

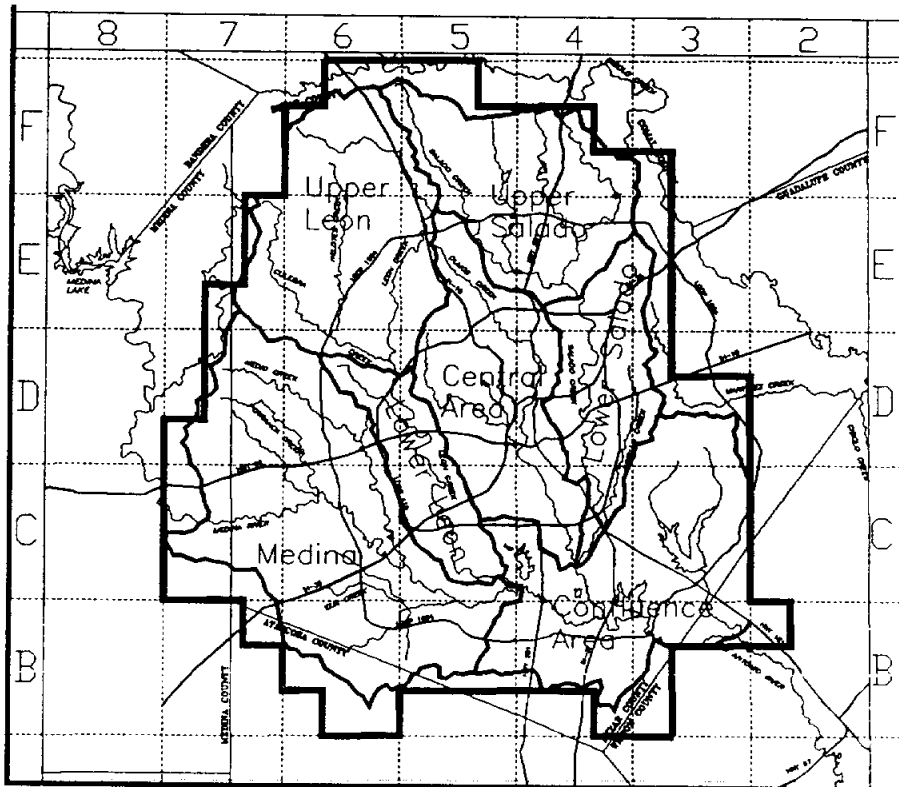
San Antonio Water System

WATER RESOURCES PLANNING PROCESS

DEVELOPMENT TRENDS

**RESIDENTIAL CONNECTIONS
by USGS Map Identifiers**

Report No. 3



GAE 1/28/93 \08\comquod2

C. THOMAS KOCH, INC.
LAND AND WATER RESOURCES CONSULTANT

Prepared for:

Texas Water Development Board

January 1993

Map Series H

Map Series G

Map Series F

Map Series E

Map Series D

Map Series C

Map Series B

Map Series A

SAN ANTONIO WATER SYSTEM

P.O. Box 2449, San Antonio, Texas 78298-2449 210/225-7461

February 1, 1993

MR. CURTIS JOHNSON
TEXAS WATER DEVELOPMENT BOARD
P.O. Box 13231, Capitol Station
Austin, Texas 78711-3231

**RE: REPORT NO. 3 - DEVELOPMENT TRENDS
RESIDENTIAL CONNECTIONS BY USGS MAP IDENTIFIERS
(TWDB Contract Number 9-483-722)**

Dear Curtis:

Today we are providing you with copies of eight documents which give you a status report on the planning process we are implementing for the San Antonio Water System through partial funding provided by your agency. A brief description of each of the other reports is contained in a separate letter to you dated today.

Report No. 3 provides computer listings and maps showing the number of residential connections located within each USGS 7.5 minute map within the study area. An analysis of all utility connections have been provided for the following years: 1976, 1977, 1979, 1980, 1988.

A companion document (Report No. 1) provides the same listings. However, the utility connection data are aggregated by watersheds. This allows our staff to use USGS maps as a base to record information and to better coordinate our efforts with State agencies such as yours.

I am sure you will have many questions concerning these data. Since these data serve as the launching platform for all other reports, I am suggesting that our staffs have a working session sometime during the week of February 22-26 to allow submittal of computer disks and programs to you and thereby reduce the amount of paper while increasing the amount of information conveyed to you.

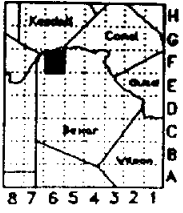
Very truly yours,



JOE A. ACEVES
President and Chief Executive Officer
JA:lk
twdb3.fl

This area is outside the
San Antonio Water System
planning area.

This area is outside the
San Antonio Water System
planning area.

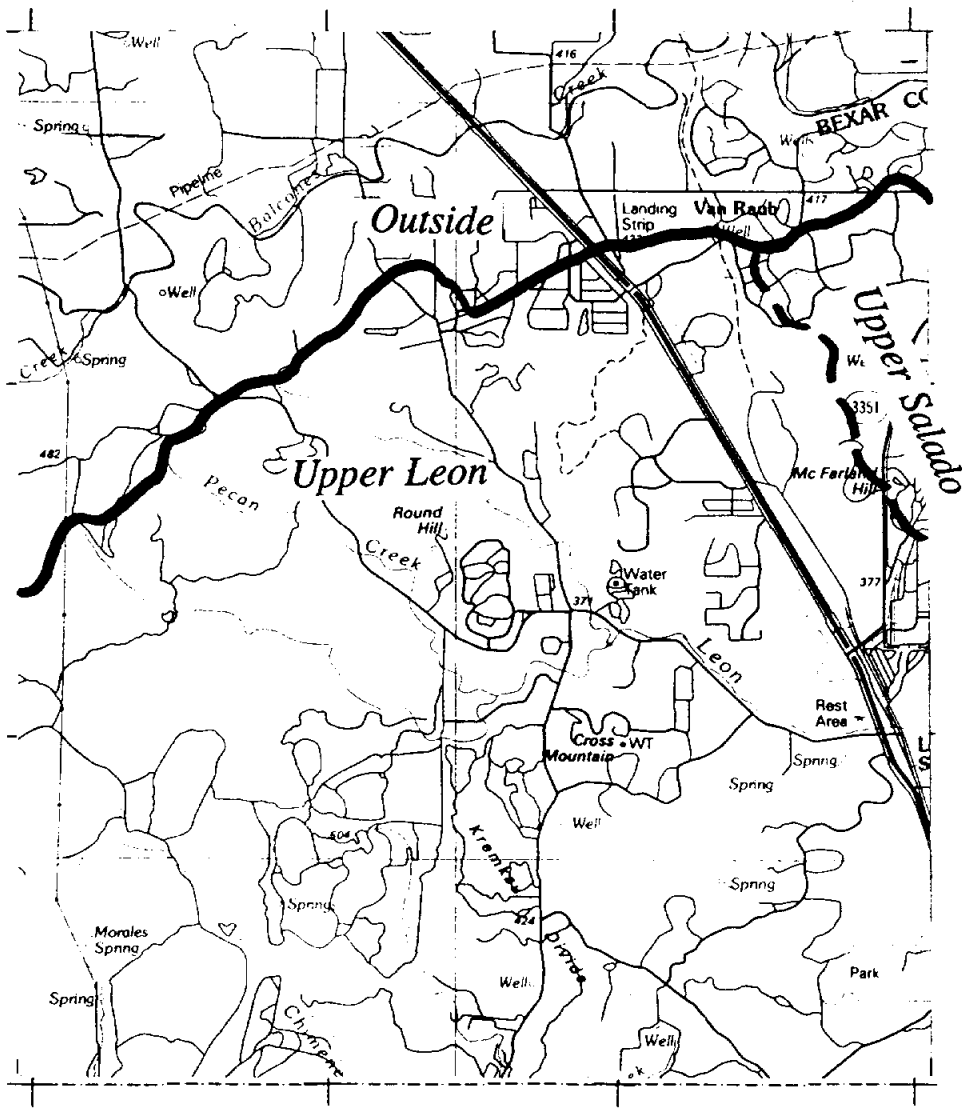
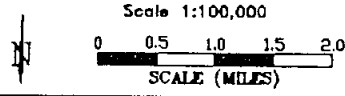


1	2	3
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7	8	9

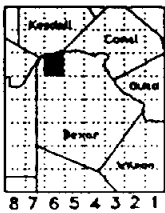
7.5 Minute Area

Water Well ID 68-19
 Map Name Van Raub

Latitude = 29
 Longitude = 98
 7.5' Area = F6



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
F - 6	Upper Leon	30,119	951	992	1,090	1,145	1,622
F - 6	Upper Salado	1,561	4	19	61	74	137
F - 6		31,680	955	1,011	1,151	1,219	1,759



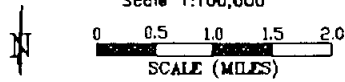
1	2	3
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7	8	9

7.5 Minute Area

Water Well ID 68-19

Map Name Van Raub

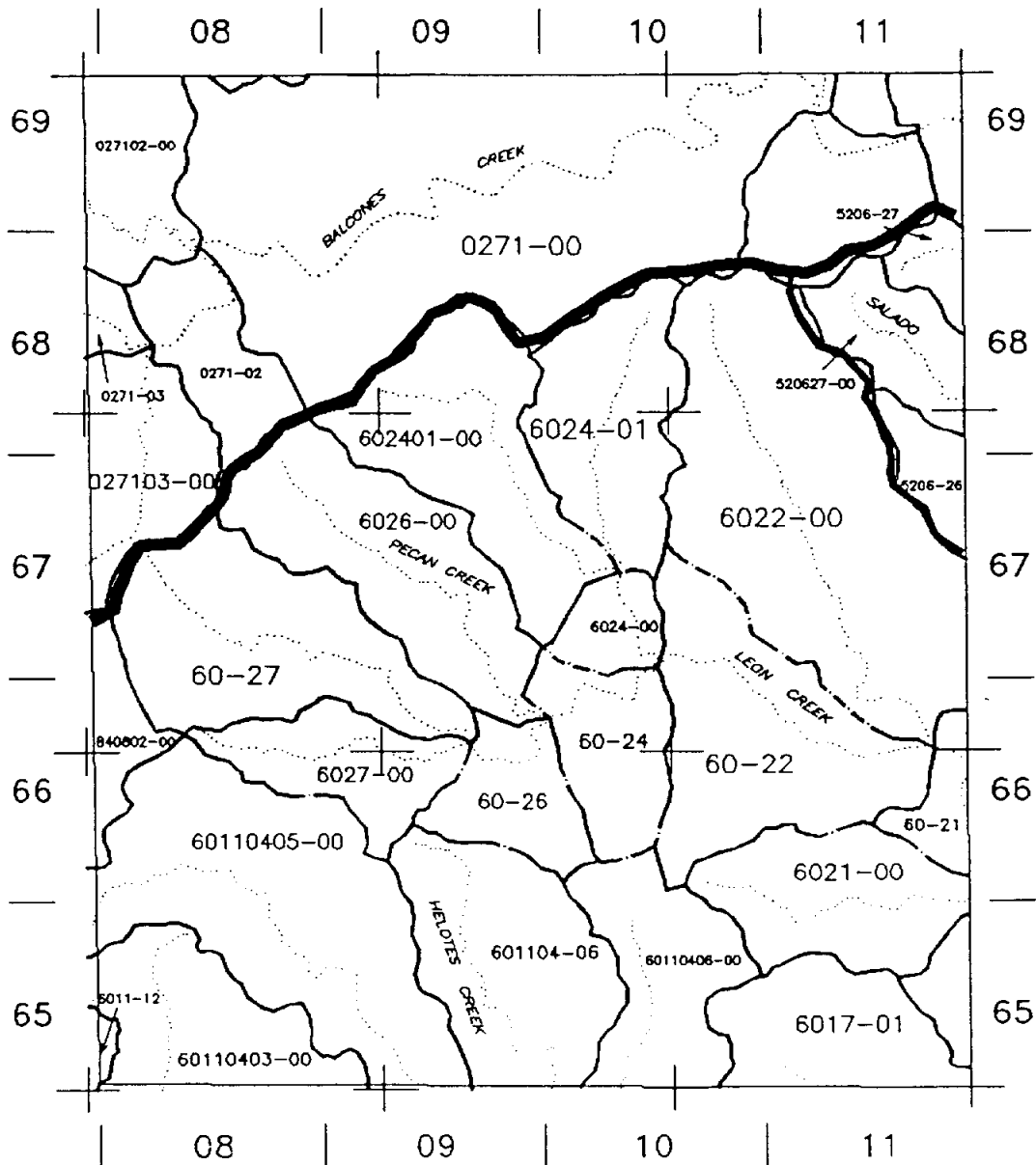
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Latitude = 29

Longitude = 98

7.5' Area = F6



TOTAL RESIDENTIAL CONNECTIONS
1976-1988

7.5' Area : F-6

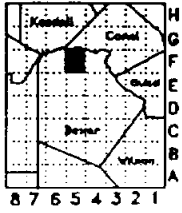
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6027000000- 0	1,010					1
Upper Leon	6026000000- 0	2,112	12	13	14	14	30
Upper Leon	6024010000- 0	2,112	54	56	62	74	134
Upper Leon	6024000000- 1	1,469	72	77	95	98	195
Upper Leon	6024000000- 0	551	61	60	63	61	92
Upper Leon	6022000000- 0	4,224	375	396	450	464	525
Upper Leon	6021000000- 0	1,469	22	40	42	63	52
Upper Leon	6017000000- 1	1,561	14	13	16	13	16
Upper Leon	6011040600- 0	1,561	37	37	37	39	57
Upper Leon	6011040500- 0	3,398	4	4	4	4	17
Upper Leon	6011040300- 0	1,745	4	8	10	11	35
Upper Leon	6011040000- 6	1,837	90	90	93	93	105
Upper Leon	6000000000-27	2,296					3
Upper Leon	6000000000-26	826	2	2	2	2	8
Upper Leon	6000000000-24	918	28	31	33	35	79
Upper Leon	6000000000-22	2,204	127	130	134	138	235
Upper Leon	6000000000-21	367	15	14	14	14	14
Upper Leon	6000000000-19	459	34	21	21	22	24
Upper Leon		30,119	951	992	1,090	1,145	1,622

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : F-6

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Salado	5206270000- 0	918	1	13	49	59	114
Upper Salado	5206000000-27	275	2	5	11	13	17
Upper Salado	5206000000-26	367	1	1	1	2	6
Upper Salado		1,561	4	19	61	74	137

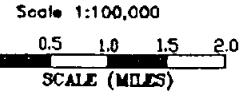


1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-20

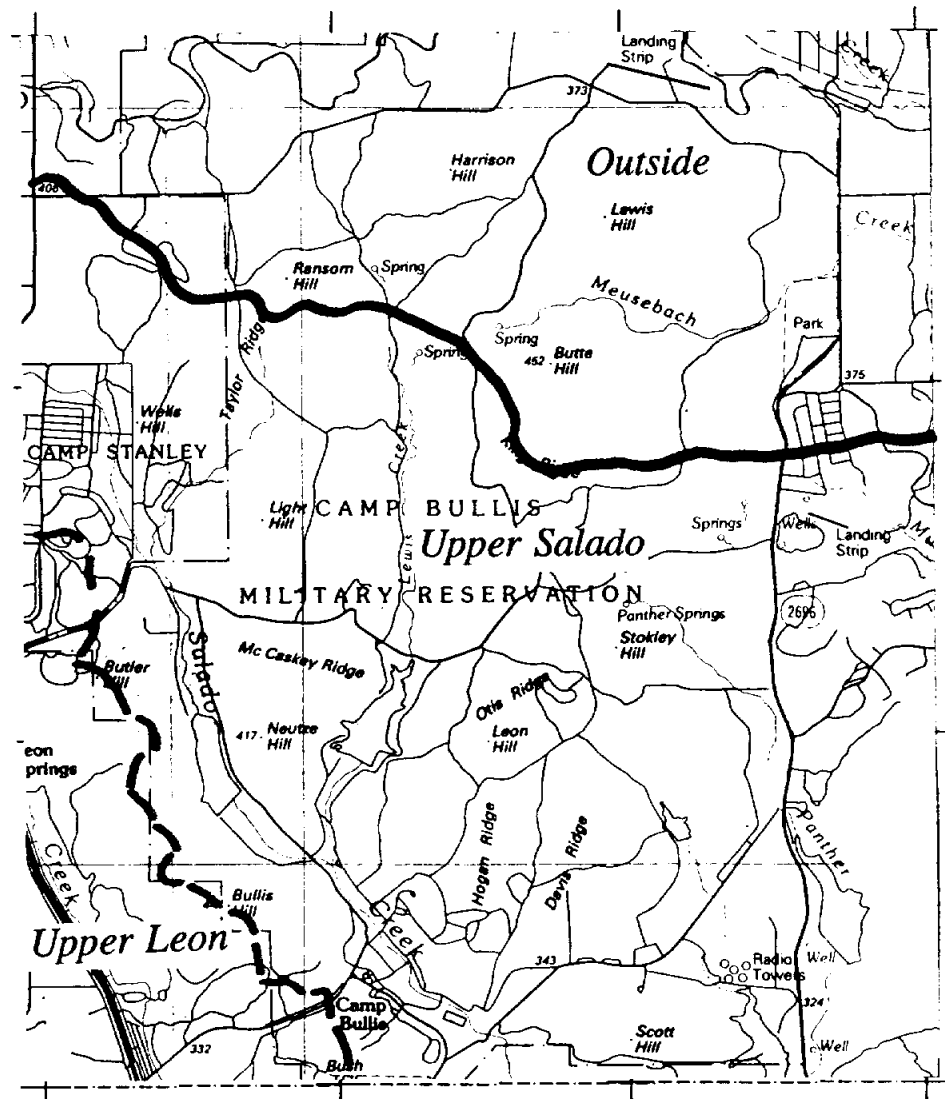
Map Name Camp Bullis



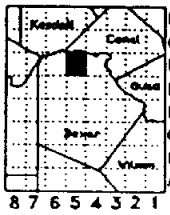
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Longitude = 98

7.5' Area = F5



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
F - 5	Upper Leon	3,214	167	171	171	176	315
F - 5	Upper Salado	25,712	34	41	39	38	332
F - 5		28,926	201	212	210	214	647



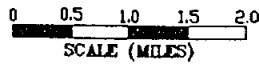
1	2	3
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7	8	9

7.5 Minute Area

Water Well ID 68-20

Map Name Camp Bullis

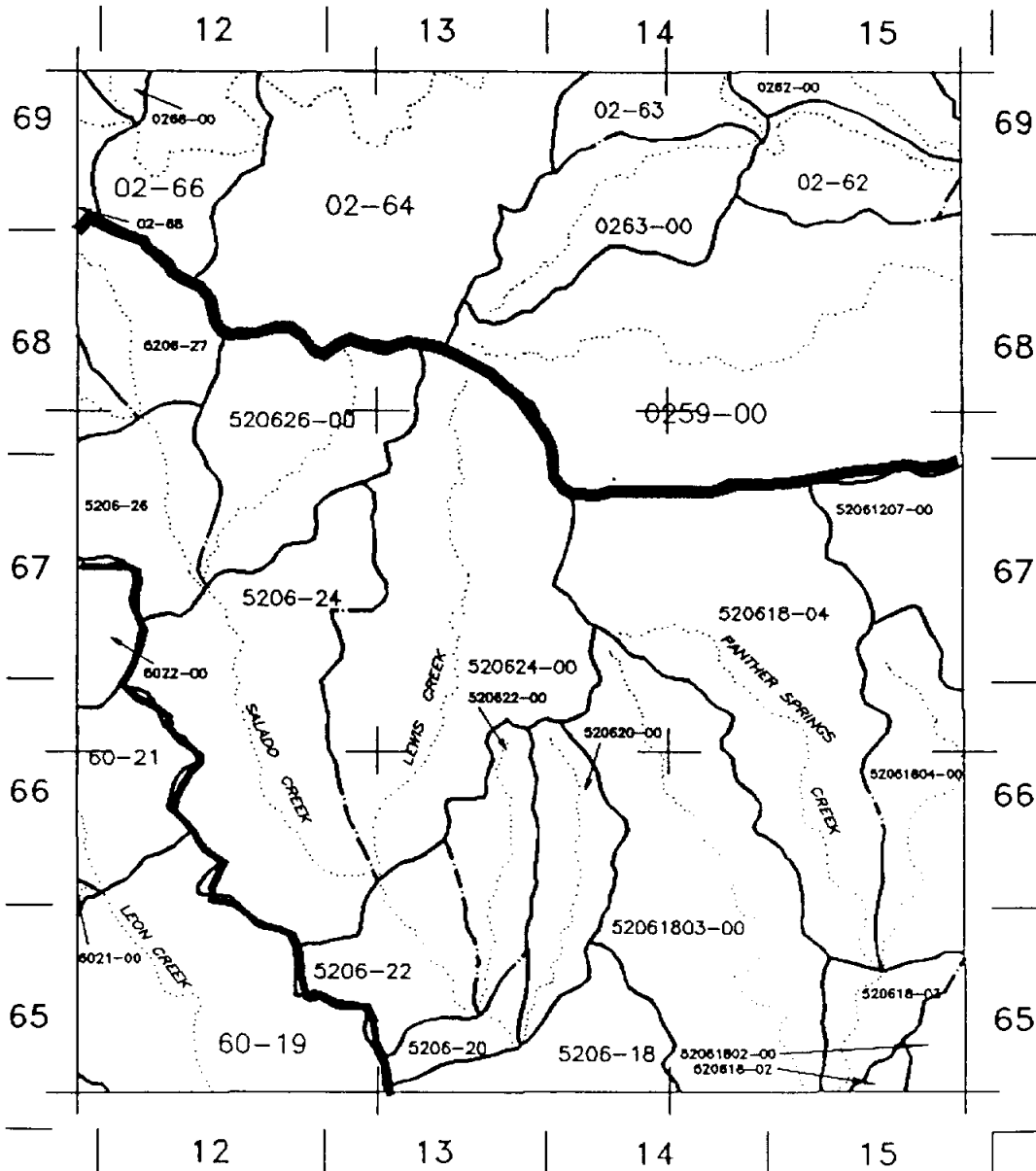
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Latitude = 29

Longitude = 98

7.5' Area = F5



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : F-5

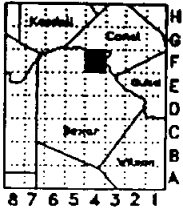
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Salado	5206260000- 0	1,653					
Upper Salado	5206240000- 0	4,040					
Upper Salado	5206220000- 0	918					
Upper Salado	5206200000- 0	826					
Upper Salado	5206180400- 0	1,561	1	1	1	1	153
Upper Salado	5206180300- 0	3,306					0
Upper Salado	5206180200- 0	643		3			57
Upper Salado	5206180000- 4	3,489	15	15	15	15	18
Upper Salado	5206180000- 3	643					0
Upper Salado	5206120700- 0	1,286	17	21	21	20	100
Upper Salado	5206000000-27	735					0
Upper Salado	5206000000-26	1,010					2
Upper Salado	5206000000-24	2,938					
Upper Salado	5206000000-22	735	1	1	1	1	2
Upper Salado	5206000000-20	459			1	1	
Upper Salado	5206000000-18	1,469					0
Upper Salado		25,712	34	41	39	38	332

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : F-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6022000000- 0	275					1
Upper Leon	6000000000-21	643					121
Upper Leon	6000000000-19	2,296	167	171	171	176	193
Upper Leon		3,214	167	171	171	176	315



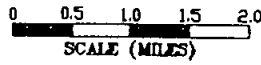
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-21

Map Name Bulverde

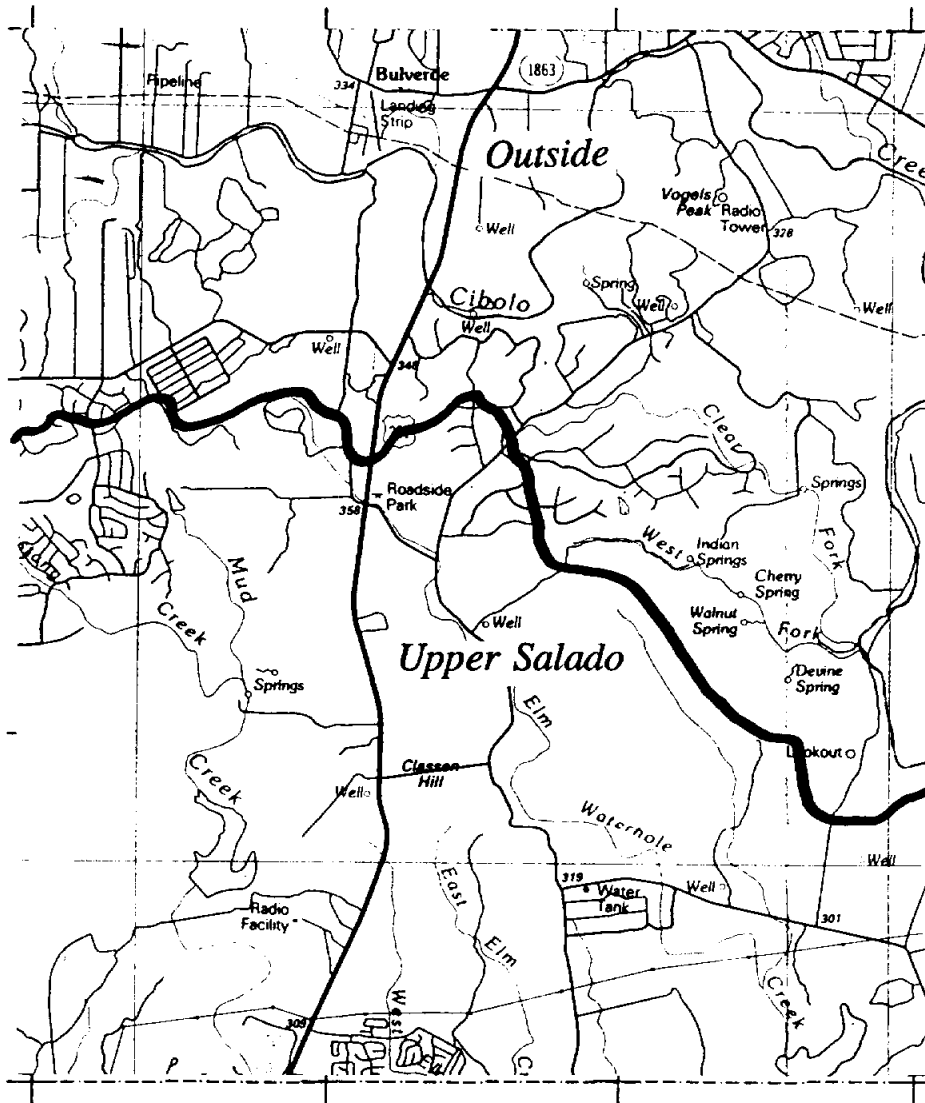
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Latitude = 29

Longitude = 98

7.5' Area = F4



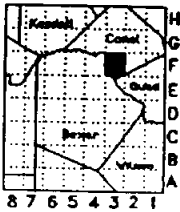
QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
F - 4	Upper Salado	19,559	93	96	112	119	1,140
F - 4		19,559	93	96	112	119	1,140

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : F-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Salado	5206180400- 0	92					0
Upper Salado	5206180200- 0	551					206
Upper Salado	5206120800- 0	643					7
Upper Salado	5206120700- 0	1,102			2	4	52
Upper Salado	5206120600- 0	826	2	2	2	3	8
Upper Salado	5206120404- 0	2,020	2	2	2	2	5
Upper Salado	5206120403- 0	1,194	17	18	20	20	26
Upper Salado	5206120401- 0	3,306	5	5	4	9	686
Upper Salado	5206120400- 4	4,775	62	64	76	75	142
Upper Salado	5206120400- 3	2,388	5	5	6	6	8
Upper Salado	5206120000- 4	2,663					
Upper Salado		19,559	93	96	112	119	1,140



1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-22

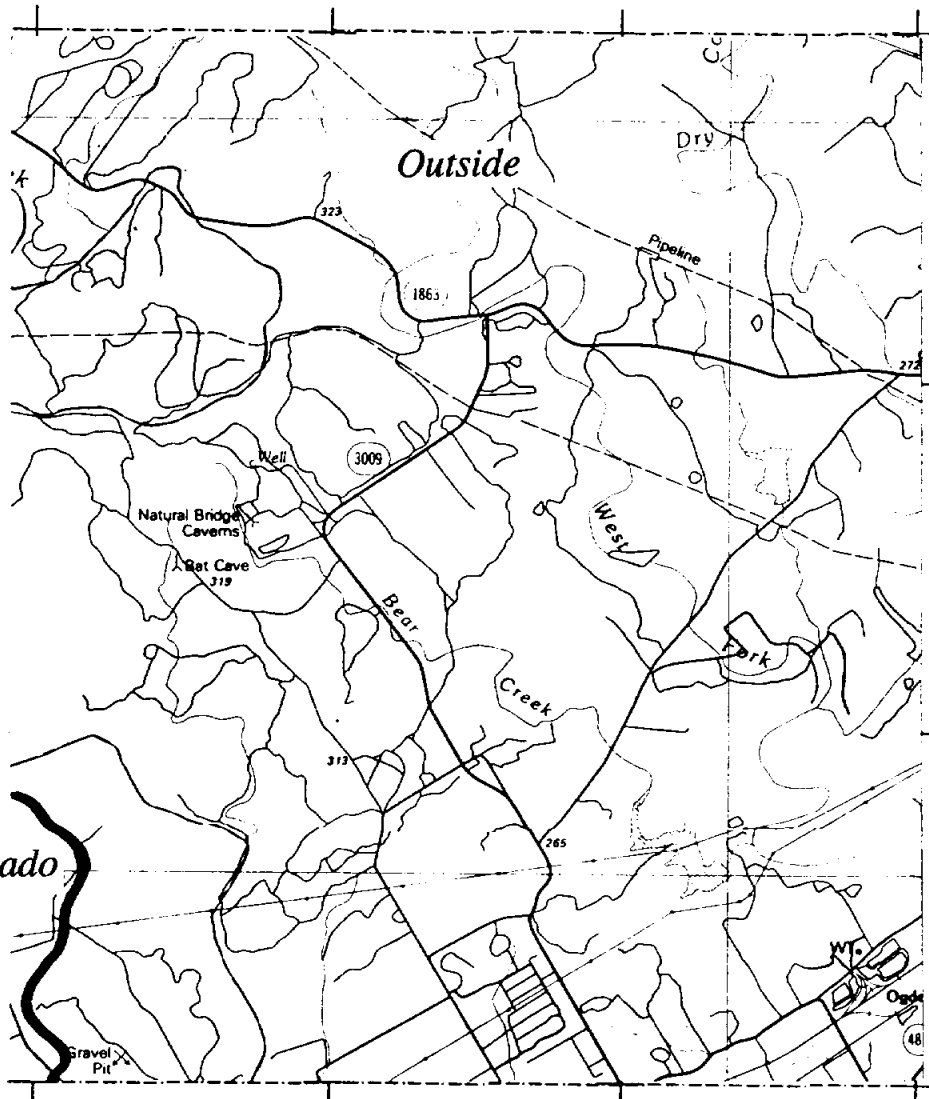
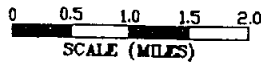
Map Name Bat Cave

Latitude = 29

Longitude = 98

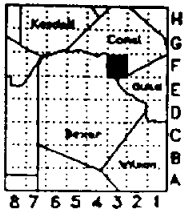
7.5' Area = F3

Scale 1:100,000



Upper Salado

QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
F - 3	Upper Salado	92					3
F - 3		92					3



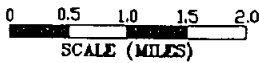
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-22

Map Name Bat Cave

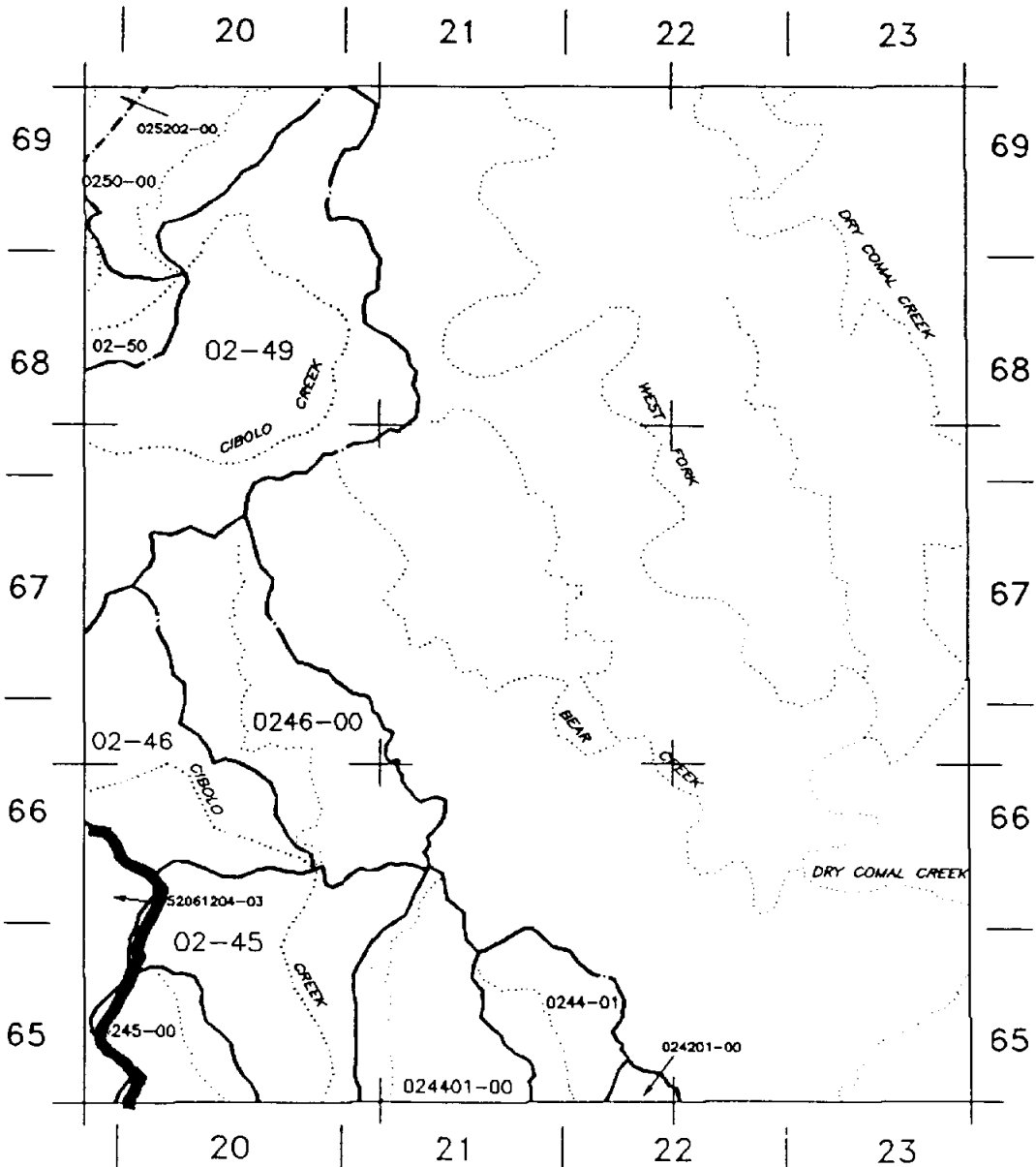
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Latitude = 29

Longitude = 98

7.5' Area = F3



Report file: q_sws_R

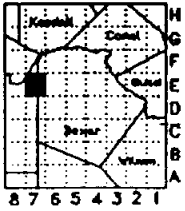
Page 9 1/28/93 7:48:43 pm

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : F-3

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Salado	5206120400- 3	92					3
Upper Salado		92					3



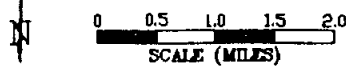
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-26

Map Name San Geronimo

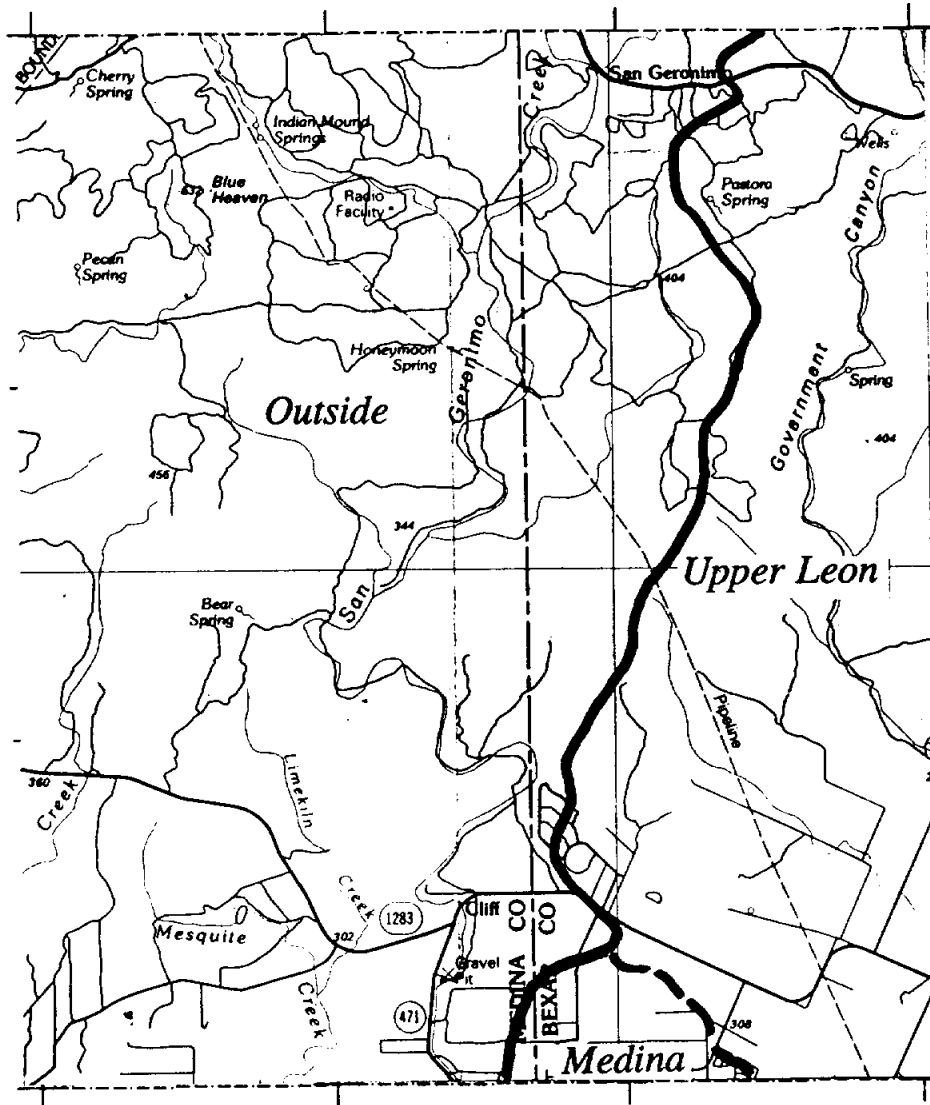
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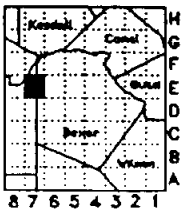


Latitude = 29

Longitude = 98

7.5' Area = E7





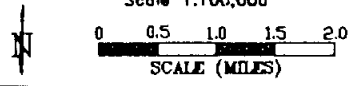
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-26

Map Name SAN GERONIMO

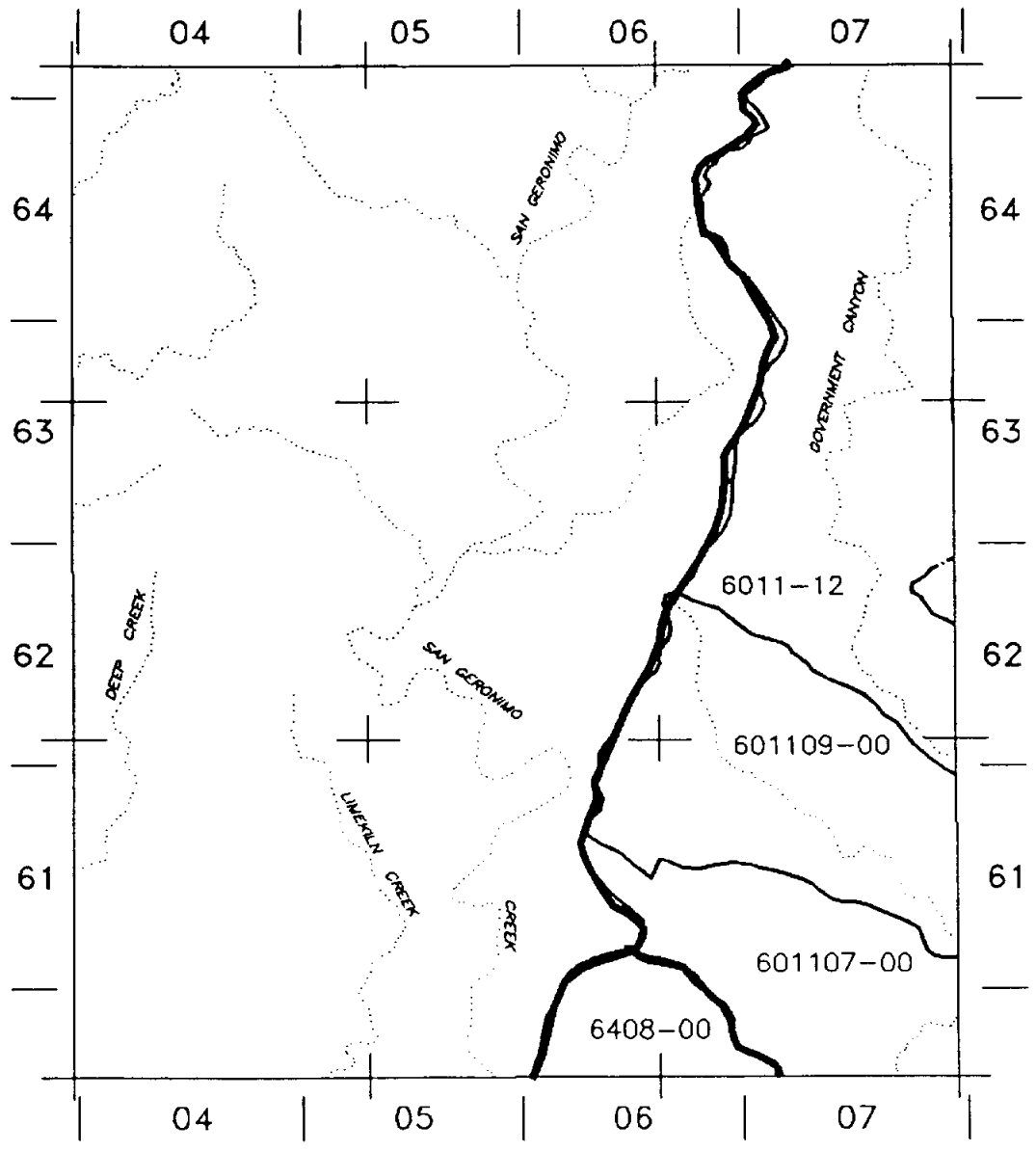
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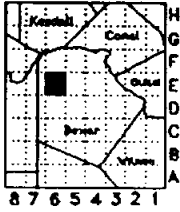


Latitude = 29

Longitude = 98

7.5' Area = E7





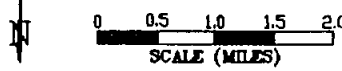
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4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68- 27

Map Name Helotes

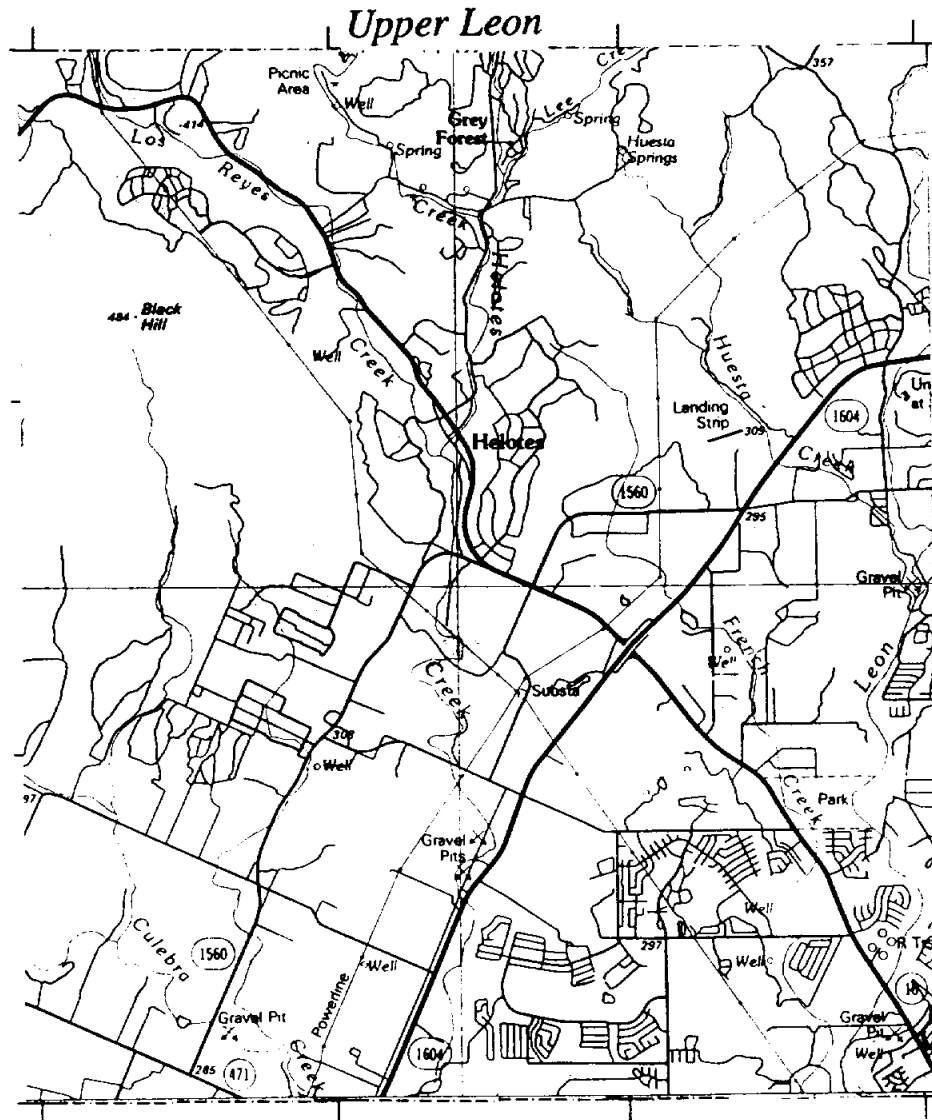
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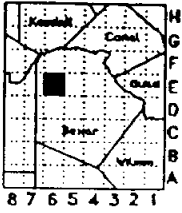
Latitude = 29

Longitude = 98

7.5' Area = E6



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
E - 6	Upper Leon	41,690	2,233	2,948	3,780	4,613	14,672
E - 6		41,690	2,233	2,948	3,780	4,613	14,672



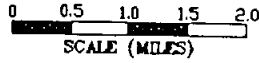
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-27

Map Name HELOTES

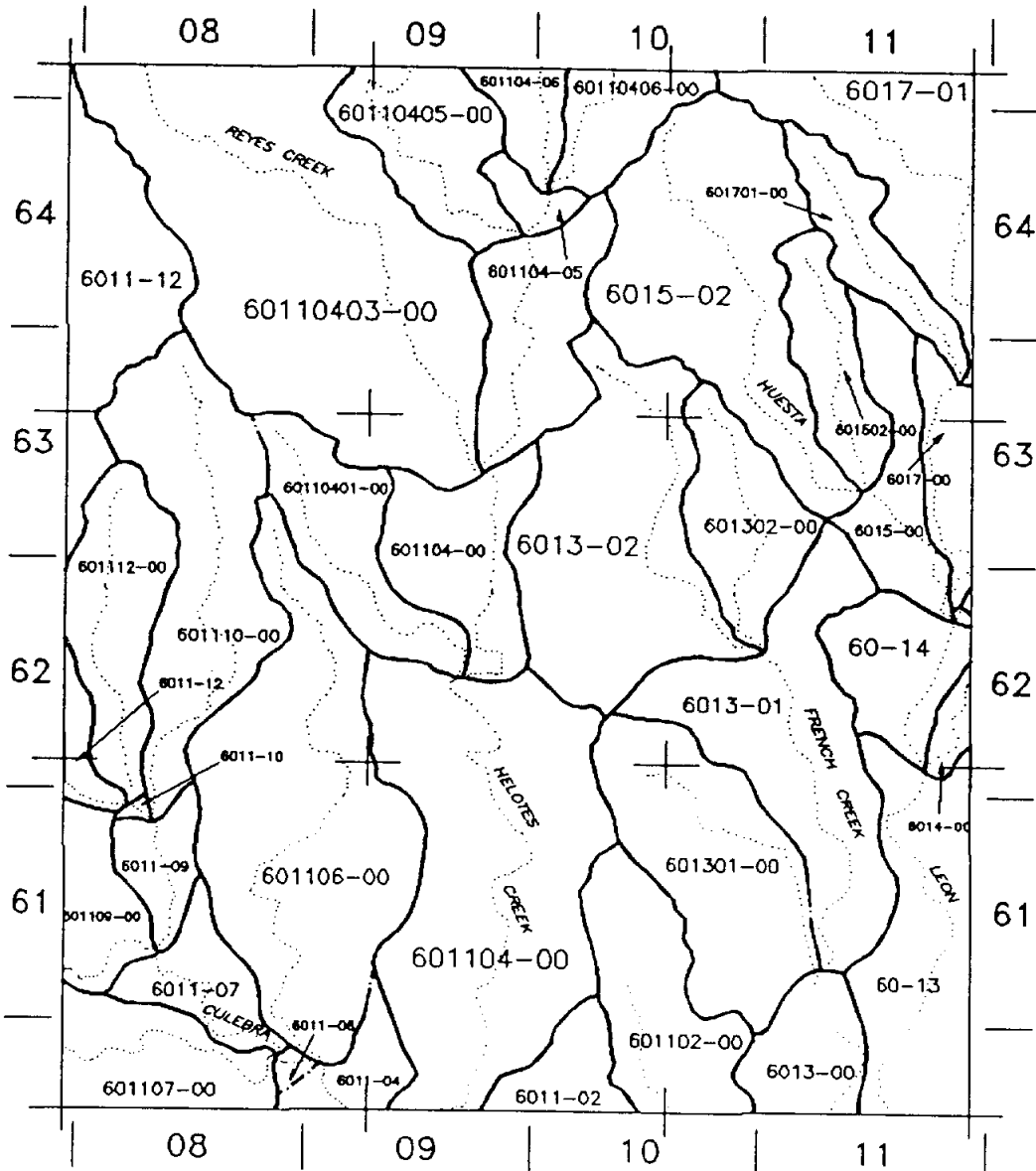
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Latitude = 29

Longitude = 98

7.5' Area = E6

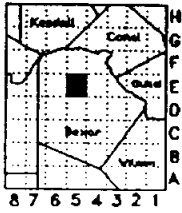


TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-6

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6017010000- 0	275	13	16	16	16	31
Upper Leon	6017000000- 1	1,377	174	198	197	197	211
Upper Leon	6017000000- 0	551	69	69	70	123	132
Upper Leon	6015020000- 0	643	35	35	35	36	47
Upper Leon	6015000000- 2	2,296	4	4	5	5	7
Upper Leon	6015000000- 0	918	146	149	157	281	691
Upper Leon	6014000000- 0	184	207	212	228	274	593
Upper Leon	6013020000- 0	918	4	7	9	9	12
Upper Leon	6013010000- 0	1,653	173	289	545	648	1,648
Upper Leon	6013000000- 2	2,204	277	287	309	285	373
Upper Leon	6013000000- 1	2,204	168	243	353	445	825
Upper Leon	6013000000- 0	459	8	7	12	64	409
Upper Leon	6011120000- 0	1,194	2	3	3	3	3
Upper Leon	6011100000- 0	1,745	2	2	3	3	12
Upper Leon	6011090000- 0	275					
Upper Leon	6011070000- 0	735	4	4	4	4	5
Upper Leon	6011060000- 0	3,214	69	80	89	94	164
Upper Leon	6011040600- 0	367	65	66	67	67	70
Upper Leon	6011040500- 0	735	13	14	14		21
Upper Leon	6011040300- 0	4,224	141	174	188	151	269
Upper Leon	6011040100- 0	1,010	18	22	30	31	51
Upper Leon	6011040000- 6	184	63	63	62	57	59
Upper Leon	6011040000- 5	184	46	50	49	35	57
Upper Leon	6011040000- 3	826	56	56	59	43	59
Upper Leon	6011040000- 0	6,795	154	164	204	508	3,876
Upper Leon	6011020000- 0	1,286	33	39	59	119	2,357
Upper Leon	6011000000-12	1,010	2	2	2	2	2
Upper Leon	6011000000- 9	551	2	2	2	2	2
Upper Leon	6011000000- 7	643	4	4	4	4	4
Upper Leon	6011000000- 4	367	1	1	1	1	1
Upper Leon	6000000000-14	735	7	7	61	90	816
Upper Leon	6000000000-13	1,928	273	679	943	1,016	1,865
Upper Leon		41,690	2,233	2,948	3,780	4,613	14,672



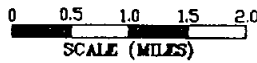
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-28

Map Name Castle Hills

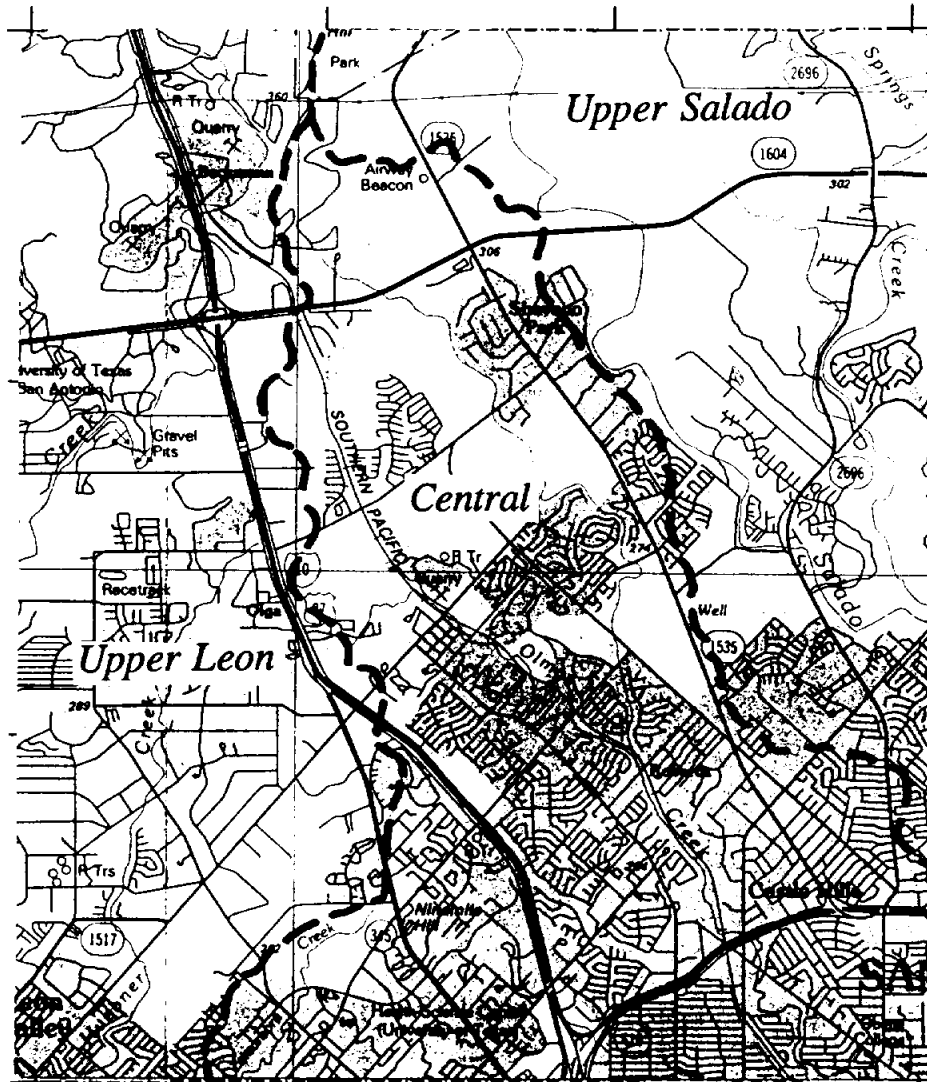
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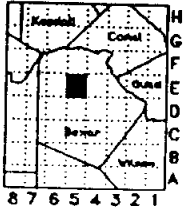
Latitude = 29

Longitude = 98

7.5' Area = E5



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
E - 5	Central	17,631	9,953	11,094	13,520	15,432	32,743
E - 5	Upper Leon	11,846	2,339	2,530	2,931	3,475	12,757
E - 5	Upper Salado	11,019	1,689	1,920	3,311	4,183	13,355
E - 5		40,496	13,981	15,544	19,762	23,090	58,855

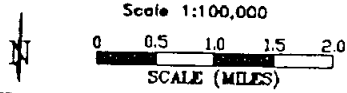


1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-28

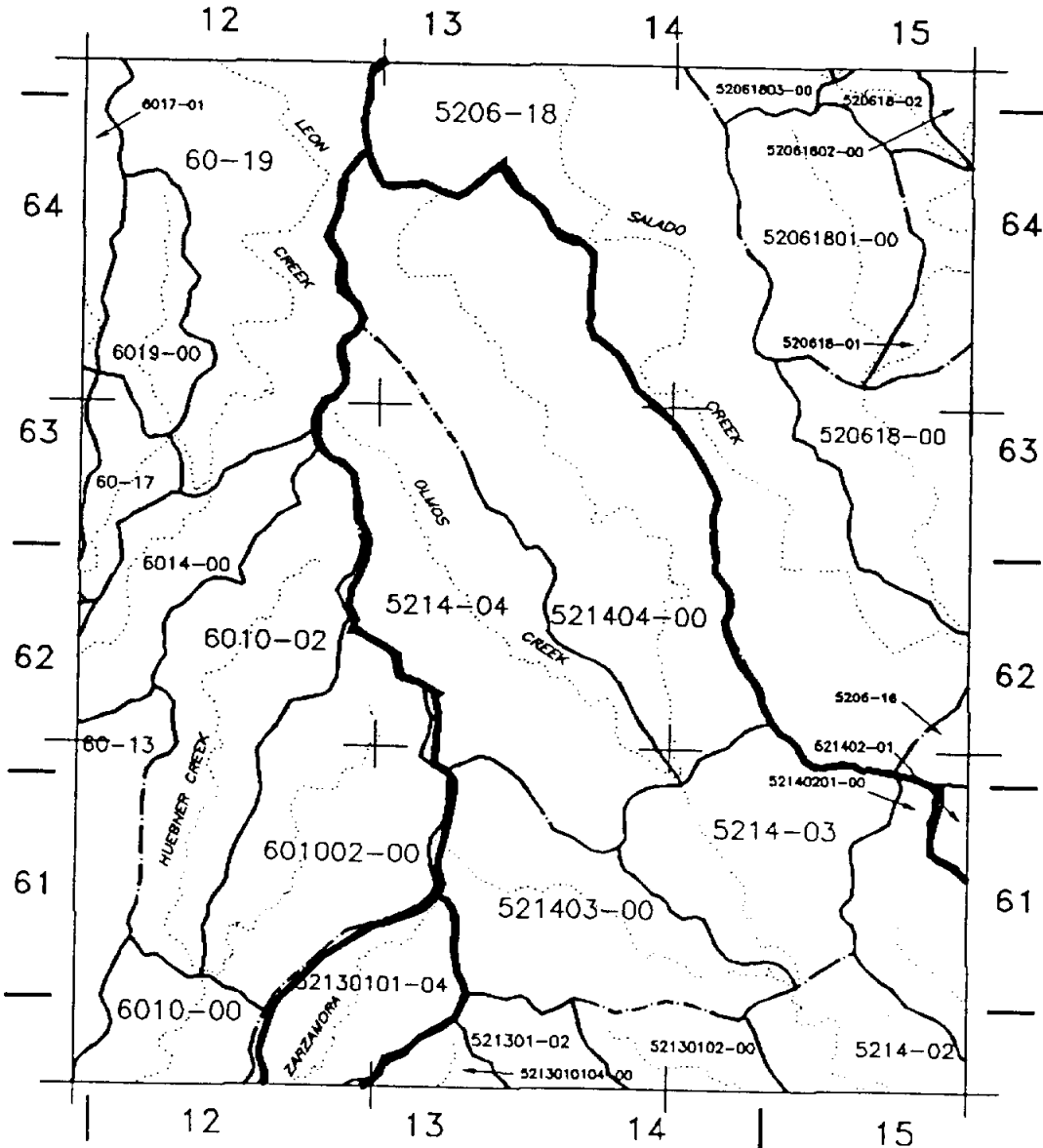
Map Name CASTLE HILLS



Latitude = 29

Longitude = 98

7.5' Area = E5



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5214040000- 0	5,418	1,222	1,443	1,909	2,176	4,681
Central	5214030000- 0	2,112	2,126	1,951	2,216	2,223	5,378
Central	5214020100- 0	1,102	1,325	1,328	1,416	1,417	1,691
Central	5214020000- 1	184	483	502	663	664	657
Central	5214000000- 4	3,398	2,479	3,454	3,824	3,843	5,790
Central	5214000000- 3	1,928	1,795	1,890	2,908	4,391	2,721
Central	5214000000- 2	1,010	326	326	330	329	2,783
Central	5213010200- 0	643					2,057
Central	5213010104- 0	184					215
Central	5213010100- 4	1,102	197	200	254	389	3,760
Central	5213010000- 2	551					3,010
Central		17,631	9,953	11,094	13,520	15,432	32,743

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-5

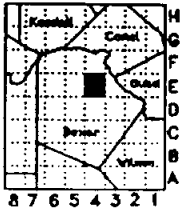
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6019000000- 0	918					12
Upper Leon	6014000000- 0	918	369	378	431	446	1,312
Upper Leon	6010020000- 0	2,663	279	279	283	555	6,345
Upper Leon	6010000000- 2	2,571	338	421	633	851	2,341
Upper Leon	6010000000- 0	918	1,124	1,219	1,319	1,348	2,081
Upper Leon	6000000000-19	2,847	36	35	35	35	134
Upper Leon	6000000000-17	459	4	5	4	3	2
Upper Leon	6000000000-13	551	189	193	226	237	530
Upper Leon		11,846	2,339	2,530	2,931	3,475	12,757

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Salado	5206180200- 0	92					3
Upper Salado	5206180100- 0	1,745	8	8	7	7	617
Upper Salado	5206180000- 2	367	1	1	1	1	26
Upper Salado	5206180000- 1	918	134	185	204	178	332
Upper Salado	5206180000- 0	1,653	151	262	418	493	1,563
Upper Salado	5206000000-18	5,969	754	821	2,037	2,858	10,165
Upper Salado	5206000000-16	275	641	643	644	646	649
Upper Salado		11,019	1,689	1,920	3,311	4,183	13,355

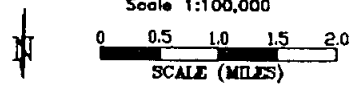


1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-29

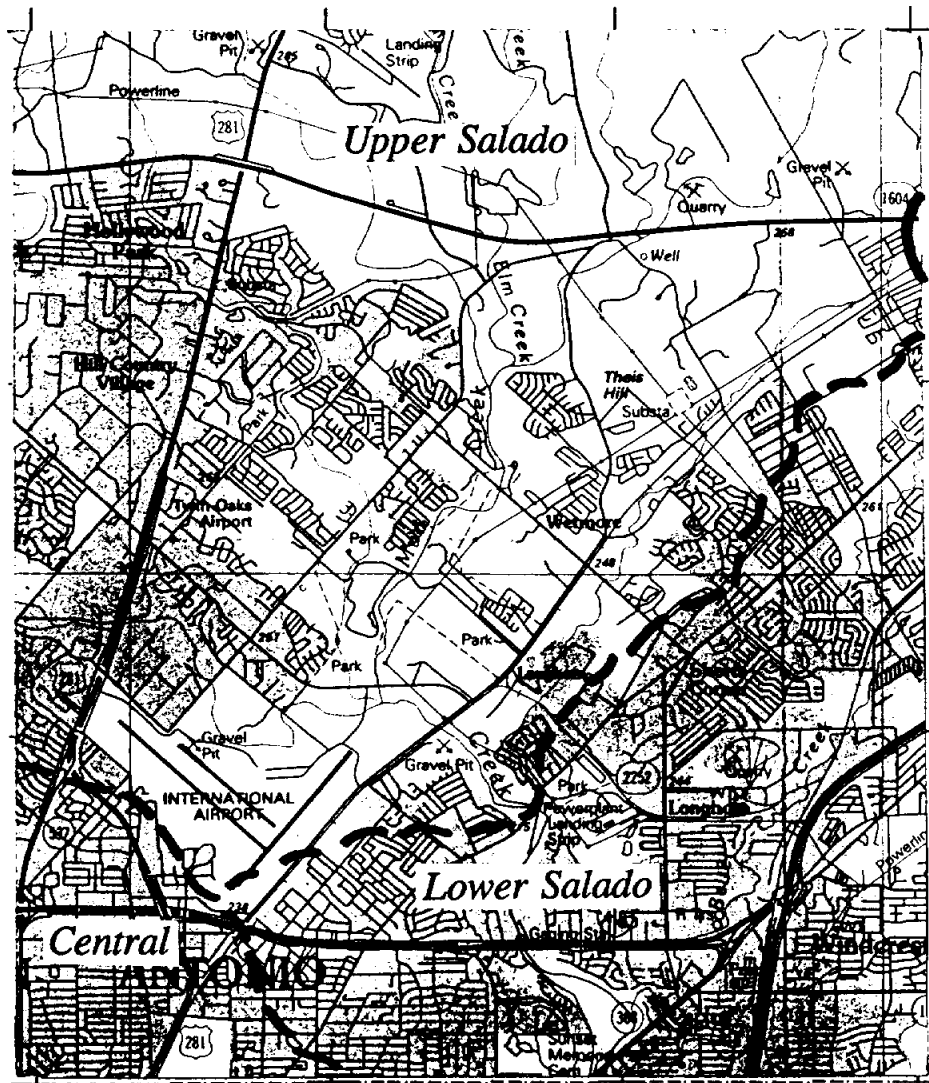
Map Name Longhorn



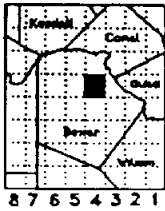
Latitude = 29

Longitude = 98

7.5' Area = E4



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
E - 4	Central	2,571	2,061	1,828	2,644	2,710	5,336
E - 4	Lower Salado	12,213	7,209	8,397	11,170	9,525	23,694
E - 4	Upper Salado	24,702	5,759	6,607	8,531	9,840	23,659
E - 4		39,486	15,029	16,832	22,345	22,075	52,689



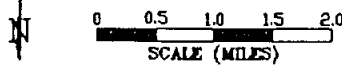
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4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-29

Map Name LONGHORN

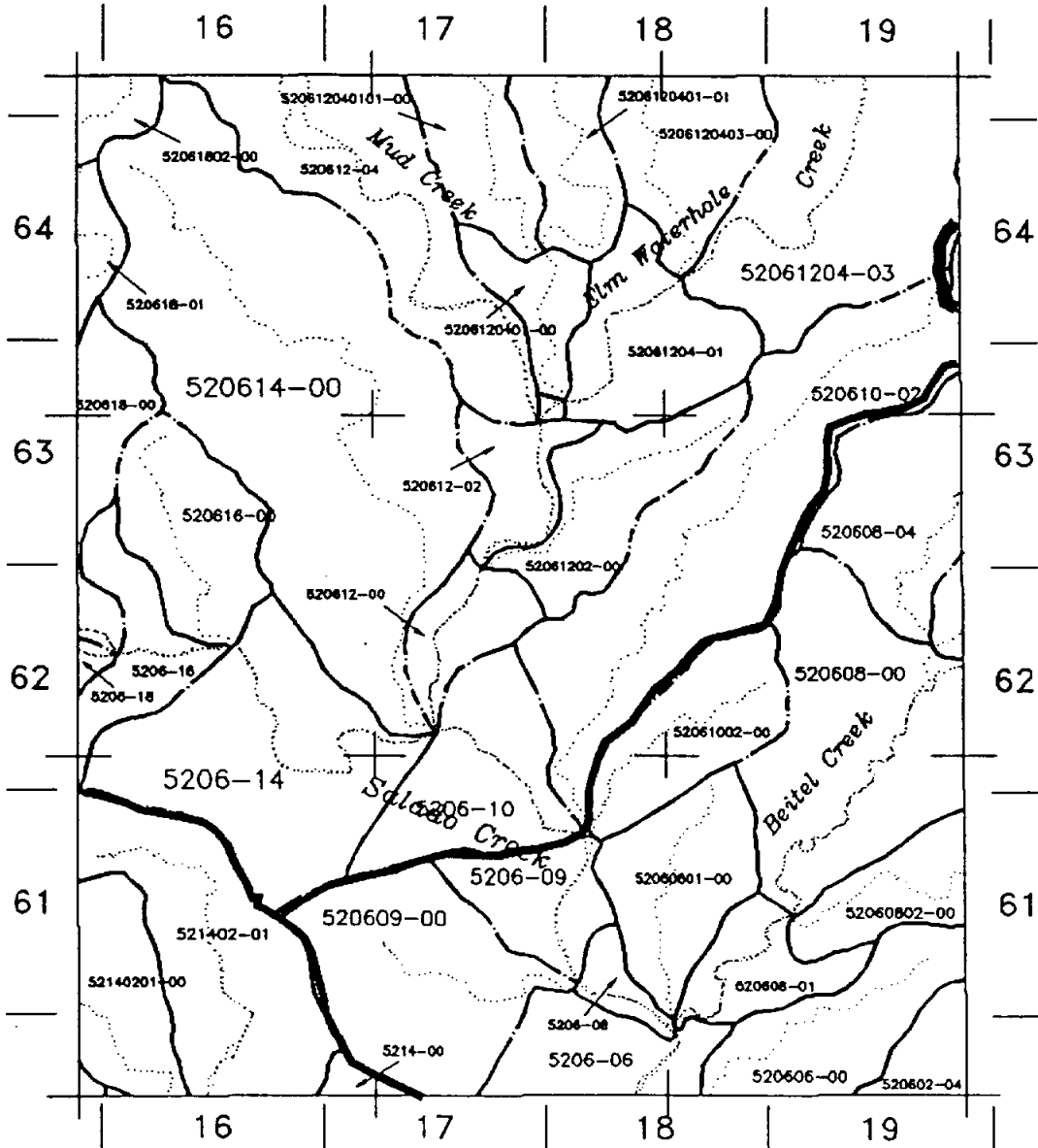
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = E4



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5214020100- 0	643	309	469	480	482	1,974
Central	5214020000- 1	1,928	1,752	1,359	2,164	2,228	3,362
Central		2,571	2,061	1,828	2,644	2,710	5,336

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-4

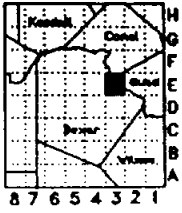
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Salado	5206090000- 0	1,745	1,234	1,333	1,390	1,427	2,844
Lower Salado	5206080400- 0	184	150	157	162	187	445
Lower Salado	5206080200- 0	826					1,467
Lower Salado	5206080100- 0	1,194	1,116	1,138	1,196	1,297	3,816
Lower Salado	5206080000- 4	1,469	550	1,418	1,207	1,398	3,739
Lower Salado	5206080000- 2	2,571	2,820	2,893	5,272	3,149	4,007
Lower Salado	5206080000- 1	551	411	421	820	937	1,243
Lower Salado	5206060000- 0	1,194					1,857
Lower Salado	5206020000- 4	551					862
Lower Salado	5206000000- 9	735	760	869	900	906	1,302
Lower Salado	5206000000- 8	275	168	168	223	224	740
Lower Salado	5206000000- 6	918					1,372
Lower Salado		12,213	7,209	8,397	11,170	9,525	23,694

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : E-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Salado	5206180000- 0	184	42	43	44	43	43
Upper Salado	5206160000- 0	1,102	197	249	324	570	1,332
Upper Salado	5206140000- 0	5,877	2,928	3,513	4,225	4,608	8,901
Upper Salado	5206120403- 0	643					0
Upper Salado	5206120401- 0	1,745	15	35	15	15	54
Upper Salado	5206120400- 3	2,020	4	4	4	8	669
Upper Salado	5206120400- 1	735	8	8	7	8	220
Upper Salado	5206120400- 0	459	29	42	127	147	239
Upper Salado	5206120200- 0	1,102	69	137	320	427	1,715
Upper Salado	5206120000- 4	1,561	60	134	231	244	725
Upper Salado	5206120000- 2	551	22	33	92	137	1,011
Upper Salado	5206120000- 0	643	9	10	9	12	736
Upper Salado	5206100200- 0	918	421	429	555	575	1,660
Upper Salado	5206100000- 2	2,938	631	860	1,308	1,674	3,845
Upper Salado	5206000000-16	643	69	71	69	152	312
Upper Salado	5206000000-14	2,296	676	462	501	520	1,227
Upper Salado	5206000000-10	1,286	579	577	700	700	970
Upper Salado		24,702	5,759	6,607	8,531	9,840	23,659



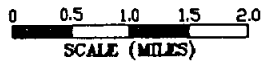
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4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-30

Map Name Schertz

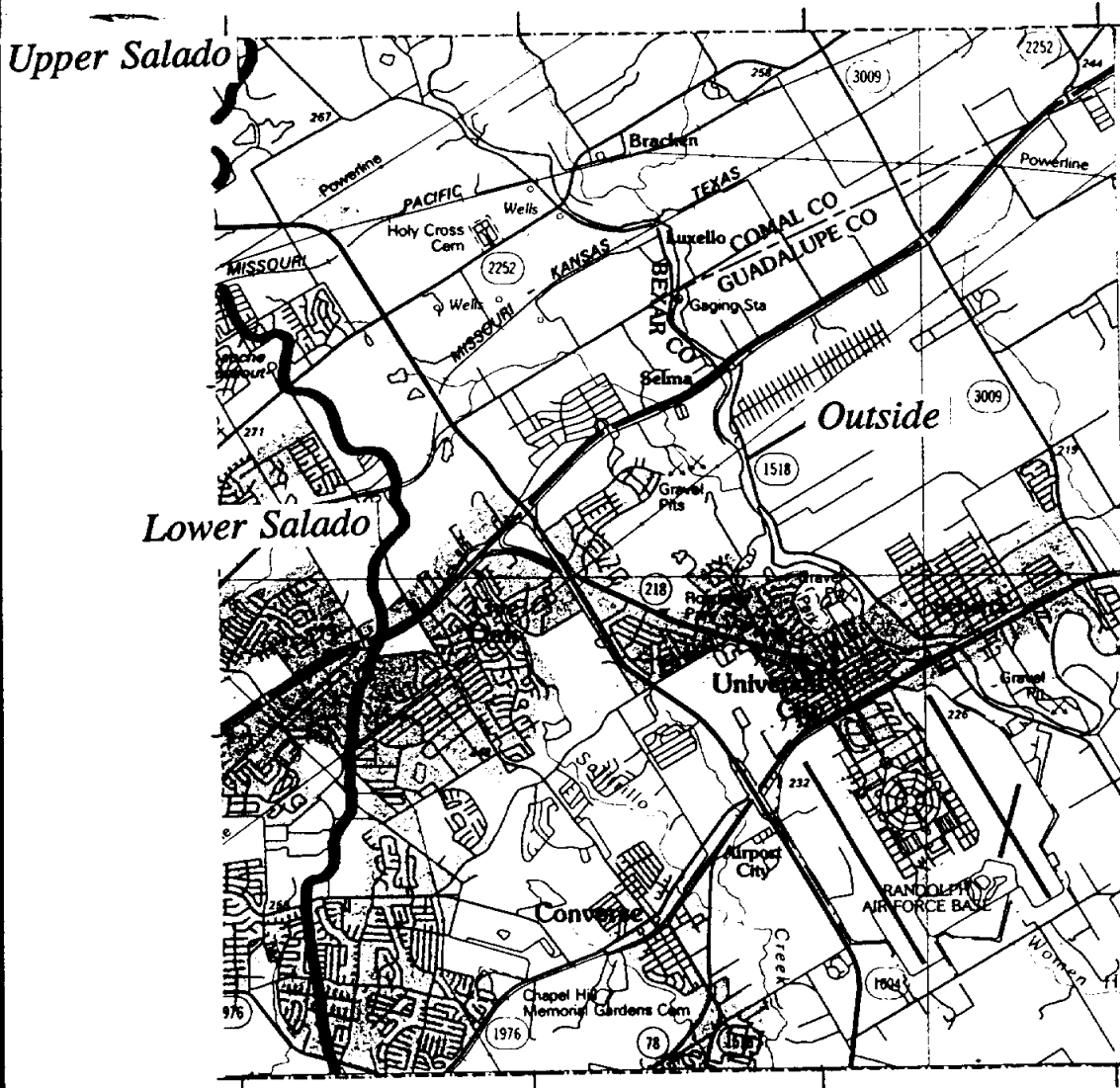
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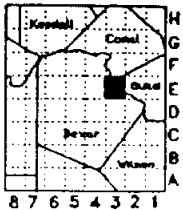
Latitude = 29

Longitude = 98

7.5' Area = E3



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
E - 3	Lower Salado	2,847					
E - 3		2,847					



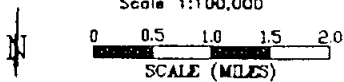
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-30

Map Name SCHERTZ

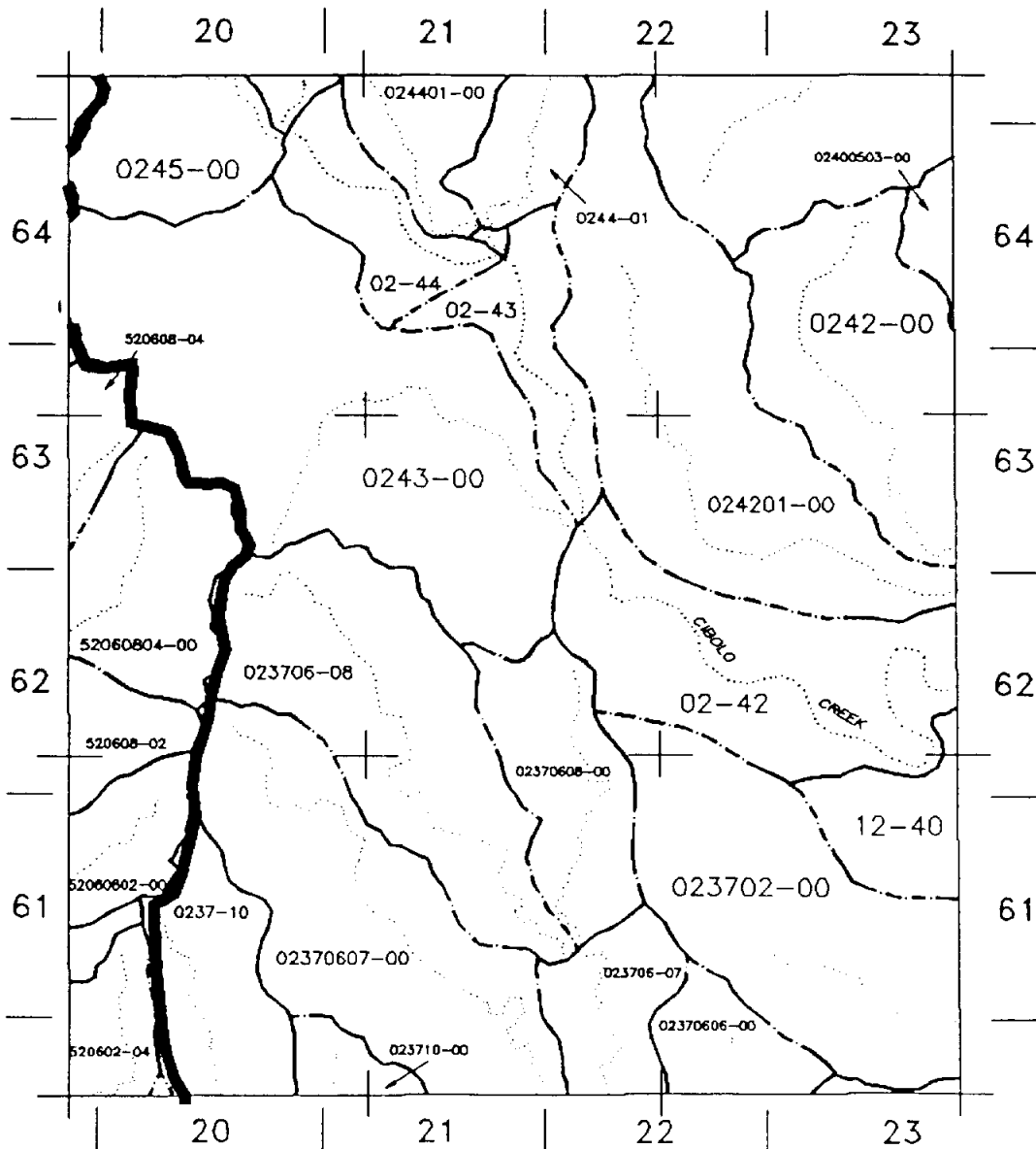
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Longitude = 98

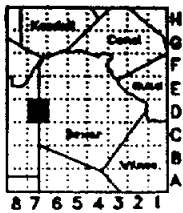
7.5' Area = E3



TOTAL RESIDENTIAL CONNECTIONS
1976-1988

7.5' Area : E-3

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Salado	5206080400- 0	1,377					
Lower Salado	5206080200- 0	459					
Lower Salado	5206080000- 4	184					
Lower Salado	5206080000- 2	275					
Lower Salado	5206060000- 0	92					
Lower Salado	5206020400- 0	92					
Lower Salado	5206020000- 4	367					
Lower Salado		2,847					



1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-34

Map Name La Coste NE

Scale 1:100,000

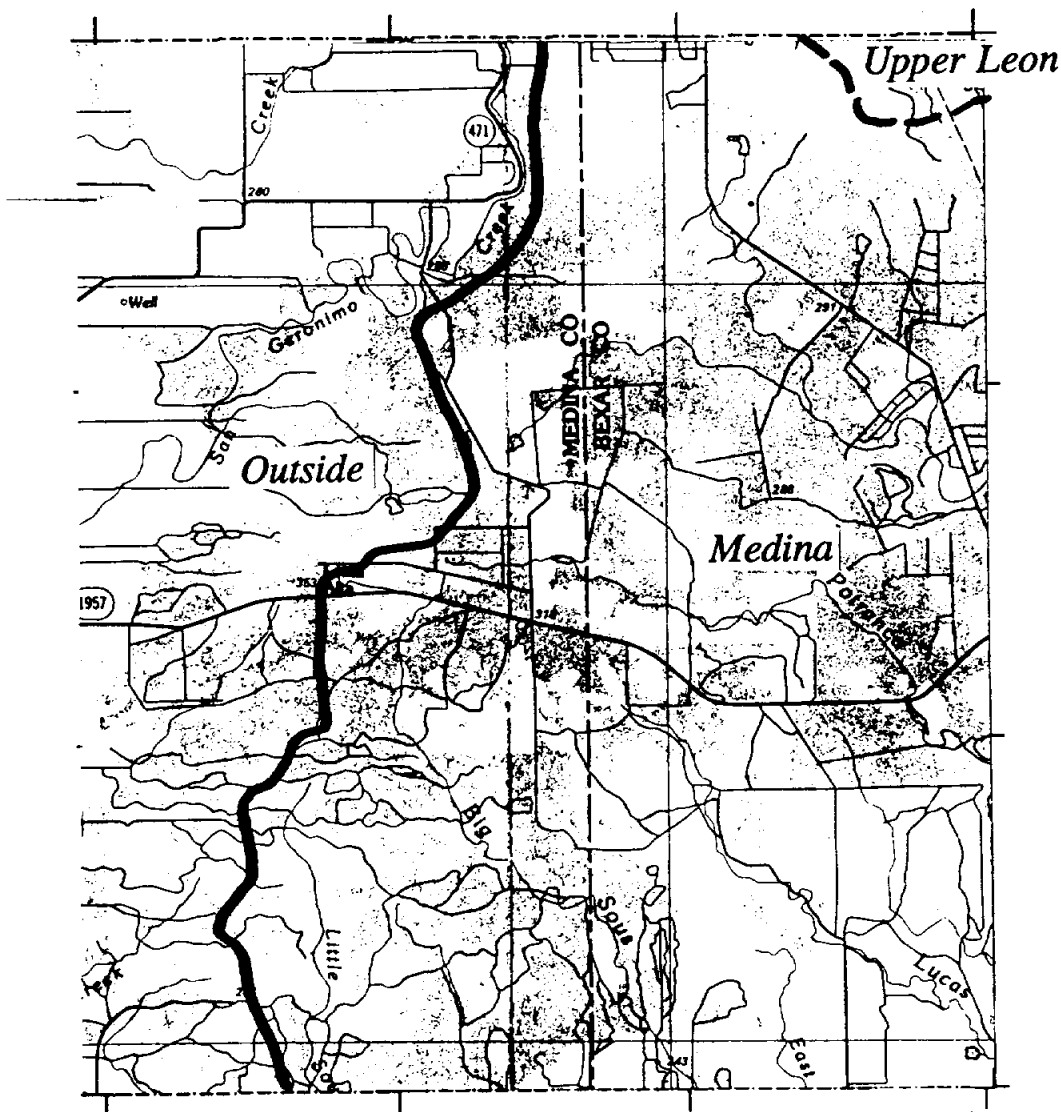


SCALE (MILES)

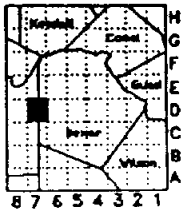
Latitude = 29

Longitude = 98

7.5' Area = D7



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
D - 7	Medina	20,294	215	224	235	259	607
D - 7	Upper Leon	643	4	5	10	10	16
D - 7		20,937	219	229	245	269	623



1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-34

Map Name LA COSTE NE

Scale 1:100,000



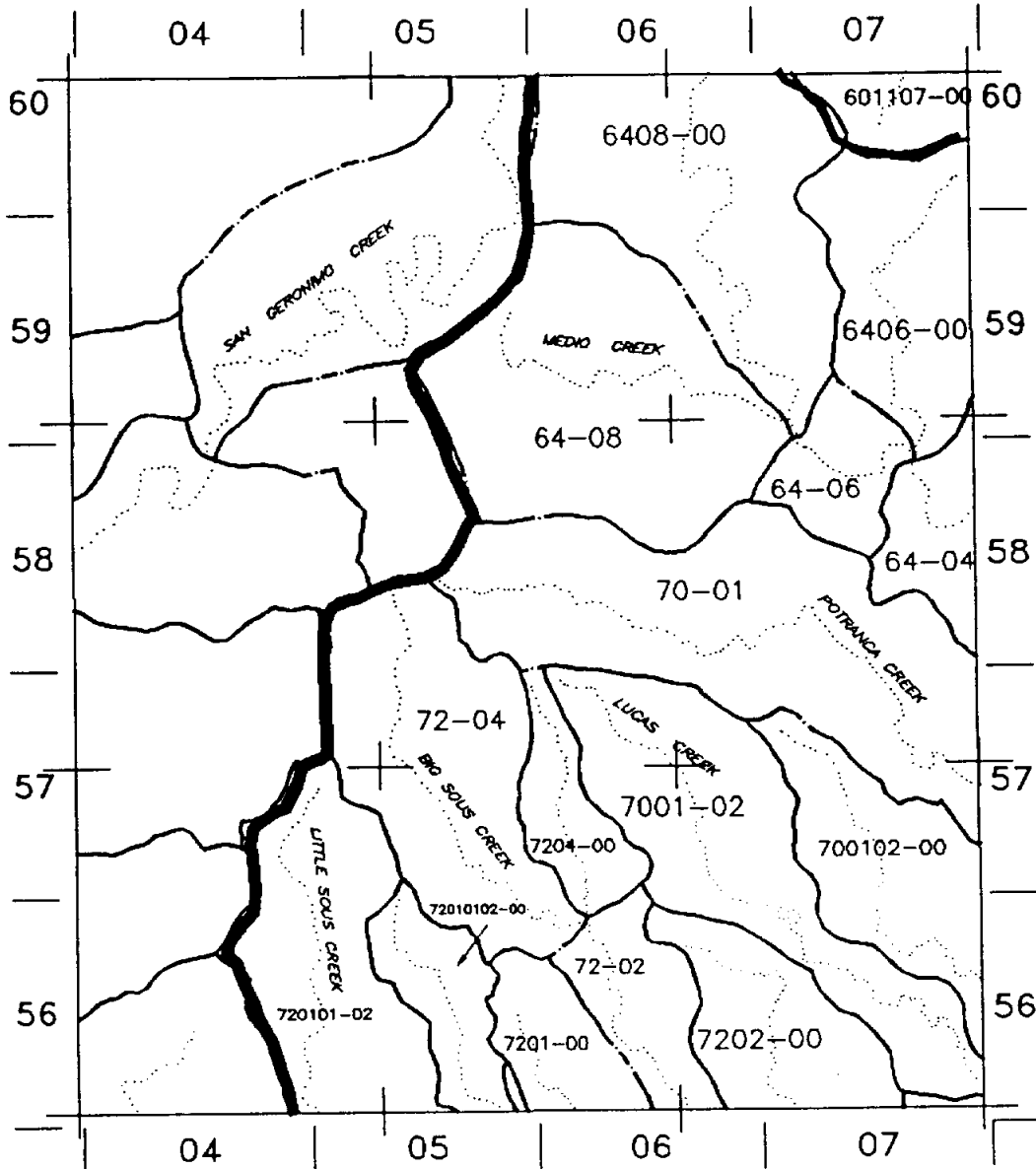
0 0.5 1.0 1.5 2.0

SCALE (MILES)

Latitude = 29

Longitude = 98

7.5' Area = D7



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-7

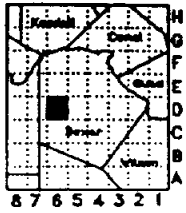
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Medina	7202000000- 0	1,928	3	3	3	3	3
Medina	7201000000- 1	184	1	1	1	1	1
Medina	7201000000- 0	275					
Medina	7200000000- 4	92					
Medina	7200000000- 2	1,010	7	8	7	7	57
Medina	7001020000- 0	1,469					1
Medina	7001000000- 2	2,663					
Medina	7001000000- 0	184					
Medina	7000000000- 1	3,489	4	4	5	7	46
Medina	6408000000- 0	3,030	99	107	103	108	201
Medina	6406000000- 0	1,745	20	20	27	27	57
Medina	6400000000- 8	2,571	3	3	3	3	1
Medina	6400000000- 6	735	11	12	16	25	124
Medina	6400000000- 4	918	67	66	70	78	116
Medina		20,294	215	224	235	259	607

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-7

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6011070000- 0	643	4	5	10	10	16
Upper Leon		643	4	5	10	10	16



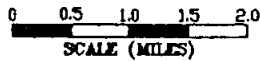
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68- 35

Map Name Culebra Hill

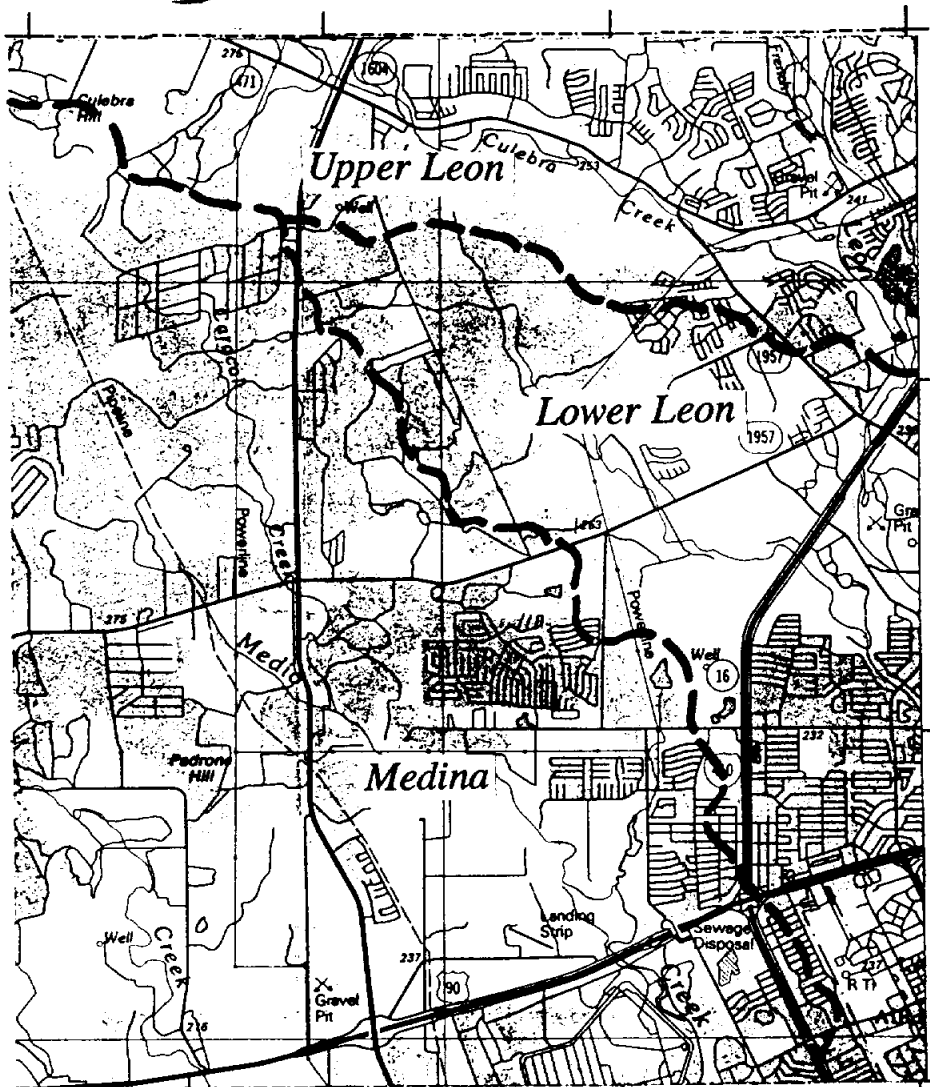
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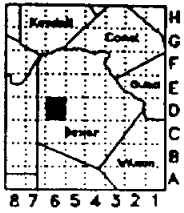
Latitude = 29

Longitude = 98

7.5' Area = D6



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
D - 6	Lower Leon	11,019	5,163	5,231	5,429	5,669	10,258
D - 6	Medina	22,314	2,691	2,847	3,301	3,778	10,638
D - 6	Upper Leon	8,815	1,346	2,027	7,592	6,693	11,280
D - 6		42,149	9,200	10,105	16,322	16,140	32,176



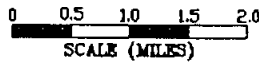
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-35

Map Name CULEBRA HILL

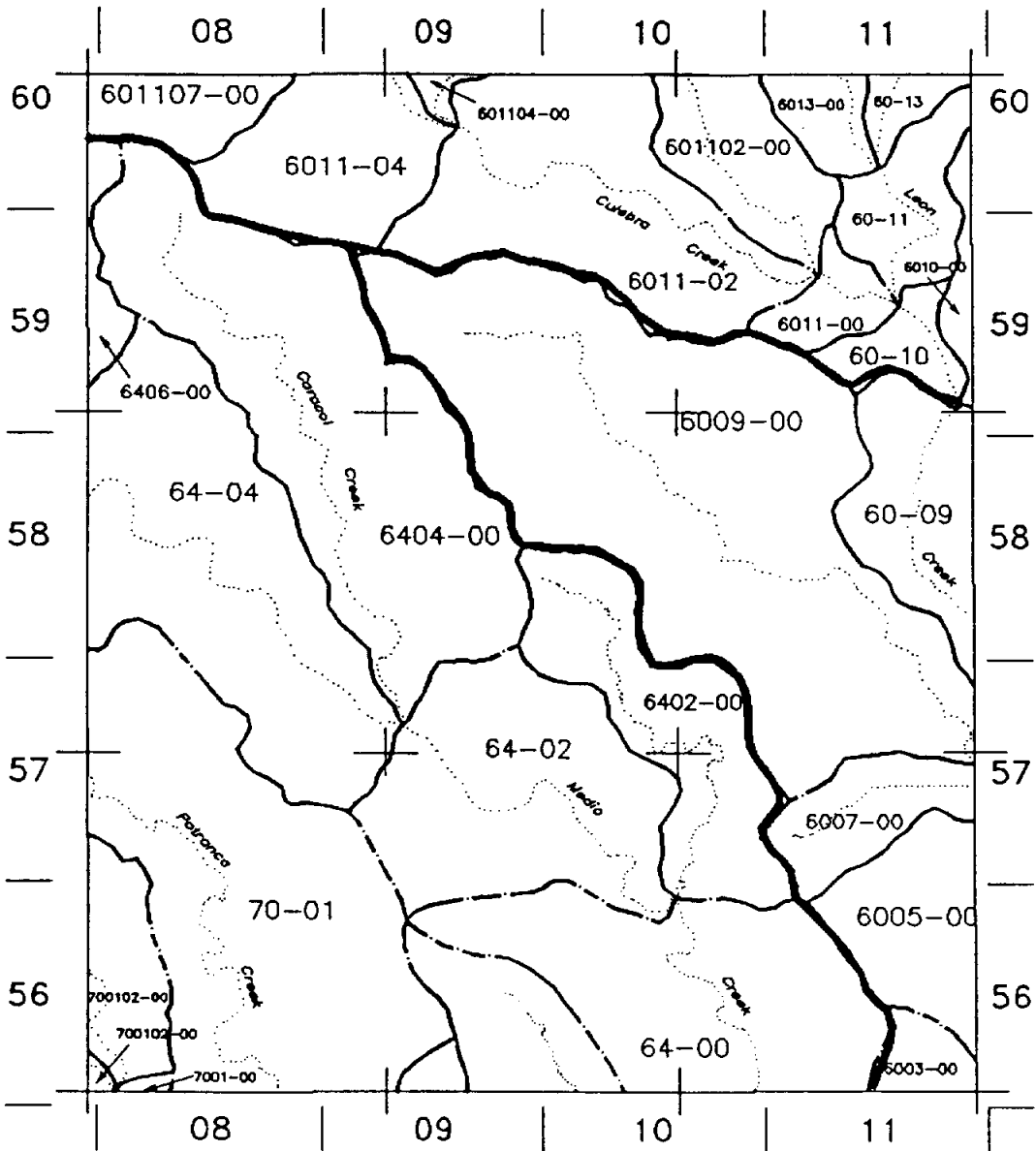
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = D6



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-6

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Leon	6009000000- 0	7,163	2,485	2,507	2,698	2,888	5,217
Lower Leon	6007000000- 0	918	2,071	2,104	2,100	2,127	2,413
Lower Leon	6005000000- 0	1,286	479	490	500	498	1,151
Lower Leon	6003000000- 0	367					480
Lower Leon	6000000000- 9	1,286	128	130	131	156	997
Lower Leon		11,019	5,163	5,231	5,429	5,669	10,258

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-6

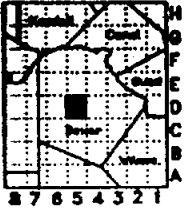
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Medina	7001020000- 0	735	1	1	1	1	325
Medina	7000000000- 1	4,500	103	107	110	112	134
Medina	6800000000- 0	92					
Medina	6600000000- 0	1,010	3	3	3	2	166
Medina	6406000000- 0	92	1	1	1	1	1
Medina	6404000000- 0	4,683	24	62	153	205	799
Medina	6402000000- 0	1,653	1,391	1,548	1,745	1,988	4,155
Medina	6400000000- 4	3,581	175	184	192	194	337
Medina	6400000000- 2	2,755	649	597	752	932	2,904
Medina	6400000000- 0	3,214	344	344	344	343	1,817
Medina		22,314	2,691	2,847	3,301	3,778	10,638

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : B-6

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6013000000- 0	275	3	4	4	23	261
Upper Leon	6011070000- 0	643	2	2	2	2	3
Upper Leon	6011020000- 0	918	36	199	2,641	902	2,658
Upper Leon	6011000000- 4	1,377	5	5	6	5	7
Upper Leon	6011000000- 2	3,214	37	119	555	932	3,694
Upper Leon	6011000000- 0	459	140	311	2,554	568	730
Upper Leon	6010000000- 0	459	295	301	448	453	1,213
Upper Leon	6000000000-13	275	402	515	621	2,973	718
Upper Leon	6000000000-11	643	215	355	530	605	779
Upper Leon	6000000000-10	551	211	216	231	230	1,217
Upper Leon		8,815	1,346	2,027	7,592	6,693	11,280



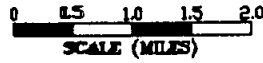
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-36

Map Name San Antonio West

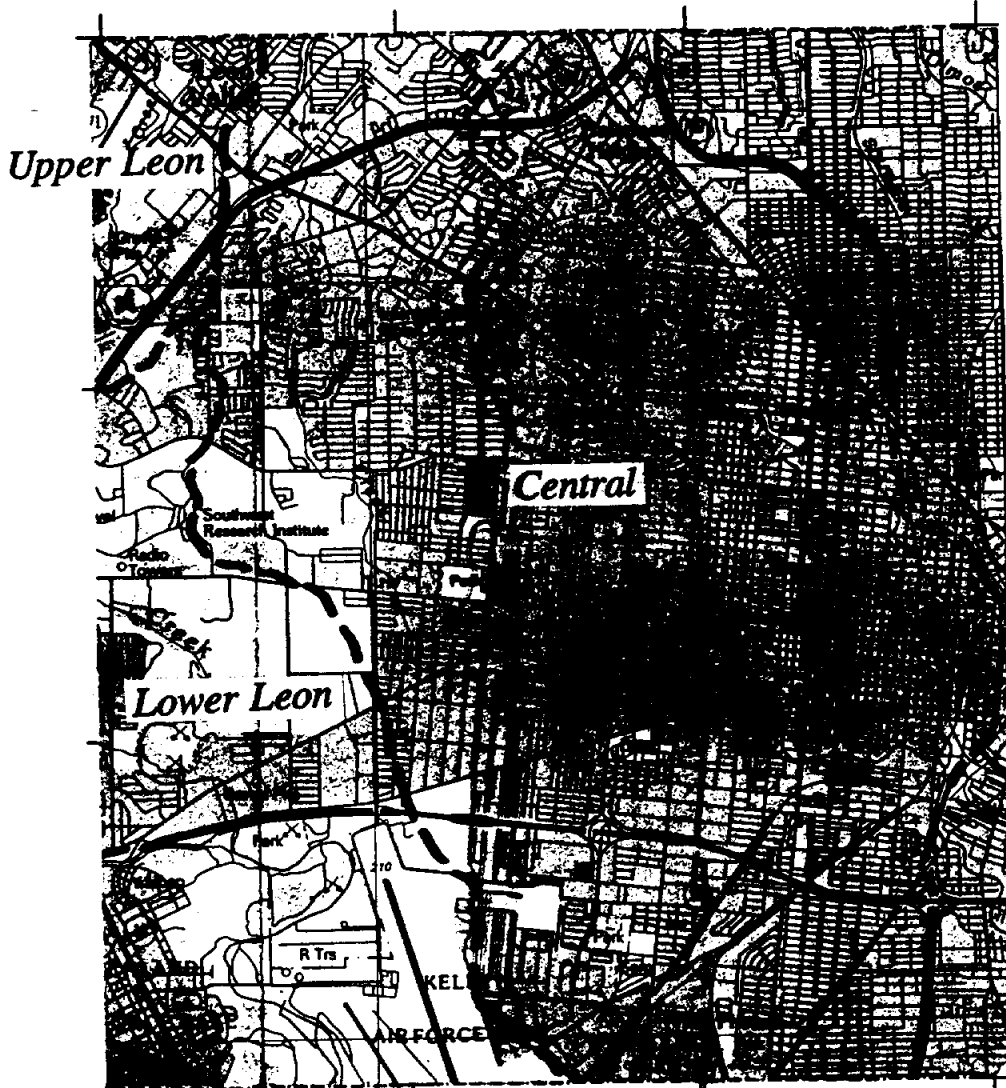
Scale 1:100,000



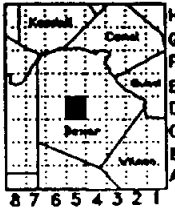
Latitude = 29

Longitude = 98

7.5' Area = D5



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
D - 5	Central	31,864	80,102	77,586	81,283	84,514	87,140
D - 5	Lower Leon	8,081	1,392	1,424	2,156	1,565	2,407
D - 5	Upper Leon	826	795	813	851	856	1,194
D - 5		40,771	82,289	79,823	84,290	86,935	90,741



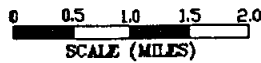
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-36

Map Name SAN ANTONIO WEST

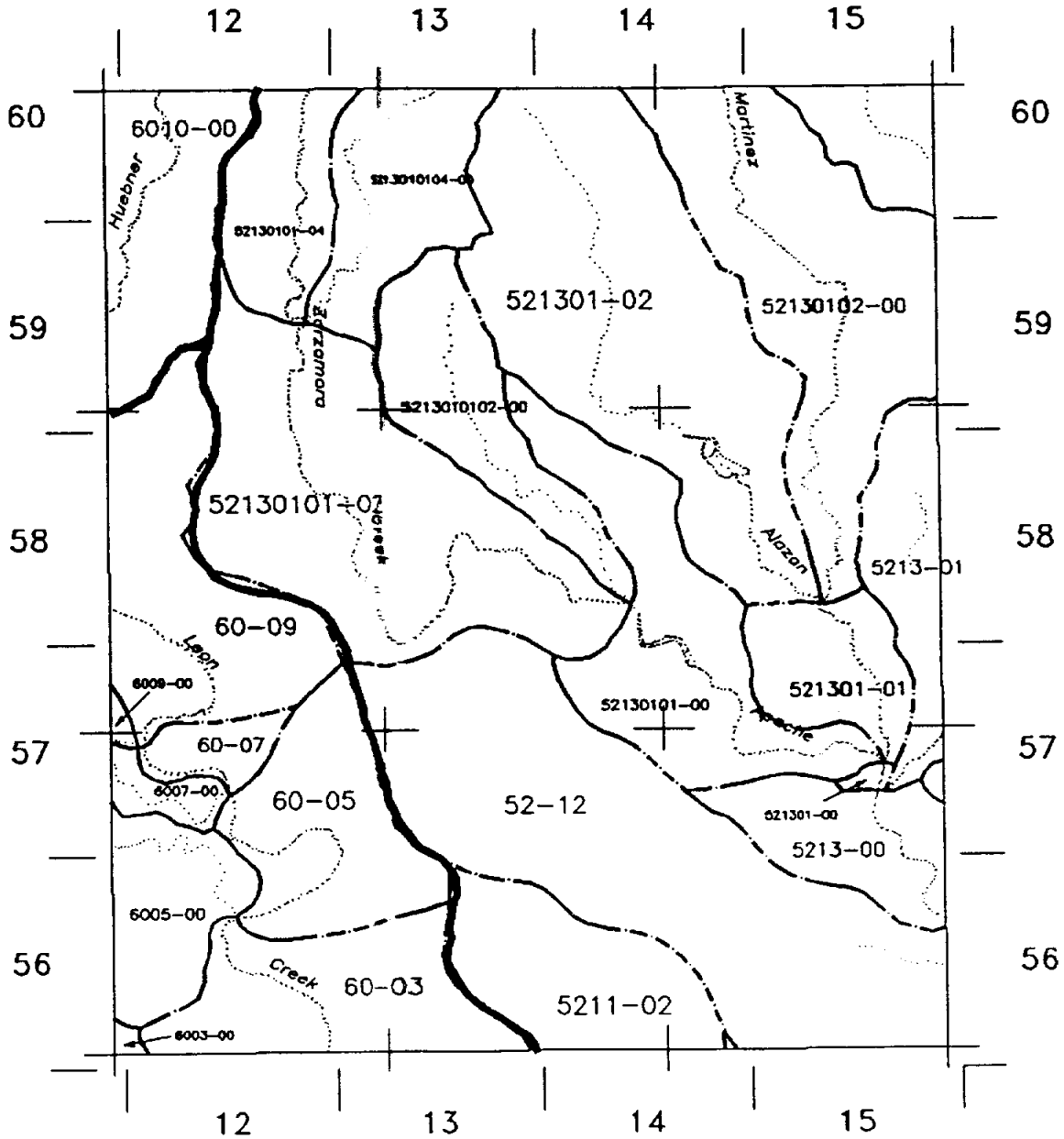
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = D5



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5214000000- 2	826	2,079	2,133	2,132	2,142	2,519
Central	5213010200- 0	3,765	13,821	13,491	13,203	13,150	13,609
Central	5213010104- 0	1,561	2,056	2,099	3,179	2,424	3,434
Central	5213010102- 0	1,653	2,743	2,753	2,944	2,945	3,852
Central	5213010100- 2	4,408	7,488	7,771	9,885	13,345	9,557
Central	5213010100- 0	3,030	8,601	8,788	9,047	8,883	9,507
Central	5213010000- 2	5,051	12,409	12,625	13,033	13,479	15,565
Central	5213010000- 1	1,102	7,231	4,184	4,106	4,065	4,227
Central	5213000000- 1	1,286	3,183	3,171	3,311	3,364	3,563
Central	5213000000- 0	1,469	4,107	4,104	4,055	4,057	4,024
Central	5211000000- 2	1,653	962	964	968	973	982
Central	5200000000-12	6,061	15,422	15,503	15,420	15,687	16,301
Central		31,864	80,102	77,586	81,283	84,514	87,140

TOTAL RESIDENTIAL CONNECTIONS

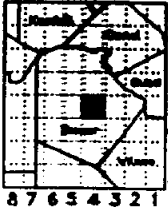
1976-1988

7.5' Area : D-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Leon	6007000000- 0	184	151	158	160	160	178
Lower Leon	6005000000- 0	918	8	8	12	12	25
Lower Leon	6000000000- 9	2,388	569	586	668	727	1,034
Lower Leon	6000000000- 7	275	109	115	117	121	122
Lower Leon	6000000000- 5	2,020	449	449	1,092	440	467
Lower Leon	6000000000- 3	2,296	106	108	107	105	581
Lower Leon		8,081	1,392	1,424	2,156	1,565	2,407

TOTAL RESIDENTIAL CONNECTIONS
1976-1988
7.5' Area : D-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Upper Leon	6010000000- 0	826	795	813	851	856	1,194
Upper Leon		826	795	813	851	856	1,194



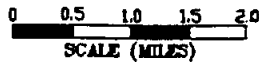
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7	8	9

7.5 Minute Area

Water Well ID 68-37

Map Name San Antonio East

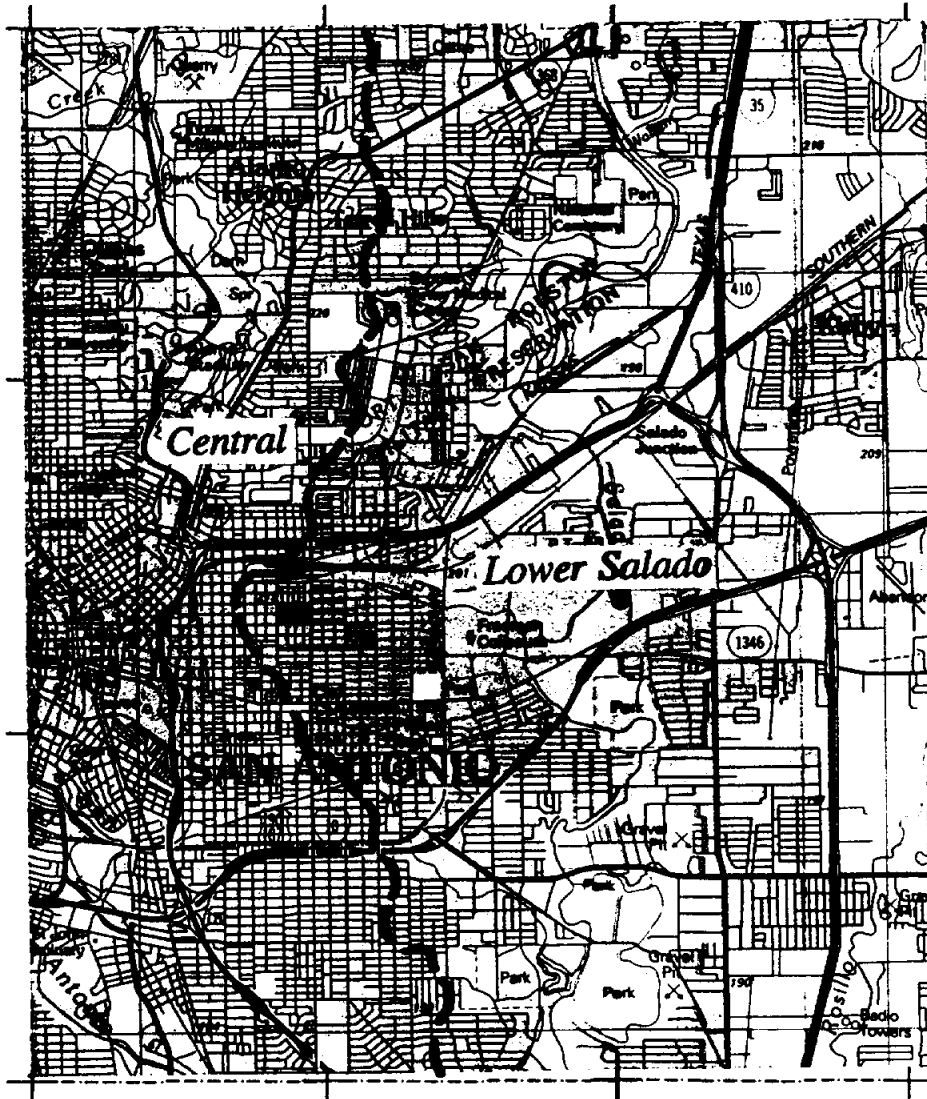
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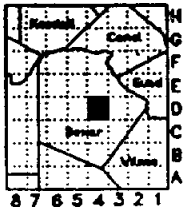
Latitude = 29

Longitude = 98

7.5' Area = D4



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
B - 4	Central	14,141	30,801	31,288	32,314	31,219	32,074
D - 4	Lower Salado	26,814	24,678	26,319	28,115	26,392	30,623
D - 4		40,955	55,479	57,607	58,429	57,611	62,697



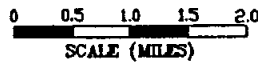
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-37

Map Name SAN ANTONIO EAST

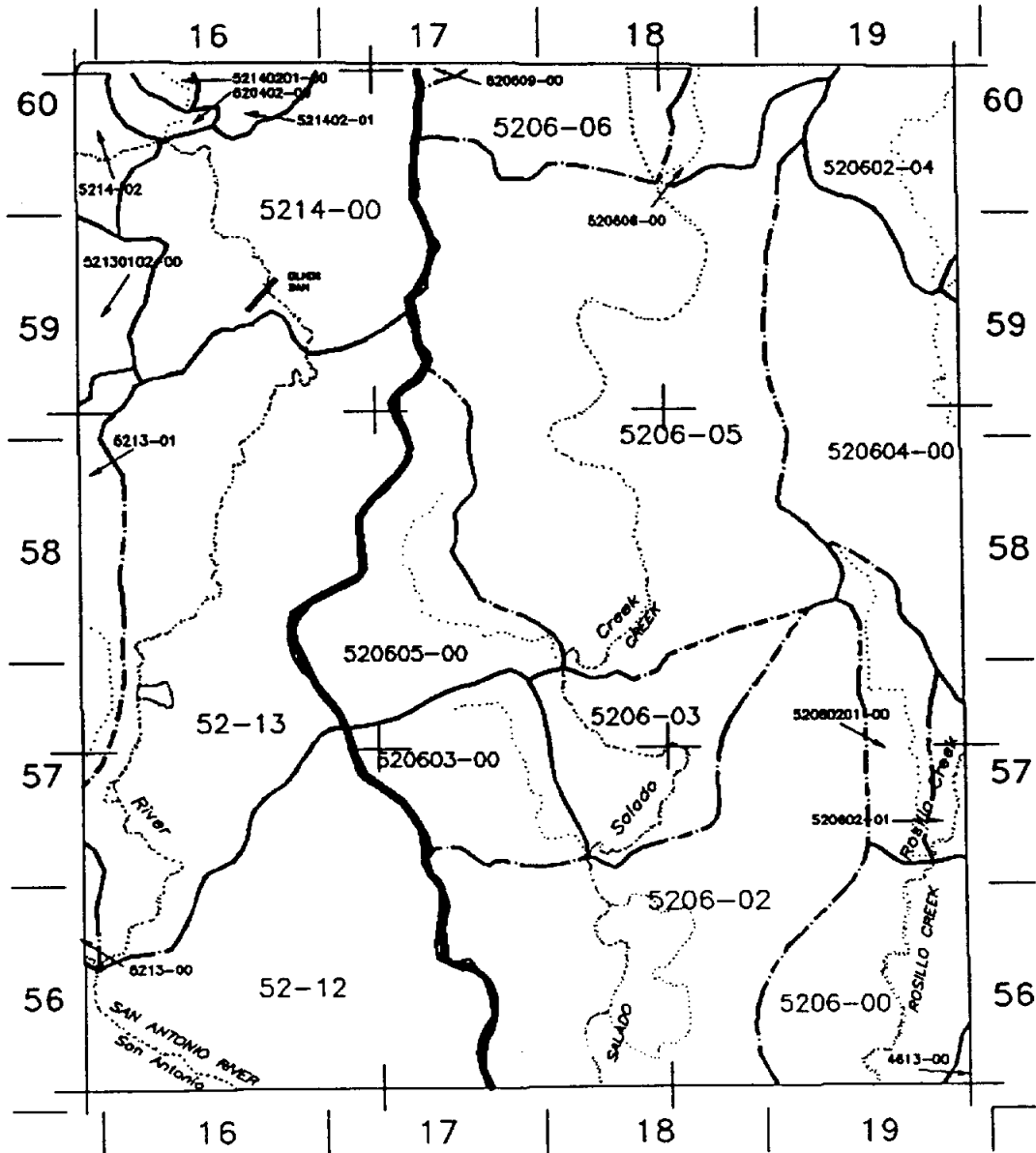
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = D4



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-4

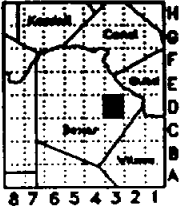
Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5214020000- 0	184	126	135	171	174	180
Central	5214000000- 2	184	213	216	243	231	440
Central	5214000000- 0	3,122	5,573	5,633	5,698	5,761	5,751
Central	5213000000- 1	367	627	592	589	787	772
Central	5200000000-13	5,601	10,632	10,885	10,623	10,618	10,795
Central	5200000000-12	4,683	13,630	13,827	14,990	13,648	14,136
Central		14,141	30,801	31,288	32,314	31,219	32,074

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Salado	5206060000- 0	367	1,331	1,331	1,334	1,332	1,331
Lower Salado	5206050000- 0	1,745	3,376	3,919	3,698	3,609	3,633
Lower Salado	5206030000- 0	1,469	3,389	3,356	3,269	3,266	3,437
Lower Salado	5206020100- 0	918	68	66	65	61	75
Lower Salado	5206020000- 4	1,194	1,286	1,293	1,291	1,293	1,259
Lower Salado	5206020000- 2	3,857	1,957	1,965	2,078	2,190	3,837
Lower Salado	5206020000- 1	367	16	30	39	42	95
Lower Salado	5206020000- 0	2,204	911	1,058	1,280	1,660	2,101
Lower Salado	5206000000- 6	1,010	1,624	1,654	1,804	1,801	2,563
Lower Salado	5206000000- 5	7,805	4,378	5,093	4,529	4,536	4,788
Lower Salado	5206000000- 3	1,377	1,625	1,622	1,758	1,607	1,851
Lower Salado	5206000000- 2	4,500	4,717	4,932	4,970	4,995	5,653
Lower Salado		26,814	24,678	26,319	26,115	26,392	30,623



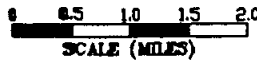
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well # 68-38

Map Name Martinez

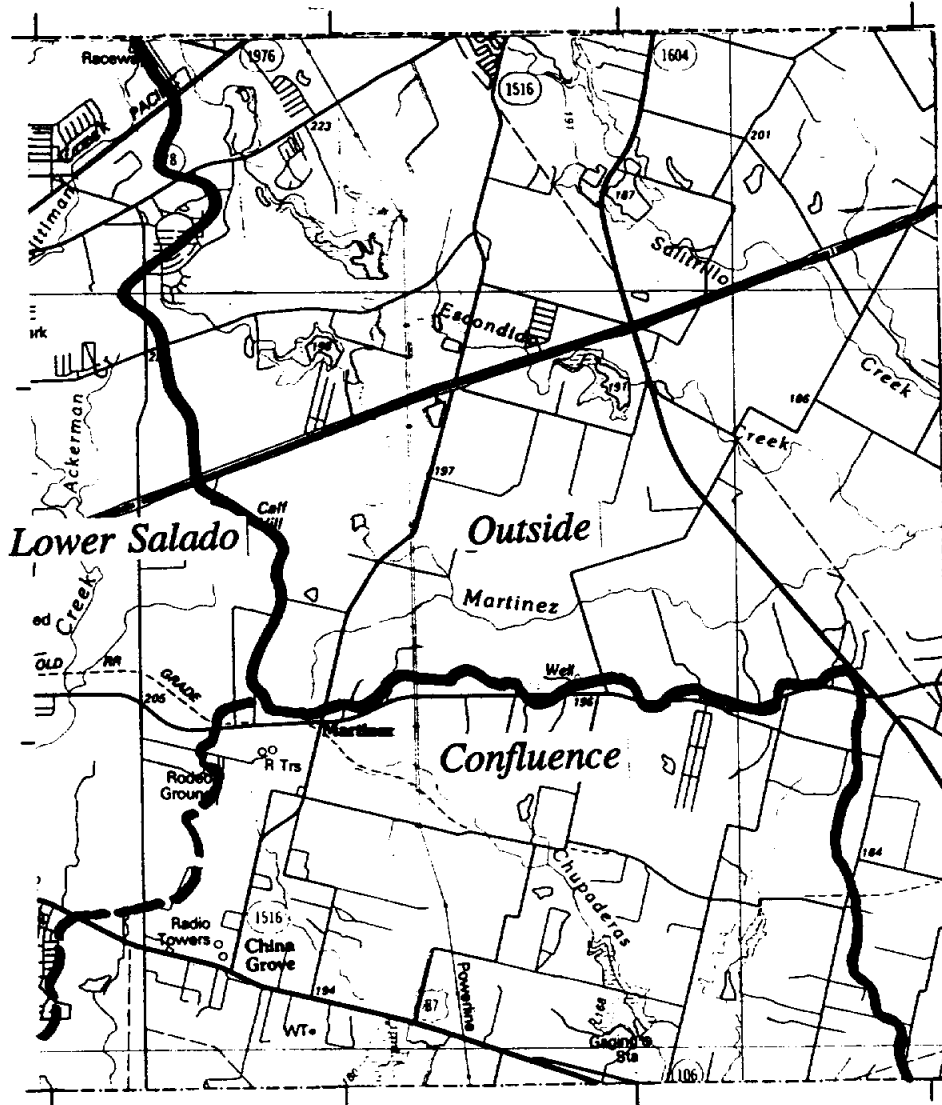
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = D3



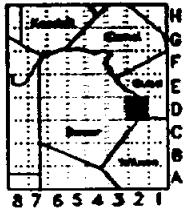
QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
D - 3	Lower Salado	5,326					322
D - 3		5,326					322

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-3

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Salado	5206020400- 0	1,010					
Lower Salado	5206020200- 0	1,286					230
Lower Salado	5206020000- 4	92					
Lower Salado	5206020000- 2	1,745					
Lower Salado	5206020000- 1	643					7
Lower Salado	5206020000- 0	551					85
Lower Salado		5,326					322



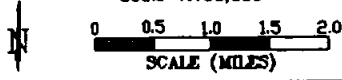
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-39

Map Name Saint Hedwig

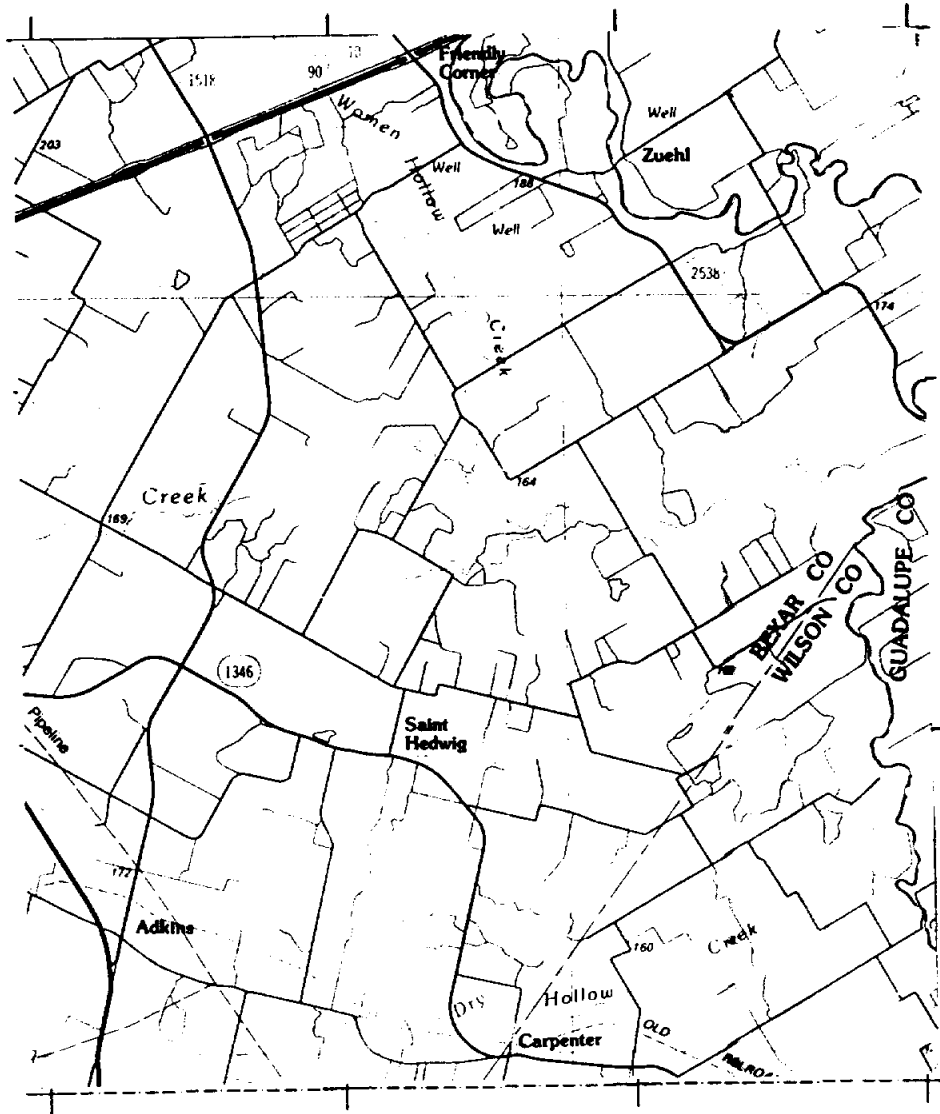
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = D2



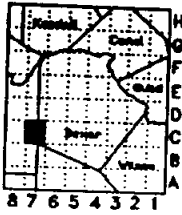
GLWD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
0 - 2	Central	459	171	172	172	173	541
0 - 2		459	171	172	172	173	541

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : D-2

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5213010100- 4	459	171	172	172	173	541
Central		459	171	172	172	173	541



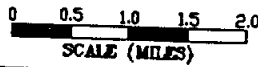
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-42

Map Name La Coste

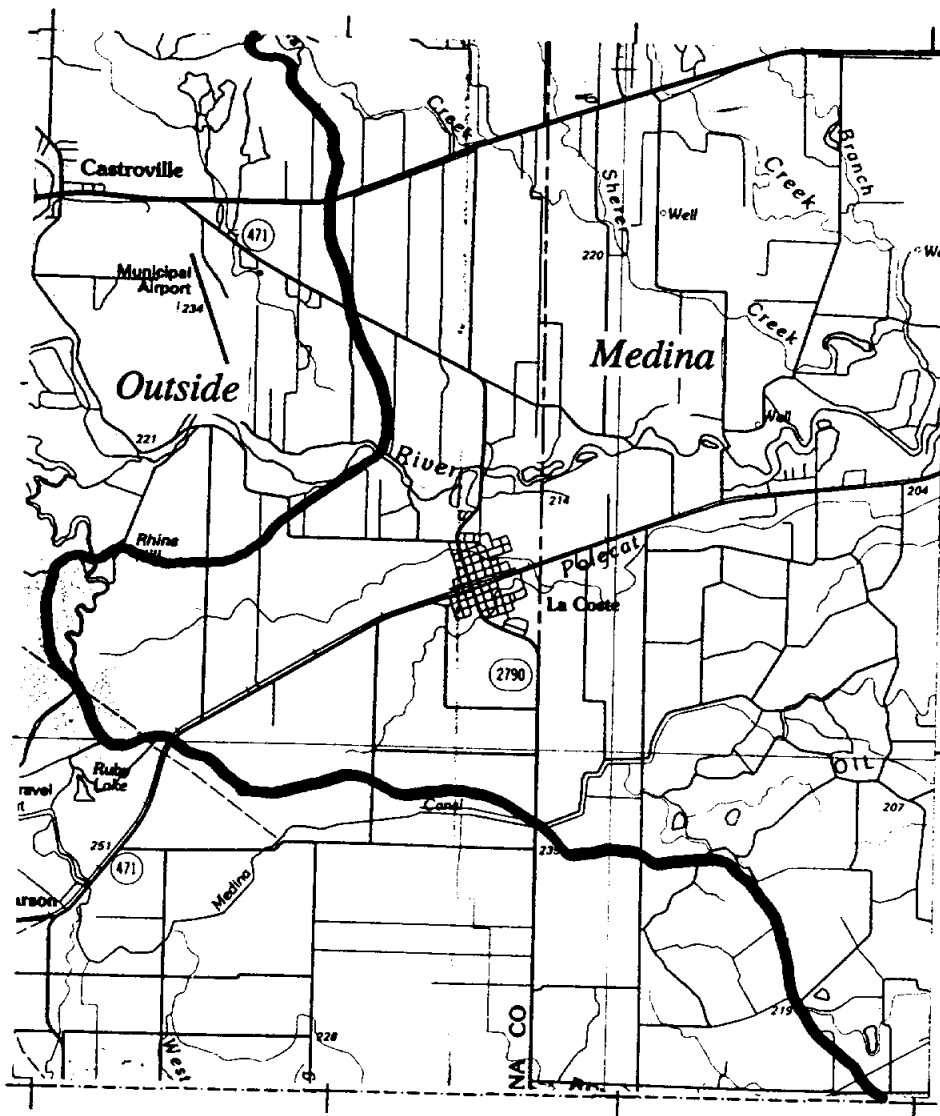
Scale 1:100,000



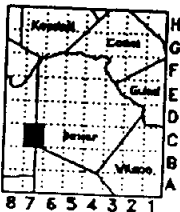
Latitude = 29

Longitude = 98

7.5' Area = C7



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
C - 7	Medina	12,489	270	281	283	279	384
C - 7		12,489	270	281	283	279	384

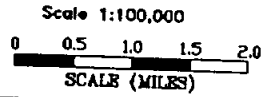


1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-42

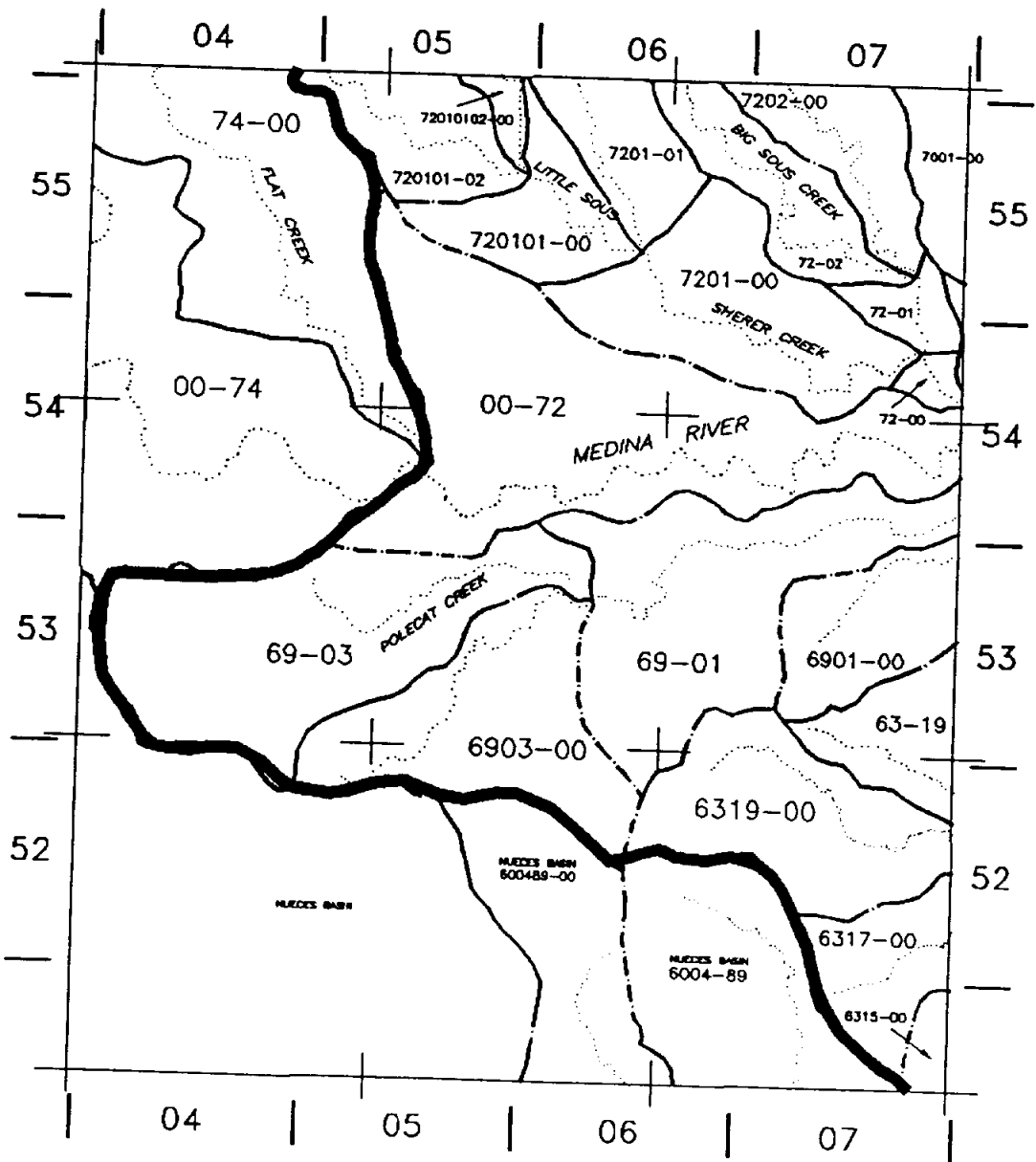
Map Name LA COSTE



Latitude = 29

Longitude = 98

7.5' Area = C7

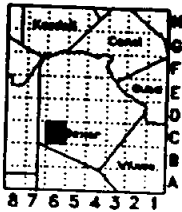


TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : C-7

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Medina	7202000000- 0	826	7	7	7	7	7
Medina	7201010000- 0	459	7	7	8	8	8
Medina	7201000000- 1	826	8	8	5	5	55
Medina	7201000000- 0	1,928	5	5	5	5	6
Medina	7200000000- 2	918	13	13	13	10	21
Medina	7200000000- 1	367					
Medina	7200000000- 0	184					
Medina	7001000000- 0	367	16	17	17	17	23
Medina	6901000000- 0	1,102	45	48	51	51	59
Medina	6900000000- 1	2,847	126	132	132	136	158
Medina	0-72	2,663	43	44	45	40	47
Medina		12,489	270	281	283	279	384



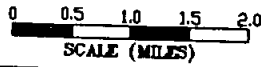
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-43

Map Name Macdona

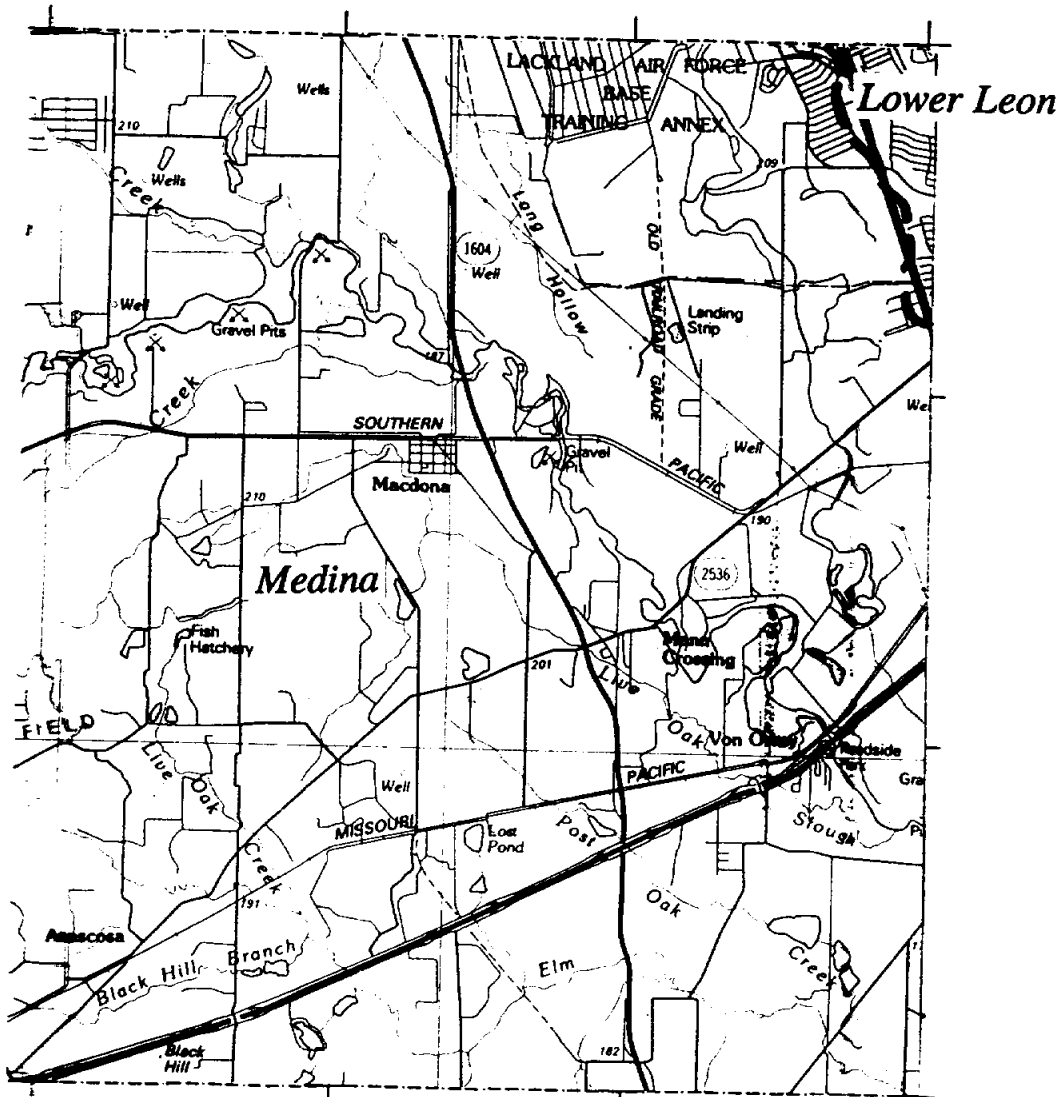
Scale 1:100,000



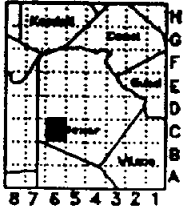
Latitude = 29

Longitude = 98

7.5' Area = C6



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
C - 6	Lower Leon	735	898	914	914	913	924
C - 6	Medina	25,895	1,464	1,699	1,683	1,482	1,597
C - 6		26,630	2,362	2,613	2,597	2,395	2,521



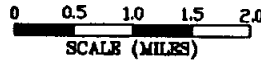
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-43

Map Name MACDONA

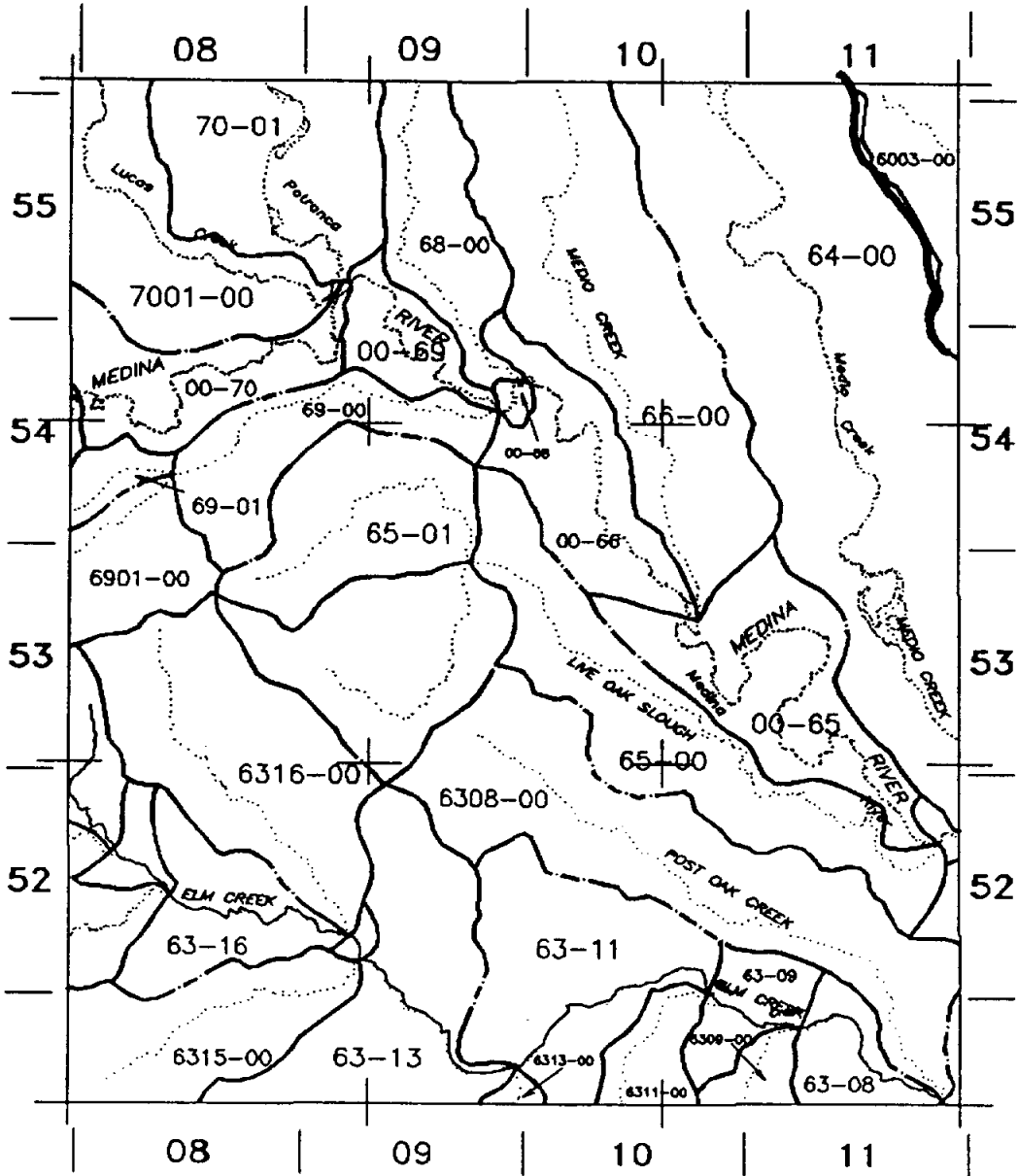
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = C6



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

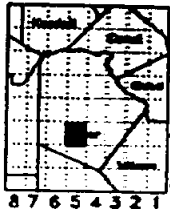
7.5' Area : C-6

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Leon	6003000000- 0	735	898	914	914	913	924
Lower Leon		735	898	914	914	913	924

TOTAL RESIDENTIAL CONNECTIONS
1976-1988

7.5' Area : C-6

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Medina	7001000000- 0	1,653	103	108	111	108	128
Medina	7000000000- 1	1,653	1	1	1	1	5
Medina	6901000000- 0	643	4	4	4	4	10
Medina	6900000000- 1	184	2	2	2	2	2
Medina	6900000000- 0	1,194	24	28	29	31	45
Medina	6800000000- 0	1,102	2	2	2	2	3
Medina	6600000000- 0	3,214	18	18	19	19	18
Medina	6501000000- 0	1,745	62	65	62	65	74
Medina	6500000000- 1	1,377	105	112	104	104	115
Medina	6500000000- 0	2,296	267	251	454	251	304
Medina	6400000000- 0	6,336	769	978	773	769	763
Medina	0-70	1,102	20	21	20	22	25
Medina	0-69	459	3	3	1	1	2
Medina	0-68	92	2	2	2	2	1
Medina	0-66	1,286	14	14	14	14	16
Medina	0-65	1,561	88	90	85	87	86
Medina		25,895	1,464	1,699	1,683	1,482	1,597



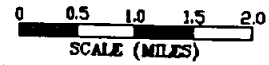
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-44

Map Name Terrell Wells

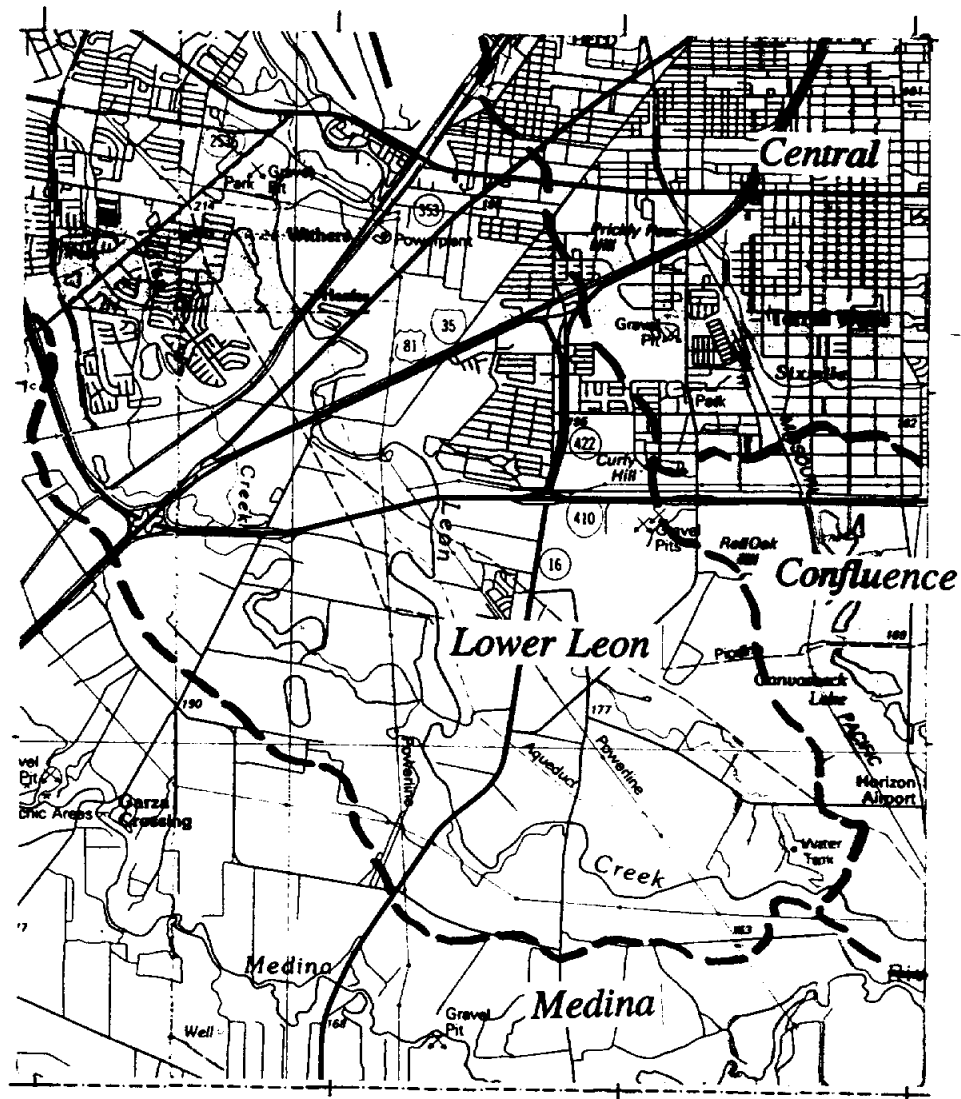
Scale 1:100,000



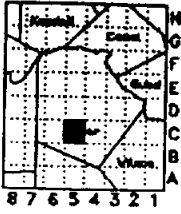
Latitude = 29

Longitude = 98

7.5' Area = C5



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
C - 5	Central	6,520	11,768	12,608	11,858	13,444	12,874
C - 5	Lower Leon	12,856	5,935	6,165	6,889	9,377	7,615
C - 5	Medina	826	21	22	21	19	26
C - 5		20,202	17,724	18,795	18,728	22,840	20,515



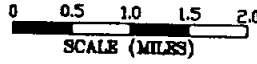
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68- 44

Map Name TERREL WELLS

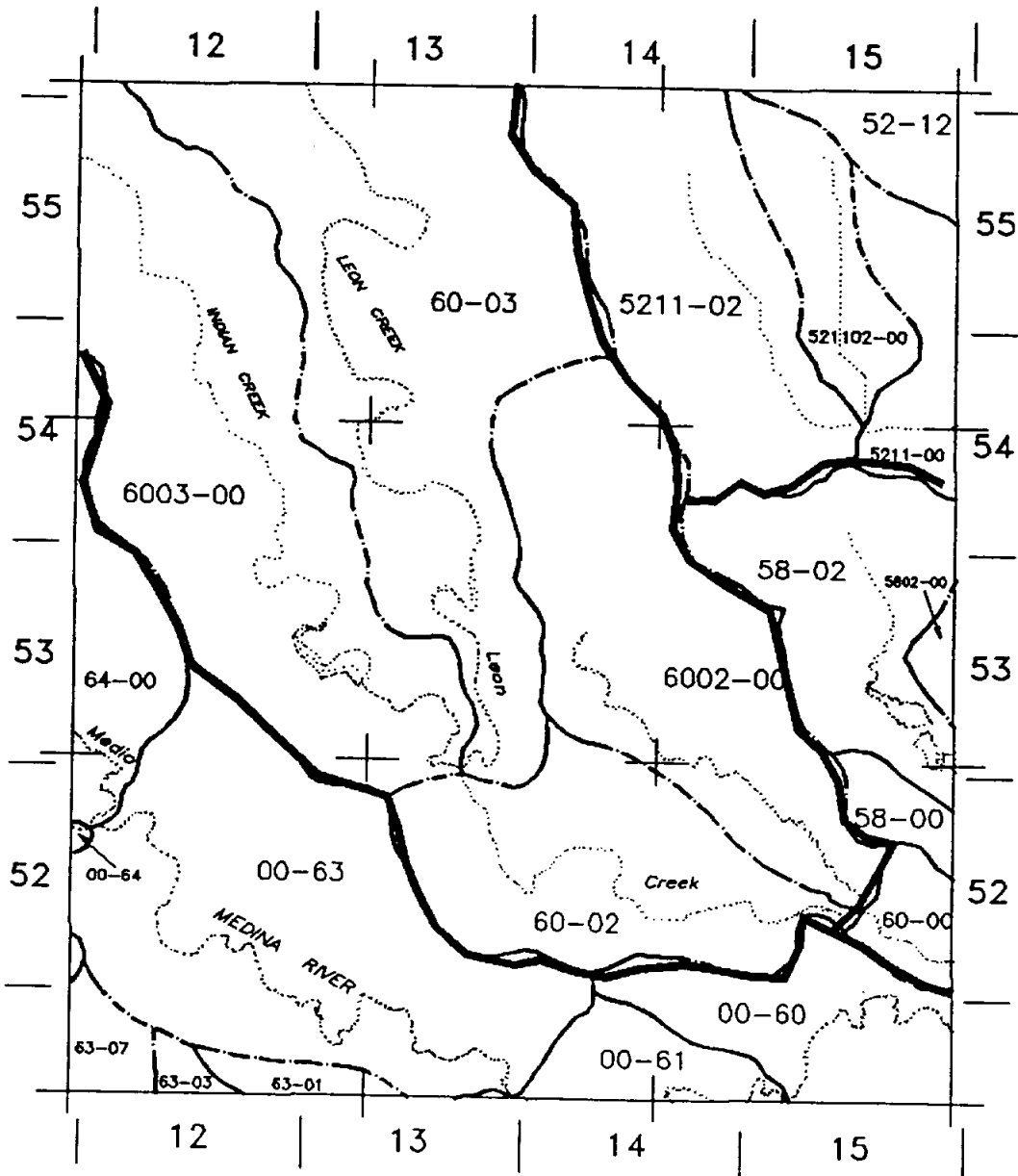
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = C5



TOTAL RESIDENTIAL CONNECTIONS
1976-1988
7.5' Area : C-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5211020000- 0	1,286	2,987	2,999	2,980	2,989	3,255
Central	5211000000- 2	3,398	4,692	5,519	4,752	6,328	5,245
Central	5211000000- 0	1,377	2,833	2,835	2,868	2,874	3,085
Central	5200000000-12	459	1,256	1,255	1,258	1,253	1,289
Central		6,520	11,768	12,608	11,858	13,444	12,874

TOTAL RESIDENTIAL CONNECTIONS
1976-1988
7.5' Area : C-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Leon	6003000000- 0	6,336	3,196	3,418	4,132	6,671	5,036
Lower Leon	6000000000- 3	6,520	2,739	2,747	2,717	2,706	2,579
Lower Leon		12,856	5,935	6,165	6,849	9,377	7,615

Report file: q_sws_R

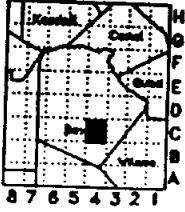
Page 48 1/28/93 7:57:32 pm

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : C-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Medina	6400000000- 0	826	21	22	21	19	26
Medina		826	21	22	21	19	26



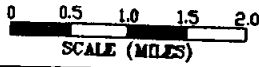
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-45

Map Name Southton

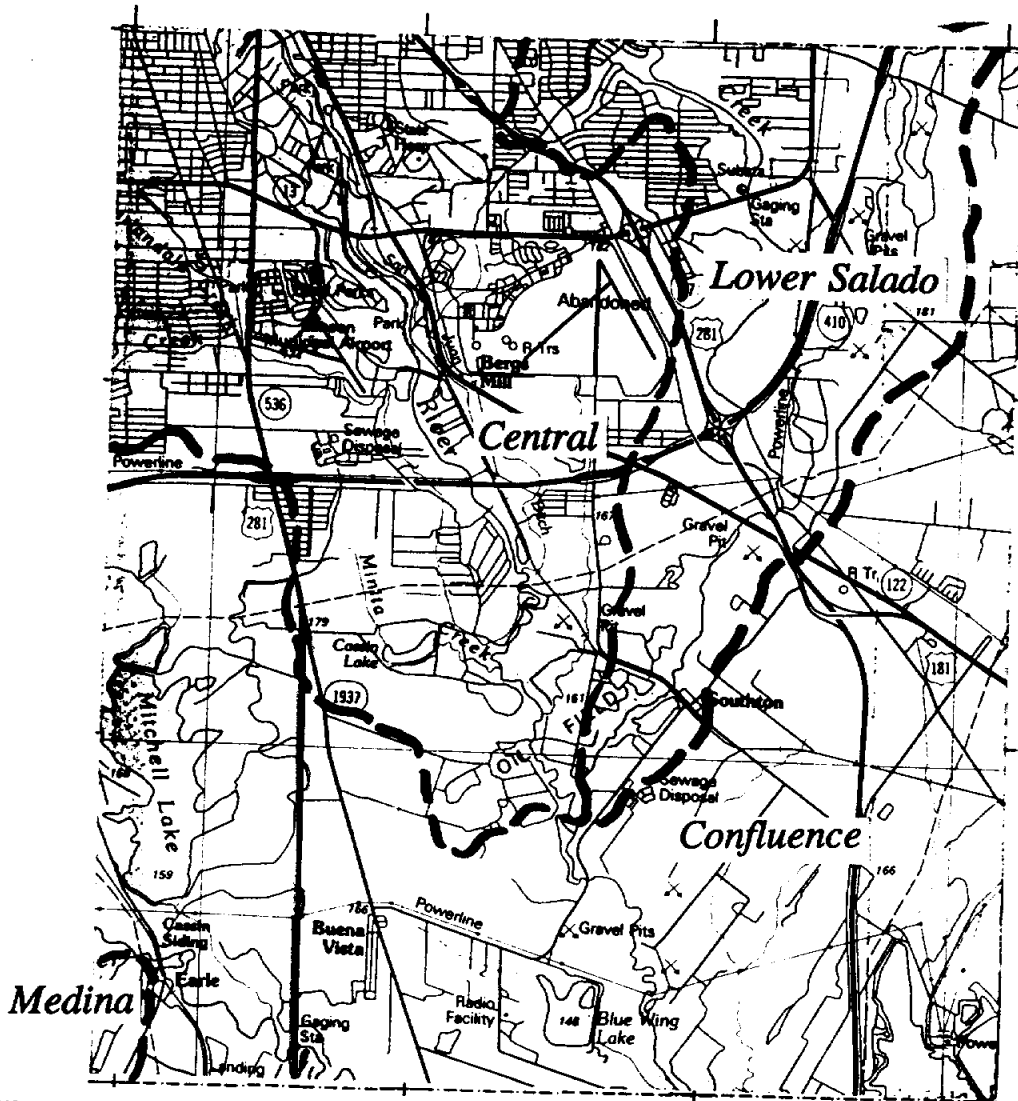
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = C4



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
C - 4	Central	19,927	15,052	15,092	15,585	15,668	19,361
C - 4	Confluence	19,835	1,222	1,244	1,266	1,333	1,722
C - 4	Lower Salado	12,764	4,876	4,989	5,034	5,158	6,497
C - 4		52,525	21,150	21,325	21,885	22,159	27,580

TOTAL RESIDENTIAL CONNECTIONS
1976-1988

7.5' Area : C-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Central	5212000000- 0	643	256	265	272	272	311
Central	5212000000- 0	643	256	265	272	272	311
Central	5211000000- 0	1,653	1,942	1,941	1,949	1,954	2,463
Central	5211000000- 0	1,837	2,018	1,993	2,026	2,031	2,588
Central	5209000000- 0	1,102	99	98	117	115	118
Central	5208000000- 0	643	839	894	966	968	1,201
Central	5208000000- 0	2,204	1,316	1,425	1,470	1,489	1,794
Central	5200000000-12	6,979	7,850	7,792	8,096	8,138	9,992
Central	5200000000-11	735	132	128	124	130	128
Central	5200000000- 9	2,571	340	283	286	290	451
Central	5200000000- 8	184	0	1	1	1	2
Central	5200000000- 6	735	4	7	6	8	2
Central		19,927	15,052	15,092	15,585	15,668	19,361

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

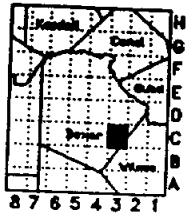
7.5' Area : C-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES	
Confluence	6000000000- 0	184	0	0	0	0		
Confluence	5802000000- 0	92	56	58	57	57	97	
Confluence	5802000000- 0	1,653	550	557	538	536	565	
Confluence	5800000000- 0	2,388	3	4	4	4	5	
Confluence	5700000000- 0	92	1	1	1	1	10	
Confluence	5204000000- 0	2,571	169	170	166	204	401	
Confluence	5203000000- 0	2,204	61	62	60	60	66	
Confluence	5202020000- 0	918	15	14	12	12	17	
Confluence	5202000000- 2	918	27	27	25	27	42	
Confluence	5202000000- 0	735	9	9	9	8	10	
Confluence	5200000000- 4	459	0	0	0	0	0	
Confluence	5200000000- 3	826	23	23	24	24	22	
Confluence	5200000000- 0	92	1	1	1	1	1	
Confluence	5002000000- 0	643	1	1	1	1	1	
Confluence	5000000000- 2	2,388	98	102	104	107	139	
Confluence	4613000000- 0	551	7	7	7	8	11	
Confluence	4611000000- 0	918	12	12	12	12	22	
Confluence	4609000000- 0	551	88	82	129	157	171	
Confluence	0-58	367	21	23	25	24	33	
Confluence	0-57	1,010	70	81	81	80	99	
Confluence	0-55	275	10	10	10	10	10	
Confluence			19,835	1,222	1,244	1,266	1,333	1,722

TOTAL RESIDENTIAL CONNECTIONS
1976-1988

7.5' Area : C-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Lower Salado	5206020000- 0	1,745	42	39	40	39	83
Lower Salado	5206020000- 0	2,112	43	43	40	59	83
Lower Salado	5206000000- 2	4,775	4,630	4,746	4,788	4,894	5,830
Lower Salado	5206000000- 0	4,132	161	161	166	166	501
Lower Salado		12,764	4,876	4,989	5,034	5,158	6,497



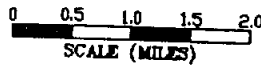
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-46

Map Name Elmendorf

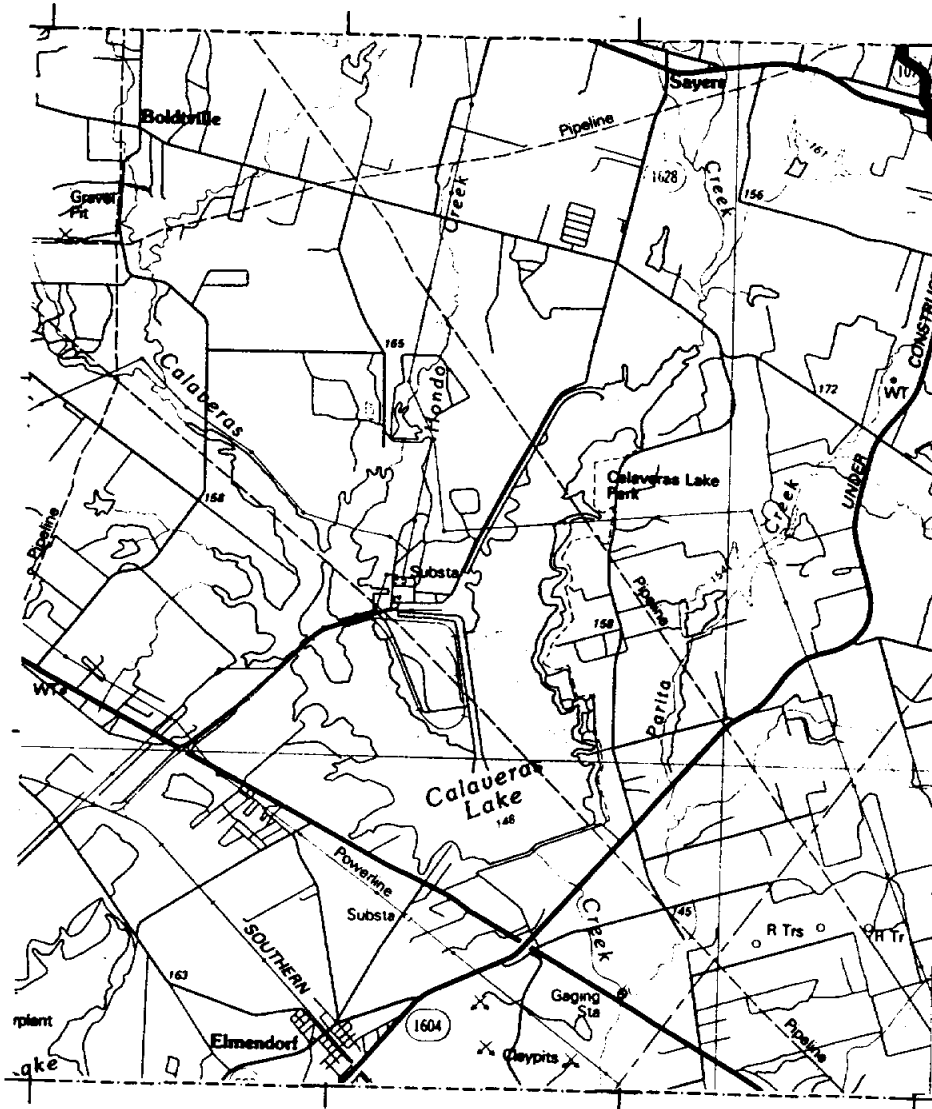
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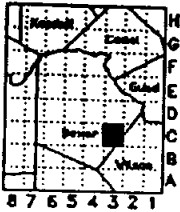
Longitude = 98

7.5' Area = C3



Outside

QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
C - 3	Confluence	40,129	1,397	1,433	1,463	1,690	2,049
C - 3		40,129	1,397	1,433	1,463	1,690	2,049

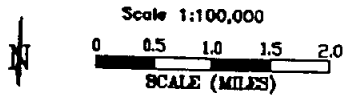


1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-46

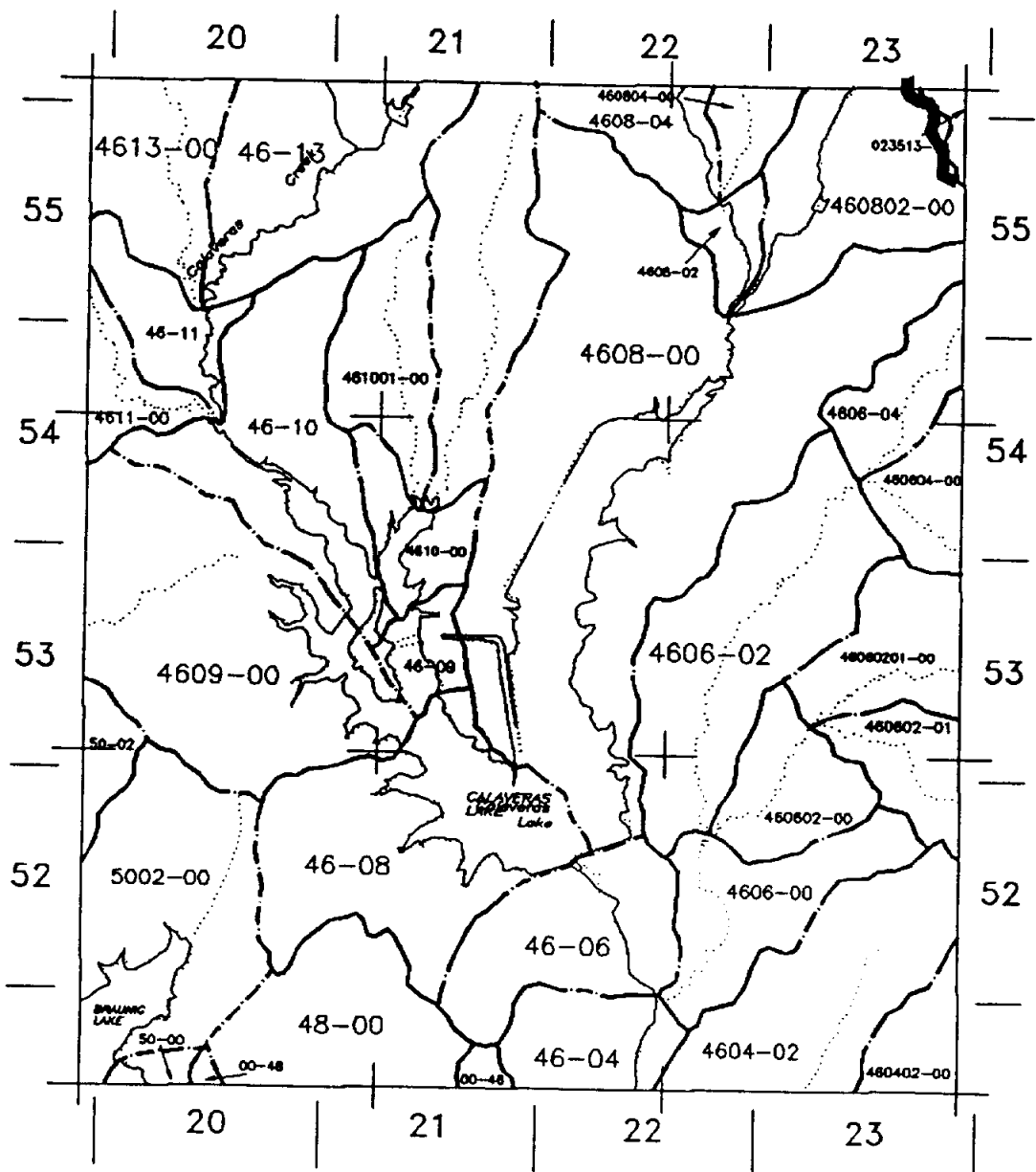
Map Name ELMENDORF



Latitude = 29

Longitude = 98

7.5' Area = C3



TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : C-3

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	5002000000- 0	1,928	41	43	42	41	51
Confluence	5000000000- 2	92	5	5	5	4	7
Confluence	5000000000- 0	92	0	0	0	0	
Confluence	4800000000- 0	1,377	149	152	147	151	231
Confluence	4613000000- 0	643	28	29	30	29	40
Confluence	4611000000- 0	184	3	3	4	3	5
Confluence	4610010000- 0	826	22	23	23	25	36
Confluence	4610000000- 0	2,479	34	36	40	43	74
Confluence	4609000000- 0	3,306	259	257	253	256	292
Confluence	4608040000- 0	184	2	2	3	3	3
Confluence	4608020000- 0	1,286	74	78	85	88	105
Confluence	4608000000- 4	459	16	17	18	19	25
Confluence	4608000000- 2	275	17	17	17	17	20
Confluence	4608000000- 0	7,530	165	179	189	189	321
Confluence	4606040000- 0	735	18	17	17	18	19
Confluence	4606020100- 0	1,102	15	15	19	23	36
Confluence	4606020000- 1	735	3	3	3	3	2
Confluence	4606020000- 0	826	21	21	23	25	35
Confluence	4606000000- 4	551	21	24	24	24	39
Confluence	4606000000- 2	2,479	45	46	44	45	66
Confluence	4606000000- 0	1,286	35	36	37	40	44
Confluence	4604020000- 0	551	0	0	0	0	
Confluence	4604000000- 2	1,561	2	2	2	2	3
Confluence	4604000000- 0	184	0	0	0	0	
Confluence	4600000000-13	1,837	35	36	41	40	77
Confluence	4600000000-11	551	11	11	12	12	18
Confluence	4600000000-10	2,020	49	49	46	49	98
Confluence	4600000000- 9	367	0	0	0	0	0
Confluence	4600000000- 8	2,571	281	285	296	496	330
Confluence	4600000000- 6	1,286	45	46	43	45	72
Confluence	4600000000- 4	735	0	0	0	0	
Confluence	0-46	92	1	1	0	0	
Confluence		40,129	1,397	1,433	1,463	1,690	2,049



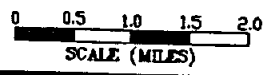
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-47

Map Name La Vernia SW

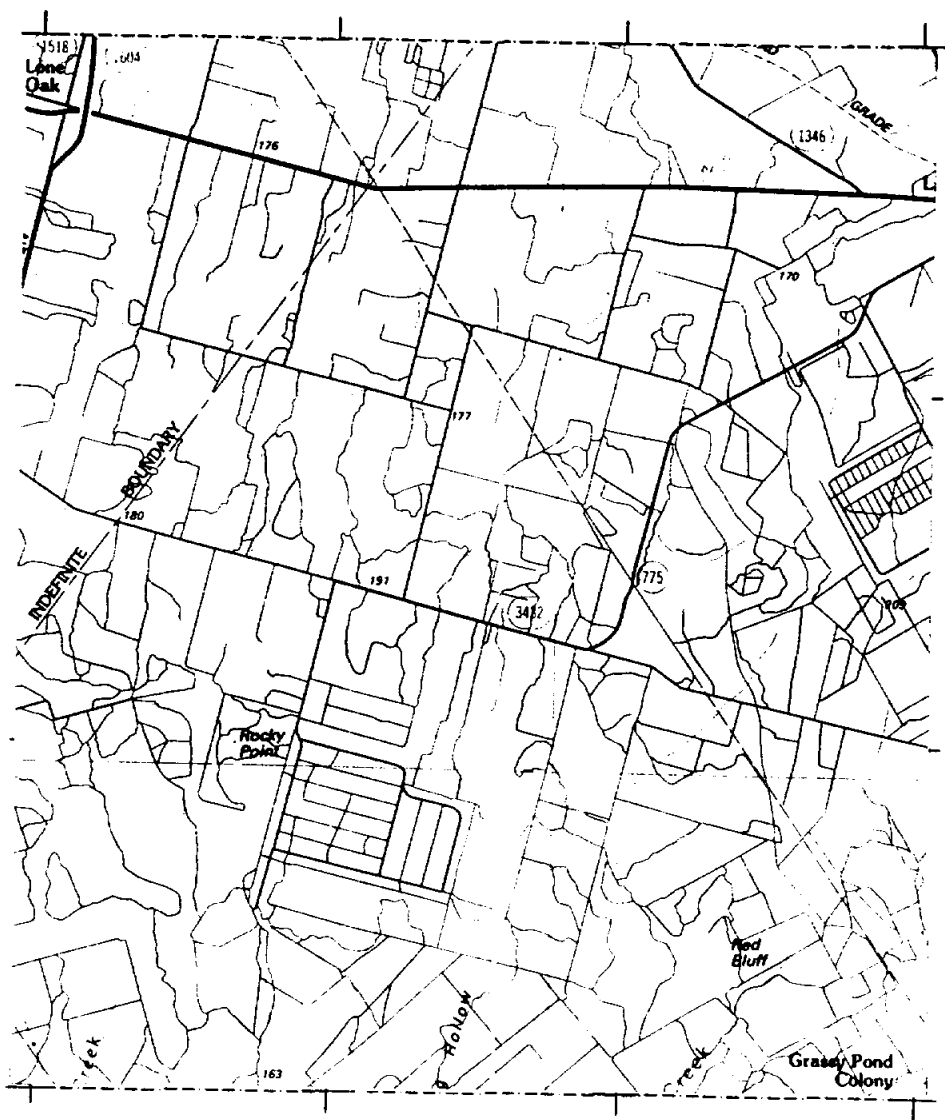
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = C2



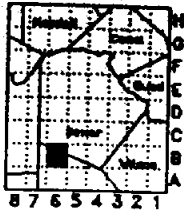
QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
C - 2	Confluence	4,408	24	25	27	28	
C - 2		4,408	24	25	27	28	

TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : C-2

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	4606040000- 0	1,377	17	16	18	18	
Confluence	4606020100- 0	275	1	1	1	1	
Confluence	4606020000- 1	1,377	1	1	1	1	
Confluence	4606000000- 4	735	5	7	7	8	
Confluence	4604020000- 0	459					
Confluence	4602000000- 0	184					
Confluence		4,408	24	25	27	28	



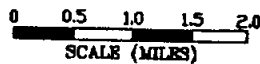
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-51

Map Name SOMERSET

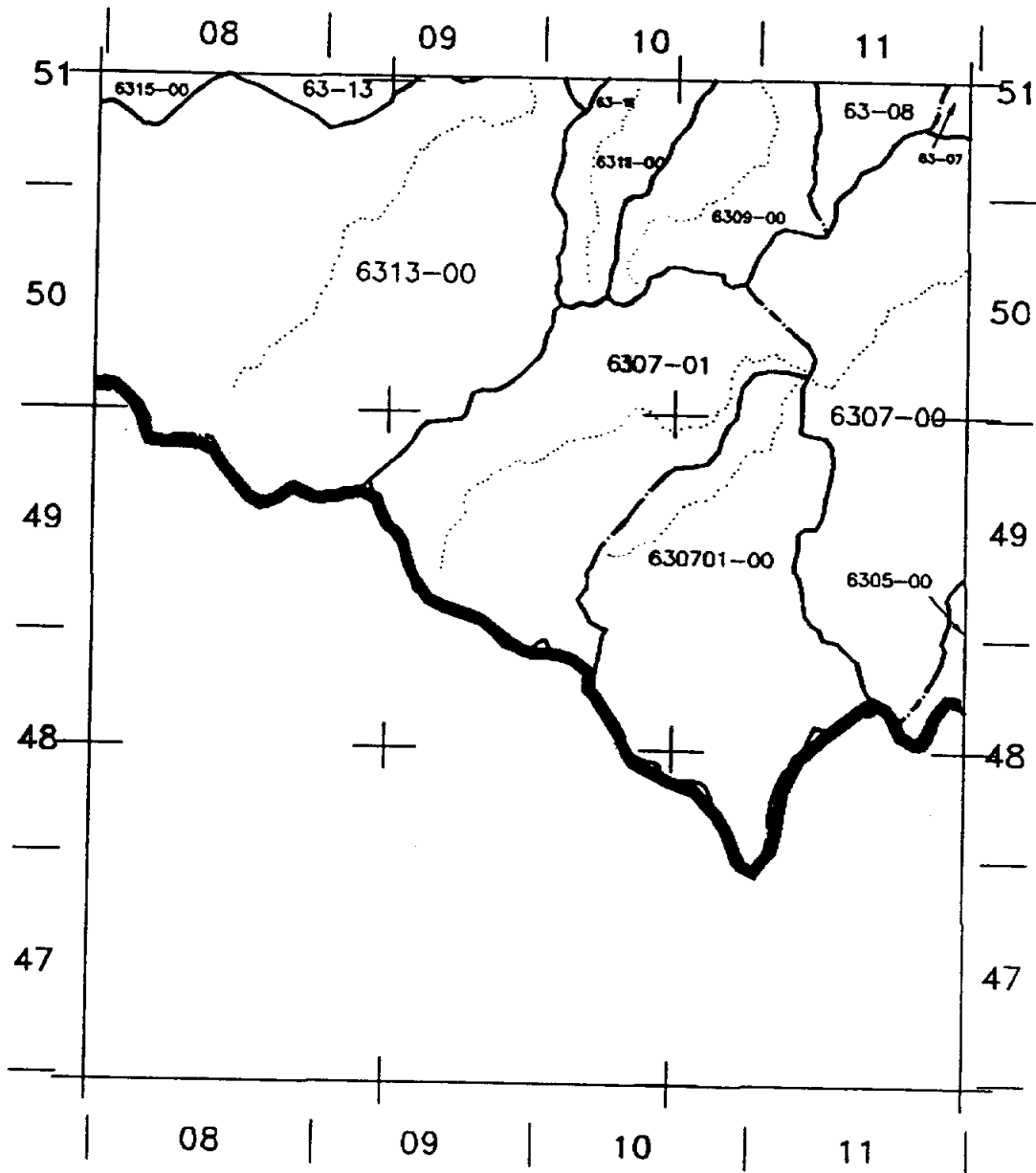
Scale 1:100,000

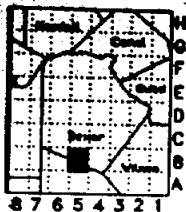


Latitude = 29

Longitude = 98

7.5' Area = B6





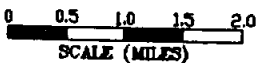
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-52

Map Name Thelma

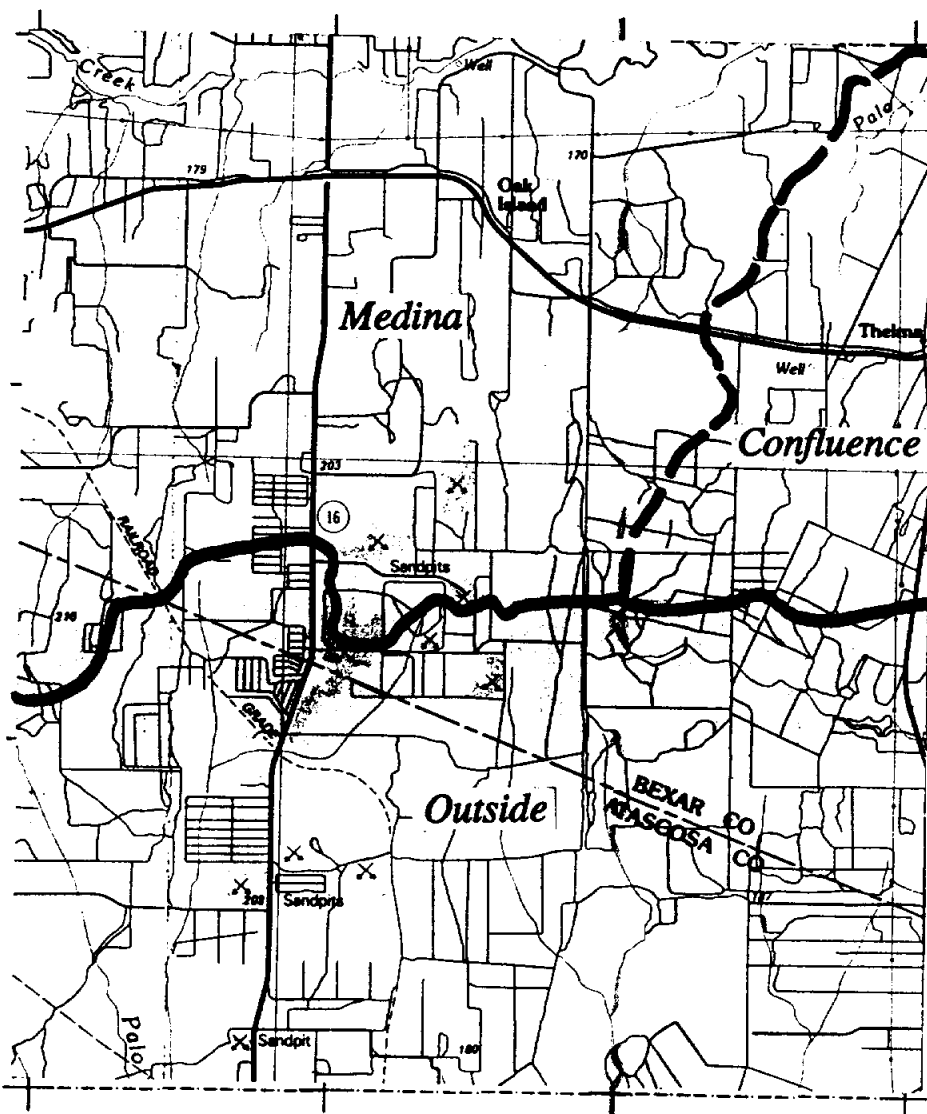
Scale 1:100,000



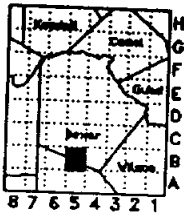
Latitude = 29

Longitude = 98

7.5' Area = B5



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
B - 5	Confluence	4,683	107	109	101	105	173
B - 5		4,683	107	109	101	105	173



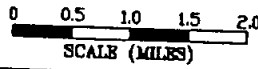
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-52

Map Name THELMA

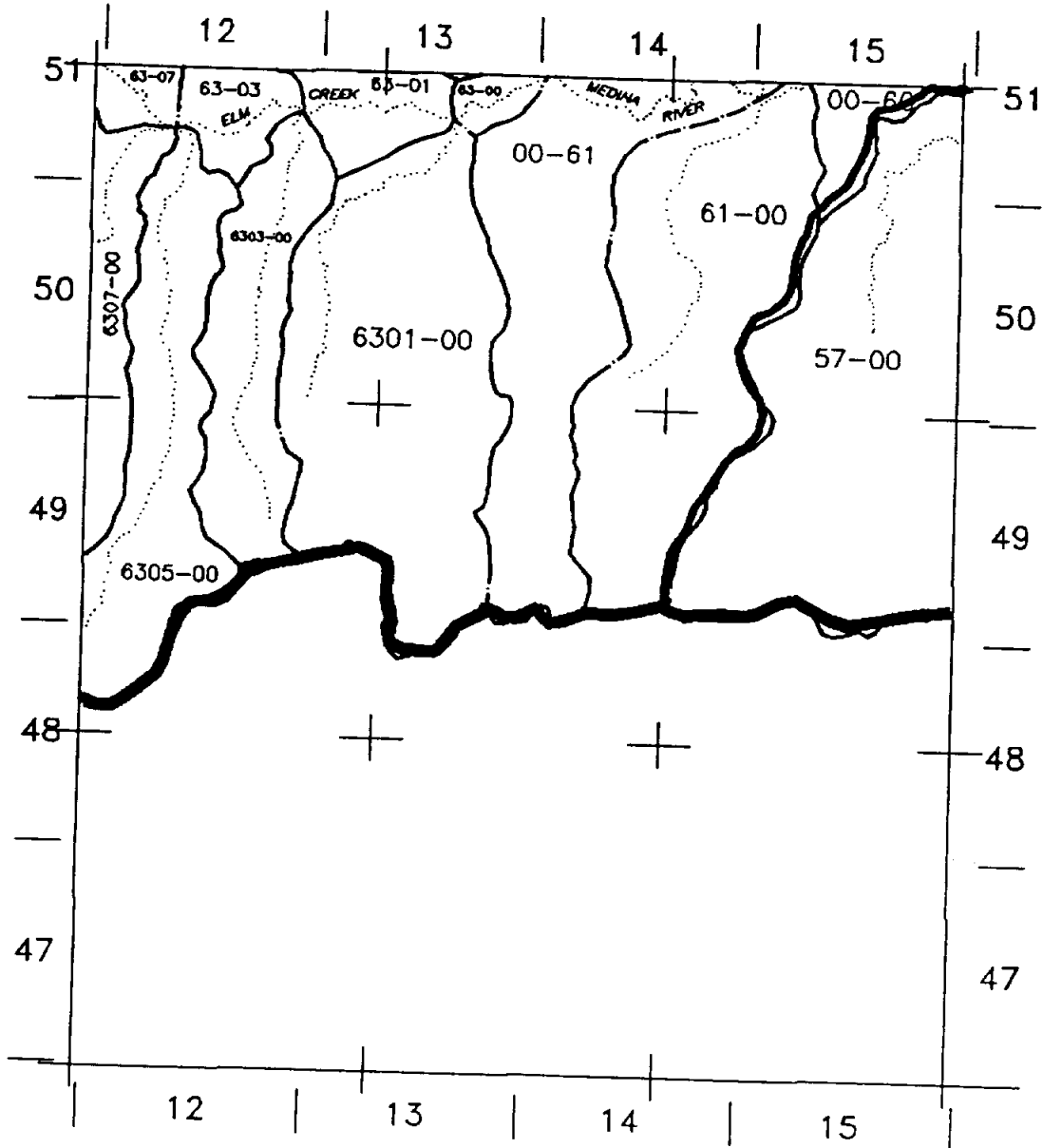
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = B5

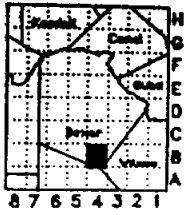


TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : B-5

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	5700000000- 0	4,683	107	109	101	105	173
Confluence		4,683	107	109	101	105	173



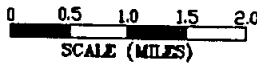
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-53

Map Name Losoya

Scale 1:100,000

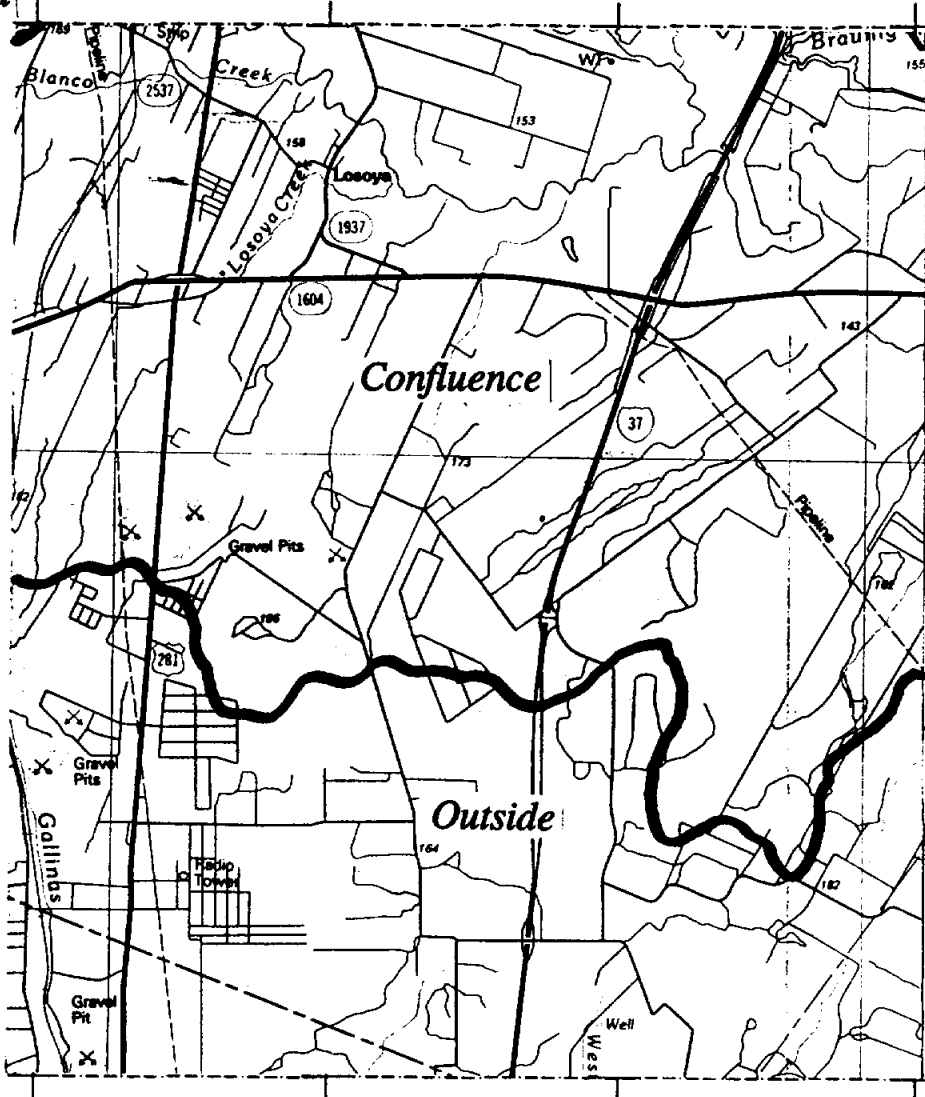


Latitude = 29

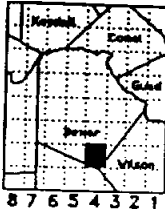
Longitude = 98

7.5' Area = B4

Medina



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
B - 4	Confluence	26,905	648	674	685	728	997
B - 4		26,905	648	674	685	728	997



H
G
F
E
D
C
B
A

1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-53

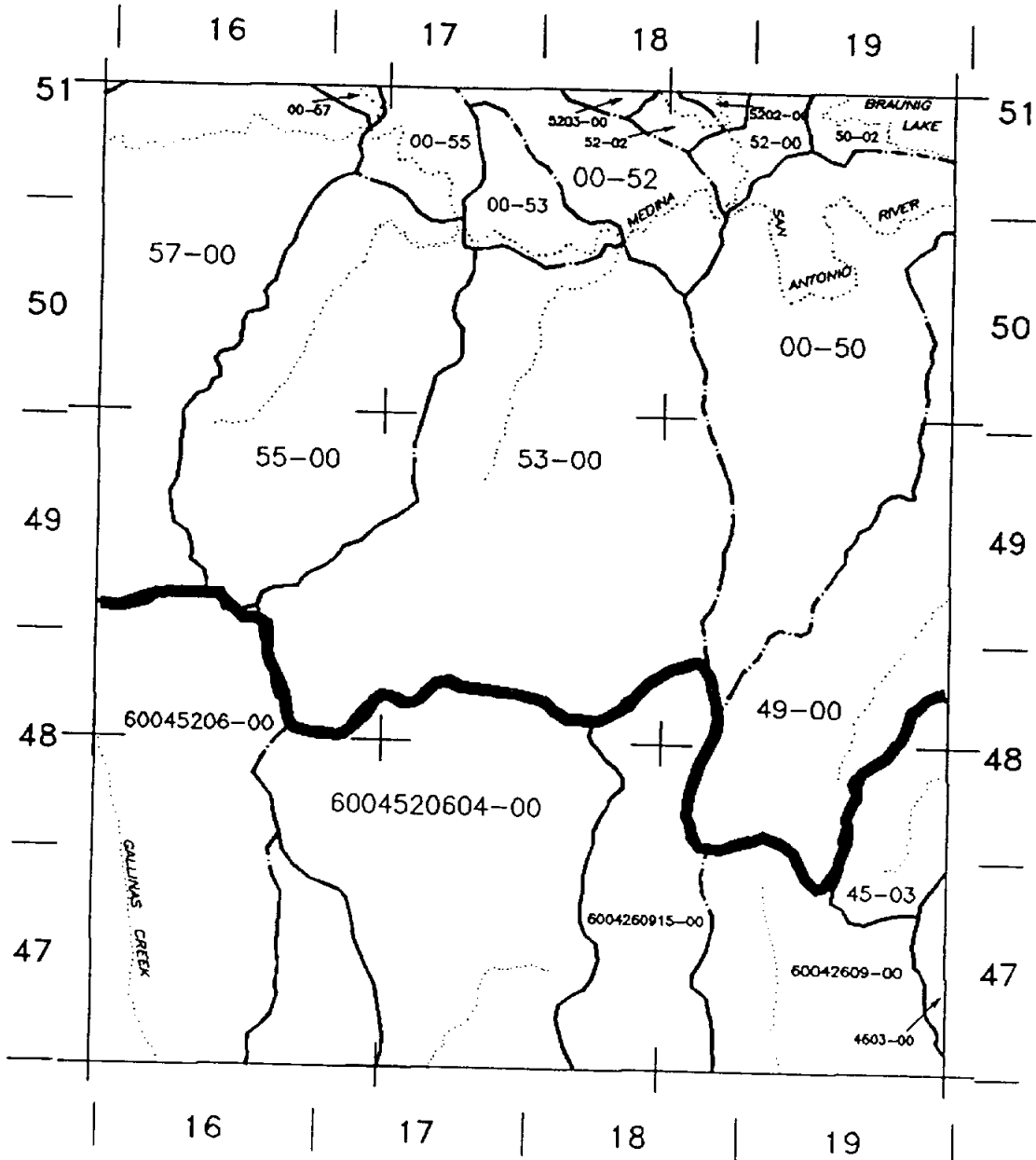
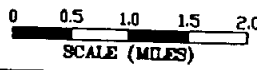
Map Name LOSoya

Latitude = 29

Longitude = 98

7.5' Area = B4

Scale 1:100,000

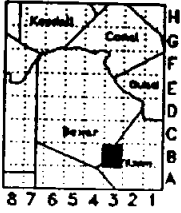


TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : B-4

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	5700000000- 0	3,673	137	142	143	147	228
Confluence	5500000000- 0	3,765	242	248	245	250	285
Confluence	5300000000- 0	7,530	127	136	135	163	251
Confluence	5203000000- 0	92	0	0	1	1	
Confluence	5202000000- 0	92	0	0	0	0	
Confluence	5200000000- 2	275	8	10	10	10	16
Confluence	5200000000- 0	367	2	1	2	2	3
Confluence	5000000000- 2	735	12	12	13	13	17
Confluence	4900000000- 0	3,489	19	24	25	27	33
Confluence	0-57	92	0	0	0	0	
Confluence	0-55	551	32	36	37	37	46
Confluence	0-53	735	7	4	5	5	5
Confluence	0-52	1,194	9	10	12	13	12
Confluence	0-50	4,316	53	51	57	60	101
Confluence		26,905	648	674	685	728	997



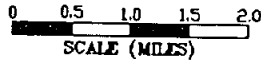
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-54

Map Name Saspamco

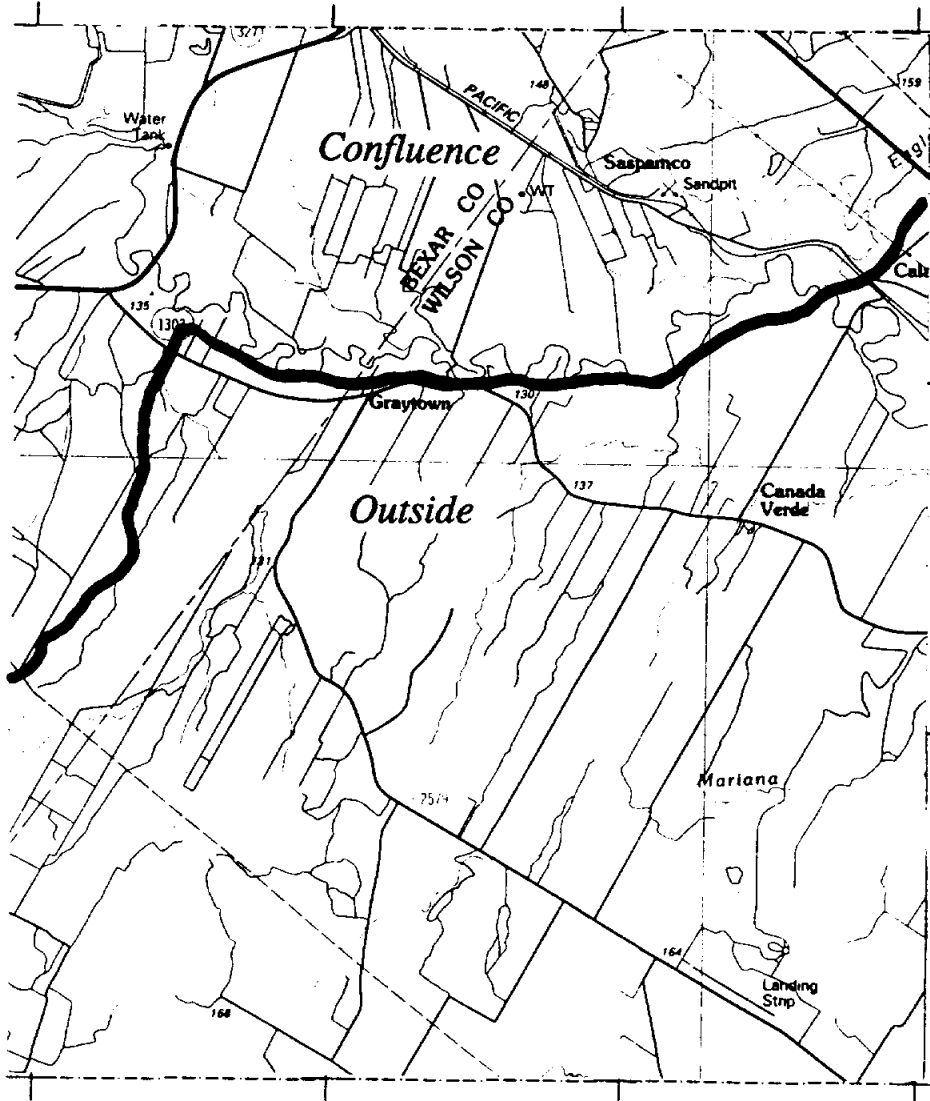
Scale 1:100,000



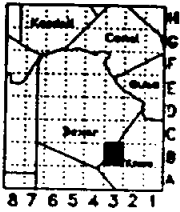
Latitude = 29

Longitude = 98

7.5' Area = B3



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
B - 3	Confluence	13,774	87	88	91	81	121
B - 3		13,774	87	88	91	81	121



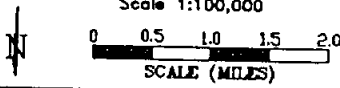
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-54

Map Name SASPAMCO

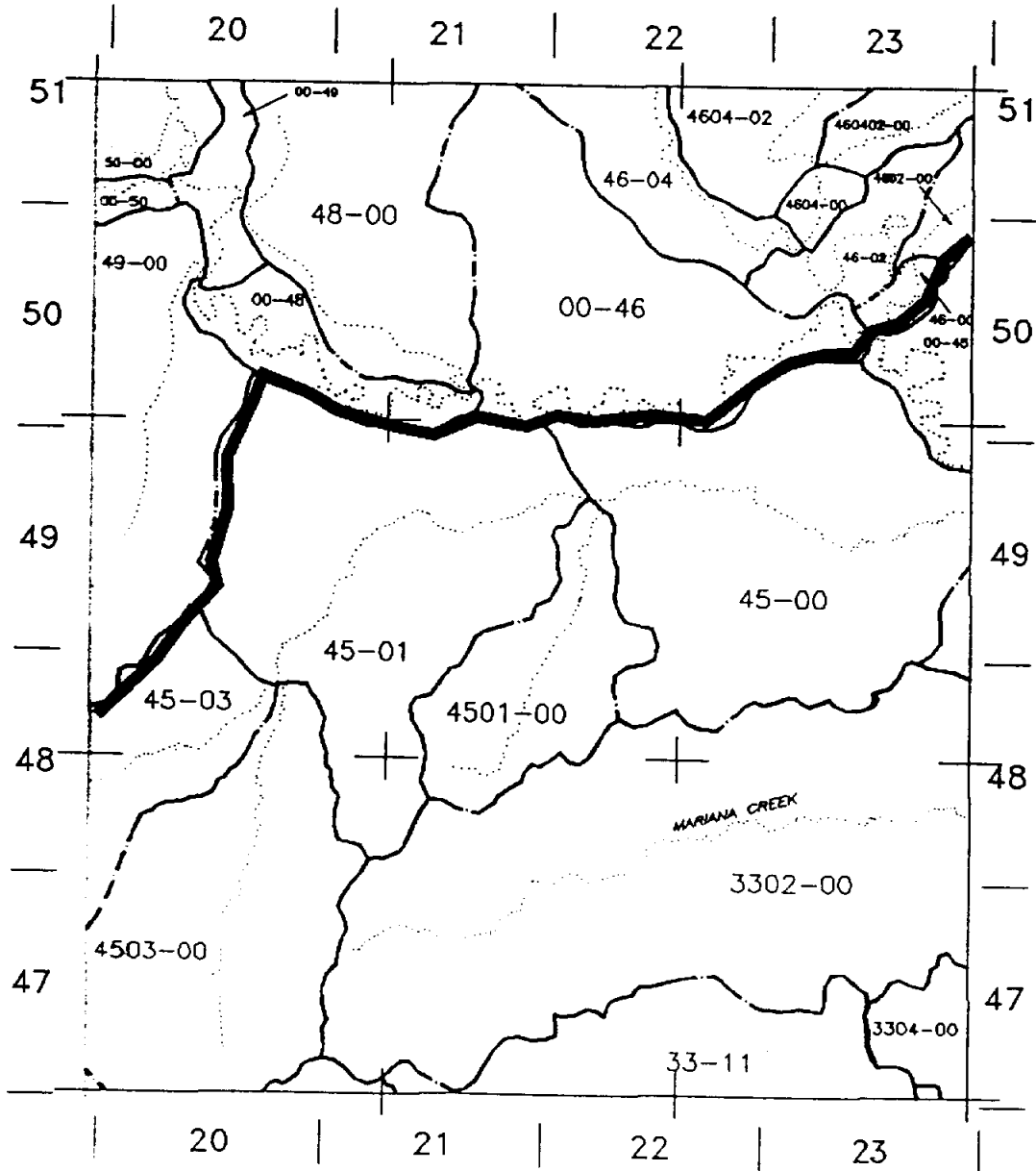
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = B3

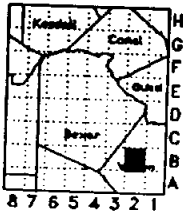


TOTAL RESIDENTIAL CONNECTIONS

1976-1988

7.5' Area : B-3

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	5000000000- 0	367	0	0	0	0	
Confluence	4900000000- 0	1,837	8	10	10	10	13
Confluence	4800000000- 0	2,663	40	39	43	39	57
Confluence	4604020000- 0	459					
Confluence	4604000000- 0	918	0	0	0	0	
Confluence	4602000000- 0	367					
Confluence	4600000000- 4	1,102	0	0	0	0	0
Confluence	4600000000- 0	918					
Confluence	0-50	92	0	0	0	0	
Confluence	0-48	1,377	14	14	13	13	14
Confluence	0-46	3,673	25	25	25	19	37
Confluence		13,774	87	88	91	81	121



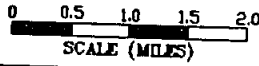
1	2	3
4	5	6
7	8	9

7.5 Minute Area

Water Well ID 68-55

Map Name Floresville

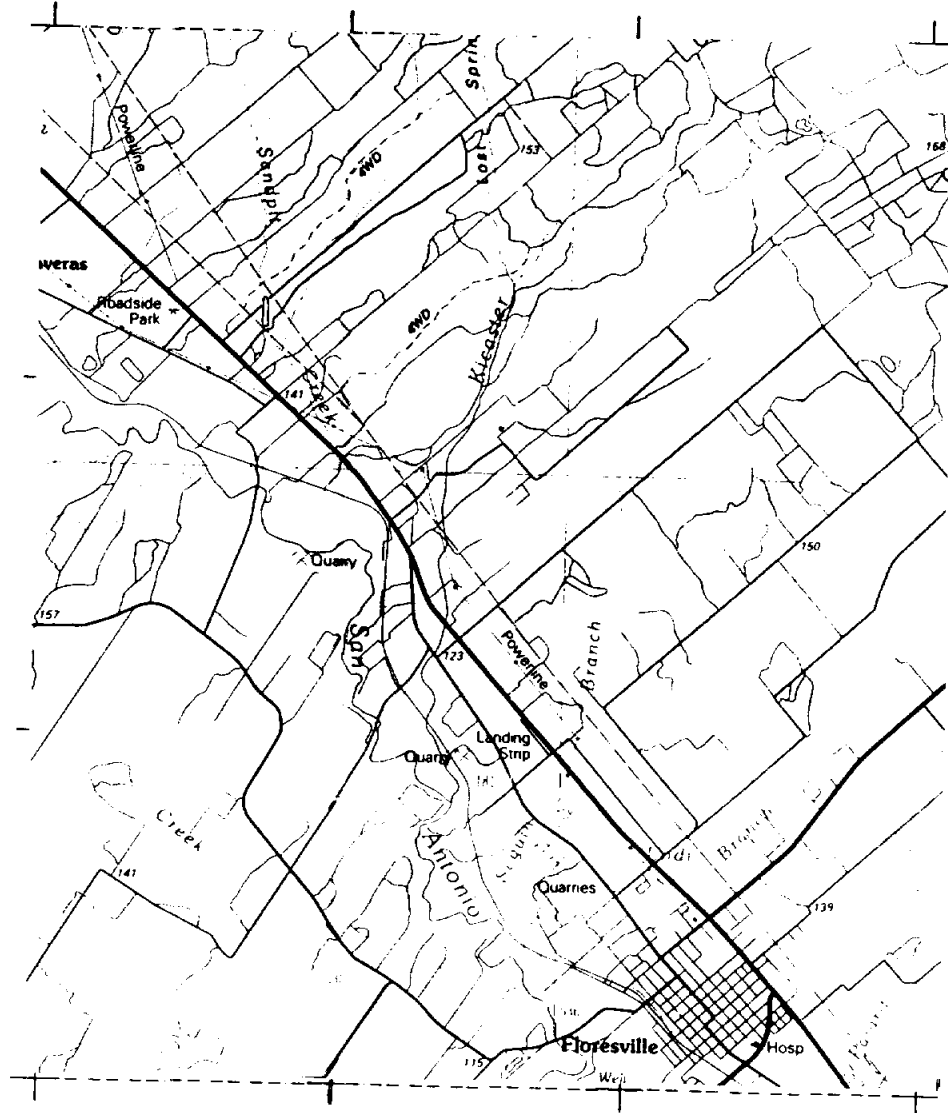
Scale 1:100,000



Latitude = 29

Longitude = 98

7.5' Area = B2



QUAD	Watershed	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
B - 2	Confluence	459					
B - 2		459					

TOTAL RESIDENTIAL CONNECTIONS
1976-1988
7.5' Area : B-2

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	4602000000- 0	459					
Confluence		459					

TOTAL RESIDENTIAL CONNECTIONS
1976-1988
7.5' Area : -

Watershed	Stream Segment	Acres	1976 RES	1977 RES	1979 RES	1980 RES	1988 RES
Confluence	4606000000- 2	92	2	2	2	2	
Confluence		92	2	2	2	2	