5581	140800 5582	140800 5583	140900 5584	140900 5585	141000 5586	141000 5586
535.3	141100 5587	141100 5588	141200 5589	141300 5590	141300 5591	141400 5592	141400 5593	141500 5594	141500 5595	141600 5596
535.4	141600 5596	141700 5597	141800 5598	141800 5599	141900 5600	141900 5601	142000 5602	142000 5603	142100 5604	142200 5605
535.5	142200 5606	142300 5606	142300 5607	142400 5608	142400 5609	142500 5610	142500 5611	142600 5612	142700 5613	142700 5614
535.6	142800 5615	142800 5616	142900 5616	142900 5617	143000 5618	143000 5619	143100 5620	143200 5621	143200 5622	143300 5623
535.7	143300 5624	143400 5625	143400 5626	143500 5626	143600 5627	143600 5628	143700 5629	143700 5630	143800 5631	143800 5632
535.8	143900 5633	143900 5634	144000 5635	144100 5636	144100 5636	144200 5637	144200 5638	144300 5639	144300 5640	144400 5641
535.9	144500 5642	144500 5643	144600 5644	144600 5645	144700 5646	144700 5647	144800 5647	144900 5648	144900 5649	145000 5650
536.0	145000 5651	145100 5652	145100 5654	145200 5655	145200 5656	145300 5658	145400 5659	145400 5660	145500 5662	145500 5663
536.1	145600 5664	145600 5666	145700 5667	145800 5669	145800 5670	145900 5671	145900 5673	146000 5674	146000 5675	146100 5677
536.2	146200 5678	146200 5679	146300 5681	146300 5682	146400 5683	146400 5685	146500 5686	146600 5688	146600 5689	146700 5690
536.3	146700 5692	146800 5693	146800 5694	146900 5696	146900 5697	147000 5698	147100 5700	147100 5701	147200 5702	147200 5704
536.4	147300 5705	147300 5707	147400 5708	147500 5709	147500 5711	147600 5712	147600 5713	147700 5715	147700 5716	147800 5717
536.5	147900 5719	147900 5720	148000 5722	148000 5723	148100 5724	148100 5726	148200 5727	148300 5728	148300 5730	148400 5731
536.6	148400 5732	148500 5734	148500 5735	148600 5736	148700 5738	148700 5739	148800 5741	148800 5742	148900 5743	149000 5745
536.7	149000 5746	149100 5747	149100 5749	149200 5750	149200 5751	149300 5753	149400 5754	149400 5756	149500 5757	149500 5758
536.8	149600 5760	149600 5761	149700 5762	149800 5764	149800 5765	149900 5767	149900 5768	150000 5769	150000 5771	150100 5772
536.9	150200 5773	150200 5775	150300 5776	150300 5777	150400 5779	150400 5780	150500 5782	150600 5783	150600 5784	150700 5786

1988 SURVEY ELEV FEET	Prado Dam									
	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09

537.0	150700 5787	150800 5788	150900 5789	150900 5790	151000 5791	151000 5792	151100 5793	151100 5793	151200 5794	151300 5795
537.1	151300 5796	151400 5797	151400 5798	151500 5799	151500 5800	151600 5801	151700 5801	151700 5802	151800 5803	151800 5804
537.2	151900 5805	152000 5806	152000 5807	152100 5808	152100 5809	152200 5809	152200 5810	152300 5811	152400 5812	152400 5813
537.3	152500 5814	152500 5815	152600 5816	152700 5817	152700 5817	152800 5818	152800 5819	152900 5820	152900 5821	153000 5822
537.4	153100 5823	153100 5824	153200 5825	153200 5825	153300 5826	153400 5827	153400 5828	153500 5829	153500 5830	153600 5831

537.5	153600 5832	153700 5833	153800 5833	153800 5834	153900 5835	153900 5836	154000 5837	154100 5838	154100 5839	154200 5840
537.6	154200 5841	154300 5842	154300 5842	154400 5843	154500 5844	154500 5845	154600 5846	154600 5847	154700 5848	154800 5849
537.7	154800 5850	154900 5850	154900 5851	155000 5852	155000 5853	155100 5854	155200 5855	155200 5856	155300 5857	155300 5858
537.8	155400 5858	155500 5859	155500 5860	155600 5861	155600 5862	155700 5863	155700 5864	155800 5865	155900 5866	155900 5867
537.9	156000 5867	156000 5868	156100 5869	156200 5870	156200 5871	156300 5872	156300 5873	156400 5874	156500 5875	156500 5875

538.0	156600 5876	156600 5878	156700 5879	156700 5881	156800 5883	156900 5884	156900 5886	157000 5888	157000 5889	157100 5891
538.1	157200 5893	157200 5894	157300 5896	157300 5898	157400 5899	157500 5901	157500 5903	157600 5904	157600 5906	157700 5908
538.2	157700 5909	157800 5911	157900 5912	157900 5914	158000 5916	158000 5917	158100 5919	158200 5921	158200 5922	158300 5924
538.3	158300 5926	158400 5927	158500 5929	158500 5931	158600 5932	158600 5934	158700 5936	158800 5937	158800 5939	158900 5941
538.4	158900 5942	159000 5944	159100 5946	159100 5947	159200 5949	159200 5951	159300 5952	159300 5954	159400 5956	159500 5957

538.5	159500 5959	159600 5961	159600 5962	159700 5964	159800 5966	159800 5967	159900 5969	159900 5971	160000 5972	160100 5974
538.6	160100 5976	160200 5977	160200 5979	160300 5981	160400 5982	160400 5984	160500 5986	160500 5987	160600 5989	160700 5991
538.7	160700 5992	160800 5994	160800 5996	160900 5997	161000 5999	161000 6001	161100 6002	161100 6004	161200 6006	161300 6007
538.8	161300 6009	161400 6011	161400 6012	161500 6014	161600 6016	161600 6017	161700 6019	161700 6021	161800 6022	161900 6024
538.9	161900 6026	162000 6027	162000 6029	162100 6031	162200 6032	162200 6034	162300 6036	162300 6037	162400 6039	162500 6041

539.0	162500 6042	162600 6044	162600 6045	162700 6045	162800 6046	162800 6047	162900 6048	162900 6049	163000 6050	163100 6051
539.1	163100 6052	163200 6053	163300 6054	163300 6055	163400 6056	163400 6057	163500 6058	163600 6059	163600 6060	163700 6061
539.2	163700 6062	163800 6062	163900 6063	163900 6064	164000 6065	164000 6066	164100 6067	164200 6068	164200 6069	164300 6070
539.3	164300 6071	164400 6072	164500 6073	164500 6074	164600 6075	164600 6076	164700 6077	164800 6078	164800 6079	164900 6080
539.4	164900 6080	165000 6081	165100 6082	165100 6083	165200 6084	165300 6085	165300 6086	165400 6087	165400 6088	165500 6089

1988 SURVEY		Prado Dam									
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	
539.5	165600	165600	165700	165700	165800	165900	165900	166000	166000	166100	166100
	6090	6091	6092	6093	6094	6095	6096	6097	6098	6099	6099
539.6	166200	166200	166300	166400	166400	166500	166500	166600	166700	166700	166700
	6099	6100	6101	6102	6103	6104	6105	6106	6107	6108	6108
539.7	166800	166800	166900	167000	167000	167100	167100	167200	167300	167300	167300
	6109	6110	6111	6112	6113	6114	6115	6116	6117	6118	6118
539.8	167400	167500	167500	167600	167600	167700	167800	167800	167900	167900	167900
	6118	6119	6120	6121	6122	6123	6124	6125	6126	6127	6127
539.9	168000	168100	168100	168200	168200	168300	168400	168400	168500	168600	168600
	6128	6129	6130	6131	6132	6133	6134	6135	6136	6137	6137
540.0	168600	168700	168700	168800	168900	168900	169000	169000	169100	169200	169200
	6137	6139	6140	6142	6144	6145	6147	6148	6150	6151	6151
540.1	169200	169300	169400	169400	169500	169500	169600	169700	169700	169800	169800
	6153	6155	6156	6158	6159	6161	6162	6164	6166	6167	6167
540.2	169800	169900	170000	170000	170100	170200	170200	170300	170300	170400	170400
	6169	6170	6172	6173	6175	6177	6178	6180	6181	6183	6183
540.3	170500	170500	170600	170600	170700	170800	170800	170900	171000	171000	171000
	6184	6186	6188	6189	6191	6192	6194	6195	6197	6199	6199
540.4	171100	171100	171200	171300	171300	171400	171500	171500	171600	171600	171600
	6200	6202	6203	6205	6206	6208	6210	6211	6213	6214	6214
540.5	171700	171800	171800	171900	172000	172000	172100	172100	172200	172300	172300
	6216	6217	6219	6221	6222	6224	6225	6227	6229	6230	6230
540.6	172300	172400	172400	172500	172600	172600	172700	172800	172800	172900	172900
	6232	6233	6235	6236	6238	6240	6241	6243	6244	6246	6246
540.7	172900	173000	173100	173100	173200	173300	173300	173400	173400	173500	173500
	6248	6249	6251	6252	6254	6255	6257	6259	6260	6262	6262
540.8	173600	173600	173700	173800	173800	173900	173900	174000	174100	174100	174100
	6263	6265	6267	6268	6270	6271	6273	6274	6276	6278	6278
540.9	174200	174300	174300	174400	174500	174500	174600	174600	174700	174800	174800
	6279	6281	6282	6284	6286	6287	6289	6290	6292	6294	6294
541.0	174800	174900	175000	175000	175100	175100	175200	175300	175300	175400	175400
	6295	6296	6297	6298	6299	6300	6301	6302	6303	6304	6304
541.1	175500	175500	175600	175600	175700	175800	175800	175900	176000	176000	176000
	6305	6306	6307	6308	6309	6310	6311	6312	6313	6314	6314
541.2	176100	176200	176200	176300	176300	176400	176500	176500	176600	176700	176700
	6315	6316	6317	6318	6319	6320	6321	6322	6323	6324	6324
541.3	176700	176800	176800	176900	177000	177000	177100	177200	177200	177300	177300
	6325	6326	6327	6328	6329	6330	6331	6332	6333	6334	6334
541.4	177400	177400	177500	177500	177600	177700	177700	177800	177900	177900	177900
	6335	6336	6337	6338	6339	6339	6340	6341	6342	6343	6343
541.5	178000	178100	178100	178200	178200	178300	178400	178400	178500	178600	178600
	6344	6345	6346	6347	6348	6349	6350	6351	6352	6353	6353
541.6	178600	178700	178700	178800	178900	178900	179000	179100	179100	179200	179200
	6354	6355	6356	6357	6358	6359	6360	6361	6362	6363	6363
541.7	179300	179300	179400	179400	179500	179600	179600	179700	179800	179800	179800
	6364	6365	6366	6367	6368	6369	6370	6371	6372	6373	6373
541.8	179900	180000	180000	180100	180100	180200	180300	180300	180400	180500	180500
	6374	6375	6376	6377	6378	6379	6380	6381	6382	6383	6383
541.9	180500	180600	180700	180700	180800	180900	180900	181000	181000	181100	181100
	6384	6385	6386	6387	6388	6389	6390	6391	6392	6393	6393

.1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

542.0	181200 6394	181200 6395	181300 6397	181400 6399	181400 6400	181500 6402	181600 6404	181600 6405	181700 6407	181700 6409
542.1	181800 6411	181900 6412	181900 6414	182000 6416	182100 6417	182100 6419	182200 6421	182300 6423	182300 6424	182400 6426
542.2	182500 6428	182500 6430	182600 6431	182600 6433	182700 6435	182800 6436	182800 6438	182900 6440	183000 6442	183000 6443
542.3	183100 6445	183200 6447	183200 6448	183300 6450	183400 6452	183400 6454	183500 6455	183500 6457	183600 6459	183700 6461
542.4	183700 6462	183800 6464	183900 6466	183900 6468	184000 6469	184100 6471	184100 6473	184200 6474	184300 6476	184300 6478

542.5	184400 6480	184500 6481	184500 6483	184600 6485	184600 6487	184700 6488	184800 6490	184800 6492	184900 6493	185000 6495
542.6	185000 6497	185100 6499	185200 6500	185200 6502	185300 6504	185400 6506	185400 6507	185500 6509	185600 6511	185600 6513
542.7	185700 6514	185800 6516	185800 6518	185900 6520	185900 6521	186000 6523	186100 6525	186100 6526	186200 6528	186300 6530
542.8	186300 6532	186400 6533	186500 6535	186500 6537	186600 6539	186700 6540	186700 6542	186800 6544	186900 6546	186900 6547
542.9	187000 6549	187100 6551	187100 6553	187200 6554	187300 6556	187300 6558	187400 6560	187500 6561	187500 6563	187600 6565

543.0	187600 6566	187700 6568	187800 6569	187800 6570	187900 6571	188000 6572	188000 6573	188100 6575	188200 6576	188200 6577
543.1	188300 6578	188400 6579	188400 6580	188500 6581	188600 6582	188600 6583	188700 6584	188800 6586	188800 6587	188900 6588
543.2	189000 6589	189000 6590	189100 6591	189200 6592	189200 6593	189300 6594	189400 6596	189400 6597	189500 6598	189600 6599
543.3	189600 6600	189700 6601	189800 6602	189800 6603	189900 6604	190000 6606	190000 6607	190100 6608	190200 6609	190200 6610
543.4	190300 6611	190400 6612	190400 6613	190500 6614	190500 6615	190600 6617	190700 6618	190700 6619	190800 6620	190900 6621

543.5	190900 6622	191000 6623	191100 6624	191100 6625	191200 6627	191300 6628	191300 6629	191400 6630	191500 6631	191500 6632
543.6	191600 6633	191700 6634	191700 6635	191800 6637	191900 6638	191900 6639	192000 6640	192100 6641	192100 6642	192200 6643
543.7	192300 6644	192300 6645	192400 6647	192500 6648	192500 6649	192600 6650	192700 6651	192700 6652	192800 6653	192900 6654
543.8	192900 6655	193000 6657	193100 6658	193100 6659	193200 6660	193300 6661	193300 6662	193400 6663	193500 6664	193500 6665
543.9	193600 6667	193700 6668	193700 6669	193800 6670	193900 6671	193900 6672	194000 6673	194100 6674	194100 6675	194200 6677

544.0	194300 6678	194300 6679	194400 6681	194500 6682	194500 6684	194600 6686	194700 6687	194700 6689	194800 6691	194900 6692
544.1	194900 6694	195000 6696	195100 6697	195100 6699	195200 6701	195300 6702	195300 6704	195400 6706	195500 6707	195500 6709
544.2	195600 6711	195700 6712	195700 6714	195800 6716	195900 6717	195900 6719	196000 6721	196100 6722	196100 6724	196200 6726
544.3	196300 6727	196300 6729	196400 6731	196500 6732	196500 6734	196600 6736	196700 6737	196800 6739	196800 6741	196900 6743
544.4	197000 6744	197000 6746	197100 6748	197200 6749	197200 6751	197300 6753	197400 6754	197400 6756	197500 6758	197600 6759

1988 SURVEY		Prado Dam									
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	
544.5	197600	197700	197800	197800	197900	198000	198000	198100	198200	198200	
	6761	6763	6764	6766	6768	6769	6771	6773	6774	6776	
544.6	198300	198400	198400	198500	198600	198600	198700	198800	198800	198900	
	6778	6779	6781	6783	6784	6786	6788	6789	6791	6793	
544.7	199000	199100	199100	199200	199300	199300	199400	199500	199500	199600	
	6794	6796	6798	6799	6801	6803	6805	6806	6808	6810	
544.8	199700	199700	199800	199900	199900	200000	200100	200100	200200	200300	
	6811	6813	6815	6816	6818	6820	6821	6823	6825	6826	
544.9	200300	200400	200500	200600	200600	200700	200800	200800	200900	201000	
	6828	6830	6831	6833	6835	6836	6838	6840	6842	6843	
545.0	201000	201100	201200	201200	201300	201400	201400	201500	201600	201600	
	6845	6846	6847	6849	6850	6851	6852	6853	6854	6855	
545.1	201700	201800	201900	201900	202000	202100	202100	202200	202300	202300	
	6856	6857	6859	6860	6861	6862	6863	6864	6865	6866	
545.2	202400	202500	202500	202600	202700	202700	202800	202900	203000	203000	
	6868	6869	6870	6871	6872	6873	6874	6875	6876	6878	
545.3	203100	203200	203200	203300	203400	203400	203500	203600	203600	203700	
	6879	6880	6881	6882	6883	6884	6885	6887	6888	6889	
545.4	203800	203800	203900	204000	204100	204100	204200	204300	204300	204400	
	6890	6891	6892	6893	6894	6895	6897	6898	6899	6900	
545.5	204500	204500	204600	204700	204700	204800	204900	204900	205000	205100	
	6901	6902	6903	6904	6906	6907	6908	6909	6910	6911	
545.6	205200	205200	205300	205400	205400	205500	205600	205600	205700	205800	
	6912	6913	6914	6916	6917	6918	6919	6920	6921	6922	
545.7	205800	205900	206000	206100	206100	206200	206300	206300	206400	206500	
	6923	6925	6926	6927	6928	6929	6930	6931	6932	6934	
545.8	206500	206600	206700	206700	206800	206900	207000	207000	207100	207200	
	6935	6936	6937	6938	6939	6940	6941	6943	6944	6945	
545.9	207200	207300	207400	207400	207500	207600	207700	207700	207800	207900	
	6946	6947	6948	6949	6950	6952	6953	6954	6955	6956	
546.0	207900	208000	208100	208100	208200	208300	208300	208400	208500	208600	
	6957	6959	6960	6962	6964	6966	6968	6970	6972	6973	
546.1	208600	208700	208800	208800	208900	209000	209000	209100	209200	209300	
	6975	6977	6979	6981	6983	6985	6987	6988	6990	6992	
546.2	209300	209400	209500	209500	209600	209700	209700	209800	209900	210000	
	6994	6996	6998	7000	7001	7003	7005	7007	7009	7011	
546.3	210000	210100	210200	210200	210300	210400	210400	210500	210600	210700	
	7013	7015	7016	7018	7020	7022	7024	7026	7028	7030	
546.4	210700	210800	210900	210900	211000	211100	211100	211200	211300	211400	
	7031	7033	7035	7037	7039	7041	7043	7045	7046	7048	
546.5	211400	211500	211600	211600	211700	211800	211900	211900	212000	212100	
	7050	7052	7054	7056	7058	7060	7061	7063	7065	7067	
546.6	212100	212200	212300	212300	212400	212500	212600	212600	212700	212800	
	7069	7071	7073	7075	7076	7078	7080	7082	7084	7086	
546.7	212800	212900	213000	213100	213100	213200	213300	213300	213400	213500	
	7088	7090	7091	7093	7095	7097	7099	7101	7103	7105	
546.8	213600	213600	213700	213800	213800	213900	214000	214100	214100	214200	
	7107	7108	7110	7112	7114	7116	7118	7120	7122	7123	
546.9	214300	214300	214400	214500	214500	214600	214700	214800	214800	214900	
	7125	7127	7129	7131	7133	7135	7137	7139	7140	7142	

1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

547.0	215000 7144	215000 7146	215100 7147	215200 7148	215300 7149	215300 7151	215400 7152	215500 7153	215500 7154	215600 7156
547.1	215700 7157	215800 7158	215800 7159	215900 7160	216000 7162	216100 7163	216100 7164	216200 7165	216300 7166	216300 7168
547.2	216400 7169	216500 7170	216600 7171	216600 7173	216700 7174	216800 7175	216800 7176	216900 7177	217000 7179	217100 7180
547.3	217100 7181	217200 7182	217300 7184	217300 7185	217400 7186	217500 7187	217600 7188	217600 7190	217700 7191	217800 7192
547.4	217800 7193	217900 7194	218000 7196	218100 7197	218100 7198	218200 7199	218300 7201	218300 7202	218400 7203	218500 7204

547.5	218600 7205	218600 7207	218700 7208	218800 7209	218900 7210	218900 7212	219000 7213	219100 7214	219100 7215	219200 7216
547.6	219300 7218	219400 7219	219400 7220	219500 7221	219600 7223	219600 7224	219700 7225	219800 7226	219900 7227	219900 7229
547.7	220000 7230	220100 7231	220200 7232	220200 7234	220300 7235	220400 7236	220400 7237	220500 7238	220600 7240	220700 7241
547.8	220700 7242	220800 7243	220900 7245	220900 7246	221000 7247	221100 7248	221200 7249	221200 7251	221300 7252	221400 7253
547.9	221500 7254	221500 7256	221600 7257	221700 7258	221700 7259	221800 7260	221900 7262	222000 7263	222000 7264	222100 7265

548.0	222200 7267	222300 7268	222300 7270	222400 7272	222500 7274	222500 7276	222600 7278	222700 7280	222800 7282	222800 7285
548.1	222900 7287	223000 7289	223100 7291	223100 7293	223200 7295	223300 7297	223300 7299	223400 7301	223500 7303	223600 7305
548.2	223600 7307	223700 7309	223800 7311	223900 7313	223900 7315	224000 7317	224100 7319	224200 7321	224200 7323	224300 7325
548.3	224400 7327	224400 7330	224500 7332	224600 7334	224700 7336	224700 7338	224800 7340	224900 7342	225000 7344	225000 7346
548.4	225100 7348	225200 7350	225300 7352	225300 7354	225400 7356	225500 7358	225500 7360	225600 7362	225700 7364	225800 7366

548.5	225800 7369	225900 7371	226000 7373	226100 7375	226100 7377	226200 7379	226300 7381	226400 7383	226400 7385	226500 7387
548.6	226600 7389	226700 7391	226700 7393	226800 7395	226900 7397	226900 7399	227000 7401	227100 7404	227200 7406	227200 7408
548.7	227300 7410	227400 7412	227500 7414	227500 7416	227600 7418	227700 7420	227800 7422	227800 7424	227900 7426	228000 7428
548.8	228100 7430	228100 7432	228200 7434	228300 7437	228400 7439	228400 7441	228500 7443	228600 7445	228700 7447	228700 7449
548.9	228800 7451	228900 7453	229000 7455	229000 7457	229100 7459	229200 7461	229200 7463	229300 7465	229400 7468	229500 7470

549.0	229500 7472	229600 7473	229700 7475	229800 7476	229800 7478	229900 7479	230000 7481	230100 7482	230100 7483	230200 7485
549.1	230300 7486	230400 7488	230400 7489	230500 7490	230600 7492	230700 7493	230700 7495	230800 7496	230900 7497	231000 7499
549.2	231000 7500	231100 7502	231200 7503	231300 7504	231300 7506	231400 7507	231500 7509	231600 7510	231600 7512	231700 7513
549.3	231800 7514	231900 7516	231900 7517	232000 7519	232100 7520	232200 7521	232200 7523	232300 7524	232400 7526	232500 7527
549.4	232500 7529	232600 7530	232700 7531	232800 7533	232800 7534	232900 7536	233000 7537	233100 7538	233200 7540	233200 7541

1988 SURVEY		Prado Dam								
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
549.5	233300 7543	233400 7544	233500 7545	233500 7547	233600 7548	233700 7550	233800 7551	233800 7553	233900 7554	234000 7555
549.6	234100 7557	234100 7558	234200 7560	234300 7561	234400 7562	234400 7564	234500 7565	234600 7567	234700 7568	234700 7570
549.7	234800 7571	234900 7572	235000 7574	235000 7575	235100 7577	235200 7578	235300 7580	235300 7581	235400 7582	235500 7584
549.8	235600 7585	235600 7587	235700 7588	235800 7589	235900 7591	235900 7592	236000 7594	236100 7595	236200 7597	236300 7598
549.9	236300 7599	236400 7601	236500 7602	236600 7604	236600 7605	236700 7606	236800 7608	236900 7609	236900 7611	237000 7612
550.0	237100 7614	237200 7615	237200 7616	237300 7618	237400 7619	237500 7621	237500 7622	237600 7624	237700 7625	237800 7626
550.1	237900 7628	237900 7629	238000 7631	238100 7632	238200 7633	238200 7635	238300 7636	238400 7638	238500 7639	238500 7640
550.2	238600 7642	238700 7643	238800 7645	238800 7646	238900 7648	239000 7649	239100 7650	239100 7652	239200 7653	239300 7655
550.3	239400 7656	239500 7657	239500 7659	239600 7660	239700 7662	239800 7663	239800 7665	239900 7666	240000 7667	240100 7669
550.4	240100 7670	240200 7672	240300 7673	240400 7675	240500 7676	240500 7677	240600 7679	240700 7680	240800 7682	240800 7683
550.5	240900 7684	241000 7686	241100 7687	241100 7689	241200 7690	241300 7692	241400 7693	241500 7694	241500 7696	241600 7697
550.6	241700 7699	241800 7700	241800 7702	241900 7703	242000 7704	242100 7706	242100 7707	242200 7709	242300 7710	242400 7711
550.7	242500 7713	242500 7714	242600 7716	242700 7717	242800 7719	242800 7720	242900 7721	243000 7723	243100 7724	243100 7726
550.8	243200 7727	243300 7729	243400 7730	243500 7731	243500 7733	243600 7734	243700 7736	243800 7737	243800 7739	243900 7740
550.9	244000 7741	244100 7743	244200 7744	244200 7746	244300 7747	244400 7749	244500 7750	244500 7751	244600 7753	244700 7754
551.0	244800 7756	244800 7757	244900 7759	245000 7760	245100 7762	245200 7763	245200 7765	245300 7766	245400 7768	245500 7769
551.1	245500 7771	245600 7772	245700 7774	245800 7775	245900 7777	245900 7778	246000 7780	246100 7781	246200 7783	246200 7784
551.2	246300 7786	246400 7787	246500 7789	246600 7790	246600 7792	246700 7793	246800 7795	246900 7796	246900 7798	247000 7799
551.3	247100 7801	247200 7802	247300 7804	247300 7805	247400 7807	247500 7808	247600 7810	247700 7811	247700 7813	247800 7814
551.4	247900 7816	248000 7817	248000 7819	248100 7820	248200 7822	248300 7823	248400 7825	248400 7826	248500 7828	248600 7829
551.5	248700 7831	248700 7832	248800 7834	248900 7835	249000 7837	249100 7838	249100 7840	249200 7841	249300 7843	249400 7844
551.6	249500 7846	249500 7847	249600 7849	249700 7850	249800 7852	249800 7853	249900 7855	250000 7856	250100 7858	250200 7859
551.7	250200 7861	250300 7862	250400 7864	250500 7865	250600 7867	250600 7868	250700 7870	250800 7871	250900 7873	250900 7874
551.8	251000 7876	251100 7877	251200 7879	251300 7880	251300 7882	251400 7883	251500 7885	251600 7886	251700 7888	251700 7889
551.9	251800 7891	251900 7892	252000 7894	252000 7895	252100 7897	252200 7898	252300 7900	252400 7901	252400 7903	252500 7905

1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

552.0	252600 7906	252700 7908	252800 7910	252800 7912	252900 7914	253000 7916	253100 7918	253200 7920	253200 7922	253300 7924
552.1	253400 7926	253500 7928	253600 7930	253600 7932	253700 7934	253800 7936	253900 7938	253900 7939	254000 7941	254100 7943
552.2	254200 7945	254300 7947	254300 7949	254400 7951	254500 7953	254600 7955	254700 7957	254700 7959	254800 7961	254900 7963
552.3	255000 7965	255100 7967	255100 7969	255200 7971	255300 7973	255400 7975	255500 7977	255500 7979	255600 7981	255700 7983
552.4	255800 7985	255900 7987	255900 7989	256000 7991	256100 7993	256200 7995	256300 7997	256300 7999	256400 8001	256500 8003

552.5	256600 8005	256700 8007	256700 8009	256800 8011	256900 8013	257000 8015	257100 8017	257100 8019	257200 8021	257300 8023
552.6	257400 8025	257500 8027	257500 8029	257600 8031	257700 8033	257800 8035	257900 8037	257900 8039	258000 8041	258100 8043
552.7	258200 8045	258300 8047	258300 8049	258400 8051	258500 8053	258600 8055	258700 8057	258700 8059	258800 8061	258900 8063
552.8	259000 8065	259100 8067	259100 8069	259200 8071	259300 8073	259400 8075	259500 8077	259600 8079	259600 8081	259700 8083
552.9	259800 8085	259900 8087	260000 8089	260000 8091	260100 8093	260200 8095	260300 8097	260400 8100	260400 8102	260500 8104

553.0	260600 8106	260700 8107	260800 8109	260800 8110	260900 8111	261000 8113	261100 8114	261200 8115	261300 8117	261300 8118
553.1	261400 8119	261500 8121	261600 8122	261700 8123	261700 8125	261800 8126	261900 8127	262000 8129	262100 8130	262100 8131
553.2	262200 8132	262300 8134	262400 8135	262500 8136	262600 8138	262600 8139	262700 8140	262800 8142	262900 8143	263000 8144
553.3	263000 8146	263100 8147	263200 8148	263300 8150	263400 8151	263400 8152	263500 8154	263600 8155	263700 8156	263800 8158
553.4	263900 8159	263900 8160	264000 8162	264100 8163	264200 8164	264300 8166	264300 8167	264400 8168	264500 8170	264600 8171

553.5	264700 8172	264800 8174	264800 8175	264900 8176	265000 8178	265100 8179	265200 8180	265200 8182	265300 8183	265400 8184
553.6	265500 8185	265600 8187	265700 8188	265700 8189	265800 8191	265900 8192	266000 8193	266100 8195	266100 8196	266200 8197
553.7	266300 8199	266400 8200	266500 8201	266600 8203	266600 8204	266700 8205	266800 8207	266900 8208	267000 8209	267000 8211
553.8	267100 8212	267200 8213	267300 8215	267400 8216	267500 8217	267500 8219	267600 8220	267700 8221	267800 8223	267900 8224
553.9	268000 8225	268000 8227	268100 8228	268200 8229	268300 8231	268400 8232	268400 8233	268500 8235	268600 8236	268700 8237

554.0	268800 8239	268900 8240	268900 8243	269000 8245	269100 8247	269200 8250	269300 8252	269400 8255	269400 8257	269500 8260
554.1	269600 8262	269700 8264	269800 8267	269800 8269	269900 8272	270000 8274	270100 8276	270200 8279	270300 8281	270300 8284
554.2	270400 8286	270500 8288	270600 8291	270700 8293	270800 8296	270800 8298	270900 8300	271000 8303	271100 8305	271200 8308
554.3	271300 8310	271300 8313	271400 8315	271500 8317	271600 8320	271700 8322	271800 8325	271800 8327	271900 8329	272000 8332
554.4	272100 8334	272200 8337	272300 8339	272300 8342	272400 8344	272500 8346	272600 8349	272700 8351	272800 8354	272800 8356

1988 SURVEY ELEV FEET	Prado Dam									
	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	CAP AREA .04	CAP AREA .05	CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
554.5	272900 8358	273000 8361	273100 8363	273200 8366	273300 8368	273300 8371	273400 8373	273500 8375	273600 8378	273700 8380
554.6	273800 8383	273800 8385	273900 8388	274000 8390	274100 8392	274200 8395	274300 8397	274300 8400	274400 8402	274500 8405
554.7	274600 8407	274700 8409	274800 8412	274900 8414	274900 8417	275000 8419	275100 8422	275200 8424	275300 8426	275400 8429
554.8	275400 8431	275500 8434	275600 8436	275700 8439	275800 8441	275900 8443	275900 8446	276000 8448	276100 8451	276200 8453
554.9	276300 8456	276400 8458	276500 8460	276500 8463	276600 8465	276700 8468	276800 8470	276900 8473	277000 8475	277000 8478
555.0	277100 8480	277200 8482	277300 8484	277400 8485	277500 8487	277600 8489	277600 8490	277700 8492	277800 8493	277900 8495
555.1	278000 8496	278100 8498	278100 8500	278200 8501	278300 8503	278400 8504	278500 8506	278600 8507	278700 8509	278700 8511
555.2	278800 8512	278900 8514	279000 8515	279100 8517	279200 8518	279300 8520	279300 8522	279400 8523	279500 8525	279600 8526
555.3	279700 8528	279800 8530	279900 8531	279900 8533	280000 8534	280100 8536	280200 8537	280300 8539	280400 8541	280400 8542
555.4	280500 8544	280600 8545	280700 8547	280800 8549	280900 8550	281000 8552	281000 8553	281100 8555	281200 8556	281300 8558
555.5	281400 8560	281500 8561	281600 8563	281600 8564	281700 8566	281800 8568	281900 8569	282000 8571	282100 8572	282200 8574
555.6	282200 8575	282300 8577	282400 8579	282500 8580	282600 8582	282700 8583	282800 8585	282800 8587	282900 8588	283000 8590
555.7	283100 8591	283200 8593	283300 8594	283400 8596	283400 8598	283500 8599	283600 8601	283700 8602	283800 8604	283900 8606
555.8	284000 8607	284100 8609	284100 8610	284200 8612	284300 8614	284400 8615	284500 8617	284600 8618	284700 8620	284700 8621
555.9	284800 8623	284900 8625	285000 8626	285100 8628	285200 8629	285300 8631	285300 8633	285400 8634	285500 8636	285600 8637
556.0	285700 8639	285800 8641	285900 8643	285900 8646	286000 8648	286100 8651	286200 8654	286300 8656	286400 8659	286500 8661
556.1	286600 8664	286600 8667	286700 8669	286800 8672	286900 8674	287000 8677	287100 8679	287200 8682	287200 8685	287300 8687
556.2	287400 8690	287500 8692	287600 8695	287700 8697	287800 8700	287900 8703	287900 8705	288000 8708	288100 8710	288200 8713
556.3	288300 8716	288400 8718	288500 8721	288600 8723	288600 8726	288700 8729	288800 8731	288900 8734	289000 8736	289100 8739
556.4	289200 8741	289300 8744	289300 8747	289400 8749	289500 8752	289600 8754	289700 8757	289800 8760	289900 8762	290000 8765
556.5	290000 8767	290100 8770	290200 8773	290300 8775	290400 8778	290500 8780	290600 8783	290700 8786	290700 8788	290800 8791
556.6	290900 8793	291000 8796	291100 8799	291200 8801	291300 8804	291400 8806	291400 8809	291500 8812	291600 8814	291700 8817
556.7	291800 8819	291900 8822	292000 8825	292100 8827	292100 8830	292200 8832	292300 8835	292400 8838	292500 8840	292600 8843
556.8	292700 8845	292800 8848	292900 8851	292900 8853	293000 8856	293100 8858	293200 8861	293300 8864	293400 8866	293500 8869
556.9	293600 8871	293700 8874	293700 8877	293800 8879	293900 8882	294000 8884	294100 8887	294200 8890	294300 8892	294400 8895

ELEV FEET	-1988 SURVEY									
	CAP AREA .00	CAP AREA .01	CAP AREA .02	CAP AREA .03	Prado Dam		CAP AREA .06	CAP AREA .07	CAP AREA .08	CAP AREA .09
					CAP AREA .04	CAP AREA .05				

557.0	294500 8898	294500 8900	294600 8902	294700 8903	294800 8905	294900 8906	295000 8908	295100 8910	295200 8911	295300 8913
557.1	295300 8914	295400 8916	295500 8917	295600 8919	295700 8921	295800 8922	295900 8924	296000 8925	296100 8927	296100 8929
557.2	296200 8930	296300 8932	296400 8933	296500 8935	296600 8937	296700 8938	296800 8940	296900 8941	297000 8943	297000 8945
557.3	297100 8946	297200 8948	297300 8949	297400 8951	297500 8953	297600 8954	297700 8956	297800 8957	297800 8959	297900 8961
557.4	298000 8962	298100 8964	298200 8965	298300 8967	298400 8969	298500 8970	298600 8972	298700 8973	298700 8975	298800 8977

557.5	298900 8978	299000 8980	299100 8981	299200 8983	299300 8984	299400 8986	299500 8988	299600 8989	299600 8991	299700 8992
557.6	299800 8994	299900 8996	300000 8997	300100 8999	300200 9000	300300 9002	300400 9004	300500 9005	300500 9007	300600 9008
557.7	300700 9010	300800 9012	300900 9013	301000 9015	301100 9016	301200 9018	301300 9020	301400 9021	301400 9023	301500 9025
557.8	301600 9026	301700 9028	301800 9029	301900 9031	302000 9033	302100 9034	302200 9036	302300 9037	302300 9039	302400 9041
557.9	302500 9042	302600 9044	302700 9045	302800 9047	302900 9049	303000 9050	303100 9052	303200 9053	303200 9055	303300 9057

558.0	303400 9058	303500 9060	303600 9062	303700 9065	303800 9068	303900 9070	304000 9073	304100 9075	304200 9078	304200 9080
558.1	304300 9083	304400 9085	304500 9088	304600 9090	304700 9093	304800 9095	304900 9098	305000 9100	305100 9103	305200 9105
558.2	305200 9108	305300 9110	305400 9113	305500 9116	305600 9118	305700 9121	305800 9123	305900 9126	306000 9128	306100 9131
558.3	306200 9133	306200 9136	306300 9138	306400 9141	306500 9143	306600 9146	306700 9149	306800 9151	306900 9154	307000 9156
558.4	307100 9159	307200 9161	307300 9164	307300 9166	307400 9169	307500 9171	307600 9174	307700 9176	307800 9179	307900 9182

558.5	308000 9184	308100 9187	308200 9189	308300 9192	308400 9194	308400 9197	308500 9199	308600 9202	308700 9204	308800 9207
558.6	308900 9209	309000 9212	309100 9215	309200 9217	309300 9220	309400 9222	309500 9225	309600 9227	309600 9230	309700 9232
558.7	309800 9235	309900 9238	310000 9240	310100 9243	310200 9245	310300 9248	310400 9250	310500 9253	310600 9255	310700 9258
558.8	310800 9260	310800 9263	310900 9266	311000 9268	311100 9271	311200 9273	311300 9276	311400 9278	311500 9281	311600 9283
558.9	311700 9286	311800 9289	311900 9291	312000 9294	312100 9296	312100 9299	312200 9301	312300 9304	312400 9306	312500 9309

559.0	312600 9312	312700 9314	312800 9315	312900 9317	313000 9318	313100 9320	313200 9321	313300 9323	313400 9324	313500 9326
559.1	313500 9327	313600 9329	313700 9330	313800 9332	313900 9333	314000 9335	314100 9336	314200 9338	314300 9339	314400 9341
559.2	314500 9342	314600 9343	314700 9345	314800 9346	314900 9348	314900 9349	315000 9351	315100 9352	315200 9354	315300 9355
559.3	315400 9357	315500 9358	315600 9360	315700 9361	315800 9363	315900 9364	316000 9366	316100 9367	316200 9369	316300 9370
559.4	316300 9371	316400 9373	316500 9374	316600 9376	316700 9377	316800 9379	316900 9380	317000 9382	317100 9383	317200 9385

1988 SURVEY		Prado Dam									
ELEV	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP	CAP
FEET	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	
559.5	317300 9386	317400 9388	317500 9389	317600 9391	317700 9392	317800 9394	317800 9395	317900 9397	318000 9398	318100 9400	
559.6	318200 9401	318300 9403	318400 9404	318500 9405	318600 9407	318700 9408	318800 9410	318900 9411	319000 9413	319100 9414	
559.7	319200 9416	319300 9417	319400 9419	319400 9420	319500 9422	319600 9423	319700 9425	319800 9426	319900 9428	320000 9429	
559.8	320100 9431	320200 9432	320300 9434	320400 9435	320500 9437	320600 9438	320700 9440	320800 9441	320900 9442	321000 9444	
559.9	321100 9445	321100 9447	321200 9448	321300 9450	321400 9451	321500 9453	321600 9454	321700 9456	321800 9457	321900 9459	
560.0	322000 9460	322100 9462	322200 9465	322300 9469	322400 9472	322500 9475	322600 9479	322700 9482	322800 9485	322800 9489	
560.1	322900 9492	323000 9495	323100 9499	323200 9502	323300 9506	323400 9509	323500 9512	323600 9516	323700 9519	323800 9522	
560.2	323900 9526	324000 9529	324100 9532	324200 9536	324300 9539	324400 9542	324500 9546	324600 9549	324700 9553	324800 9556	
560.3	324800 9559	324900 9563	325000 9566	325100 9569	325200 9573	325300 9576	325400 9580	325500 9583	325600 9586	325700 9590	
560.4	325800 9593	325900 9596	326000 9600	326100 9603	326200 9607	326300 9610	326400 9613	326500 9617	326600 9620	326700 9623	
560.5	326800 9627	326900 9630	327000 9634	327100 9637	327200 9640	327200 9644	327300 9647	327400 9650	327500 9654	327600 9657	
560.6	327700 9661	327800 9664	327900 9667	328000 9671	328100 9674	328200 9678	328300 9681	328400 9684	328500 9688	328600 9691	
560.7	328700 9694	328800 9698	328900 9701	329000 9705	329100 9708	329200 9711	329300 9715	329400 9718	329500 9722	329600 9725	
560.8	329700 9728	329800 9732	329900 9735	330000 9739	330100 9742	330200 9745	330300 9749	330400 9752	330400 9756	330500 9759	
560.9	330600 9762	330700 9766	330800 9769	330900 9773	331000 9776	331100 9779	331200 9783	331300 9786	331400 9790	331500 9793	
561.0	331600 9796	331700 9800	331800 9802	331900 9803	332000 9805	332100 9807	332200 9809	332300 9811	332400 9813	332500 9815	
561.1	332600 9816	332700 9818	332800 9820	332900 9822	333000 9824	333100 9826	333200 9828	333300 9829	333400 9831	333500 9833	
561.2	333600 9835	333700 9837	333800 9839	333900 9841	334000 9842	334100 9844	334200 9846	334300 9848	334400 9850	334500 9852	
561.3	334600 9854	334700 9855	334800 9857	334900 9859	335000 9861	335100 9863	335200 9865	335300 9867	335400 9868	335500 9870	
561.4	335600 9872	335700 9874	335800 9876	335800 9878	335900 9880	336000 9881	336100 9883	336200 9885	336300 9887	336400 9889	
561.5	336500 9891	336600 9893	336700 9895	336800 9896	336900 9898	337000 9900	337100 9902	337200 9904	337300 9906	337400 9908	
561.6	337500 9909	337600 9911	337700 9913	337800 9915	337900 9917	338000 9919	338100 9921	338200 9922	338300 9924	338400 9926	
561.7	338500 9928	338600 9930	338700 9932	338800 9934	338900 9936	339000 9937	339100 9939	339200 9941	339300 9943	339400 9945	
561.8	339500 9947	339600 9949	339700 9950	339800 9952	339900 9954	340000 9956	340100 9958	340200 9960	340300 9962	340400 9964	
561.9	340500 9965	340600 9967	340700 9969	340800 9971	340900 9973	341000 9975	341100 9977	341200 9979	341300 9980	341400 9982	

1988 SURVEY		Prado Dam								
ELEV	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA	CAP AREA
FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09

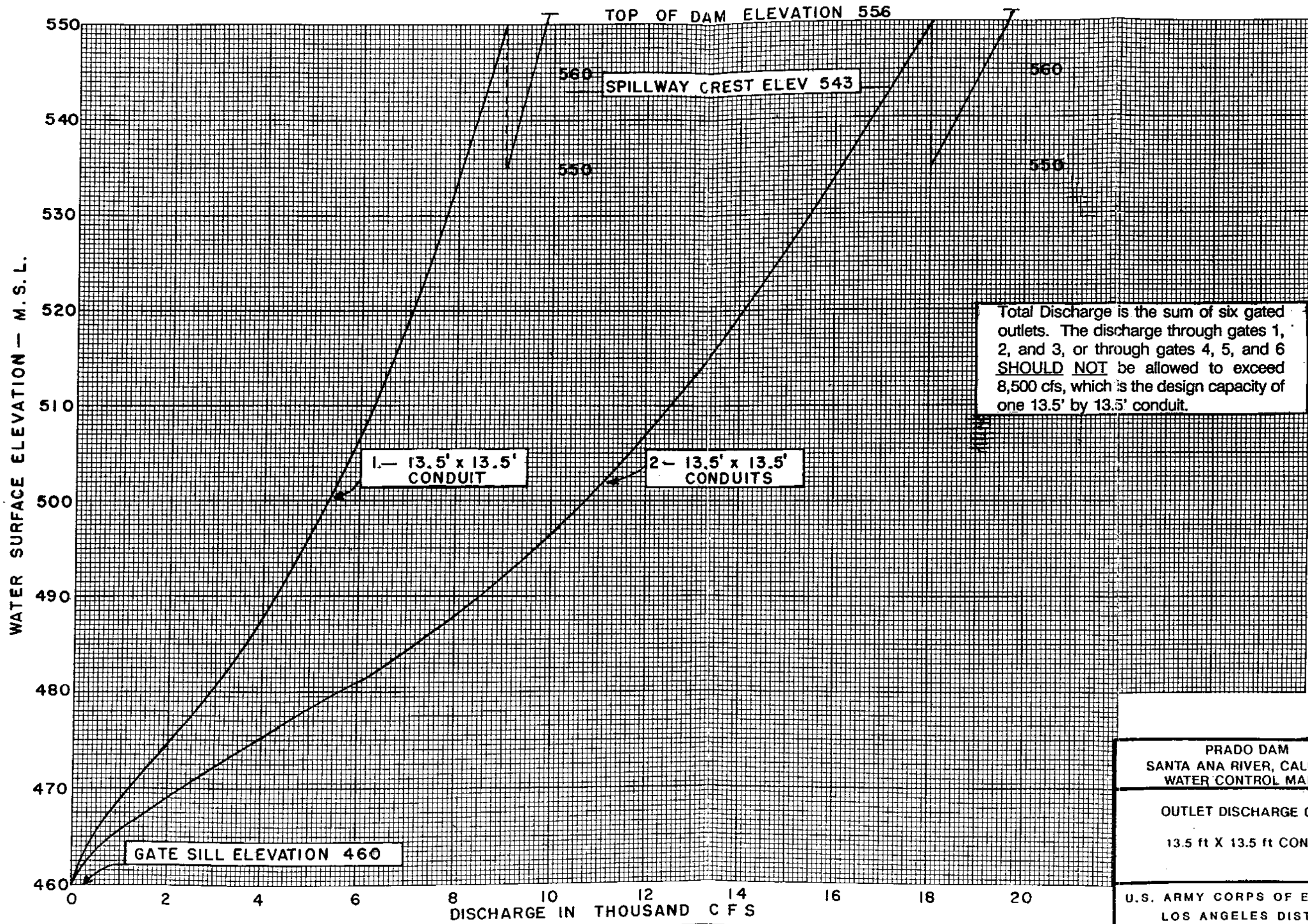
562.0	341500 9984	341600 9986	341700 9989	341800 9992	341900 9995	342000 9998	342100 10000	342200 10000	342300 10010	342400 10010
562.1	342500 10010	342600 10020	342700 10020	342800 10020	342900 10020	343000 10030	343100 10030	343200 10030	343300 10040	343400 10040
562.2	343500 10040	343600 10040	343700 10050	343800 10050	343900 10050	344000 10060	344100 10060	344200 10060	344300 10060	344400 10070
562.3	344500 10070	344600 10070	344700 10080	344800 10080	344900 10080	345000 10080	345100 10090	345200 10090	345300 10090	345400 10100
562.4	345500 10100	345600 10100	345700 10110	345800 10110	345900 10110	346000 10110	346100 10120	346200 10120	346300 10120	346400 10130

562.5	346500 10130	346600 10130	346700 10130	346800 10140	346900 10140	347000 10140	347100 10150	347200 10150	347300 10150	347400 10150
562.6	347500 10160	347700 10160	347800 10160	347900 10170	348000 10170	348100 10170	348200 10180	348300 10180	348400 10180	348500 10180
562.7	348600 10190	348700 10190	348800 10190	348900 10200	349000 10200	349100 10200	349200 10200	349300 10210	349400 10210	349500 10210
562.8	349600 10220	349700 10220	349800 10220	349900 10230	350000 10230	350100 10230	350200 10230	350300 10240	350400 10240	350500 10240
562.9	350600 10250	350700 10250	350800 10250	350900 10250	351000 10260	351100 10260	351200 10260	351300 10270	351400 10270	351500 10270

563.0	351600 10280	351700 10280	351800 10280	351900 10280	352000 10280	352100 10290	352300 10290	352400 10290	352500 10290	352600 10290
563.1	352700 10300	352800 10300	352900 10300	353000 10300	353100 10300	353200 10310	353300 10310	353400 10310	353500 10310	353600 10310
563.2	353700 10320	353800 10320	353900 10320	354000 10320	354100 10320	354200 10330	354300 10330	354400 10330	354500 10330	354600 10330
563.3	354700 10340	354800 10340	354900 10340	355000 10340	355100 10340	355200 10350	355300 10350	355500 10350	355600 10350	355700 10350
563.4	355800 10360	355900 10360	356000 10360	356100 10360	356200 10360	356300 10370	356400 10370	356500 10370	356600 10370	356700 10370

563.5	356800 10380	356900 10380	357000 10380	357100 10380	357200 10380	357300 10390	357400 10390	357500 10390	357600 10390	357700 10390
563.6	357800 10400	357900 10400	358000 10400	358100 10400	358300 10400	358400 10410	358500 10410	358600 10410	358700 10410	358800 10410
563.7	358900 10420	359000 10420	359100 10420	359200 10420	359300 10420	359400 10430	359500 10430	359600 10430	359700 10430	359800 10430
563.8	359900 10440	360000 10440	360100 10440	360200 10440	360300 10440	360400 10450	360500 10450	360600 10450	360800 10450	360900 10450
563.9	361000 10460	361100 10460	361200 10460	361300 10460	361400 10460	361500 10470	361600 10470	361700 10470	361800 10470	361900 10470

564.0	362000 10480	362100 10480	362200 10480	362300 10480	362400 10490	362500 10490	362600 10490	362700 10500	362800 10500	363000 10500
564.1	363100 10510	363200 10510	363300 10510	363400 10510	363500 10520	363600 10520	363700 10520	363800 10530	363900 10530	364000 10530
564.2	364100 10540	364200 10540	364300 10540	364400 10550	364500 10550	364600 10550	364700 10550	364800 10560	365000 10560	365100 10560
564.3	365200 10570	365300 10570	365400 10570	365500 10580	365600 10580	365700 10580	365800 10590	365900 10590	366000 10590	366100 10600
564.4	366200 10600	366300 10600	366400 10600	366500 10610	366600 10610	366800 10610	366900 10620	367000 10620	367100 10620	367200 10630

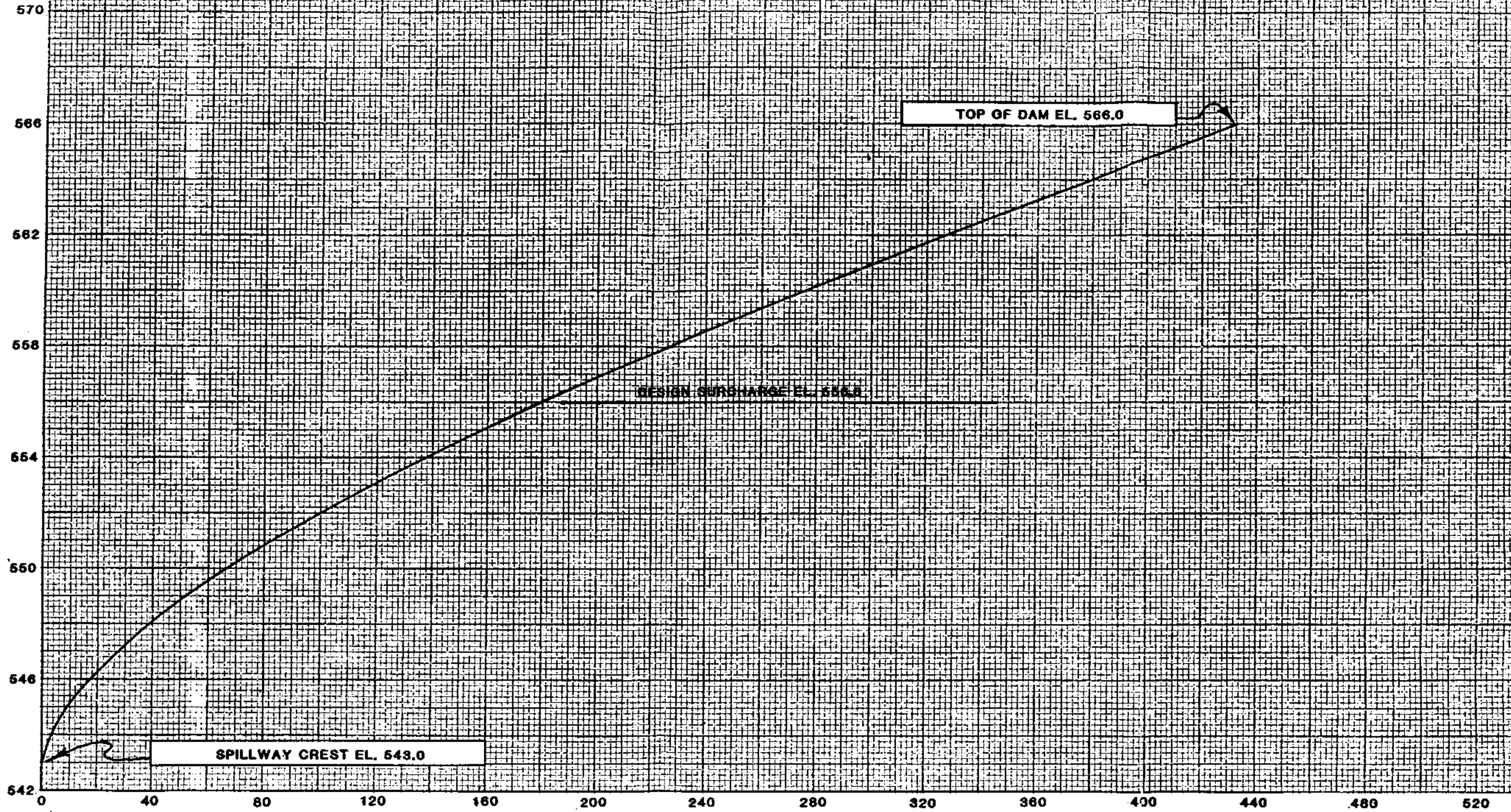


PRADO DAM
 SANTA ANA RIVER, CALIFORNIA
 WATER CONTROL MANUAL

OUTLET DISCHARGE CURVE
 13.5 ft X 13.5 ft CONDUITS

U.S. ARMY CORPS OF ENGINEERS
 LOS ANGELES DISTRICT

RESERVOIR WATER SURFACE ELEVATION IN FEET, MSL DATUM



DISCHARGE IN THOUSAND C. F. S.

PRADO DAM
SANTA ANA RIVER, CALIFORNIA
WATER CONTROL MANUAL

SPILLWAY DISCHARGE CURVE

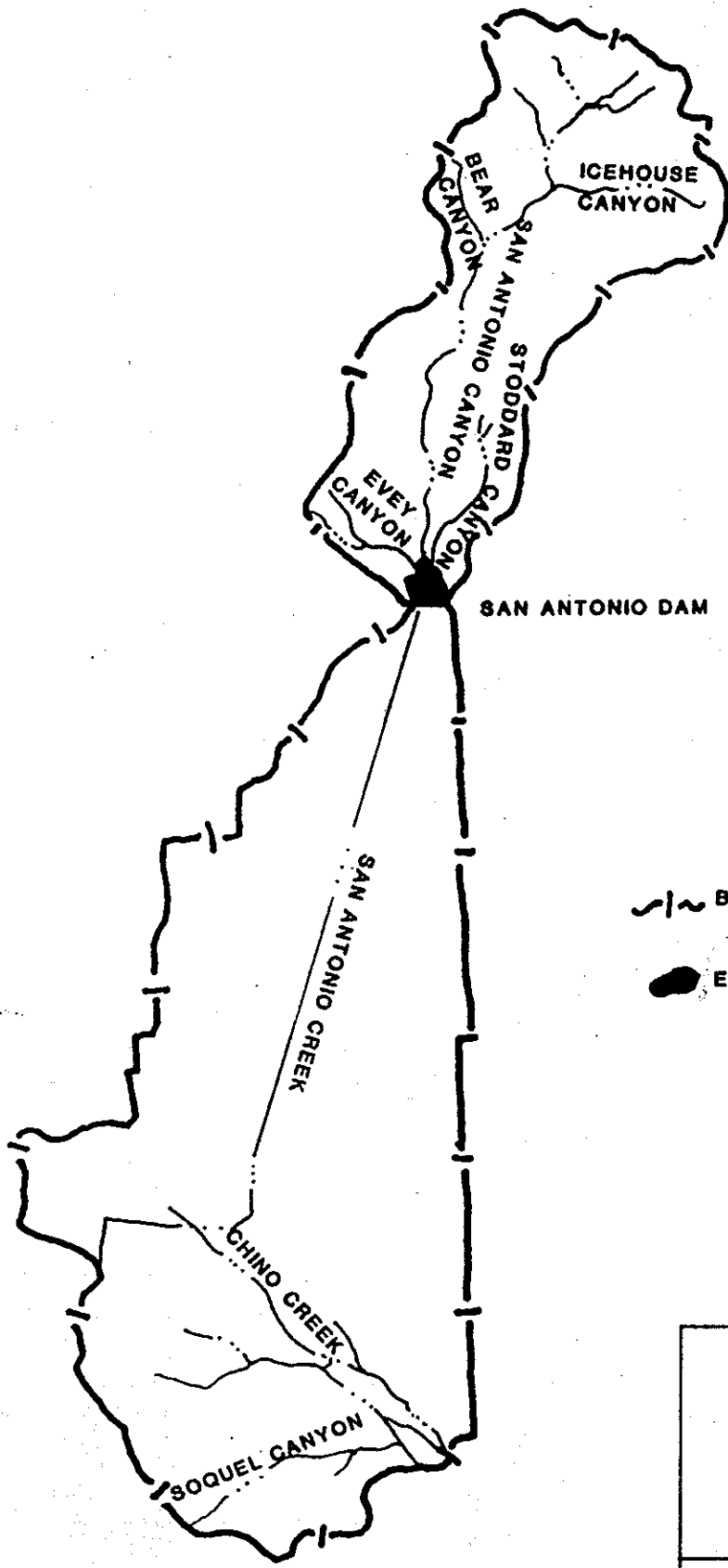
U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT

SAN ANTONIO DAM AND RESERVOIR
LOS ANGELES COUNTY AND SAN BERNARDINO COUNTY, CALIFORNIA

PERTINENT DATA
JULY 1990

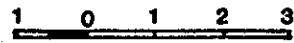
Stream System.....	San Antonio Creek
Drainage Area.....sq. mi...	26.7
Reservoir:	
Elevation	
Streambed at upstream toe of dam.....ft, NGVD...	2,125
Debris Pool.....ft, NGVD...	2,164
Flood control pool (spillway crest).....ft, NGVD...	2,238
Spillway design surcharge level.....ft, NGVD...	2,254.4
Top of dam.....ft, NGVD...	2,260
Area	
Debris pool.....acres..	59
Spillway crest.....acres..	145
Spillway design surcharge level.....acres..	163
Top of dam.....acres..	168
Capacity, gross	
Debris pool.....acre-ft..	953 (0.67*)
Spillway crest.....acre-ft..	8,535 (6.02*)
Spillway design surcharge level.....acre-ft..	11,063 (7.83*)
Top of Dam.....acre-ft..	11,992 (8.46*)
Allowance for sediment	
50-year.....acre-ft..	2,000
Reservoir design flood.....acre-ft..	1,350
Dam: - Type.....	
Height above original streambed.....ft..	Earth 160
Top length.....ft..	3,850
Top width.....ft..	30
Freeboard.....ft..	5.1
Spillway: - Type.....Ungated overflow concrete ogee	
Crest length.....ft..	200
Design surcharge.....ft..	16.4
Design discharge.....c.f.s..	51,160
Outlets:	
Gates - type.....	
Number and size.....	Vertical lift 3 - 5'-8"W x 10'H
Gate sill elevation.....ft., NGVD...	2,125
Conduits	
Number and size - diameter.....ft..	1 - 14.5
Length.....ft..	508
Maximum capacity at spillway crest.....c.f.s..	11,800
Regulated capacity at spillway crest.....c.f.s..	8,000
Reservoir design flood:	
Duration (inflow).....Days..	2
Total volume.....acre-ft..	22,500 (15.81*)
Inflow peak.....c.f.s..	19,000
Spillway design flood:	
Duration (inflow).....Days..	1
Total volume.....acre-ft..	18,200 (11.90*)
Inflow peak.....c.f.s..	60,000
Historic maximums:	
Maximum release.....c.f.s..	8,420
Date.....	1-25-69
Maximum water surface elevation.....ft., NGVD...	2225.6
Date.....	2-19-80

* inches of runoff



LEGEND

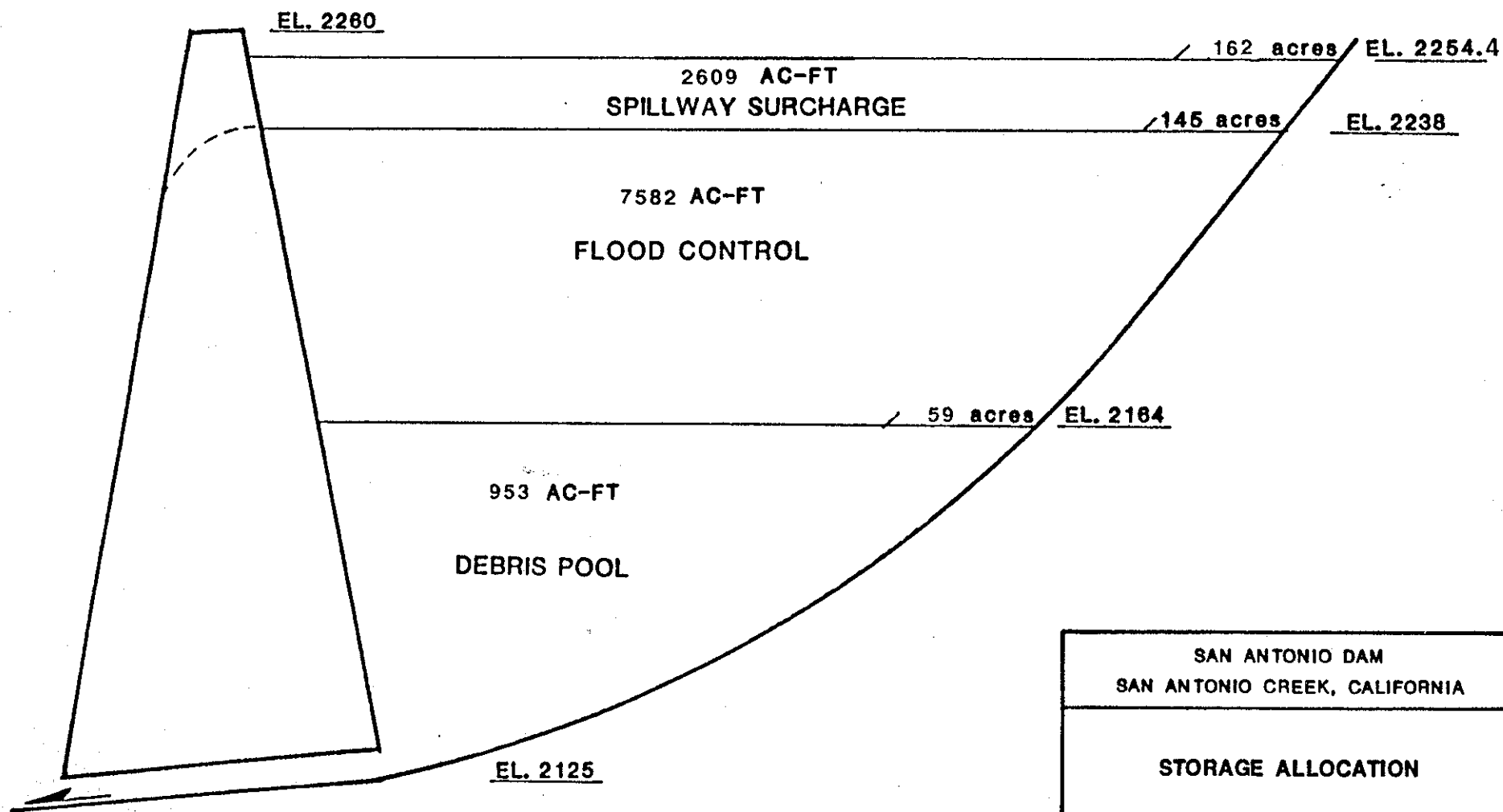
-  **BOUNDARY OF DRAINAGE AREA**
-  **EXISTING RESERVOIR**



SCALE IN MILES

SAN ANTONIO DAM
DRAINAGE AREA
U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT

SAN ANTONIO RESERVOIR, CALIFORNIA

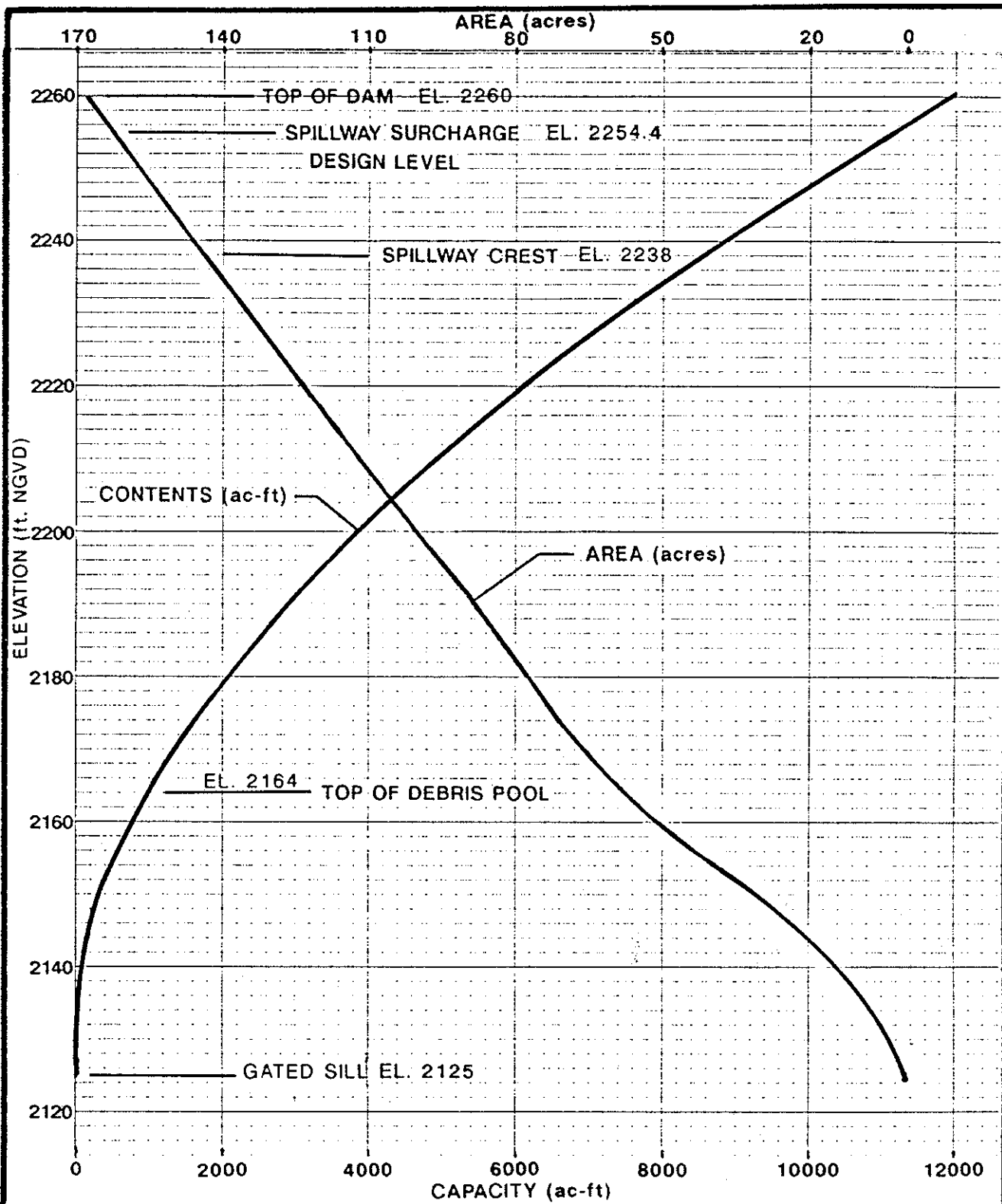


SOURCE:
LAD RESERVOIR REGULATION FROM SURVEY OF 21 FEBRUARY 1990

SAN ANTONIO DAM
SAN ANTONIO CREEK, CALIFORNIA

STORAGE ALLOCATION

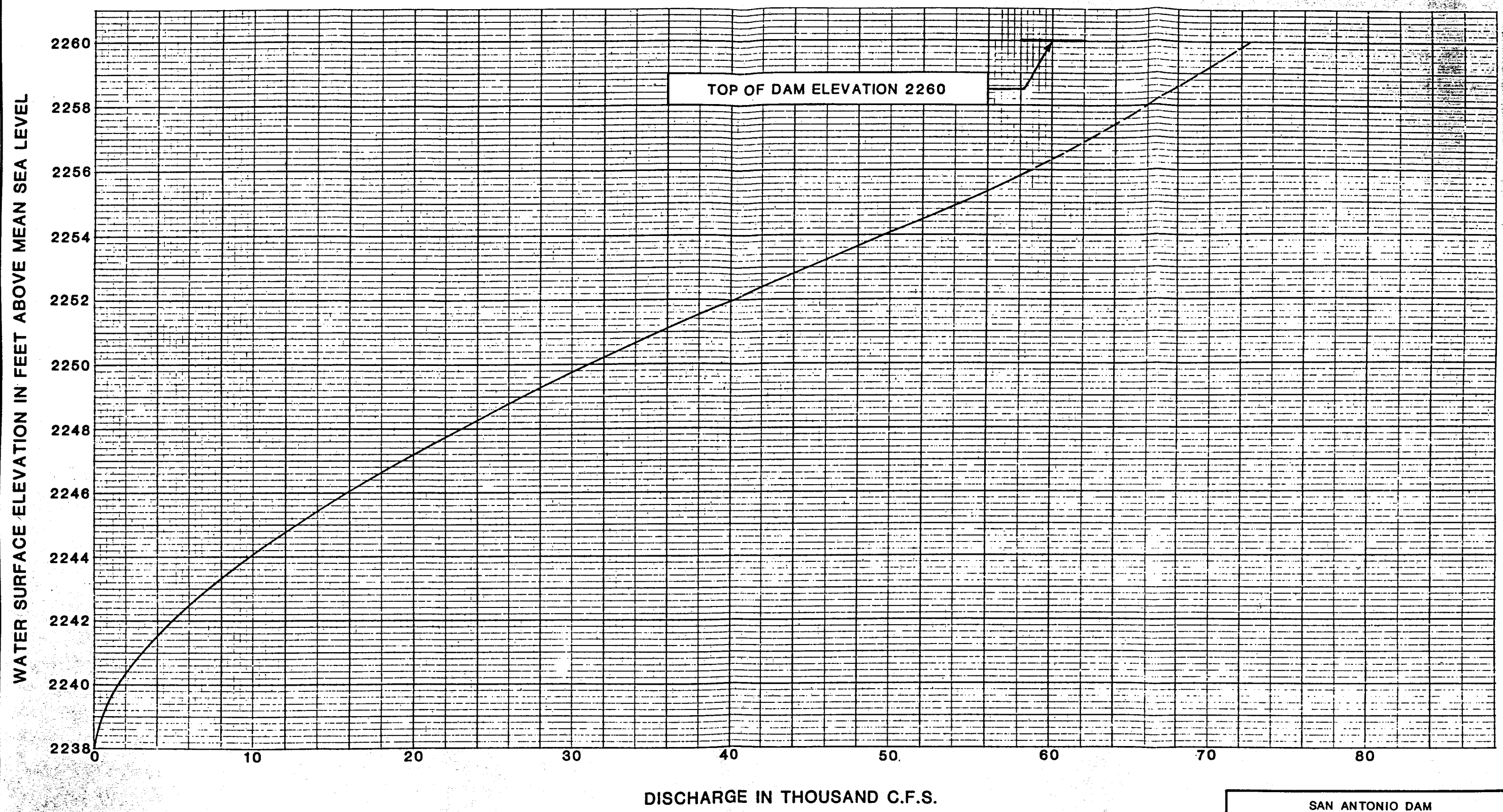
U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT



SAN ANTONIO DAM
 SAN ANTONIO CREEK, CALIFORNIA

SAN ANTONIO DAM
 ELEVATION-AREA-CAPACITY
 CURVES
 SURVEY OF 21 FEBRUARY 1990
U.S. ARMY CORPS OF ENGINEERS
 LOS ANGELES DISTRICT

SOURCE:
 LAD RESERVOIR REGULATION



NOTE:
CURVE BASED ON 1:36 SCALE MODEL STUDY
SPILLWAY LENGTH = 200 FEET

SAN ANTONIO DAM SAN ANTONIO CREEK, CALIFORNIA
SPILLWAY DISCHARGE CURVE
U.S. ARMY CORPS OF ENGINEERS LOS ANGELES DISTRICT

SAN ANTONIO DAM ELEVATION VS. CAPACITY SURVEY DATE: 21 FEB 1990

ELEV FEET	CAP .0	CAP .1	CAP .2	CAP .3	CAP .4	CAP .5	CAP .6	CAP .7	CAP .8	CAP .9
2125.0	0	0	0	0	0	0	0	0	0	0
2126.0	0	0	0	0	0	0	0	0	0	0
2127.0	0	0	0	0	0	0	0	1	1	1
2128.0	1	1	1	2	2	2	2	2	3	3
2129.0	3	3	4	4	4	5	5	5	6	6
2130.0	6	7	7	8	8	9	9	10	10	10
2131.0	11	11	12	12	13	13	14	14	15	15
2132.0	15	16	16	17	17	18	18	19	19	20
2133.0	20	21	21	22	23	23	24	24	25	25
2134.0	26	26	27	27	28	28	29	30	30	31
2135.0	31	32	33	33	34	34	35	36	36	37
2136.0	37	38	39	39	40	41	41	42	43	44
2137.0	44	45	46	47	47	48	49	50	50	51
2138.0	52	53	54	55	55	56	57	58	59	60
2139.0	61	62	64	65	66	67	68	69	71	72
2140.0	73	74	76	77	79	80	81	83	84	86
2141.0	87	89	90	92	93	95	97	98	100	102
2142.0	103	105	107	109	110	112	114	116	118	120
2143.0	122	123	125	127	129	131	133	135	137	139
2144.0	141	143	146	148	150	152	154	156	159	161
2145.0	163	165	168	170	172	175	177	179	182	184
2146.0	187	189	192	194	197	199	202	205	207	210
2147.0	213	215	218	221	224	227	230	232	235	238
2148.0	241	244	247	250	253	256	260	263	266	269
2149.0	272	275	278	282	285	288	291	295	298	301
2150.0	305	308	311	315	318	321	325	328	332	335
2151.0	339	342	346	349	353	356	360	363	367	370
2152.0	374	378	381	385	388	392	396	399	403	407
2153.0	411	414	418	422	426	430	433	437	441	445
2154.0	449	453	457	461	465	469	473	477	481	485
2155.0	489	493	497	502	506	510	514	519	523	527
2156.0	532	536	540	545	549	554	558	563	567	572
2157.0	576	581	586	590	595	600	605	609	614	619
2158.0	624	629	633	638	643	648	653	658	663	668
2159.0	673	679	684	689	694	699	704	710	715	720
2160.0	726	731	736	742	747	753	758	764	769	775
2161.0	780	786	791	797	802	808	814	819	825	831
2162.0	836	842	848	854	859	865	871	877	883	888
2163.0	894	900	906	912	918	924	929	935	941	947
2164.0	953	959	965	971	977	983	989	995	1001	1008
2165.0	1014	1020	1026	1032	1038	1044	1051	1057	1063	1069
2166.0	1075	1082	1088	1094	1101	1107	1113	1120	1126	1132
2167.0	1139	1145	1151	1158	1164	1171	1177	1184	1190	1197
2168.0	1203	1210	1216	1223	1230	1236	1243	1249	1256	1263
2169.0	1269	1276	1283	1289	1296	1303	1309	1316	1323	1330
2170.0	1337	1343	1350	1357	1364	1371	1377	1384	1391	1398
2171.0	1405	1412	1419	1426	1433	1439	1446	1453	1460	1467
2172.0	1474	1481	1488	1495	1503	1510	1517	1524	1531	1538
2173.0	1545	1552	1559	1567	1574	1581	1588	1595	1603	1610
2174.0	1617	1624	1632	1639	1646	1654	1661	1668	1676	1683
2175.0	1690	1698	1705	1713	1720	1728	1735	1743	1750	1758
2176.0	1765	1773	1780	1788	1795	1803	1810	1818	1826	1833
2177.0	1841	1849	1856	1864	1872	1879	1887	1895	1902	1910
2178.0	1918	1925	1933	1941	1949	1956	1964	1972	1980	1988
2179.0	1995	2003	2011	2019	2027	2034	2042	2050	2058	2066
2180.0	2074	2082	2090	2098	2106	2113	2121	2129	2137	2145
2181.0	2153	2161	2169	2177	2185	2193	2201	2210	2218	2226
2182.0	2234	2242	2250	2258	2266	2274	2282	2291	2299	2307
2183.0	2315	2323	2332	2340	2348	2356	2364	2373	2381	2389
2184.0	2397	2406	2414	2422	2431	2439	2447	2456	2464	2472
2185.0	2481	2489	2497	2506	2514	2523	2531	2540	2548	2556
2186.0	2565	2573	2582	2590	2599	2607	2616	2624	2633	2641
2187.0	2650	2658	2667	2676	2684	2693	2701	2710	2719	2727
2188.0	2736	2745	2753	2762	2770	2779	2788	2797	2805	2814
2189.0	2823	2831	2840	2849	2858	2866	2875	2884	2893	2902
2190.0	2910	2919	2928	2937	2946	2955	2964	2972	2981	2990
2191.0	2999	3008	3017	3026	3035	3044	3053	3062	3071	3080
2192.0	3089	3098	3108	3117	3126	3135	3144	3153	3162	3171
2193.0	3181	3190	3199	3208	3218	3227	3236	3245	3255	3264
2194.0	3273	3283	3292	3301	3311	3320	3329	3339	3348	3358

SAN ANTONIO DAM ELEVATION VS. CAPACITY SURVEY DATE: 21 FEB 1990

ELEV FEET	CAP .0	CAP .1	CAP .2	CAP .3	CAP .4	CAP .5	CAP .6	CAP .7	CAP .8	CAP .9
2195.0	3367	3376	3386	3395	3405	3414	3424	3433	3443	3452
2196.0	3462	3472	3481	3491	3500	3510	3520	3529	3539	3549
2197.0	3558	3568	3578	3587	3597	3607	3616	3626	3636	3646
2198.0	3656	3665	3675	3685	3695	3705	3714	3724	3734	3744
2199.0	3754	3764	3774	3784	3794	3804	3814	3824	3834	3844
2200.0	3854	3864	3874	3884	3894	3904	3914	3924	3934	3944
2201.0	3955	3965	3975	3985	3995	4006	4016	4026	4036	4047
2202.0	4057	4067	4077	4088	4098	4108	4119	4129	4139	4150
2203.0	4160	4171	4181	4192	4202	4212	4223	4233	4244	4254
2204.0	4265	4275	4286	4297	4307	4318	4328	4339	4350	4360
2205.0	4371	4382	4392	4403	4414	4424	4435	4446	4456	4467
2206.0	4478	4489	4500	4510	4521	4532	4543	4554	4565	4576
2207.0	4586	4597	4608	4619	4630	4641	4652	4663	4674	4685
2208.0	4696	4707	4718	4729	4740	4751	4763	4774	4785	4796
2209.0	4807	4818	4829	4841	4852	4863	4874	4885	4897	4908
2210.0	4919	4930	4942	4953	4964	4976	4987	4998	5010	5021
2211.0	5032	5044	5055	5067	5078	5090	5101	5112	5124	5135
2212.0	5147	5158	5170	5181	5193	5205	5216	5228	5239	5251
2213.0	5263	5274	5286	5298	5309	5321	5333	5344	5356	5368
2214.0	5379	5391	5403	5415	5427	5438	5450	5462	5474	5486
2215.0	5498	5509	5521	5533	5545	5557	5569	5581	5593	5605
2216.0	5617	5629	5641	5653	5665	5677	5689	5701	5713	5725
2217.0	5737	5749	5761	5774	5786	5798	5810	5822	5834	5846
2218.0	5859	5871	5883	5895	5908	5920	5932	5944	5957	5969
2219.0	5981	5994	6006	6018	6031	6043	6056	6068	6080	6093
2220.0	6105	6118	6130	6143	6155	6168	6180	6193	6205	6218
2221.0	6230	6243	6255	6268	6281	6293	6306	6318	6331	6344
2222.0	6356	6369	6382	6394	6407	6420	6433	6445	6458	6471
2223.0	6484	6497	6509	6522	6535	6548	6561	6574	6587	6599
2224.0	6612	6625	6638	6651	6664	6677	6690	6703	6716	6729
2225.0	6742	6755	6768	6781	6794	6807	6821	6834	6847	6860
2226.0	6873	6886	6899	6913	6926	6939	6952	6965	6979	6992
2227.0	7005	7018	7032	7045	7058	7072	7085	7098	7112	7125
2228.0	7138	7152	7165	7179	7192	7206	7219	7232	7246	7259
2229.0	7273	7286	7300	7314	7327	7341	7354	7368	7381	7395
2230.0	7409	7422	7436	7449	7463	7477	7491	7504	7518	7532
2231.0	7545	7559	7573	7587	7600	7614	7628	7642	7656	7669
2232.0	7683	7697	7711	7725	7739	7753	7767	7780	7794	7808
2233.0	7822	7836	7850	7864	7878	7892	7906	7920	7934	7948
2234.0	7963	7977	7991	8005	8019	8033	8047	8061	8076	8090
2235.0	8104	8118	8132	8147	8161	8175	8189	8204	8218	8232
2236.0	8246	8261	8275	8289	8304	8318	8333	8347	8361	8376
2237.0	8390	8405	8419	8433	8448	8462	8477	8491	8506	8520
2238.0	8535	8550	8564	8579	8593	8608	8622	8637	8652	8666
2239.0	8681	8696	8710	8725	8740	8754	8769	8784	8798	8813
2240.0	8828	8843	8857	8872	8887	8902	8917	8932	8946	8961
2241.0	8976	8991	9006	9021	9036	9051	9065	9080	9095	9110
2242.0	9125	9140	9155	9170	9185	9200	9215	9230	9245	9260
2243.0	9275	9291	9306	9321	9336					

CARBON CANYON DAM AND RESERVOIR
CARBON CANYON CREEK, ORANGE COUNTY, CALIFORNIA
PERTINENT DATA
DECEMBER 1990

Completion date.....	May 1961
Stream system.....	Carbon Canyon Creek
Drainage area.....mi ²	19.3
Reservoir:	
Elevation	
Streambed at dam.....ft, NGVD	400
Debris pool.....ft, NGVD	419
Flood control pool (spillway crest).....ft, NGVD	475
Original Spillway design surcharge level.....ft, NGVD	493.7
Revised PMF Spillway surcharge level.....ft, NGVD	491.9
Top of dam.....ft, NGVD	499
Area (based on original survey**)	
Debris pool.....ac	40.5
Spillway crest.....ac	223.5
Spillway design surcharge level (493.7).....ac	308.5
Top of dam.....ac	343.0
Capacity, gross (based on original survey**)	
Debris pool.....ac-ft	298 (0.29*)
Spillway crest.....ac-ft	7033 (6.83*)
Spillway design surcharge level (493.7).....ac-ft	12,063 (11.72*)
Top of dam.....ac-ft	13,781 (13.39*)
Allowance for sediment (50-year).....ac-ft	1500 (1.46*)
Allowance for sediment (100-year).....ac-ft	3000 (2.92*)
Area (based on 1969 survey***)	
Debris pool.....ac	33.8
Spillway crest.....ac	222.0
PMF Spillway surcharge level (491.9).....ac	287.0
Top of dam.....ac	305.6
Capacity (based on 1969 survey***)	
Debris pool.....ac-ft	228 (0.23*)
Spillway crest.....ac-ft	6615 (6.43*)
PMF Spillway surcharge level (491.9).....ac-ft	11,324 (11.0*)
Top of dam.....ac-ft	12,899 (12.53*)
Dam:	
Type.....	Earthfill
Height above original streambed.....ft	99
Top length.....ft	2610
Top width.....ft	20
Design Freeboard.....ft	5.3
PMF Freeboard.....ft	7.1
Spillway:	
Type.....	Ungated broad-crested weir
Crest width.....ft	125
Design discharge at surcharge elevation (493.7).....ft ³ /s	36,800
PMF discharge at surcharge elevation (491.9).....ft ³ /s	31,200
Outlets:	
Gates - type..... Hydraulic slide	
Number and size.....	2 - 5'W x 6.5'H
Entrance invert elevation.....ft, NGVD	403
Conduits - type..... Rectangular	
Number and size.....	1 - 4.75'W x 7'H
Length (including transition section).....ft	549
Entrance invert elevation.....ft, NGVD	403
Maximum Discharge at spillway crest elevation.....ft ³ /s	1270
Maximum Discharge at top of dam elevation.....ft ³ /s	1480
Reservoir design flood (SPF):	
Total inflow volume (2-day).....ac-ft	8030 (7.80*)
Inflow peak.....ft ³ /s	9300
Spillway design flood:	
Design total inflow volume (1-day).....ac-ft	10,600 (10.30*)
Design inflow peak.....ft ³ /s	56,000
PMF total inflow volume (15-hour).....ac-ft	11,800 (11.46*)
PMF inflow peak.....ft ³ /s	52,000
Historic maximums:	
Maximum release(01 Mar 83).....ft ³ /s	703
Maximum water surface elevation(01 Mar 83).....ft, NGVD	430.9
Maximum storage (26 Feb 69).....ac-ft	891.7
Maximum peak inflow (1-hour)(02 Mar 83).....ft ³ /s	1727

* inches of runoff

** based on surveys of October 1937, August 1941, August 1949, and bottom resurvey of March 1961.

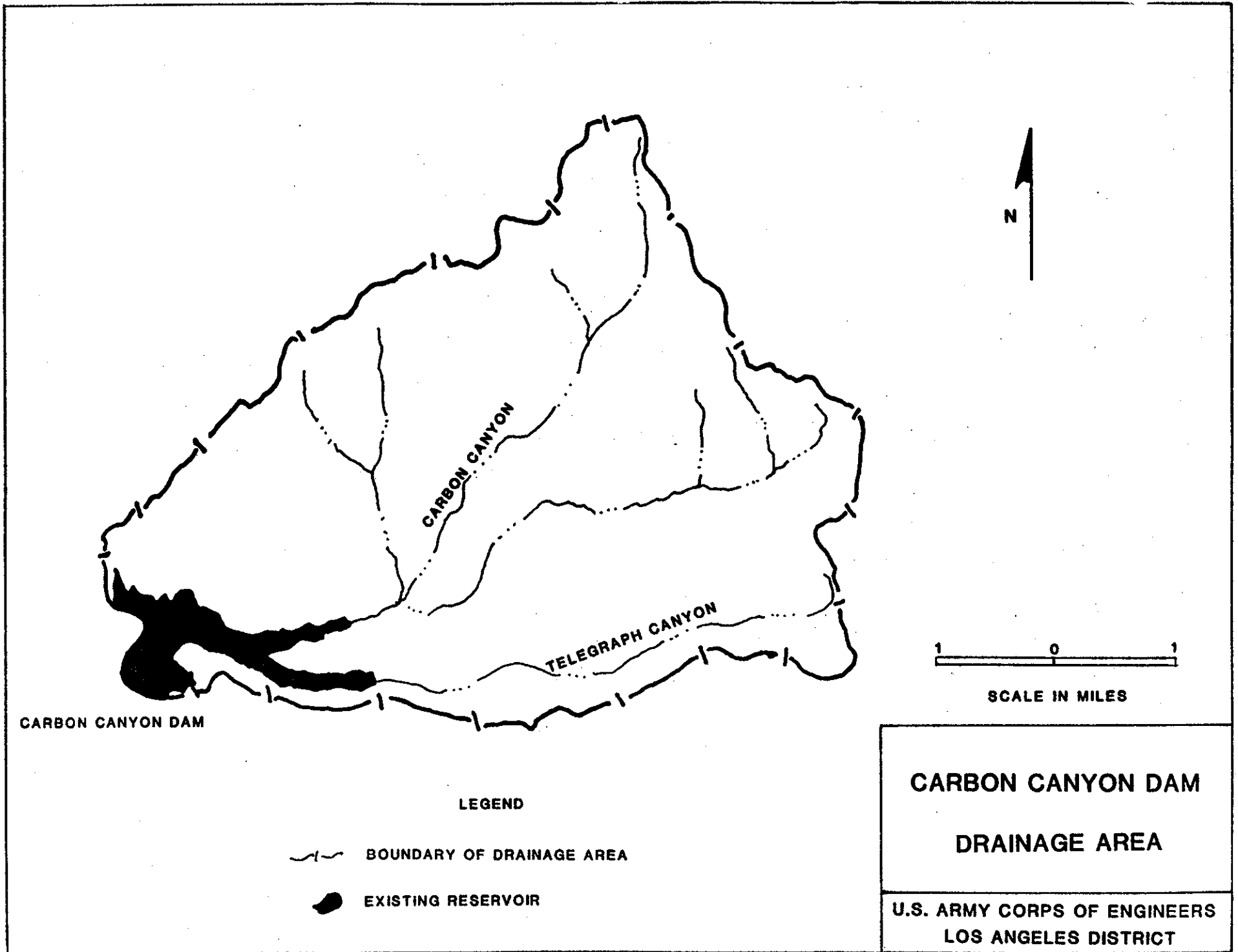
*** based on resurvey of September 1969.

Table 2-1

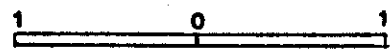
List of Recreational and Other Facilities, including elevations, in
Carbon Canyon Regional Park

NAME OF FACILITY OR REFERENCE	ACRES	RANGE OF ELEVATIONS (FT., NGVD)
1. Parking Areas:		
#1	-	457.5 - 459.5
#2	-	454.2 - 460.79
#3	-	445.5 - 454.0
#4	-	447.5 - 450.0
#5	-	420.0 - 424.0
#6	-	418.9 - 419.97
2. Visitor Center/ Administration Bldg	-	462.5
3. Tennis Courts	1.32	449.7 - 453.26
4. Playlots	0.70	434.0 - 438.0
5. Lake	3.24	431.0
6. Group Picnic Area	-	434.0
7. Volleyball Courts	-	426.0
8. Bicycle/Hiking Trail	-	454.5 - 495.0
9. Equestrian/Hiking Trail	-	-
10. Picnic Ramadas:		
#1	-	448.5
#2	-	435.0
#3	-	438.5
#4	-	453.0
#5	-	453.0
#6	-	432.5
#7	-	432.5
#8	-	421.5
#9	-	435.0
11. Rest Rooms:		
#1	-	452.5
#2	-	453.0
#3	-	460.5
12. Maintenance Building	-	457.4
13. Oil Pumping Station*	-	440.0
14. Storage Shed	-	-
15. Multi-Purpose Field	6.5	420.0 - 428.0
16. Redwood Grove	10.0	-

*Flood proofed.



N



SCALE IN MILES

**CARBON CANYON DAM
DRAINAGE AREA**

**U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT**

CARBON CANYON DAM

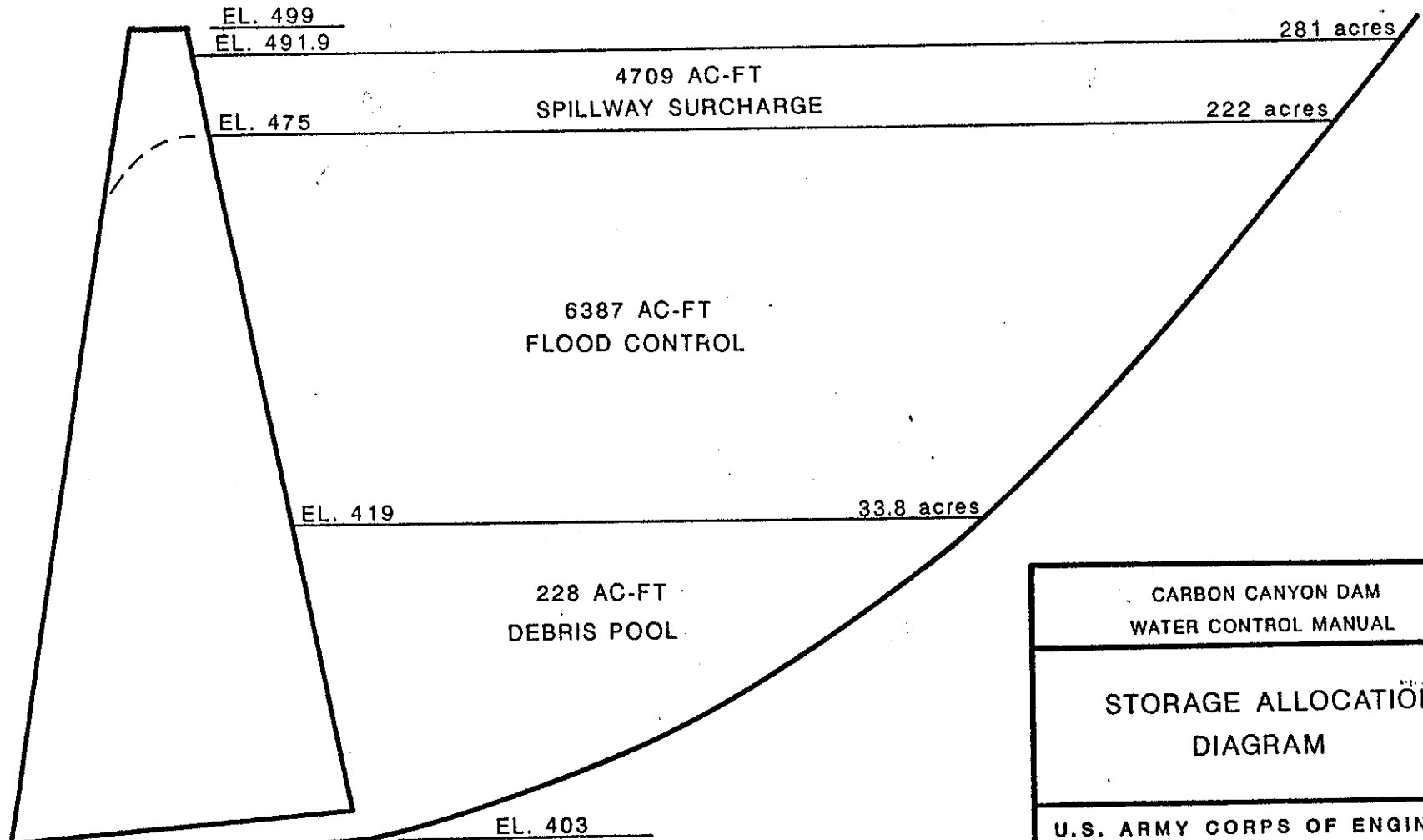
CARBON CANYON

TELEGRAPH CANYON

LEGEND

-  **BOUNDARY OF DRAINAGE AREA**
-  **EXISTING RESERVOIR**

CARBON CANYON RESERVOIR, CALIFORNIA



CARBON CANYON DAM
WATER CONTROL MANUAL

STORAGE ALLOCATION
DIAGRAM

U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT

Based on 1969 survey and revised PMF criteria.

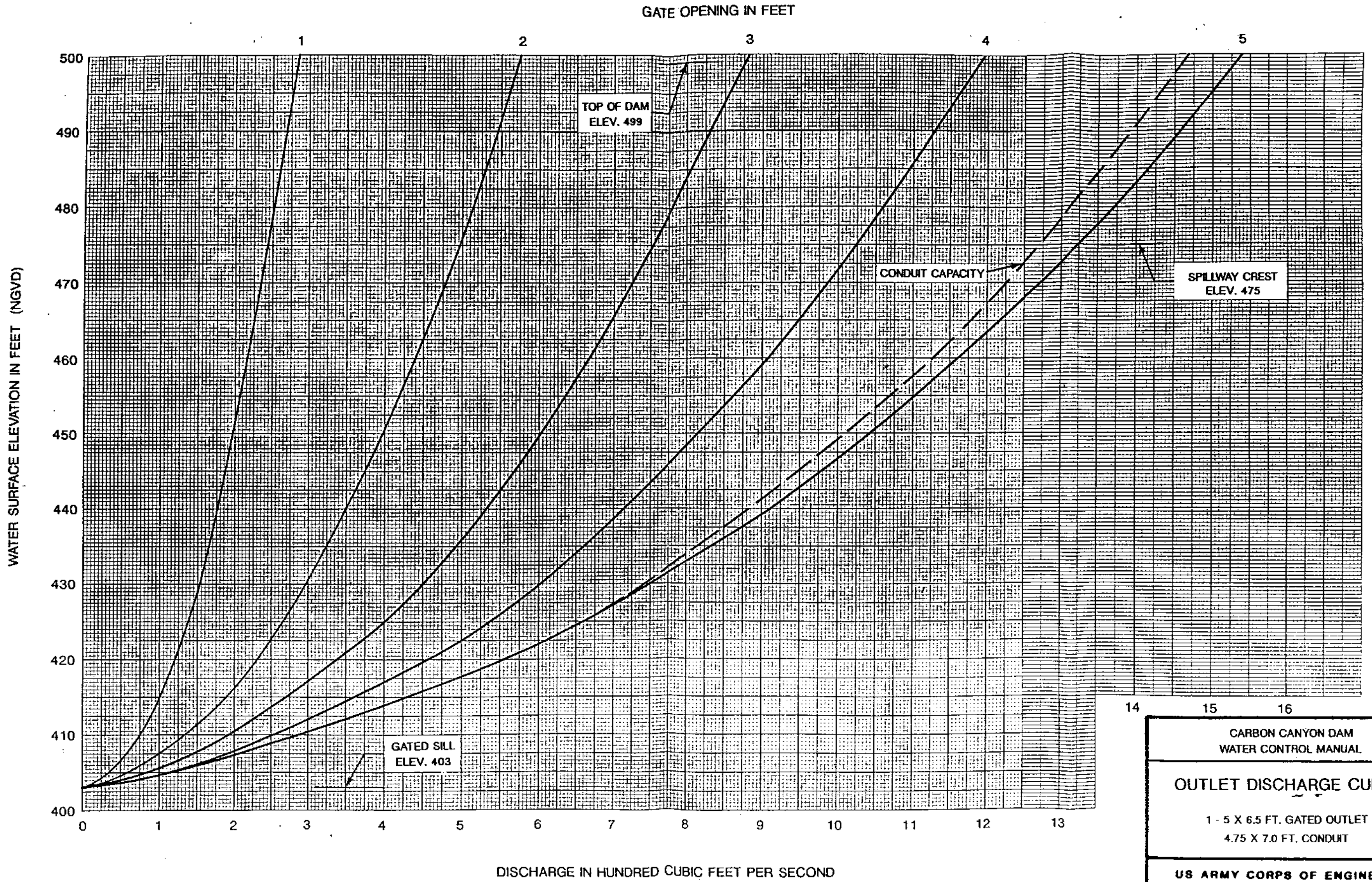
CARBON CANYON DAM

ELEVATION IN FEET VS STORAGE IN ACRE-FEET

ELEV	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
403	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
404	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
405	0.2	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4
406	1.7	2.0	2.3	2.6	3.0	3.3	3.8	4.2	4.7	5.2
407	5.7	6.2	6.8	7.4	8.0	8.6	9.3	10.0	10.7	11.4
408	12.2	13.0	13.8	14.6	15.5	16.4	17.3	18.3	19.2	20.2
409	21.3	22.3	23.4	24.5	25.6	26.7	27.9	29.1	30.3	31.6
410	32.8	34.1	35.5	36.8	38.1	39.5	40.9	42.3	43.7	45.1
411	46.5	48.0	49.5	51.0	52.5	54.0	55.5	57.1	58.7	60.3
412	61.9	63.5	65.0	66.8	68.5	70.2	71.9	73.6	75.4	77.1
413	78.9	80.7	82.5	84.3	86.2	88.0	89.9	91.8	93.7	95.6
414	97.6	99.5	101.5	103.5	105.5	107.5	109.5	111.6	113.7	115.8
415	117.9	120.0	122.2	124.4	126.6	128.8	131.1	133.5	135.8	138.2
416	140.6	143.1	145.5	148.1	150.6	153.2	155.8	158.4	161.1	163.8
417	166.5	169.3	172.1	174.9	177.8	180.7	183.6	186.6	189.6	192.6
418	195.7	198.7	201.9	205.0	208.2	211.4	214.7	217.9	221.2	224.6
419	228.0	231.4	234.8	238.3	241.8	245.3	248.9	252.5	256.1	259.8
420	263.4	267.2	270.9	274.7	278.5	282.3	286.1	290.0	293.9	297.8
421	301.7	305.7	309.7	313.7	317.7	321.8	325.9	330.0	334.1	338.3
422	342.4	346.6	350.9	355.1	359.4	363.7	368.0	372.4	376.8	381.1
423	385.6	390.0	394.5	399.0	403.5	408.0	412.6	417.2	421.8	426.5
424	431.1	435.8	440.5	445.2	450.0	454.8	459.6	464.4	469.3	474.2
425	479.1	484.0	489.0	494.0	499.0	504.0	509.1	514.2	519.4	524.5
426	529.7	535.0	540.2	545.5	550.8	556.2	561.6	567.0	572.4	577.9
427	583.4	588.9	594.5	600.0	605.7	611.3	617.0	622.7	628.4	634.2
428	640.0	645.8	651.7	657.6	663.5	669.4	675.4	681.4	687.4	693.5
429	699.6	705.7	711.9	718.1	724.3	730.5	736.8	743.1	749.4	755.8
430	762.2	768.6	775.1	781.6	788.1	794.7	801.3	807.9	814.6	821.4
432	897.8	905.0	912.2	919.5	926.8	934.1	941.5	948.9	956.3	963.8
434	1048.5	1056.5	1064.4	1072.4	1080.5	1088.6	1096.7	1104.8	1113.0	1121.3
436	1213.3	1221.8	1230.3	1238.8	1247.3	1255.9	1264.5	1273.1	1281.7	1290.3
438	1386.4	1395.3	1404.1	1413.0	1421.9	1430.8	1439.8	1448.7	1457.7	1466.7
440	1566.8	1576.1	1585.3	1594.5	1603.8	1613.1	1622.4	1631.7	1641.0	1650.4
442	1754.3	1763.8	1773.4	1783.0	1792.6	1802.2	1811.8	1821.5	1831.1	1840.8
444	1948.4	1958.3	1968.2	1978.1	1988.0	1998.0	2007.9	2017.9	2027.9	2037.9
446	2149.4	2159.7	2170.0	2180.3	2190.6	2200.9	2211.3	2221.7	2232.1	2242.6
448	2358.8	2369.5	2380.2	2390.9	2401.7	2412.5	2423.3	2434.1	2444.9	2455.8
450	2576.7	2587.9	2599.0	2610.2	2621.4	2632.7	2643.9	2655.2	2666.6	2677.9
452	2804.7	2816.4	2828.2	2839.9	2851.7	2863.5	2875.3	2887.2	2899.1	2911.0
454	3044.1	3056.4	3068.7	3081.0	3093.3	3105.7	3118.1	3130.6	3143.0	3155.5
456	3295.5	3308.4	3321.4	3334.5	3347.6	3360.7	3373.9	3387.1	3400.3	3413.6
458	3562.5	3576.3	3590.1	3603.9	3617.8	3631.8	3645.8	3659.8	3673.8	3687.9
460	3845.7	3860.3	3875.0	3889.7	3904.4	3919.2	3934.1	3949.0	3963.9	3979.0
462	4147.4	4163.0	4178.7	4194.4	4210.2	4226.0	4241.9	4257.8	4273.8	4289.8
464	4469.5	4486.1	4502.8	4519.6	4536.4	4553.2	4570.1	4587.1	4604.1	4621.1
466	4812.3	4830.0	4847.7	4865.5	4883.4	4901.3	4919.3	4937.3	4955.4	4973.6
468	5176.8	5195.6	5214.4	5233.3	5252.3	5271.3	5290.4	5309.5	5328.7	5347.9
470	5563.2	5583.1	5603.0	5623.0	5643.0	5663.1	5683.2	5703.4	5723.6	5743.9
472	5969.8	5990.6	6011.5	6032.4	6053.3	6074.3	6095.4	6116.4	6137.6	6158.8
474	6394.8	6416.5	6438.3	6460.1	6482.0	6503.9	6525.8	6547.9	6569.8	6592.0
476	6837.0	6859.5	6881.9	6904.4	6926.9	6949.4	6971.9	6994.5	7017.1	7039.7
478	7290.0	7312.9	7335.8	7358.8	7381.8	7404.8	7427.8	7450.8	7473.9	7497.0
480	7752.6	7776.0	7799.4	7822.9	7846.4	7870.0	7893.6	7917.2	7940.9	7964.6
482	8228.0	8252.2	8276.4	8300.7	8325.0	8349.3	8373.7	8398.1	8422.6	8447.1
484	8719.2	8744.2	8769.2	8794.3	8819.4	8844.5	8869.7	8894.9	8920.2	8945.5
486	9226.3	9252.1	9277.9	9303.7	9329.6	9355.5	9381.5	9407.5	9433.5	9459.6
488	9748.9	9775.4	9802.0	9828.6	9855.3	9881.9	9908.7	9935.4	9962.2	9989.1
490	10287	10314	10342	10369	10396	10424	10451	10479	10506	10534
499	12898.7									

SURVEY DATE AUGUST 1977

NOTE: TO OBTAIN TOTAL OUTLET DISCHARGE, ADD THE DISCHARGE THROUGH EACH OF THE TWO IDENTICAL GATES. DISCHARGE IS NOT TO EXCEED CONDUIT CAPACITY INDICATED BY THE DASHED LINE.



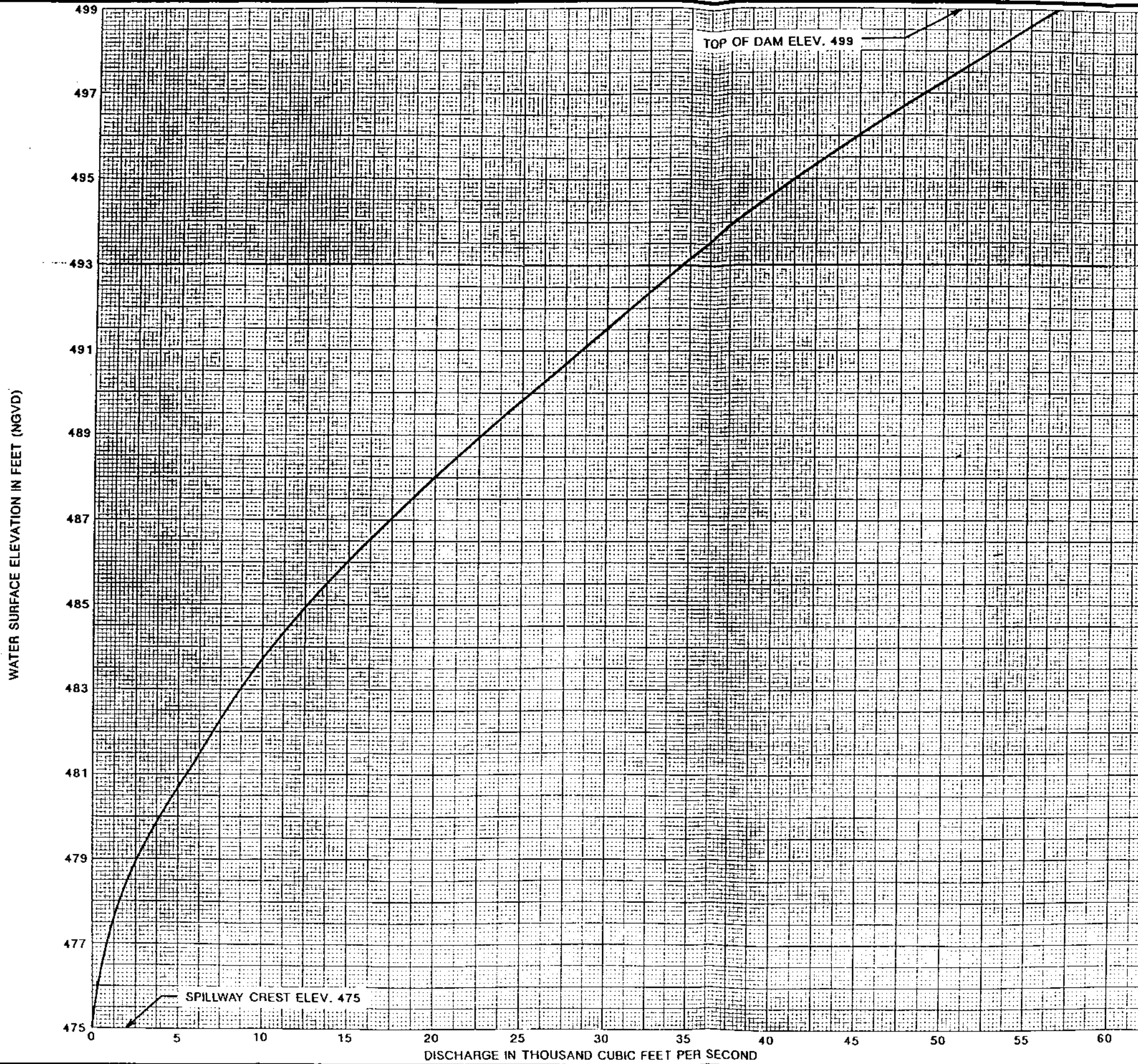
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CARBON CANYON DAM
WATER CONTROL MANUAL

OUTLET DISCHARGE CURVE

1 - 5 X 6.5 FT. GATED OUTLET
4.75 X 7.0 FT. CONDUIT

US ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT



CARBON CANYON DAM
 WATER CONTROL MANUAL

SPILLWAY DISCHARGE CURVE

US ARMY CORPS OF ENGINEERS
 LOS ANGELES DISTRICT