

APPENDIX A

Figures

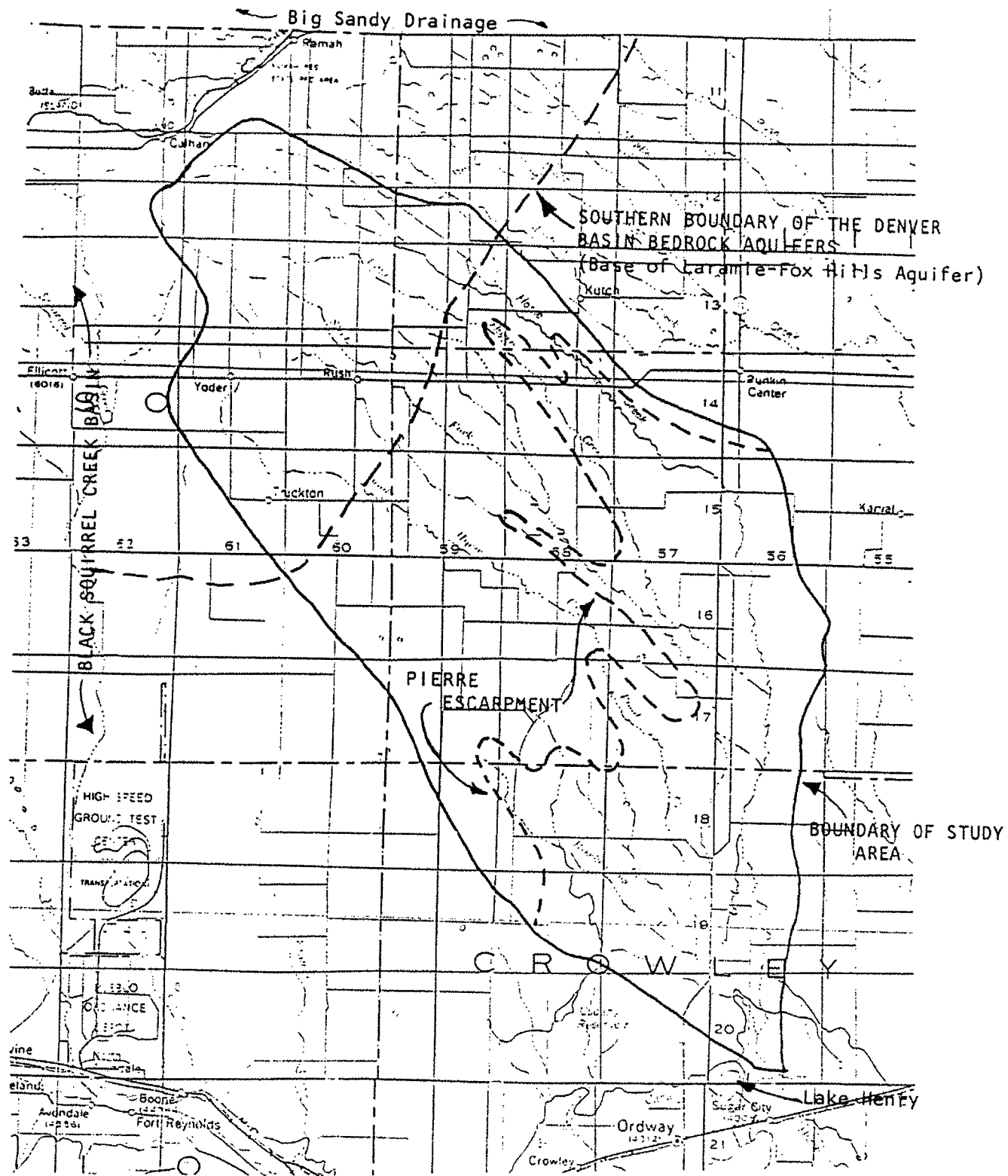
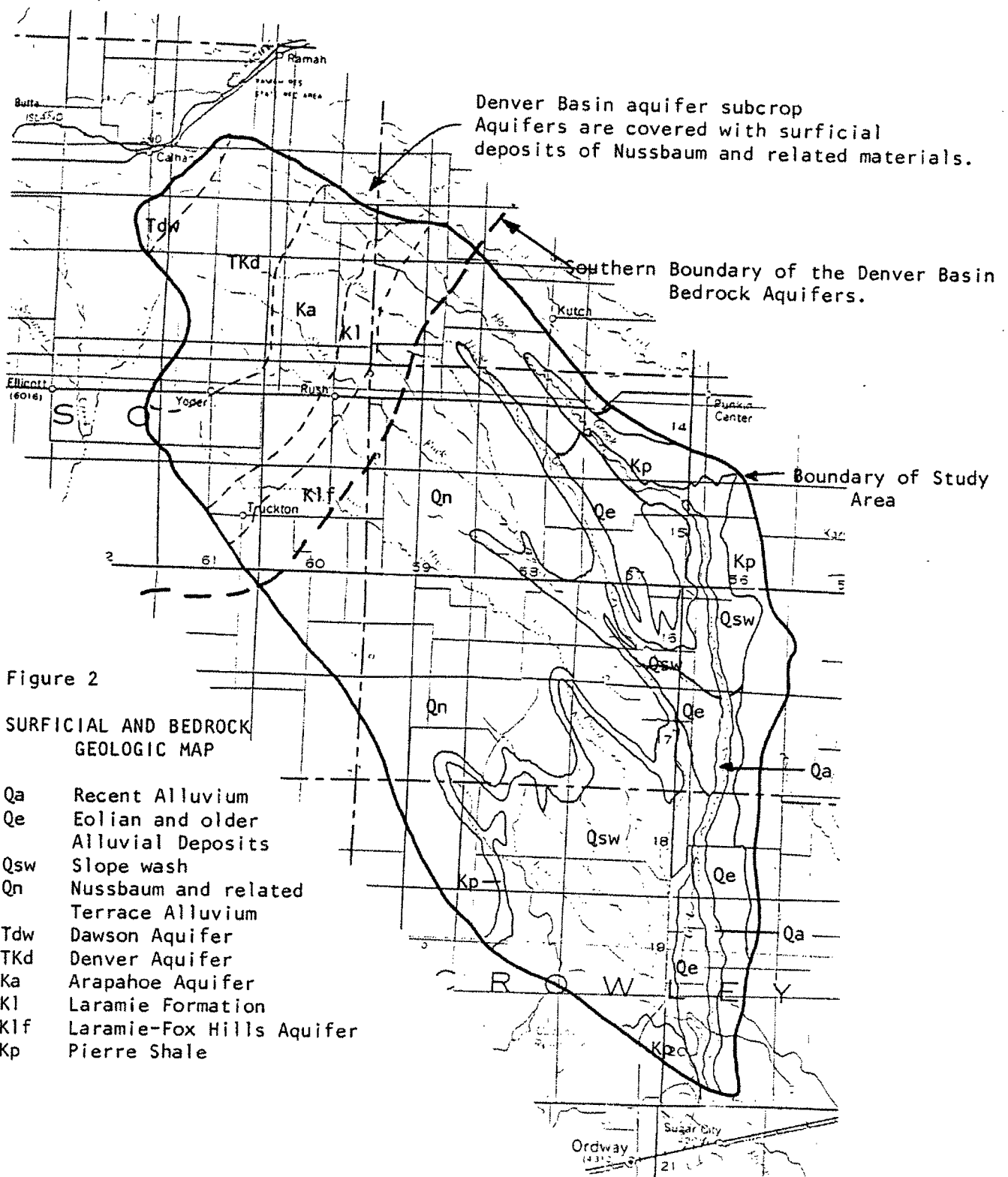
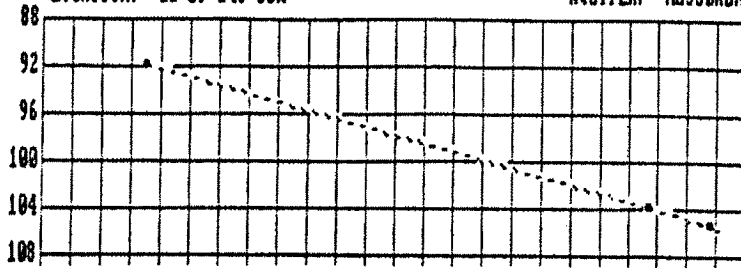


Figure 1
 Location Map of Major Geologic Features in the
 Horse Creek Basin



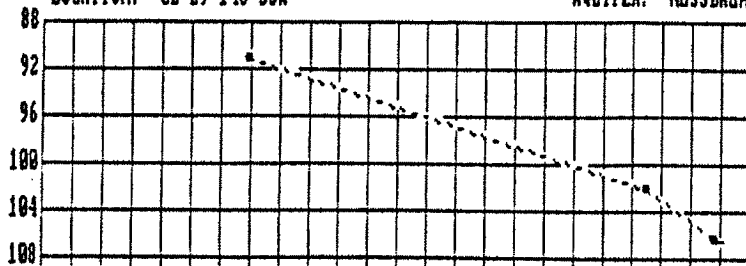
After Sharps (1976) and Scott, et. al. (1978)

LOCATION: BB 29 14S 58W AQUIFER: NUSSBAUM



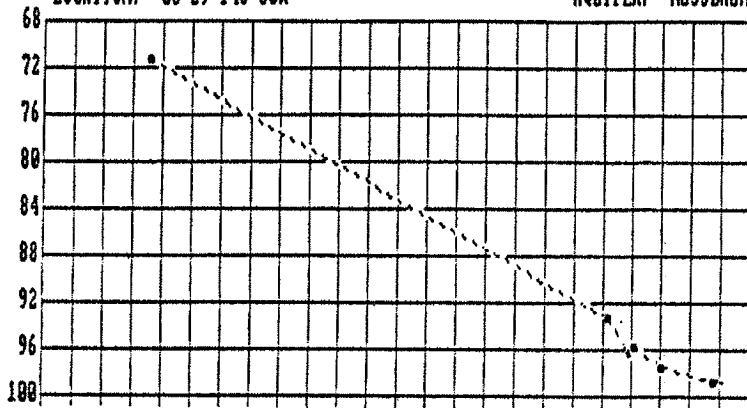
PREISSER #11 (PERMIT 9264-F)

LOCATION: CB 29 14S 58W AQUIFER: NUSSBAUM



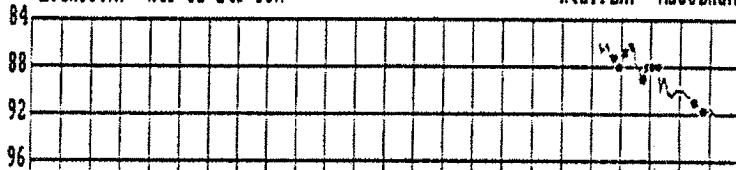
TRAVELERS #2 (PERMIT 9196-F)

LOCATION: CC 29 14S 58W AQUIFER: NUSSBAUM



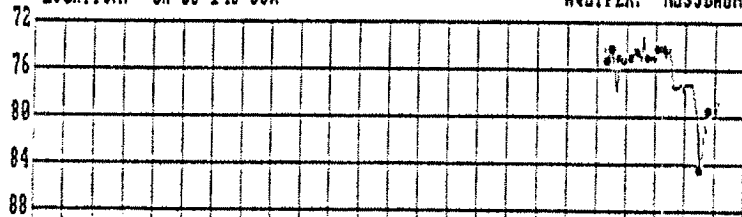
WELL #5

LOCATION: ACD 32 14S 58W AQUIFER: NUSSBAUM



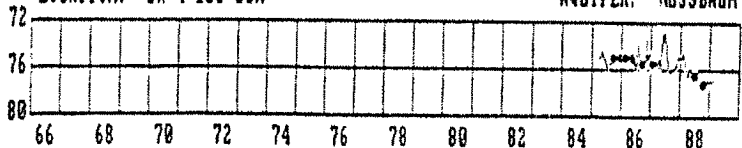
WELL #4

LOCATION: CA 33 14S 58W AQUIFER: NUSSBAUM



WELL #2

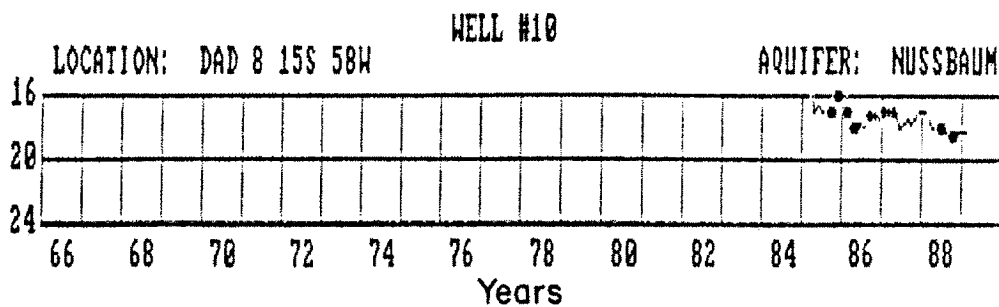
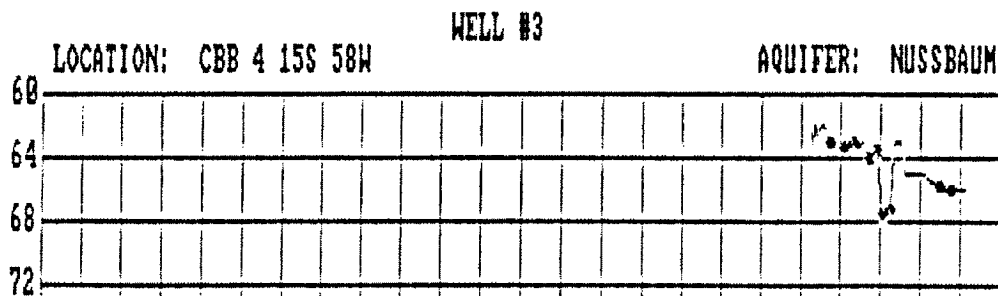
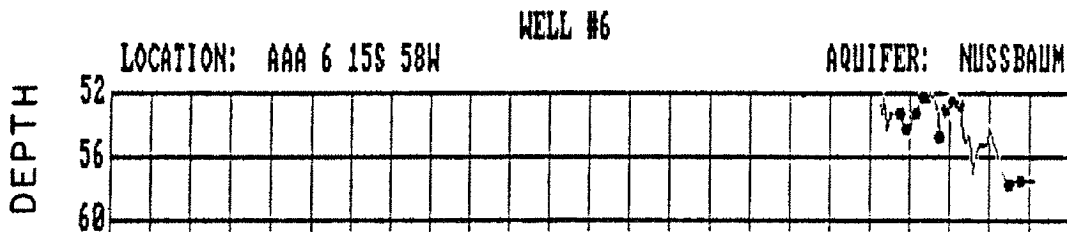
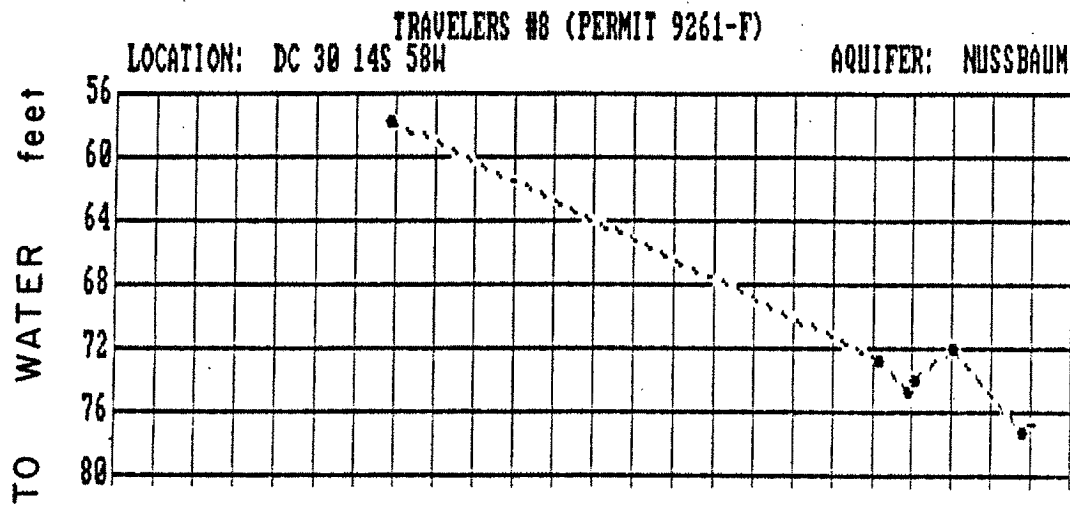
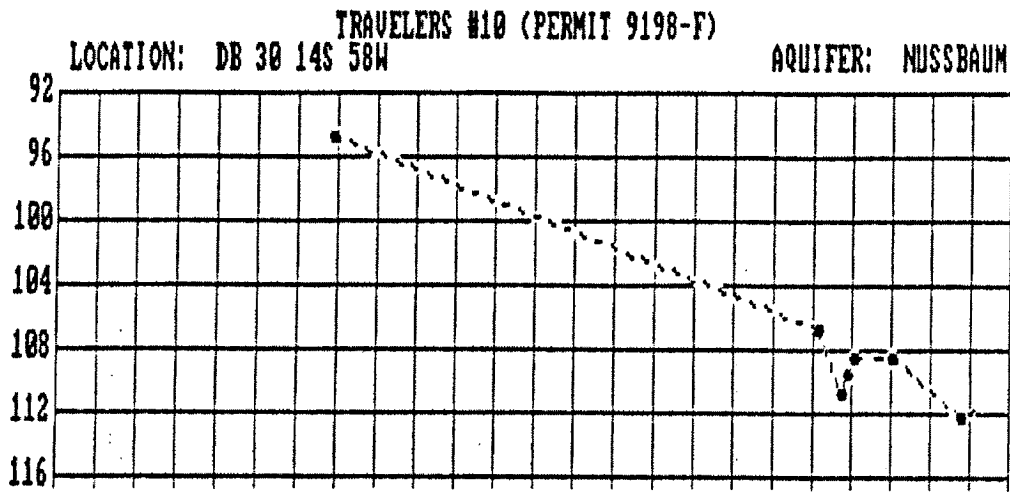
LOCATION: DA 4 15S 58W AQUIFER: NUSSBAUM



DEPTH TO WATER feet

Years

Figure 3A



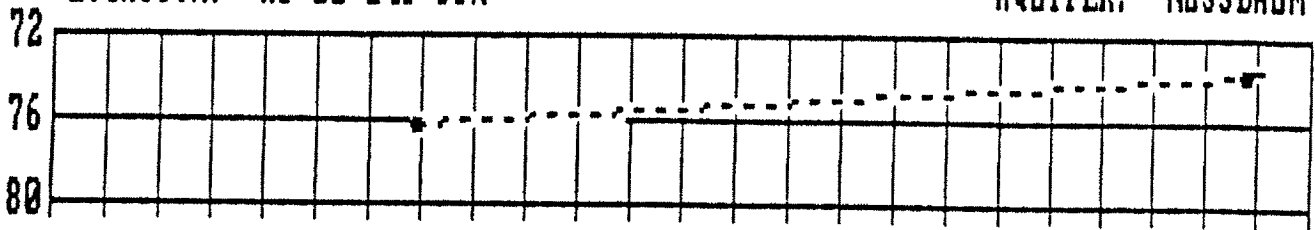
Years

Figure 3B
A-4

PREISSER #13 (PERMIT 9201-F)

LOCATION: AD 22 14S 58W

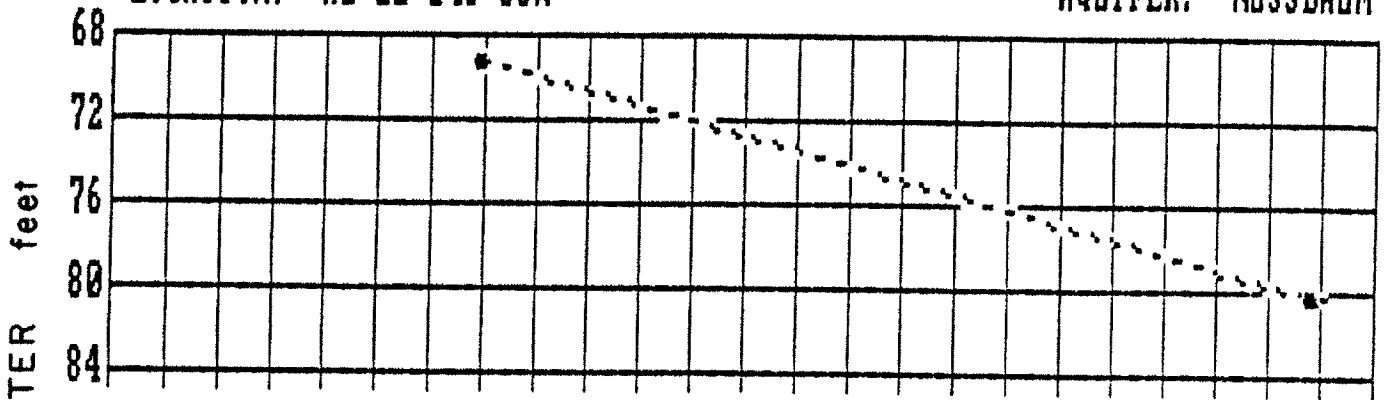
AQUIFER: NUSSBAUM



PREISSER #12 (PERMIT 9202-F)

LOCATION: AB 22 14S 58W

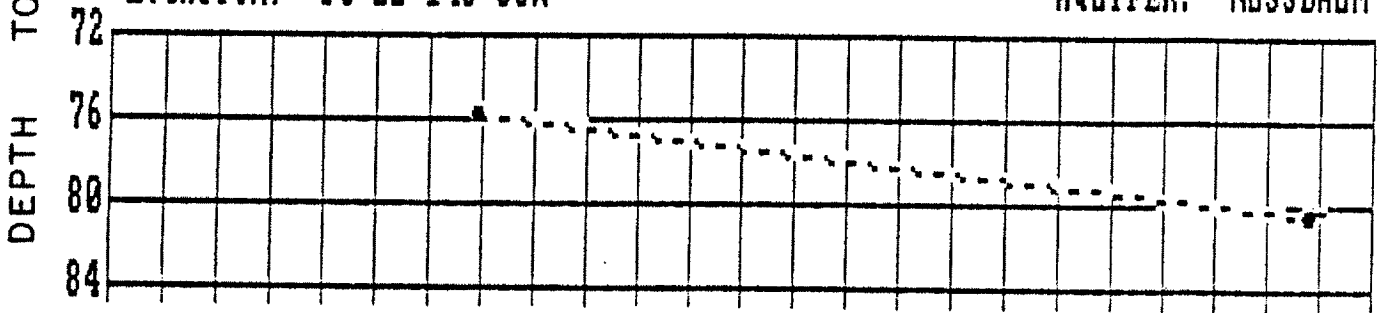
AQUIFER: NUSSBAUM



PREISSER #15 (PERMIT 9266-F)

LOCATION: DC 22 14S 58W

AQUIFER: NUSSBAUM



PREISSER #14 (PERMIT 9265-F)

LOCATION: DD 22 14S 58W

AQUIFER: NUSSBAUM

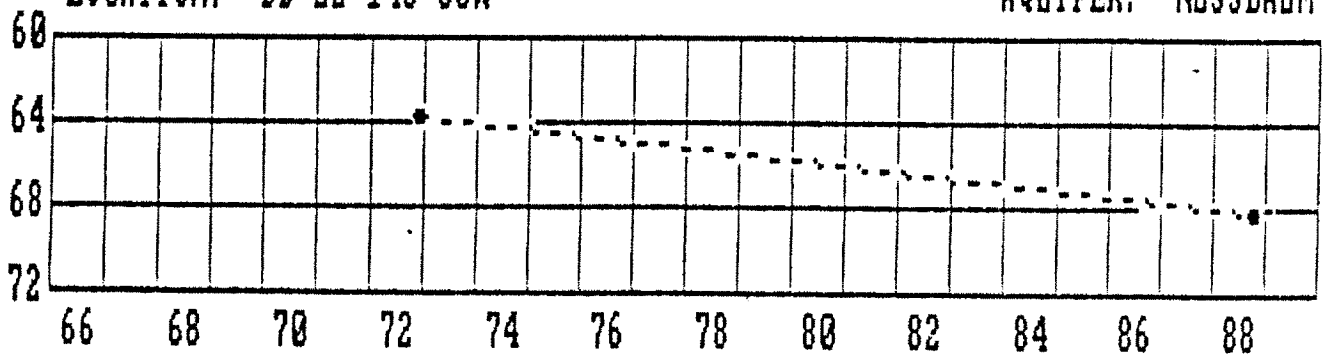


Figure 3C

WELL #9

LOCATION: DB 34 14S 59W

AQUIFER: NUSSBAUM

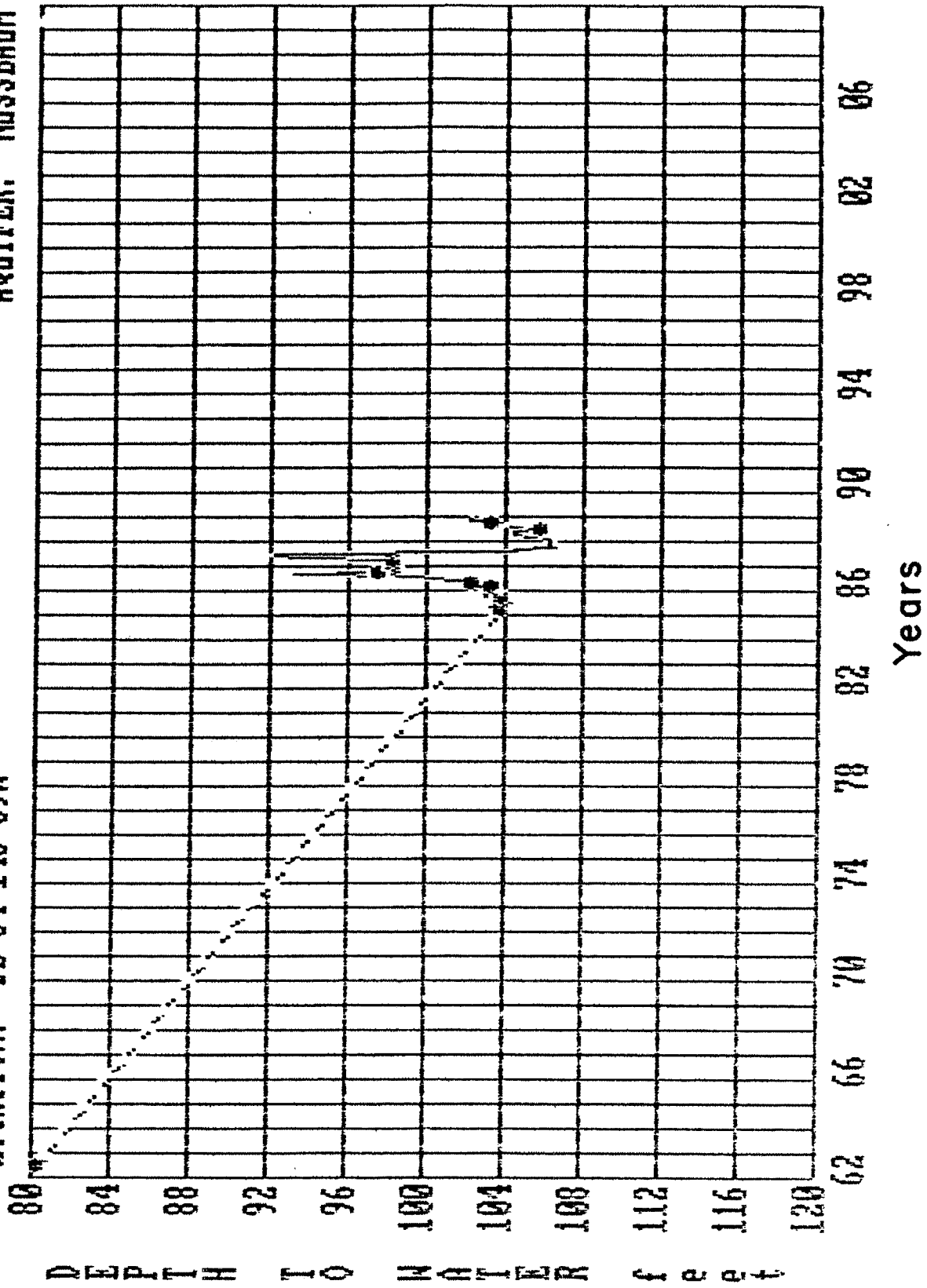


Figure 3D

REID #1 (PERMIT 13108-F)

LOCATION: AB 1 17S 57W

AQUIFER: NUSSBAUM

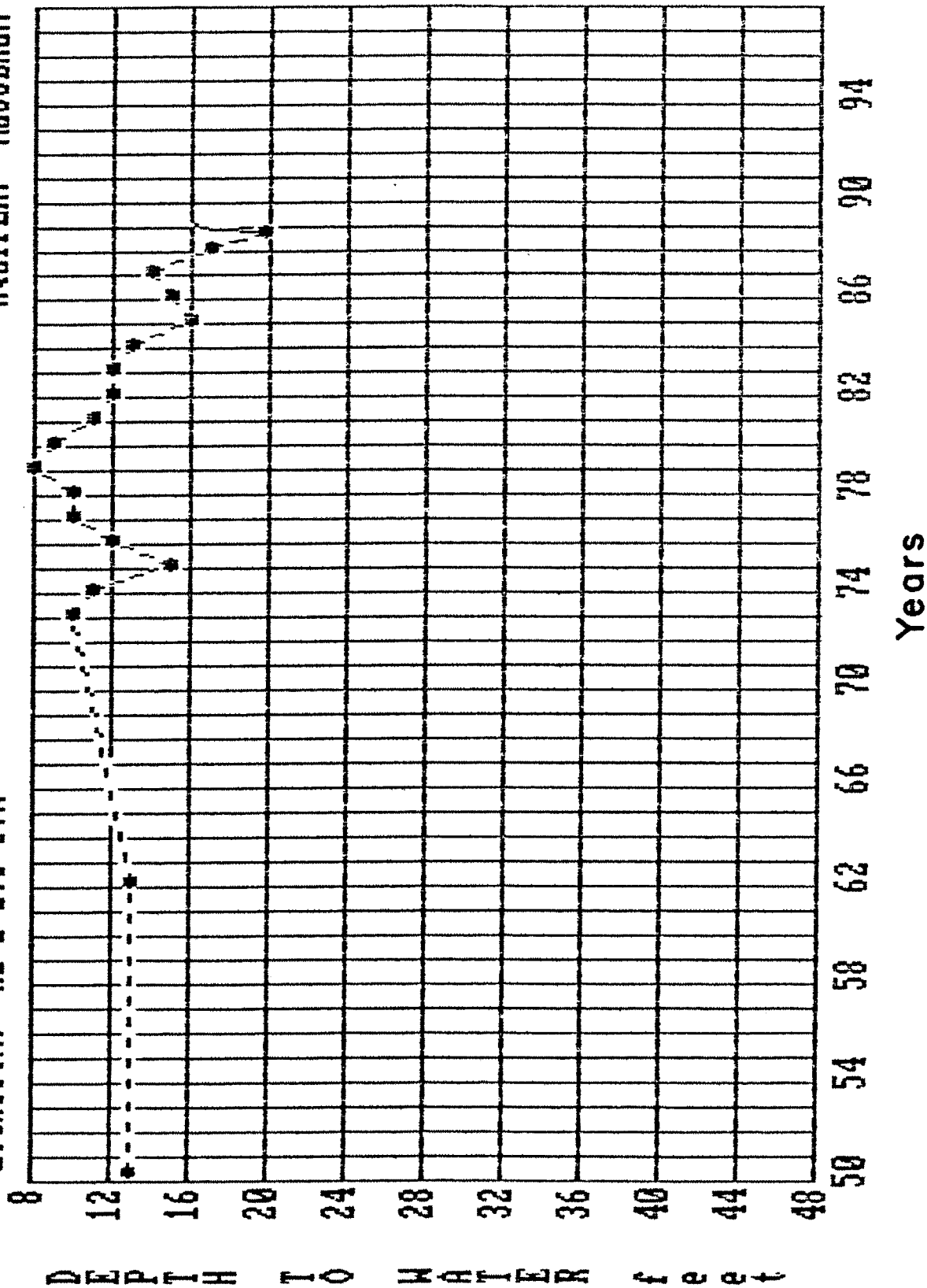


Figure 3A
Aa7

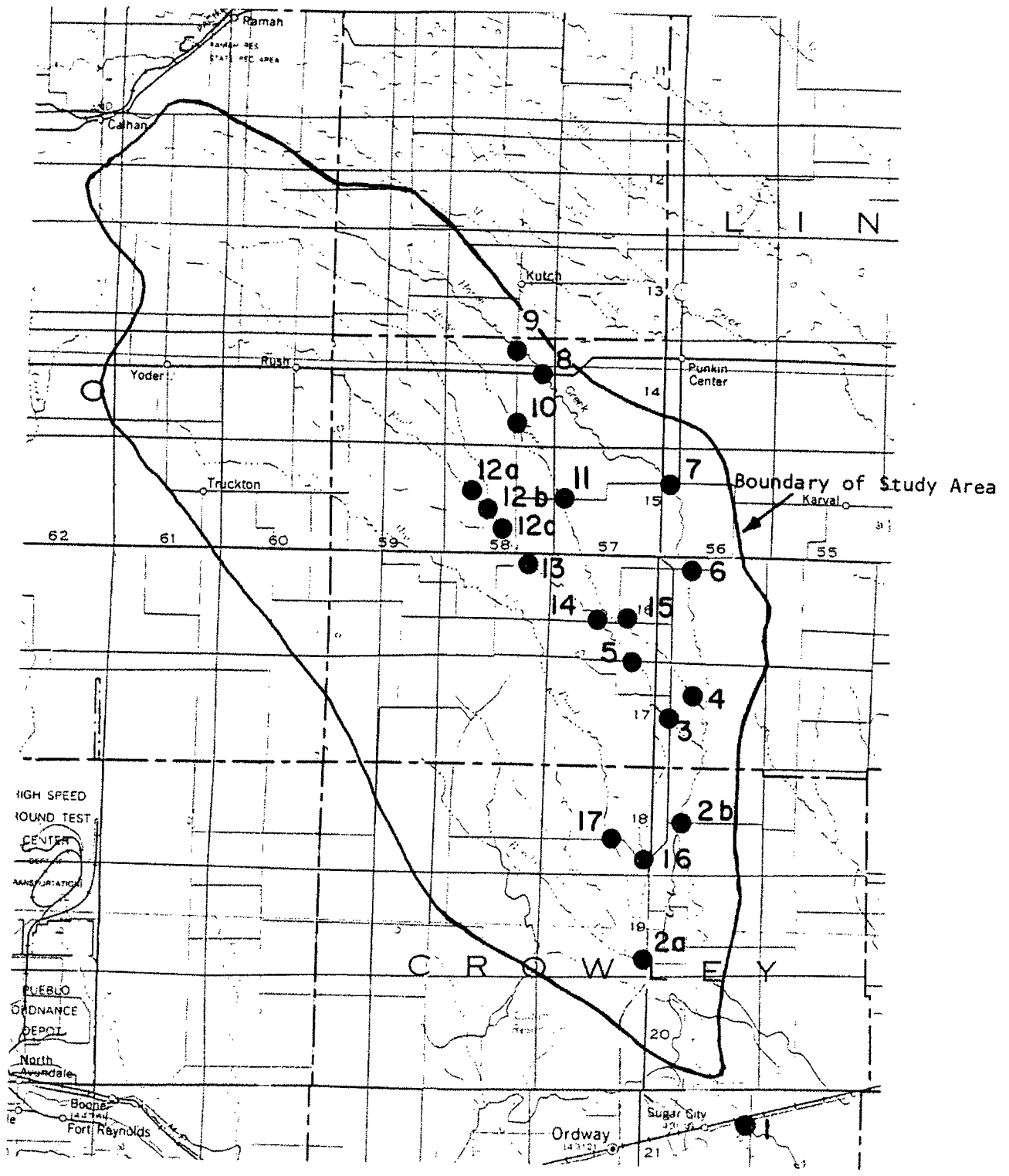


Figure 4

Location Map of Selected Observation Points of Stream Flows

- 5 ● Measured Sections and/or Flumes

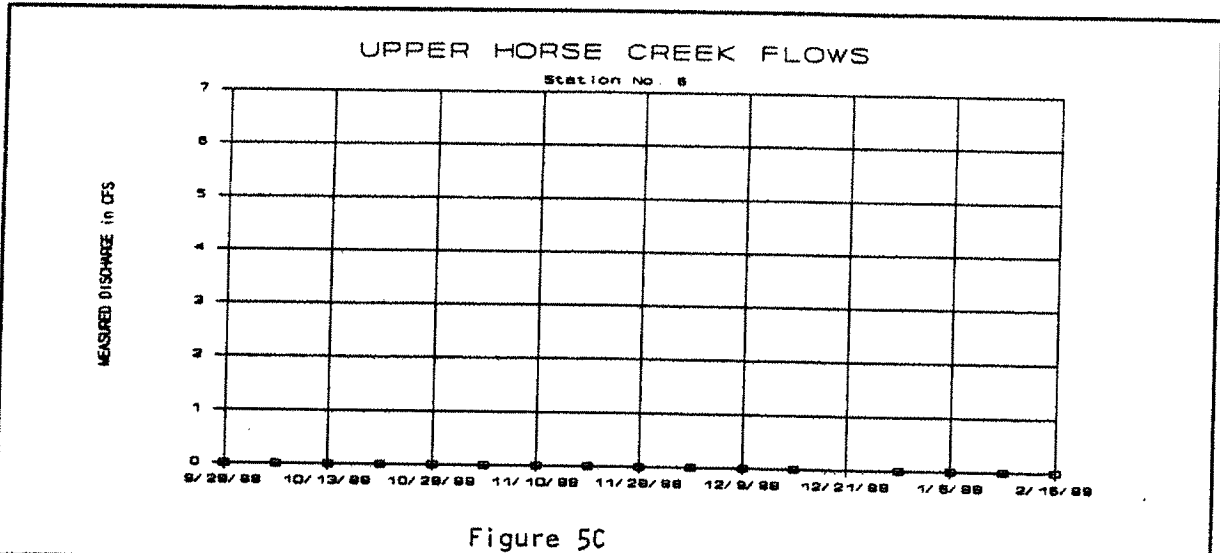


Figure 5C

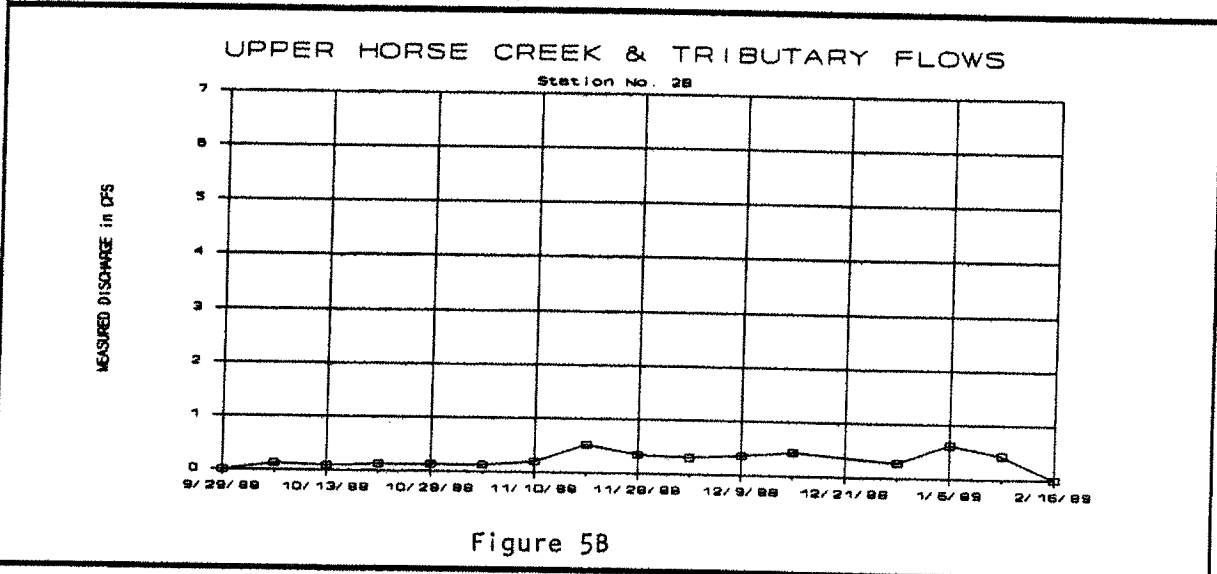


Figure 5B

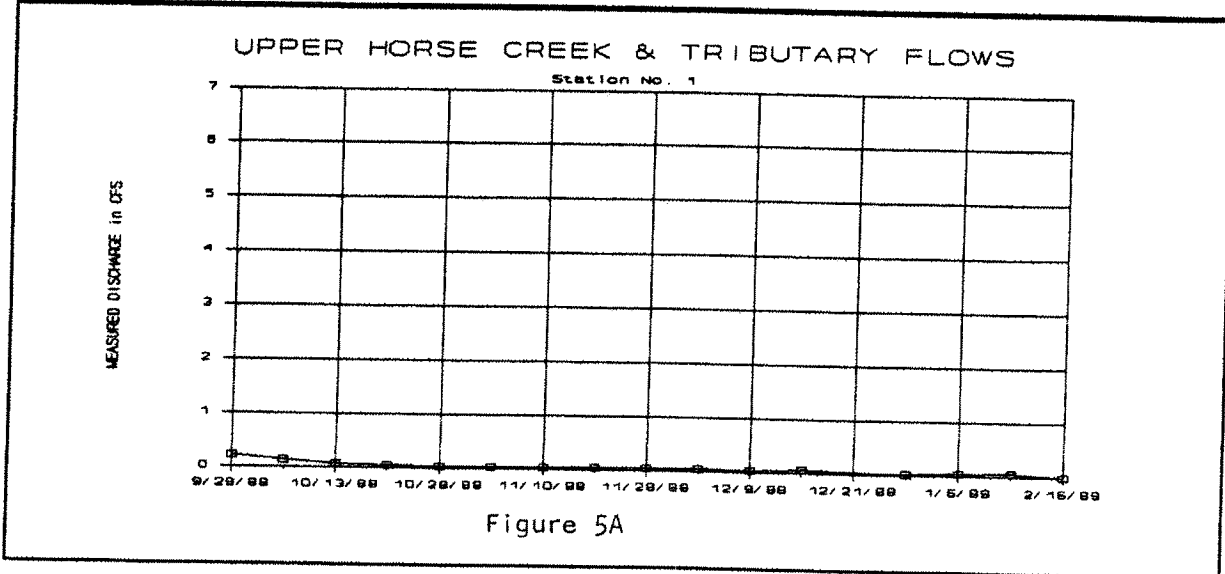


Figure 5A

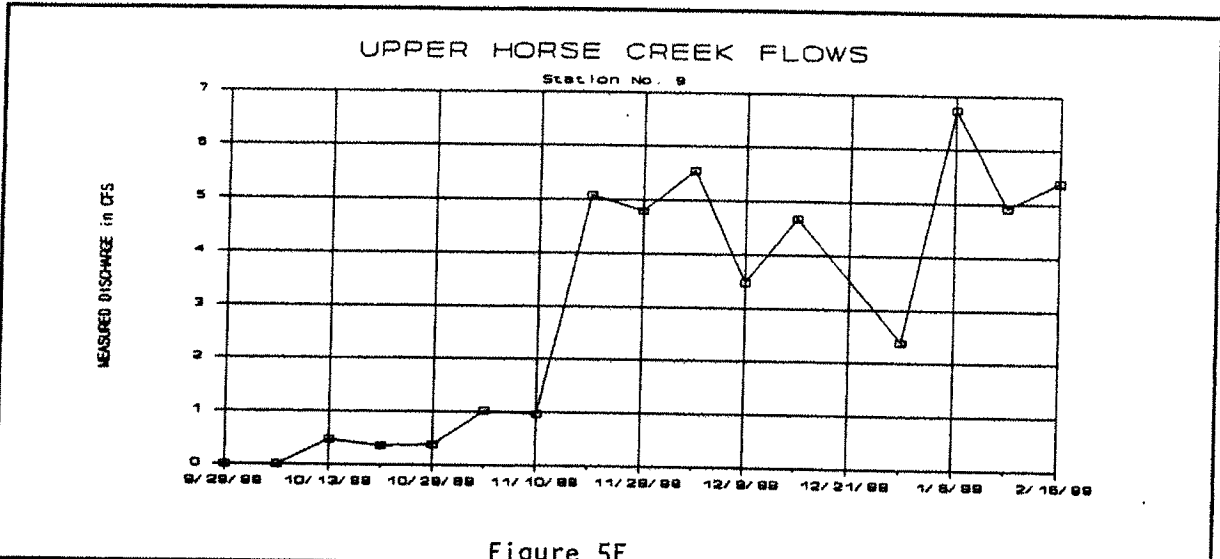


Figure 5F

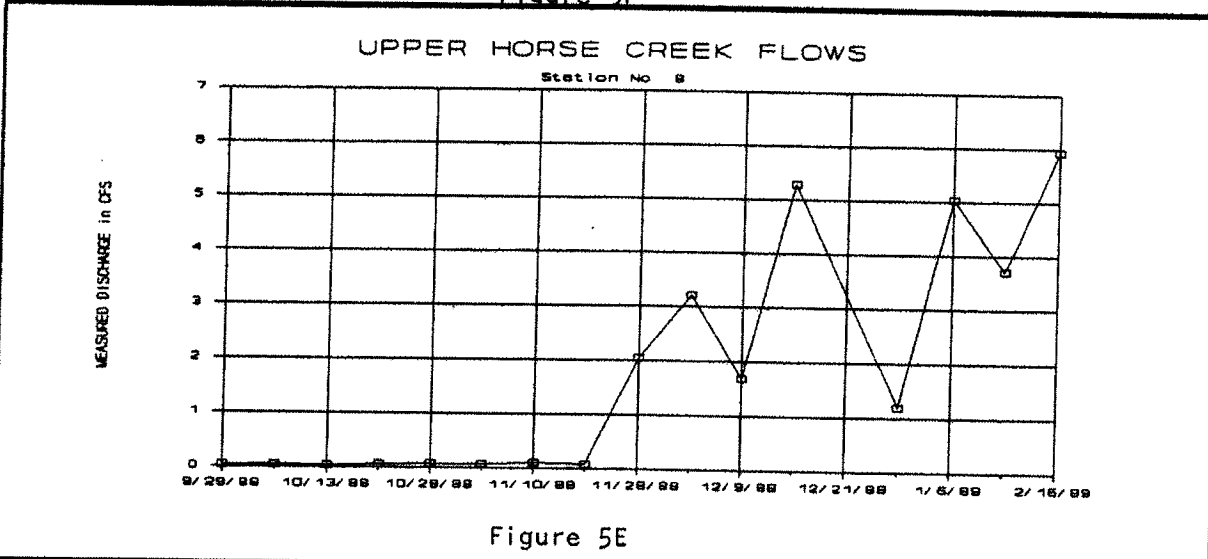


Figure 5E

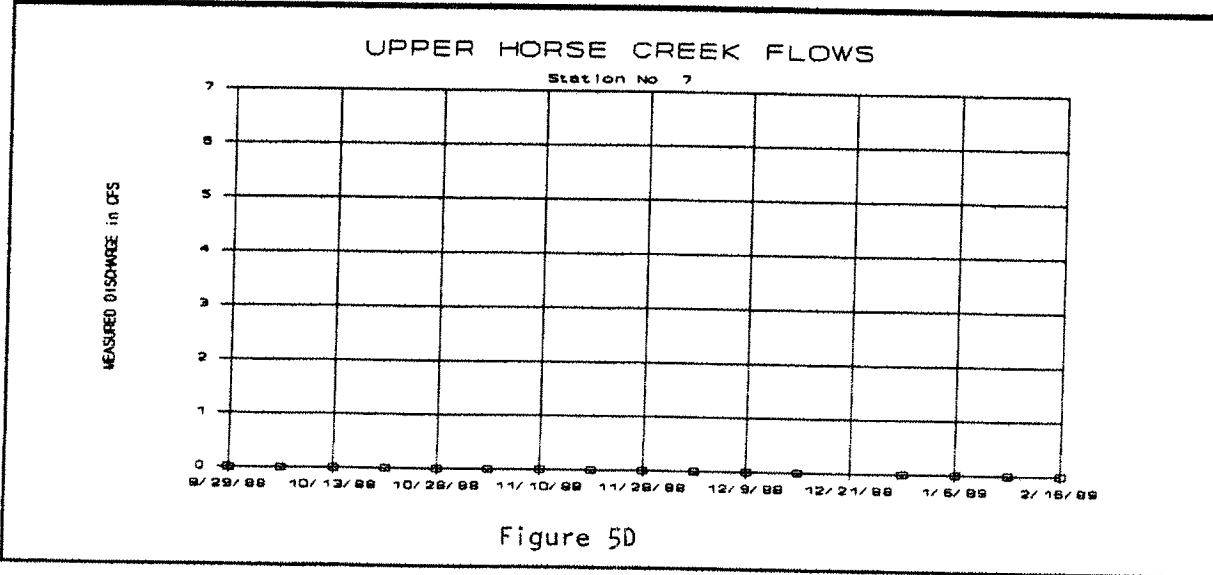


Figure 5D

LITTLE HORSE CREEK FLOWS

Station No. 15

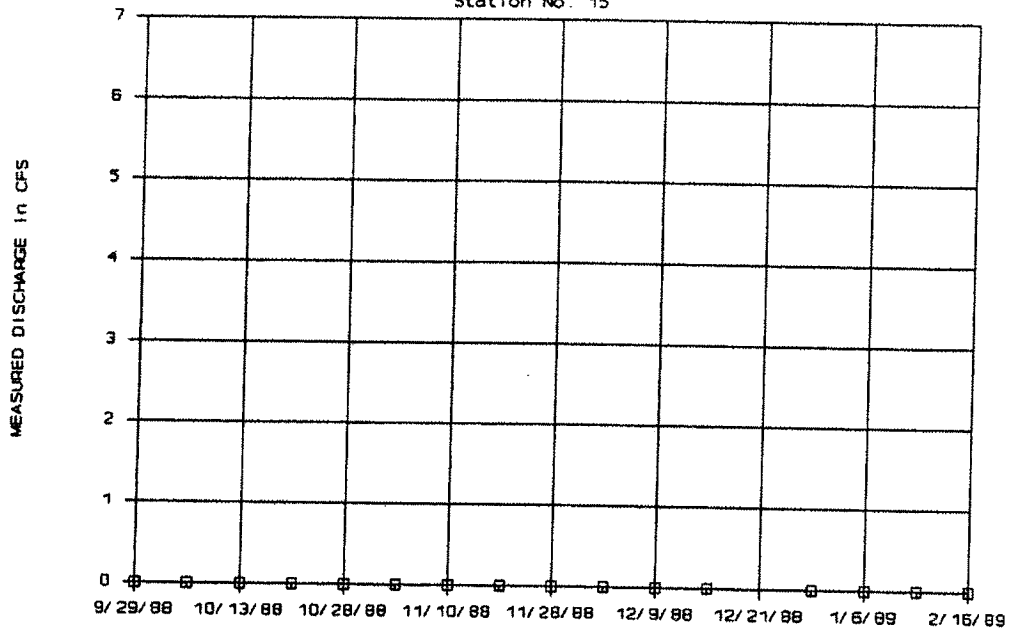


Figure 5H

LITTLE HORSE CREEK FLOWS

Station No. 4

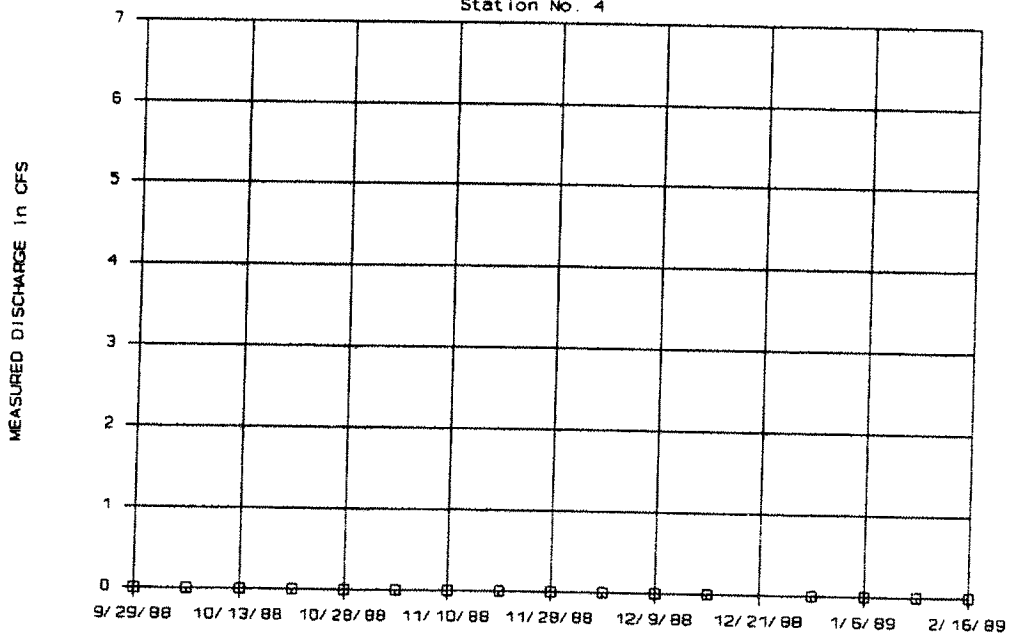


Figure 5G

LITTLE HORSE CREEK FLOWS

Station No 10

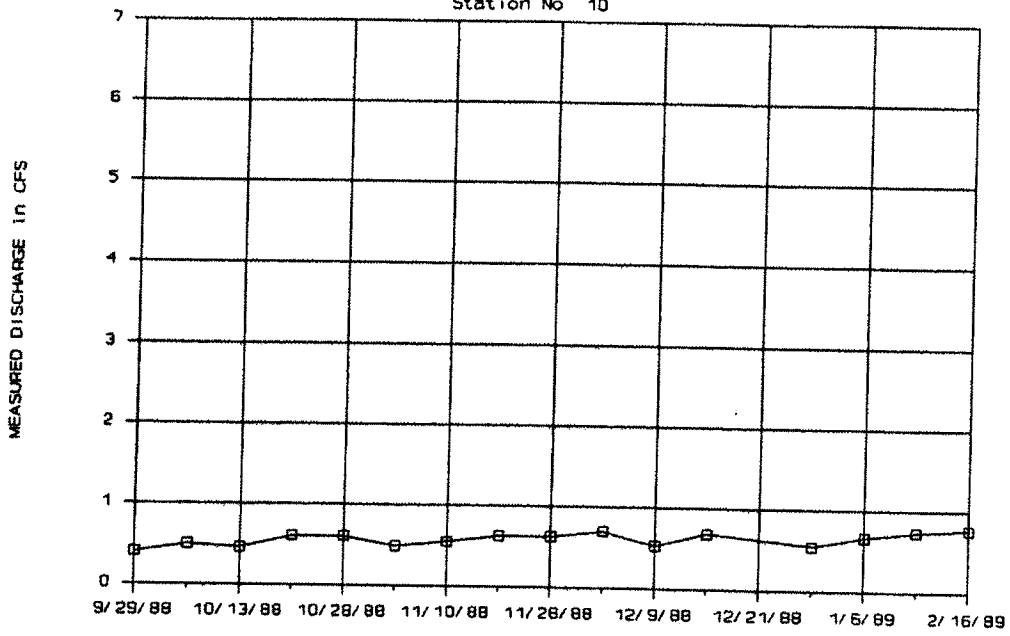


Figure 5J

LITTLE HORSE CREEK FLOWS

Station No. 11

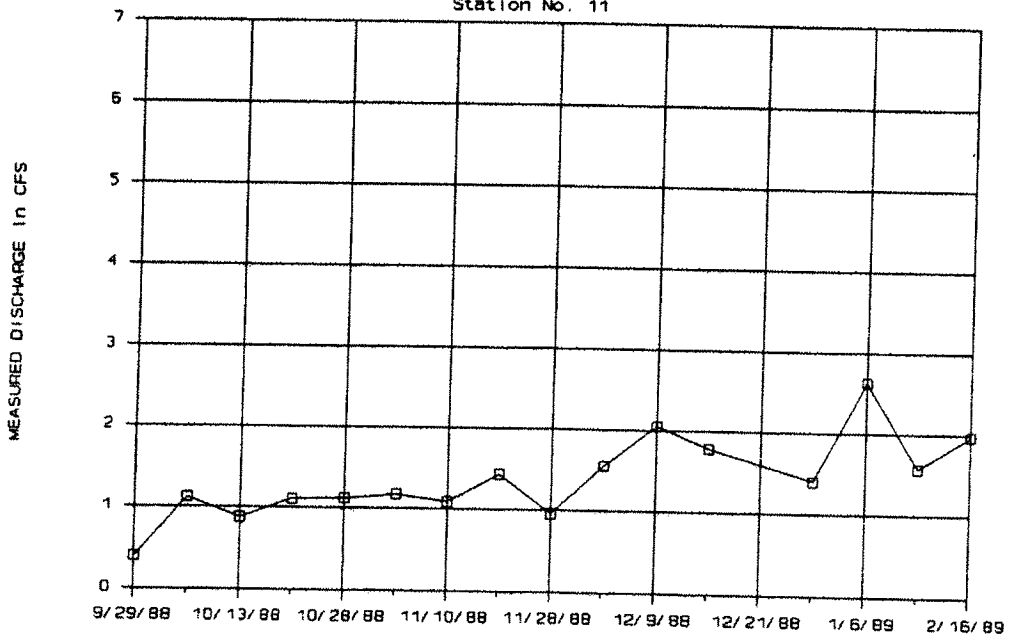


Figure 5I

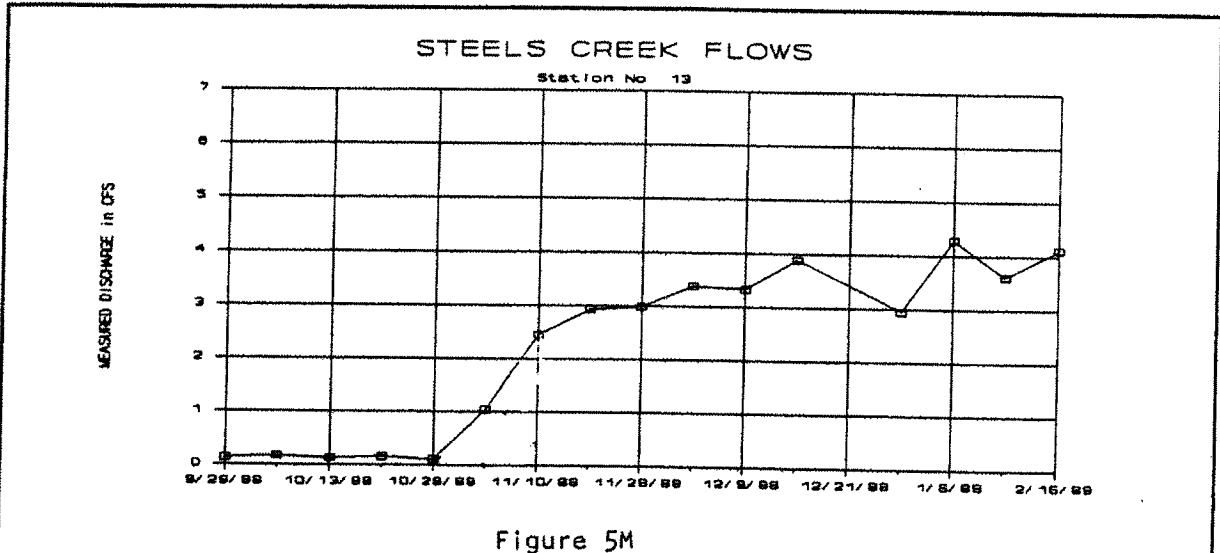


Figure 5M

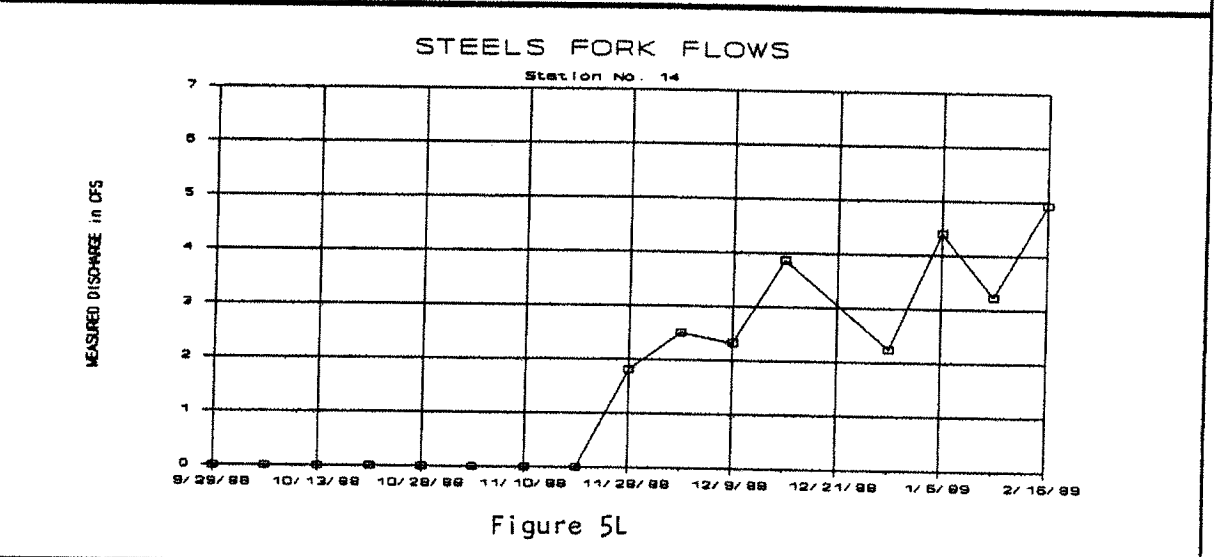


Figure 5L

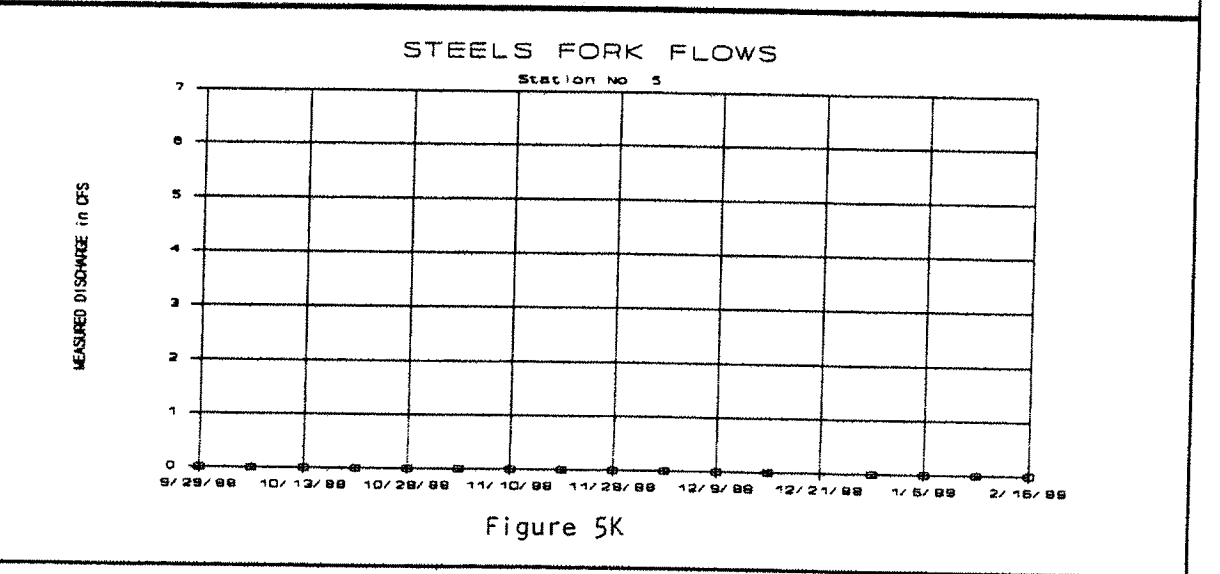
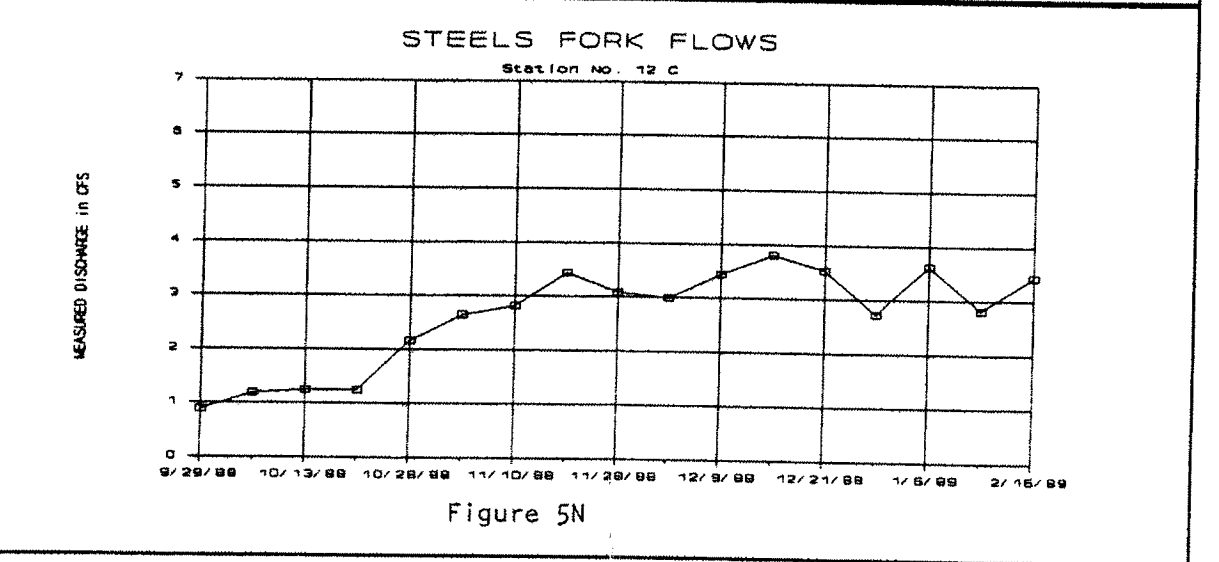
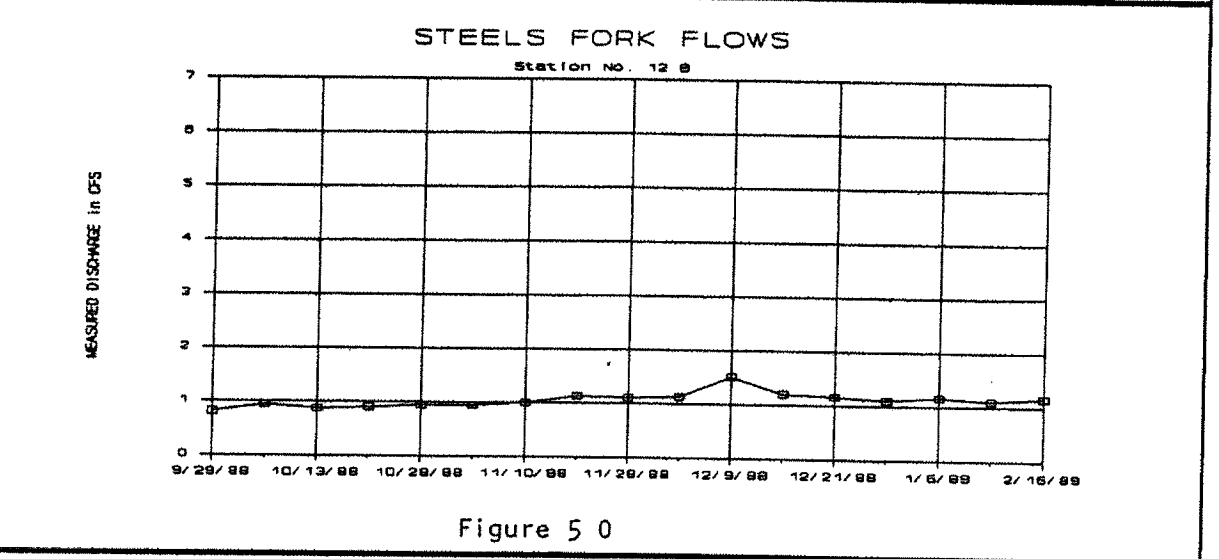
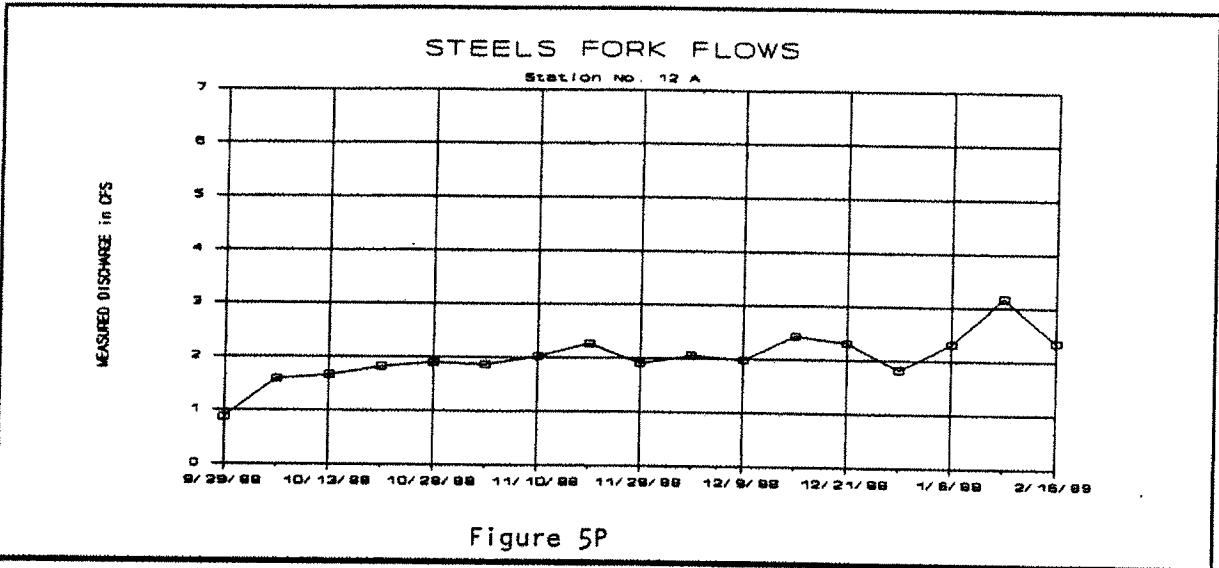
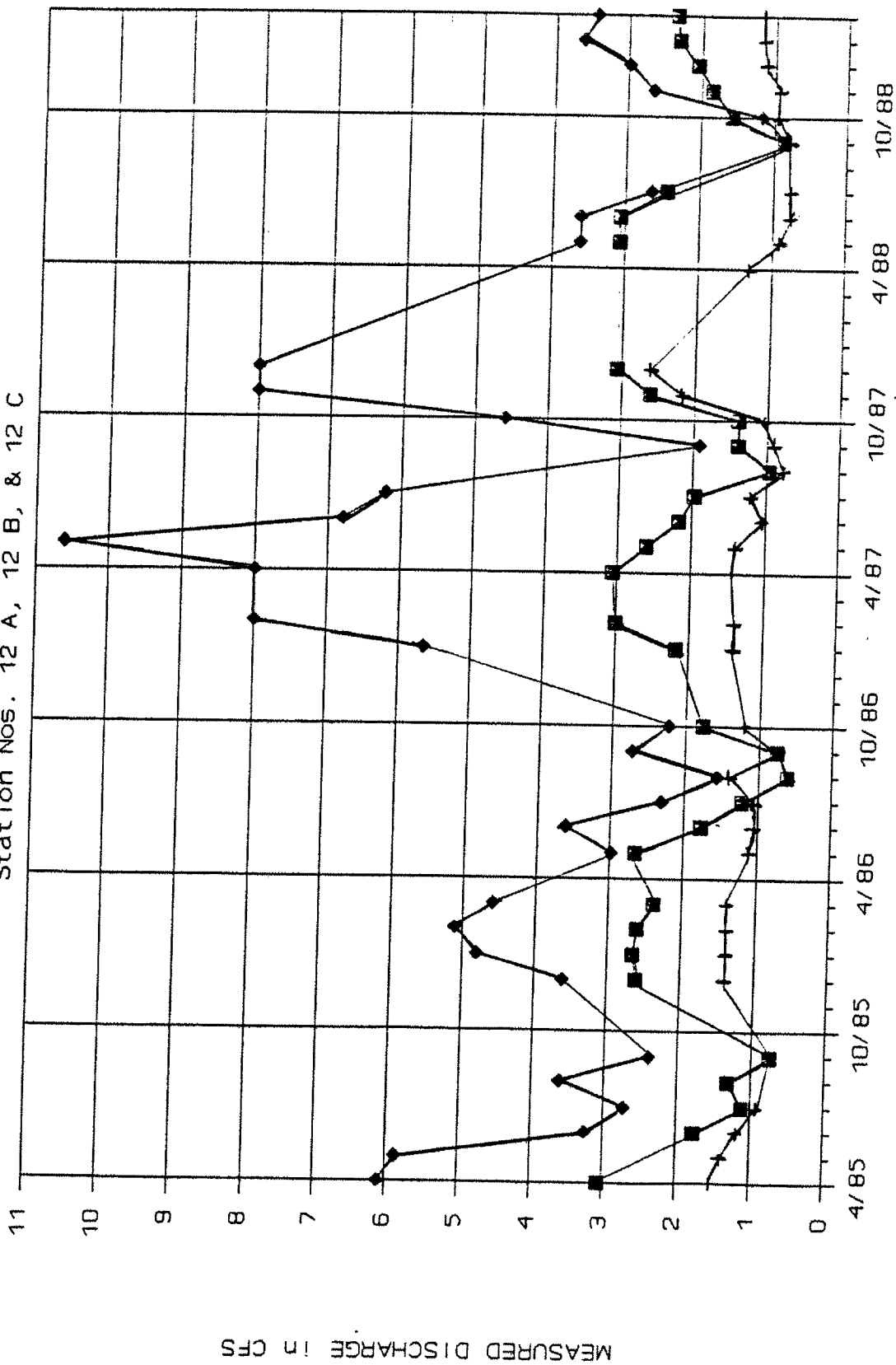


Figure 5K



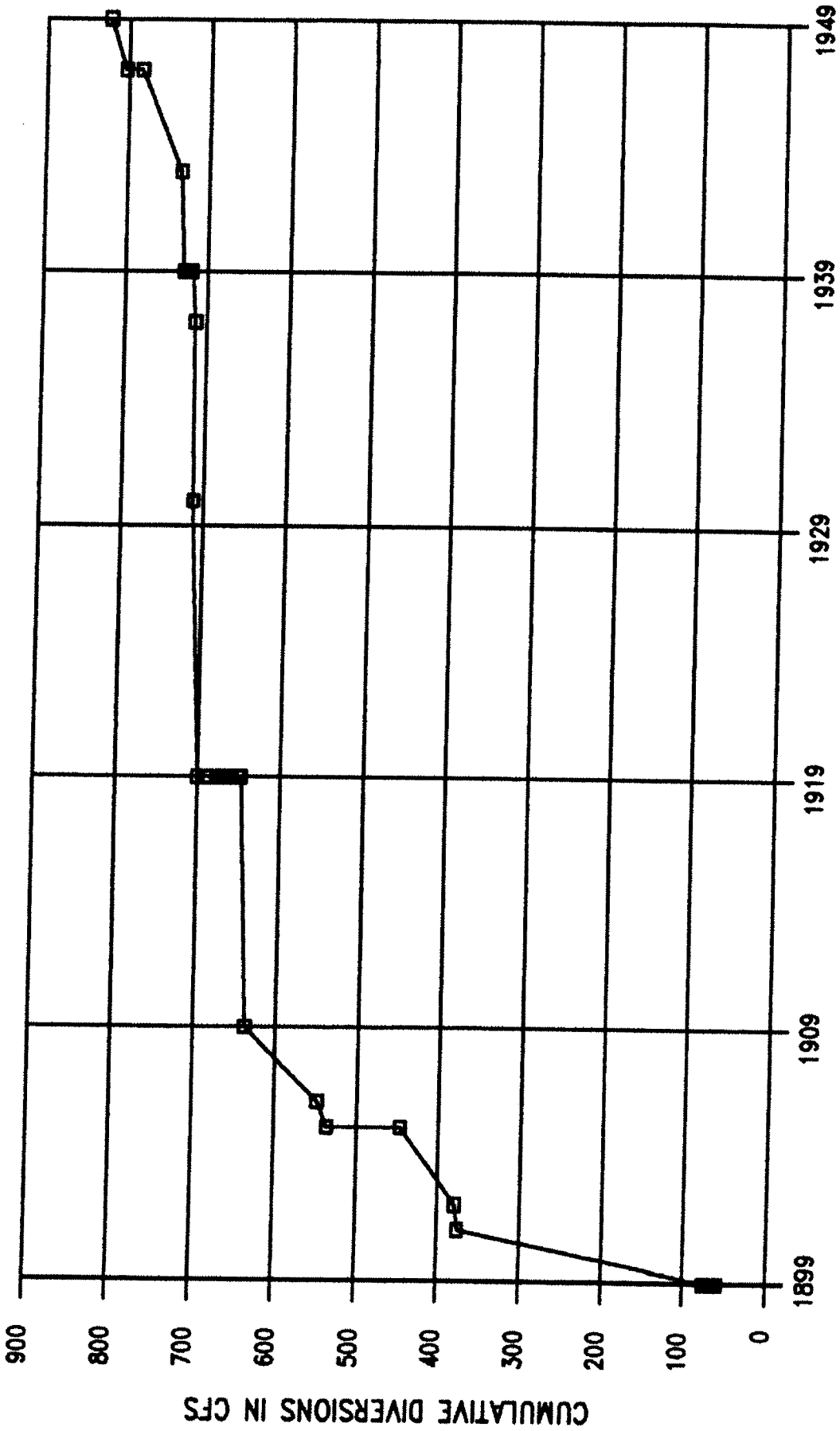
STEELS FORK FLOWS

Station Nos. 12 A, 12 B, & 12 C

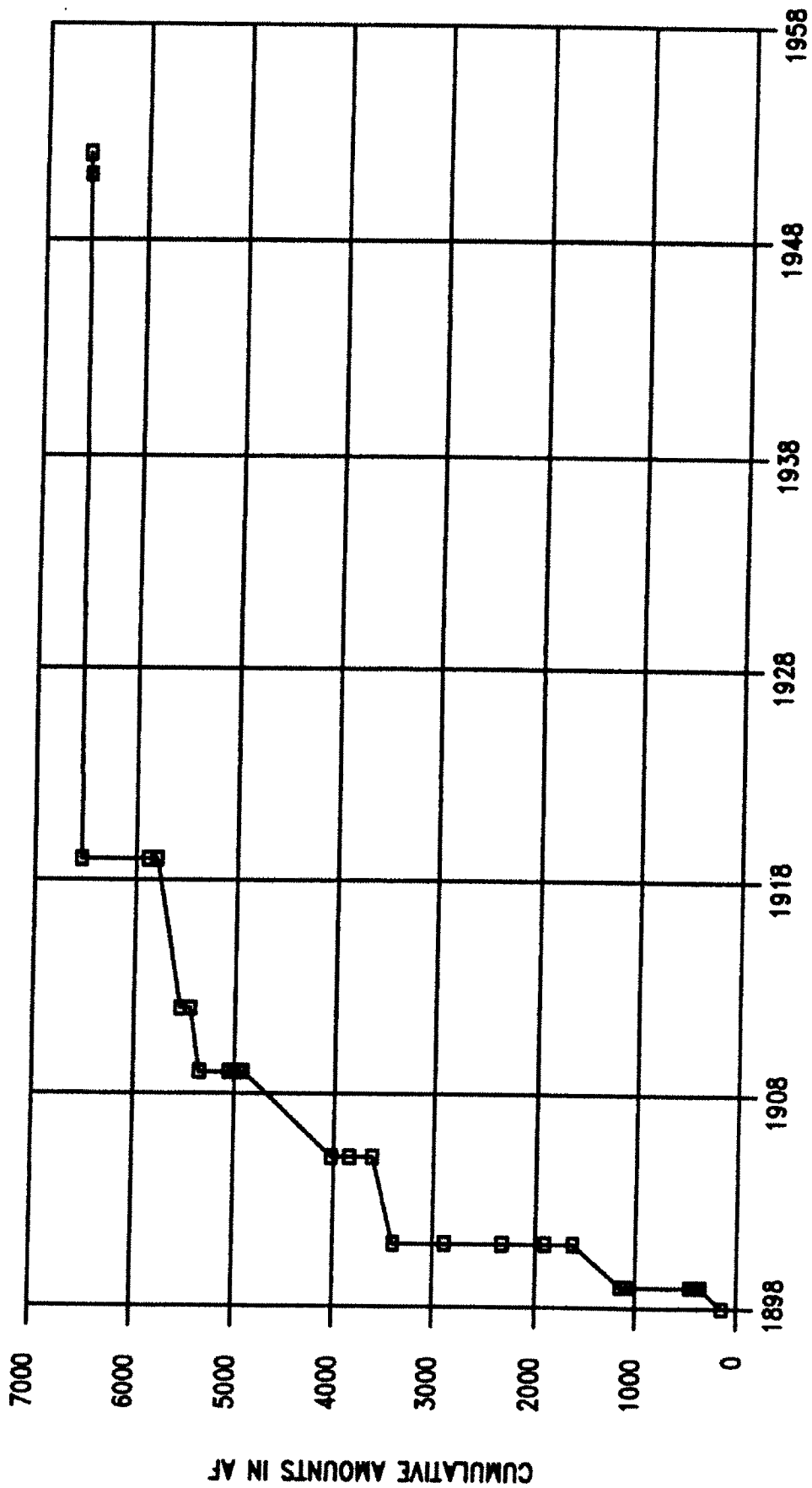


Station 12 A
 Station 12 B
 Station 12 C

Figure 50

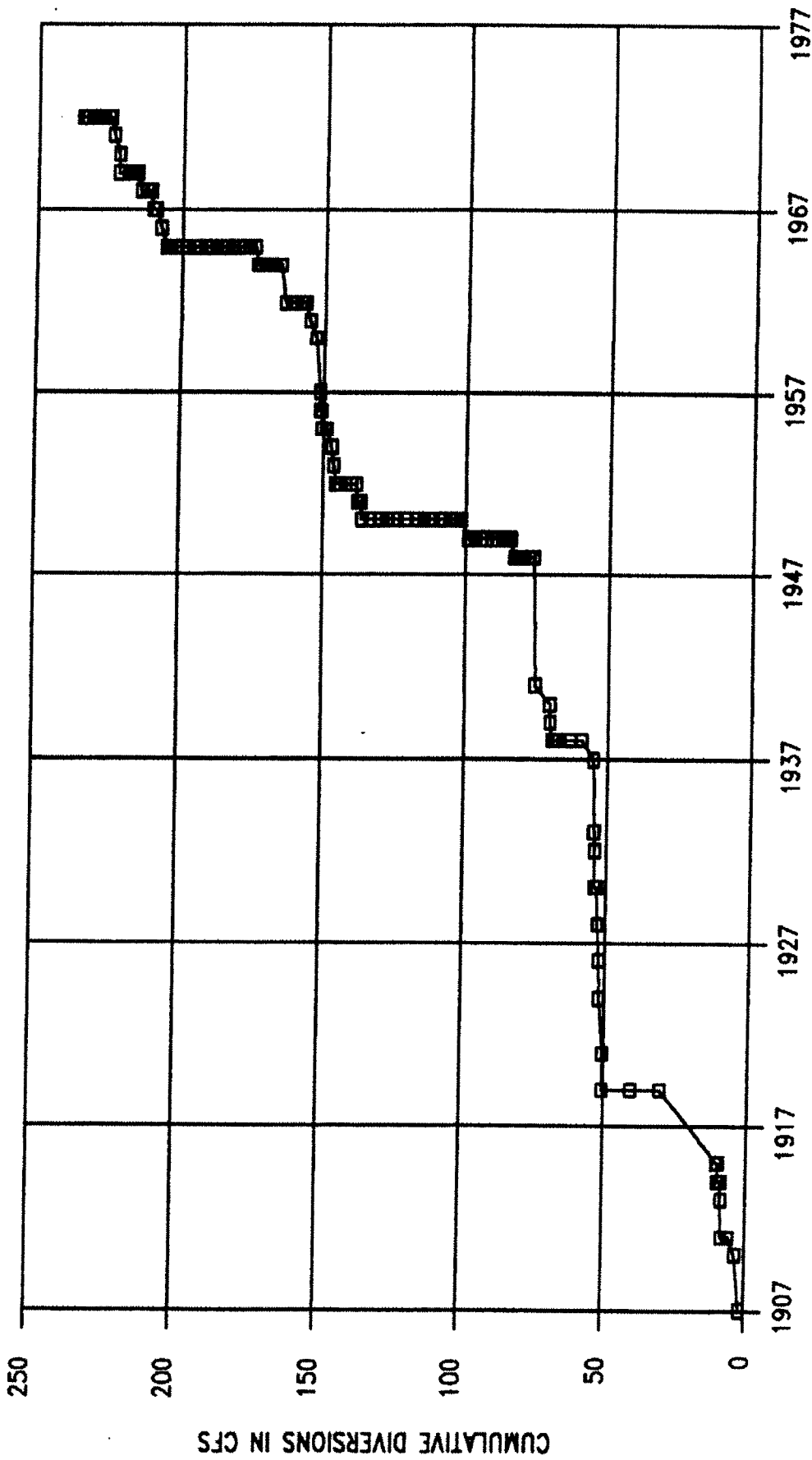


AMOUNT SURFACE WATER DECREED TO IRRIGATION
 YEAR OF APPROPRIATION
 FIGURE 6

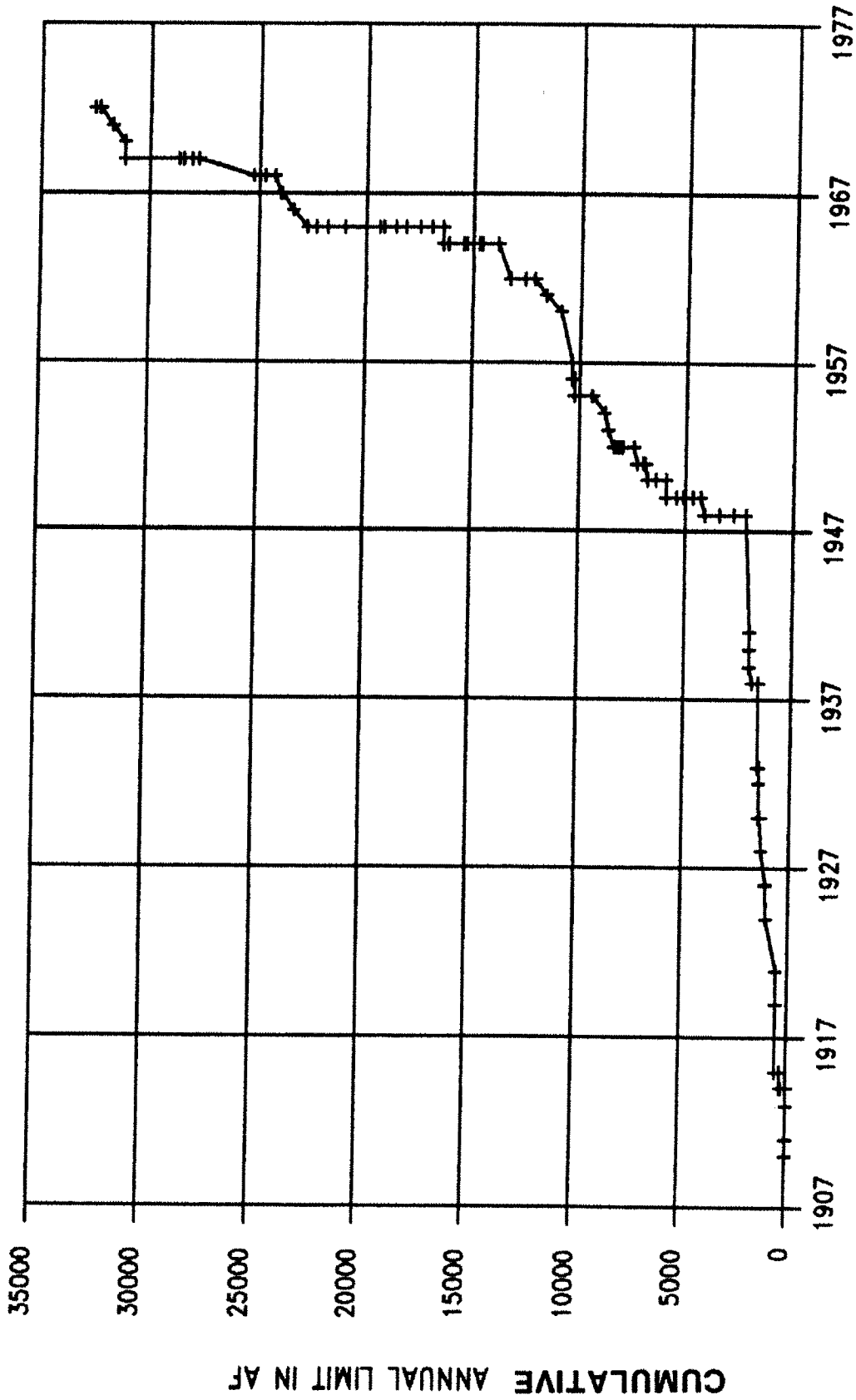


AMOUNT SURFACE WATER DECREED TO STORAGE

FIGURE 7



AMOUNT WATER DECREED TO HIGH CAPACITY WELLS
 YEAR OF APPROPRIATION
 FIGURE 8



YEAR OF APPROPRIATION
 ANNUAL LIMIT DECREED TO HIGH CAPACITY WELLS
 FIGURE 9

APPENDIX B

Tables

TABLE 1

Listing of Decreed Surface Water Rights
and Undecreed Nonexempt Wells by
Administration Number

EXPLANATION OF USE CODES

0	storage
1	irrigation
2	municipal
8	domestic
9	stock

EXPLANATION OF STRUCTURE TYPES

1	adjudicated alluvial well
2	unadjudicated high capacity alluvial well
3	adjudicated bedrock well
4	unadjudicated high capacity bedrock well
5	adjudicated surface water right

TABLE-1 (Contd.)
Listing of Decreased Surface Water Rights and Undeclared
Nonexempt Wells By Administration Number

MAP	WELL TYPE	USE	COOKS	WATER RIGHT OR WELL NAME	PERMIT NO.	Q10	Q40	SEC	TOWN	RNG	CASE	ADMIN NUMBER	DECREASED AMOUNT	ANNUAL ACRES	IRREG	DECREASED INFORMATION	AD-DATE	PAID-DATE	AFFRODATE		
NO	NO										NO		AMOUNT	W	LIMIT						
											NO										
E7	20	1	89	CARTER K. WELL NO 8	036252	SW	SM	31	180S	0560M	N	880	28855.00000								
E7	21	1	89	CARTER K. WELL NO 9	056253	SW	SM	31	180S	0560M	N	880	28855.00000								
E7	23	1	9	MCCABE-RUSHER WELL NO 4		NW	NW	1	190S	0570M	W	4057	29219.00000								
E7	43	1	18	CARTER B. WELL NO 6	012139R	NW	NE	18	190S	0560M	N	879	29340.00000								
E7	42	1	1	CARTER B. WELL NO 7	012140R	NW	NE	18	190S	0560M	N	879	29340.00000								
E5	10	1	1	MORIN R J WELL NO 2	016148R	NW	NW	8	160S	0560M	W	1921	29401.00000								
E5	9	1	1	MORIN R J WELL NO 3	016149R	SW	SW	5	160S	0560M	W	1921	29401.00000								
E6	11	5	1	BOUDIN		NE	NW	SE	1	170S	0570M	CA	416	29431.00000							
E6	34	1	1	DARNELL WELL NO 3	021697E	SE	NE	30	170S	0560M	N	1586	30315.00000								
E6	39	1	9	MUTT WELL NO 1	095185	SE	NE	31	170S	0560M	W	2392	30315.00000								
E8	5	1	2	ORDWAY TOWN OF	020728E	SW	SE	33	190S	0560M	***	***	30497.00000								
E8	11	1	2	ORDWAY TOWN OF	020729F	NW	NE	4	200S	0560M	***	***	30497.00000								
E8	12	1	2	ORDWAY TOWN OF WELL NO 2	012630F	NE	NE	4	200S	0560M	N	1192	30497.00000								
E8	7	1	2	ORDWAY WELL NO 1	015944F	SW	SE	33	190S	0560M	W	1192	30497.00000								
E8	13	1	2	ORDWAY WELL NO 3	015945E	NE	NE	4	200S	0560M	N	1192	30497.00000								
D5	8	5	1	BRETT GRAY DITCH NO 2	019107U	NW	NW	12	160S	0580M	CA	416	31897.00000								
D5	14	1	1	KUESTER WELL NO 5	021698F	SE	NW	26	160S	0570M	CA	416	31928.00000								
E6	31	1	189	DARNELL WELL NO 4		NZ	NE	30	170S	0560M	W	1586	32141.00000								
C4	22	1	1	FORBES WELL NO 1	018704F	SE	SW	27	140S	0580M	W	1182	32177.00000								
E6	38	1	1	HIXSON DITCH & PUMP PLANT	018072R	NW	NE	33	170S	0560M	CA	416	32266.00000								
E6	35	1	18	HIXSON DITCH & PUMP PLANT	018072S	NW	SE	28	170S	0560M	CA	416	32266.00000								
E6	37	1	1	HIXSON DITCH & PUMP PLANT	018072T	SE	SW	28	170S	0560M	CA	416	32266.00000								
E5	19	1	1	KUESTER WELL NO 1	019107R	SE	NW	SE	26	160S	0570M	CA	416	32354.00000							
E6	42	1	9	MUTT WELL NO 2	095186	NE	NE	6	180S	0560M	W	2392	32506.00000								
D4	6	1	1	T J MILLER FEEDER	019704F	NE	NE	32	140S	0570M	CA	416	32718.00000								
E5	14	1	1	MORIN R J WELL NO 1	016147R	SE	SW	8	160S	0560M	W	1921	33054.00000								
D4	5	1	1	T J MILLER WEST		NE	SE	5	170S	0590M	W	2086	33449.00000								
E6	3	1	9	ANDERSON WELL NO 4	090308	SE	SE	35	160S	0570M	CA	416	34058.00000								
E7	26	1	9	BROOKS DITCH		NW	NW	6	190S	0560M	W	4057	34545.00000								
E6	41	1	9	MCCABE-RUSHER WELL NO 3	095187	SE	SW	32	170S	0560M	W	2392	34698.00000								
D6	2	1	9	MUTT WELL NO 3	087007	NE	SW	34	170S	0570M	W	1541	34698.00000								
B6	1	1	9	PELSTRA WELL NO 5	040759	SW	SW	36	160S	0600M	W	2086	34713.00000								
B6	2	1	9	ANDERSON WELL NO 2	090307	SW	SW	36	160S	0600M	W	2086	34713.00000								
E7	27	1	89	ANDERSON WELL NO 3		NW	NW	6	190S	0560M	W	4057	34910.00000								
C7	1	1	9	MCCABE-RUSHER WELL NO 5	0004558N	NE	NE	28	180S	0580M	W	2841	35144.00000								
D4	7	5	1	T J MILLER EAST DITCH		N	N	20	160S	0570M	CA	416	35640.00000								
E5	16	5	1	WINEINGER IRR DITCH		N	N	20	160S	0560M	CA	416	35793.00000								
E6	12	1	1	LAY T HILLIRON WELL NO 2	013953F	NW	NW	5	170S	0560M	W	2068	35875.00000								
E6	27	1	1	LAY T HILLIRON WELL NO 3	013954F	NW	SE	17	170S	0560M	W	2068	35875.00000								
E5	17	1	1	KUESTER WELL NO 7	019107S	SW	SW	26	160S	0570M	CA	416	35960.00000								
E5	18	1	1	KUESTER WELL NO 8	019107T	SW	NE	26	160S	0570M	CA	416	36000.00000								
D4	12	1	189	RUSSELL WELL NO 1	017997E	NW	SW	11	150S	0570M	CA	416	36146.00000								
E5	8	1	1	JOHNSON WELL NO 4	015961R	SE	NW	5	160S	0560M	W	2697	36159.00000								
E6	40	1	1	HIXSON DITCH NO 1 & PUMPING PLANT	018073R	SW	NW	33	170S	0560M	CA	416	36237.00000								

TABLE-1 (Contd.)
Listing of Decreed Surface Water Rights and Undecreed
Nonexempt Wells By Administration Number

MAP	HUBS OR MAP	TYPE	USE	COORDS	WATER RIGHT OR WELL NAME	PERMIT NO.	Q10	Q40	Q160	SEC	TOWNSHIP	RANGE	CASE	ADMIN NUMBER	DECREE AMOUNT	DECREE LIMIT	ACRES IRRIG	DECREE INFORMATION	ADDDATE	EXPIREDATE	APPROPRIATE
E7	3	1	1		HIXSON DITCH NO 2 AND PUMP	018084R	NW	NW	20	180S	0560M	CA 416	36237.00000		2.4800 C		90 NTE 2.48 CFS	08/15/1960	02/03/1927	03/19/1949	
E4	2	1	1		RUSSELL WELL NO 2	022144F	SE	SE	11	150S	0570M	CA 416	36237.00000		1.2000 C		*** 4 RUSSELL WELLS IRRIG 280 ACRES SEE W4584 80CH30	08/15/1960	02/03/1927	03/19/1949	
E6	21	1	1		BARGER WELL NO 1	019190R	SW	NE	7	170S	0560M	CA 416	36294.00000		2.0000 C		160 NTE 2.0 CFS EACH TOTAL 8 CFS BARGER #1-4 WELLS	08/15/1960	02/03/1927	05/15/1949	
E6	20	1	1		BARGER WELL NO 2	019190S	NW	SW	7	170S	0560M	CA 416	36294.00000		2.0000 C		*** NTE 2.0 CFS EACH TOTAL 8 CFS BARGER #1-4 WELLS	08/15/1960	02/03/1927	05/15/1949	
E6	44	1	1		BARGER WELL NO 3	019190T	NW	SE	1	170S	0570M	CA 416	36294.00000		2.0000 C		*** NTE 2.0 CFS EACH TOTAL 8 CFS BARGER #1-4 WELLS	08/15/1960	02/03/1927	05/15/1949	
E7	4	1	1		HIXSON PUMP & TILE LINE	018122R	NW	NW	20	180S	0560M	CA 416	36305.00000		1.4400 C		90 NTE 1.44 CFS	08/15/1960	02/03/1927	05/26/1949	
C4	2	1	1		SUMMERS WELL NO 19765	019765F	NW	NW	3	140S	0590M	W 1840	36311.00000		1.2300 C		500 OPERATED AS BATTERY W/ 19765R ON 500 AC SEC 3	12/31/1973		06/01/1949	
C4	3	1	1		SUMMERS WELL NO 19765R	019765R	NE	SW	3	140S	0590M	W 1840	36311.00000		1.4400 C		*** OPERATED AS BATTERY W/ 19765R ON 500 AC SEC 3	12/31/1973		06/01/1949	
D4	14	5	1		ALFALFA DITCH	019681R	NW	SE	19	140S	0570M	CA 416	36378.00000		20.0000 C		90 NTE 2.2 CFS IRR DOM ON 90 TO 108 AC	08/15/1960	02/03/1927	11/15/1949	
E6	26	1	18		HIXSON RANCH WELL NO 6	019681R	NW	SW	28	170S	0560M	CA 416	36388.00000		2.2000 C		90 NTE 2.2 CFS IRR DOM ON 90 TO 108 AC	08/15/1960	02/03/1927	03/05/1950	
E6	30	1	18		HIXSON RANCH WELL NO 7	019681S	SW	SW	21	170S	0560M	CA 416	36624.00000		2.6700 C		200 NTE 2.67 CFS IRR DOM 2 WELLS ON 200 AC	08/15/1960	02/03/1927	04/10/1950	
D5	15	1	1		KUESTER WELL NO 4	019107V	SE	SE	26	160S	0570M	CA 416	36682.00000		1.0000 C		50 1 CFS	08/15/1960	02/03/1927	06/07/1950	
E6	6	1	1		BROOKS WELL NO 1 (REID #2WELL REPL)	013108R	NW	NW	1	170S	0570M	CA 416	36685.00000		2.5000 C		152 P-13108-R 2.5 CFS ON 132AC W/BROOKS WELL NO 2	08/15/1960	02/03/1927	06/10/1950	
E6	10	1	1		BROOKS WELL NO 2 (REID #1WELL REPL)	013107R	SE	SW	1	170S	0570M	CA 416	36700.00000		2.5000 C		P-13107-R 2.5 CFS	08/15/1960	02/03/1927	06/25/1950	
D5	10	1	189		LOGAN WELL NO 1 12249R	012249R	NW	NE	21	160S	0570M	W 1397	36705.00000		1.2000 C		70 P-12249R I.D.S 1.2 CFS ABS NTE 384 AF/YR	12/31/1972		06/30/1950	
D4	13	1	1		RUSSELL WELL NO 3	017598F	NW	SW	11	150S	0570M	CA 416	36705.00000		1.5000 C		*** 4 RUSSELL WELLS IRRIGATE 280 ACRES SEE 78CH134	08/15/1960	02/03/1927	06/30/1950	
E4	3	1	1		RUSSELL WELL NO 4	019145F	NW	SE	11	150S	0570M	CA 416	36705.00000		3.5000 C		*** 4 RUSSELL WELLS IRRIGATE 280 ACRES	08/15/1960	02/03/1927	06/30/1950	
E6	17	1	18		HIXSON RANCH WELL NO 8	019682R	SE	NE	8	170S	0560M	CA 416	36713.00000		3.3400 C		120 NTE 3.34 CFS IRR DOM ON 120 AC	08/15/1960	02/03/1927	07/08/1950	
E6	15	1	1		HIXSON RANCH WELL NO 9	019682S	NE	NE	8	170S	0560M	CA 416	36716.00000		0.6700 C		90 NTE 0.67 CFS IRR ON 80 TO 100 AC	08/15/1960	02/03/1927	07/11/1950	
E6	14	1	18		HIXSON RANCH WELL NO 10	020103R	NW	NE	8	170S	0560M	CA 416	36720.00000		1.0000 C		120 NTE 1.0 CFS IRR DOM ON 120 AC	08/15/1960	02/03/1927	07/15/1950	
E6	16	1	18		HIXSON RANCH WELL NO 11	020103S	SE	NW	8	170S	0560M	CA 416	36723.00000		2.4000 C		240 NTE 2.4 CFS IRR STOCK ON 240 AC	08/15/1960	02/03/1927	07/18/1950	
E6	18	1	19		HIXSON RANCH WELL NO 12	020104S	SW	NW	9	170S	0560M	CA 416	36740.00000		3.0000 C		720 NTE 3.0 CFS IRR STOCK ON 720 AC	08/15/1960	02/03/1927	08/04/1950	
E6	22	1	19		HIXSON RANCH WELL NO 13	020105R	NW	SW	9	170S	0560M	CA 416	36742.00000		3.5000 C		*** NTE 3.5 CFS IRR STOCK ON 720 AC P.L. NW NW NW SEC9	08/15/1960	02/03/1927	08/06/1950	
E6	23	1	19		HIXSON RANCH WELL NO 14	020104R	SW	SW	9	170S	0560M	CA 416	36744.00000		4.0000 C		*** NTE 4.0 CFS IRR STOCK ON 720 AC	08/15/1960	02/03/1927	08/08/1950	
C4	13	1	1		A C SUTLIFF WELL NO 1	011249R	NW	SE	14	140S	0590M	CA 416	36828.00000		2.0000 C		160 IRR NTE 2 CFS ON 160 ACRES *** IRR 80 ACRES IN COMBO	08/15/1960	02/03/1927	10/31/1950	
E8	9	1	19		TRAINER WELL NO 5	011245R	SW	SE	34	190S	0560M	W 2842	36970.00000		0.8900 C		W/TRAINER WELLS 1,2,3,5 P-1131 IRR 1.07 CFS NTE 342 AC/YR ON 74 AC LOCATE	12/31/1972		03/22/1951	
B3	4	3	1		WHITNEY WELL P-NO 1131 (KA FORM)	001131R	NW	NE	4	130S	0600M	W 829	37010.00000		1.0700 C		74 P-1131 IRR 1.07 CFS NTE 342 AC/YR ON 74 AC LOCATE	12/31/1972		05/03/1951	
B3	15	1	1		ORCUTT WELL NO 1	016171F	NE	NE	17	130S	0590M	W 254	37026.00000		0.3330 C		P-16171R IRR 0.333 CFS NTE 107 AF/YR	12/31/1971		05/17/1951	
B3	16	1	1		ORCUTT WELL NO 2	016172F	NE	NE	17	130S	0590M	W 254	37026.00000		0.3330 C		P-16172R IRR 0.333 CFS NTE 107 AF/YR	12/31/1971		05/17/1951	
D5	16	5	10		KUESTER RESERVOIR (AMENDED)				26	160S	0570M	CA 416	37223.00000		23.5000 A		100 SOURCE GALLERY .66CFS STL FK, DITCH LITTLE HORSE	08/15/1960	02/03/1927	11/30/1951	
D6	4	1	9		FELSTER WELL NO 2	087004	NE	NE	4	180S	0570M	W 1541	37254.00000		0.0220 C		P-87004 STOCK 10 GPM ABS	12/31/1972		12/31/1951	
E8	4	1	19		TRAINER WELL NO 1 11245R	011245R	SW	NW	27	190S	0560M	W 2842	37336.00000		0.4400 C		80 IRR 80 ACRES IN COMBO W/TRAINER WELLS 1,2,3,4,5	12/31/1972		03/22/1952	
E8	1	1	19		TRAINER WELL NO 2 11246R	011246R	SW	NW	27	190S	0560M	W 2842	37336.00000		0.4400 C		*** IRR 80 ACRES IN COMBO W/TRAINER WELLS 1,2,3,4,5	12/31/1972		03/22/1952	

TABLE-1 (Contd.)
Listing of Decreed Surface Water Rights and Undecreed
Monexempt Wells By Administration Number

MAP	WELL TYPE USE CODES ON STRUC MAP	WATER RIGHT OR WELL NAME	PERMIT NO. Q10 Q40 Q160 SEC TOWN R1G S11D	CAFE WORKS	ADMIN NUMBER	DECREED U ANNUAL ACRE AMOUNT W LIMIT	DECREED INFORMATION	PAID DATE	APPROPRIATE
E7	12 5 10	MCCABE RESERVOIR NO 2	NE NE SE 24 180S 0570W W 892	44559-20340	176.0000 A	176	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CM7, 85CM16	12/31/1972	09/09/1905
C7	5 5 8	GAMBREL SPRING	NW NW 9 190S 0580W W 1477	44555-25932	0.0260 C		12 GPM	12/31/1972	12/31/1971
E8	28 1 20	ORDWAY TOWN OF STORAGE	NE NE 4 200S 0580W W 1192	44559-40085	0.7300 A	125		12/31/1972	10/01/1959
A4	2 1 6	DINEILO, LEE	NE SE 5 140S 0600W W 3598	44559-44432	0.0320 C		P-15528 DOM 0.033 CFS ABS	12/31/1972	08/26/1971
C4	21 1 8	PREISSER WELL NO 6	NW NE 29 140S 0580W W 2545	44664-00000	0.0220 C		P-5667F 10 GPM	12/31/1972	04/14/1972
C4	27 1 1230	PREISSER WELL NO 8	SW SE 30 140S 0580W W 3890	44886-00000	2.0000 C		P-9261-F	12/31/1972	11/22/1972
C4	24 1 1230	PREISSER WELL NO 10	NW SE 30 140S 0580W W 3890	44888-00000	1.7700 C		P-9198-F	12/31/1972	11/24/1972
C4	23 1 1230	PREISSER WELL NO 9	SW NE 30 140S 0580W W 3890	44889-00000	1.0000 C		P-9197-F	12/31/1971	11/25/1972
C4	25 1 1230	PREISSER WELL NO 11 9264F	NW SW 29 140S 0580W W 3890	44893-00000	1.0400 C	240	140 P-9264-F	12/31/1972	11/29/1972
D4	3 1 1230	PREISSER WELL NO 14	SE SE 22 140S 0580W W 3890	44894-00000	0.6100 C		P-9263-F	12/31/1972	11/29/1972
C4	18 1 1230	PREISSER WELL NO 15	SE SW 22 140S 0580W W 3890	44894-00000	1.1100 C		P-9265-F	12/31/1972	11/30/1972
C4	14 1 1230	PREISSER WELL NO 12	NW NE 22 140S 0580W W 3890	44895-00000	1.2700 C	570	P-9202-F	12/31/1972	12/01/1972
D4	2 1 1230	PREISSER WELL NO 12	SE NE 22 140S 0580W W 3890	44896-00000	0.6700 C		P-9201-F	12/31/1972	12/02/1972
C4	17 1 1230	PREISSER WELL NO 7	SW SE 20 140S 0580W W 3890	44900-00000	1.5500 C		P-9263-F ALL PREISSER SEE ALSO 81CM165, 166 85CM193	12/31/1972	12/06/1972
B3	10 1 1	RICHARDSON WELL NO 1	SW SE 2 130S 0600W W 3971	44925-42269	2.3300 C	640		12/31/1973	09/23/1965
B3	11 1 1	RICHARDSON WELL NO 2	SW SE 2 130S 0600W W 3971	44925-42269	2.0000 C			12/31/1973	09/23/1965
B3	5 1 1	RICHARDSON WELL NO 3	SW NW 2 130S 0600W W 3971	44925-42269	2.0000 C			12/31/1973	09/23/1965
B3	9 1 1	RICHARDSON WELL NO 4	NE SW 2 130S 0600W W 3971	44925-42269	1.0300 C	160		12/31/1973	09/23/1965
E7	13 5 89	MCCABE SPRING	SE SE 25 180S 0570W 82CW 46	48212-16436	0.0160 C		7 GPM	12/31/1972	12/31/1981
D7	1 1 9	HENDRIX WELL NO 1 61578	SW NE 19 180S 0570W 82CW 47	48212-44559	0.0330 C			12/31/1982	12/31/1984
B3	29 4 1	CLAY, JAMES (MIL)	SW NE 35 130S 0600W NO DECREE	99999-99999	0.0000 C			12/31/1982	12/31/1984
C3	3 2 8	DREW JESS	NW NW 22 130S 0590W NO DECREE	99999-99999	0.0000 C			12/31/1982	12/31/1984
A3	2 4 1	BOLSE, LARRY (TRD Farm)	NE NW 10 130S 0610W NO DECREE	99999-99999	0.0000 C		OLD DOMESTIC NO IRRIGATION		
A2	4 4 1	MICOLAI, LEONARD (Ka FORM)	NE NE 8 120S 0600W NO DECREE	99999-99999	0.0000 C				
E6	28 2 1	OWENS E J WELL NO 1	NE NE 18 170S 0560W W 2068	99999-99999	1.7800 C	144 160			05/31/1952
E6	24 2 1	OWENS E J WELL NO 2	NE NE 18 170S 0560W W 2068	99999-99999	1.6700 C	570 80		12/31/1972	
A3	1 4 189	SHARPE, RONALD (Ka)	SW NW 23 120S 0610W NO DECREE	99999-99999	0.0000 C	535 80		12/31/1972	
E8	10 2 1	TRAINOR WELL NO 6	SW SE 34 190S 0560W NO DECREE	99999-99999	0.0000 C	9.2 5			05/31/1956

TABLE 2

Listing of Decreed Surface Water Rights
and Undecreed Nonexempt Wells by
Location

EXPLANATION OF USE CODES

0	storage
1	irrigation
2	municipal
8	domestic
9	stock

EXPLANATION OF STRUCTURE TYPES

1	adjudicated alluvial well
2	unadjudicated high capacity alluvial well
3	adjudicated bedrock well
4	unadjudicated high capacity bedrock well
5	adjudicated surface water right

TABLE-2 (Contd.)
Listing of Decreed Surface Water Rights and Undecreed
Nonexempt Wells By Location

MAP	WATER RIGHT OR WELL NAME	WATER RIGHT OR WELL CODE	USE CODE	MAP	SEC	TOWNSHIP	RANGE	NEEDS	ADJUTANT	APPROPRIATE	ADJUSTMENT	APPROPRIATE	
E6	DARNELL WELL NO 2	021696F	SE NE	30	170S	0560W	M	1586	39446.00000				
E6	DARNELL WELL NO 3	021697F	SE NE	30	170S	0560W	M	1586	30315.00000		12/31/1972	12/31/1972	
E6	MUTT WELL NO 1	095185	SE NE	31	170S	0560W	M	2392	30315.00000		12/31/1972	12/31/1972	
E6	MUTT WELL NO 3	095187	SE SW	32	170S	0560W	M	2392	34698.00000		12/31/1972	12/31/1972	
E6	HIXSON DITCH & PUMP PLANT 112WELLS	018072R	NW NE	33	170S	0560W	CA	416	32726.00000		08/15/1960	02/03/1972	05/05/1978
E6	HIXSON DITCH NO 1 & PUMPING PLANT	018073R	SW NW	33	170S	0560W	CA	416	36237.00000		08/15/1960	02/03/1972	03/19/1949
E6	MUTT WELL NO 2	095186	NE NE	6	180S	0560W	M	2392	32506.00000		12/31/1972	12/31/1972	12/31/1972
E7	MCCABE DITCH NO 2		SW SW	18	180S	0560W	M	892	44559.20340		12/31/1972	12/31/1971	09/09/1905
E7	BOX SPRINGS CANAL NO 1			20	180S	0560W		1922	20186.18194	9000	08/30/1922	04/08/1905	10/24/1899
E7	BOX SPRINGS CANAL NO 1			20	180S	0560W		1922	20186.18813	9000	08/30/1922	04/08/1905	07/05/1901
E7	BOX SPRINGS CANAL NO 1			20	180S	0560W		1922	21803.00000	9000	08/30/1922	04/08/1905	09/11/1909
E7	HIXSON DITCH NO 2 AND PUMP	018084R	NW NW	20	180S	0560W	CA	416	36237.00000		08/15/1960	02/03/1972	03/19/1949
E7	HIXSON PUMP & TIE LINE	018122R	NW SW	20	180S	0560W	CA	416	36305.00000		08/15/1960	02/03/1972	05/26/1949
E7	CARTER K. WELL NO 7	010097R	SW SW	29	180S	0560W	M	880	36929.00000		12/31/1972	08/01/1955	12/31/1972
E7	BOX SPRINGS NO 1 RES		SW NE	31	180S	0560W		1927	26539.18194		02/03/1927	08/30/1922	10/24/1898
E7	BOX SPRINGS NO 1 RES 2ND ENL		NE	31	180S	0560W		1927	26539.21803		02/03/1927	08/30/1922	09/11/1909
E7	BOX SPRINGS NO 1 RES ENL		NE	31	180S	0560W		1927	26539.18813		02/03/1927	08/30/1922	07/05/1901
E7	CARTER KENNETH W PART OF BATTERY	010092R	SE SE	31	180S	0560W	M	880	23435.00000		12/31/1972	12/31/1972	03/01/1914
E7	CARTER KENNETH W PART OF BATTERY	010093R	SE SE	31	180S	0560W	M	880	23435.00000		12/31/1972	12/31/1972	03/01/1914
E7	CARTER KENNETH W PART OF BATTERY	010091R	SE SE	31	180S	0560W	M	880	23435.00000		12/31/1972	12/31/1972	03/01/1914
E7	CARTER KENNETH W PART OF BATTERY	010094R	SE SE	31	180S	0560W	M	880	23435.00000		12/31/1972	12/31/1972	03/01/1914
E7	CARTER KENNETH W PART OF BATTERY	010095R	SE SE	31	180S	0560W	M	880	23435.00000		12/31/1972	12/31/1972	03/01/1914
E7	CARTER K. WELL NO 6	010096R	SW SW	31	180S	0560W	M	880	39537.00000		12/31/1972	12/31/1972	03/01/1914
E7	CARTER K. WELL NO 8	036252	SW SW	31	180S	0560W	M	880	28855.00000		12/31/1972	12/31/1972	04/01/1958
E7	CARTER K. WELL NO 9	056253	SW SW	31	180S	0560W	M	880	28855.00000		12/31/1972	12/31/1972	01/01/1929
E7	BOX SPRINGS NO 2 RES		SE	5	190S	0560W		422	300.00000		12/31/1972	12/31/1972	01/01/1929
E7	BOX SPRINGS NO 2 RES 2EN		SE	5	190S	0560W		1927	26539.18194		02/03/1927	08/30/1922	10/24/1899
E7	BOX SPRINGS NO 2 RES ENL		SE	5	190S	0560W		1927	26539.18813		02/03/1927	08/30/1922	07/05/1901
E7	MCCABE-RUSHER WELL NO 1		NW NW	6	190S	0560W	M	4057	24836.00000		12/31/1972	12/31/1972	12/31/1972
E7	MCCABE-RUSHER WELL NO 2		NW NW	6	190S	0560W	M	4057	38197.00000		12/31/1972	12/31/1972	07/31/1954
E7	MCCABE-RUSHER WELL NO 3		NW NW	6	190S	0560W	M	4057	34545.00000		12/31/1972	12/31/1972	07/31/1954
E7	MCCABE-RUSHER WELL NO 5		NW NW	6	190S	0560W	M	4057	34910.00000		12/31/1972	12/31/1972	07/31/1954
E7	BOX SPRINGS NO 3 RES		SE NE	7	190S	0560W		207	60.00000		12/31/1972	12/31/1972	07/31/1945
E7	BOX SPRINGS NO 3 RES 2EN		SE NE	7	190S	0560W		1927	26539.18194		02/03/1927	08/30/1922	10/24/1899
E7	BOX SPRINGS NO 3 RES ENL		SE NE	7	190S	0560W		1927	26539.21803		02/03/1927	08/30/1922	09/11/1909
E7	BOX SPRINGS NO 4 RES		SE SE	7	190S	0560W		275	300.00000		12/31/1972	12/31/1972	07/05/1901
E7	BOX SPRINGS NO 4 RES 2EN		SE SE	7	190S	0560W		275	300.00000		12/31/1972	12/31/1972	07/05/1901
E7	BOX SPRINGS NO 4 RES ENL		SE SE	7	190S	0560W		275	300.00000		12/31/1972	12/31/1972	07/05/1901
E7	CARTER B O #1 BATTERY 1-4	012134R	SW SE	7	190S	0560W	M	879	26539.21803		12/31/1972	12/31/1972	12/31/1928
E7	CARTER B O #2 BATTERY 1-4	012135R	SW SE	7	190S	0560W	M	879	26539.21803		12/31/1972	12/31/1972	12/31/1928
E7	CARTER B O #3 BATTERY 1-4	012136R	SW SE	7	190S	0560W	M	879	26539.21803		12/31/1972	12/31/1972	12/31/1928
E7	CARTER B O #4 BATTERY 1-4	012137R	SW SE	7	190S	0560W	M	879	26539.21803		12/31/1972	12/31/1972	12/31/1928
E7	CARTER WELL NO 14	036255	SW SE	7	190S	0560W	M	879	28123.00000	28	12/31/1972	12/31/1972	12/31/1928

TABLE-2 (Contd.)
Listing of Decreed Surface Water Rights and Undecreed Nonexempt Wells By Location

MAP	WELL TYPE	USE CODES	WATER RIGHT ON WELL NAME	PERMIT NO. Q10 Q40 Q160 SEC TOWNSHIP	CLASS	ADMIN NUMBER	DECREED AMOUNT	ANNUAL ACRE LIMIT	IRRIG	DECREED INFORMATION	ADDUATE	FRADUATE	APPROPRIATE
							I	T	S				
E7	36	1	MINENGER DAVIS 10011 F	010011E	NE SW 9 190S 0560W M 2156	42240.00000	0.6700	C	215	40 IRR 0.67 CFS NTE 215 AF/YR	12/31/1972		08/25/1965
E7	44	1	CARTER B. O. BATTERY 8-13	021057F	NW NE 18 190S 0560W M 879	23831.00000	0.6900	C	224	P-021055-P-021060 I,D 0.69 CFS NTE 224 AF/YR	12/31/1972		04/01/1915
E7	44	1	CARTER B. O. BATTERY 8-13	021060F	NW NE 18 190S 0560W M 879	23831.00000	0.0000		***	P-021055-P-021060 I,D 0.69 CFS NTE 224 AF/YR	12/31/1972		04/01/1915
E7	44	1	CARTER B. O. BATTERY 8-13	021059E	NW NE 18 190S 0560W M 879	23831.00000	0.0000		***	P-021055-P-021060 I,D 0.69 CFS NTE 224 AF/YR	12/31/1972		04/01/1915
E7	44	1	CARTER B. O. BATTERY 8-13	021056F	NW NE 18 190S 0560W M 879	23831.00000	0.0000		***	P-021055-P-021060 I,D 0.69 CFS NTE 224 AF/YR	12/31/1972		04/01/1915
E7	44	1	CARTER B. O. BATTERY 8-13	021058E	NW NE 18 190S 0560W M 879	23831.00000	0.0000		***	P-021055-P-021060 I,D 0.69 CFS NTE 224 AF/YR	12/31/1972		04/01/1915
E7	44	1	CARTER B. O. BATTERY 8-13	021055F	NW NE 18 190S 0560W M 879	23831.00000	0.0000		***	P-021055-P-021060 I,D 0.69 CFS NTE 224 AF/YR	12/31/1972		04/01/1915
E7	43	1	CARTER B. WELLS NO 6	012139R	NW NE 18 190S 0560W M 879	29340.00000	0.1900	C	64	P-12139R I,D 0.19 CFS NTE 64 AF/YR	12/31/1972		04/01/1915
E7	42	1	CARTER B. WELLS NO 7	012140R	NW NE 18 190S 0560W M 879	29340.00000	0.2550	C	82	P-12140R I,D 0.255 CFS NTE 85 AF/YR	12/31/1972		05/01/1930
E7	41	1	CARTER B. WELLS NO 5	012138R	NW NE 18 190S 0560W M 879	23740.00000	0.2660	C	85	P-12138R I,D 0.266 CFS NTE 85 AF/YR	12/31/1972		12/31/1914
E7	45	5	BOX SPRINGS NO 5 RES		SW SE 19 190S 0560W	1927	300.0000	C	482	482.09 AF	02/03/1927	08/30/1922	07/05/1901
E7	46	5	BOX SPRINGS NO 5 RES ENL		SW SE 19 190S 0560W	1927	440.0000	C	57	57.23 AF	02/03/1927	08/30/1922	08/11/1908
E8	4	1	TRAINOR WELLS NO 1 11245R	011245R	SW NW 27 190S 0560W M 2842	37336.00000	0.4400	C	140	80 IRR 80 ACRES IN COMBO M/TRAINOR WELLS 1,2,3,4,5	12/31/1972		03/22/1952
E8	1	1	TRAINOR WELLS NO 2 11246R	011246R	SW NW 27 190S 0560W M 2842	37336.00000	0.4400	C	140	80 IRR 80 ACRES IN COMBO M/TRAINOR WELLS 1,2,3,4,5	12/31/1972		03/22/1952
E8	2	1	TRAINOR WELLS NO 3 11247R	011247R	SW NW 27 190S 0560W M 2842	37336.00000	0.4400	C	140	80 IRR 80 ACRES IN COMBO M/TRAINOR WELLS 1,2,3,4,5	12/31/1972		03/22/1952
E8	3	1	TRAINOR WELLS NO 4 11248R	011248R	SW NW 27 190S 0560W M 2842	37336.00000	0.4400	C	140	80 IRR 80 ACRES IN COMBO M/TRAINOR WELLS 1,2,3,4,5	12/31/1972		03/22/1952
E8	5	1	EPLER UNDERFLOW-WELL A		SE 27 190S 0560W	1922	2.0000	C		115 IRR 265 ON 115 AC 1941 MAP SHOWS 'NOT IN USE'	08/30/1922	04/08/1905	01/30/1907
E8	8	1	ORDWAY TOWN OF	020728F	SW SE 33 190S 0560W	***	0.0000			WELL ISSUED AS ALT PT TO 15964F, 12690E, 15965			
E8	7	1	ORDWAY WELLS NO 1	015964F	SW SE 33 190S 0560W	1192	0.2200	C		P-15964R MUM 100GPM ABS	12/31/1972		07/01/1933
E8	10	2	TRAINOR WELLS NO 5	011250R	SW SE 34 190S 0560W NO DECREE	9999.99999	0.0000						
E8	9	1	TRAINOR WELLS NO 6	011249R	SW SE 34 190S 0560W M 2842	38970.00000	0.8900	C	285	*** IRR 80 ACRES IN COMBO M/TRAINOR WELLS 1,2,3,5	12/31/1972		03/22/1951
E8	12	1	ORDWAY TOWN OF WELLS NO 2 1006RF	012690F	NE NE 4 200S 0560W M 1192	30497.00000	0.1000	C	60	P-15965R MUM 80 GPM ABS 100GPM COND	12/31/1972		07/01/1933
E8	13	1	ORDWAY WELLS NO 3	015965F	NE NE 4 200S 0560W M 1192	30497.00000	0.1780	C		ISSUED AS ALT PT TO ORDWAY WELLS 1,2,3	12/31/1972	12/31/1971	10/01/1959
E8	28	1	ORDWAY TOWN OF STORAGE	020723F	NE NE 4 200S 0560W M 1192	44559.40085	0.7300	A	125		12/31/1972		07/01/1933
E8	13	1	ORDWAY TOWN OF		NW NE 4 200S 0560W	***	0.0000						
E8	16	1	SCHIRO WELLS NO 4	095445	SE NE 28 200S 0560W M 2999	38075.00000	0.0550	C		P-95445 STOCK 25 GPM	12/31/1972		03/31/1954
D4	14	5	ALFALFA DITCH		19 140S 0570W CA 416	36478.00000	20.0600	C	300		08/15/1960	02/03/1927	11/15/1949
D4	6	1	T J MILLER FEEDER	019704F	NE 32 140S 0570W CA 416	32718.00000	0.7800	C	150	65 .7ACFS MAKE ABS IN W3948 240 5 CFS LEFT 7CFS ABANDONED	08/15/1960	02/03/1927	07/31/1939
D4	7	5	T J MILLER WEST		NE 32 140S 0570W CA 416	33449.00000	5.0000	C			08/15/1960	02/03/1927	07/31/1941
D4	8	1	T J MILLER EAST DITCH		33 140S 0570W CA 416	35640.00000	20.0000	C			08/15/1960	02/03/1927	07/31/1941
D4	10	1	MORRIS GEORGE WELLS NO 1	003739F	SW SW 33 140S 0570W M 2085	41180.00000	1.3000	C			12/31/1972		09/30/1962
D4	11	1	MORRIS GEORGE WELLS NO 2	009562E	SW SW 3 150S 0570W M 2085	41088.00000	2.2000	C			12/31/1972		06/30/1962
E4	11	1	MORRIS GEORGE WELLS NO 4	003644F	SW SW 3 150S 0570W M 2085	42058.00000	2.2000	C			12/31/1972		06/30/1962
E4	3	1	RUSSELL WELLS NO 4	019145F	NW SE 11 150S 0570W CA 416	36705.00000	3.5000	C		*** 4 RUSSELL WELLS IRRIGATE 280 ACRES	08/15/1960	02/03/1927	06/30/1950
E4	2	1	RUSSELL WELLS NO 2	022146F	SE SE 11 150S 0570W CA 416	36237.00000	1.2000	C	150	*** 4 RUSSELL WELLS IRRIG 280 ACRES SEE W4584 BOCH30	08/15/1960	02/03/1927	03/19/1949
D4	12	1	RUSSELL WELLS NO 1	017597F	NW SW 11 150S 0570W CA 416	36146.00000	1.2000	C	720	280 4 RUSSELL WELLS IRRIGATE 280 ACRES	08/15/1960	02/03/1927	12/18/1948
D4	13	1	RUSSELL WELLS NO 3	017598F	NW SW 11 150S 0570W CA 416	36705.00000	1.5000	C	480	*** 4 RUSSELL WELLS IRRIGATE 280 ACRES SEE 79CMI34	08/15/1960	02/03/1927	06/30/1950

TABLE-2 (Contd.)
Listing of Decreed Surface Water Rights and Undecreed Nonexempt Wells By Location

MAP	WOMB TYPE USE CODES ON STRU MAP	WATER RIGHT OR WELL NAME	PERMIT NO. Q10 Q40 Q160 SEC TOWN RES BRIF	CASE NUMB	ADMIN NUMBER	DECREASE AMOUNT IN LIMIT	IRRIC	DECREASE INFORMATION	APPROXIMATE	APPROPRIATE
D8	1		NO PERMIT							
Z8	14					2.4000 C				
	5	CROOKS, CHARLES WELL NO 3 HOPE LAKE RES		1922	22436.00000	98.5000 A	99	98.50 AF MULTIPLE DIVERSION PTS	08/30/1922	04/08/1905
E8	15			1927	26539.22941				02/03/1927	08/30/1922
C3	5	HOPE LAKE RES.				96.0000 A	96		02/03/1927	08/30/1922
D4	1	GAMMON DITCH		416	28157.25307	3.5000 C			08/15/1960	02/03/1927
C4	17	SQUARE BLUFFS DITCH PREISSER WELL NO 7		3890	44900.00000	2.0000 C			08/15/1960	02/03/1927
C4	22					1.5500 C			12/31/1972	12/31/1971
C4	14	PREISSER WELL NO 12		3890	44895.00000	1.2700 C	570	P-9202-F	12/31/1972	12/31/1971
D4	2	PREISSER WELL NO 13		3890	44896.00000	0.6700 C			12/31/1972	12/31/1971
D4	3	PREISSER WELL NO 14		3890	44897.00000	0.6100 C			12/31/1972	12/31/1971
C4	18	PREISSER WELL NO 15		3890	44898.00000	1.1100 C			12/31/1972	12/31/1971
C4	22	FORBES WELL NO 1		182	32177.00000	0.9500 C	300	P-187004 IRR 425 GPM ABS NTE	12/31/1972	12/31/1971
C4	21	PREISSER WELL NO 6		2545	44664.00000	0.0220 C			12/31/1972	12/31/1971
C4	20	PREISSER WELL NO 5	9242R	2545	43660.00000	0.8800 C	240	P-5667F 10 GPM	12/31/1972	04/14/1972
C4	25	PREISSER WELL NO 11	9244F	2545	44893.00000	1.0400 C	240	P-9264-F	12/31/1972	07/15/1969
C4	29	PREISSER WELL NO 1		2545	43630.00000	1.6700 C	2500	P-9195-F WELLS 1-15 NTE	12/31/1972	12/31/1971
C4	28	PREISSER WELL NO 2		2545	43660.00000	3.3300 C	2500	P-9196-F	12/31/1972	06/15/1969
C4	23	PREISSER WELL NO 9		3890	44895.00000	1.0000 C			12/31/1972	12/31/1971
C4	19	PREISSER WELL NO 4		2545	42256.00000	1.7700 C	800	P-9200-F	12/31/1972	07/15/1969
C4	26	PREISSER WELL NO 10		3890	44898.00000	1.7700 C			12/31/1972	12/31/1971
C4	27	PREISSER WELL NO 8		3890	44896.00000	2.0000 C			12/31/1972	12/31/1971
C4	24	PREISSER WELL NO 3		2545	42256.00000	4.4400 C	1600	P-9199-F PERMITTED LOCAT SESE	12/31/1972	11/22/1972
D4	4	SIDES RESERVOIR		416	37468.00000	8.3500 A	8.5	SSE25 1145 R59W	08/15/1960	02/03/1927
C4	30	THURLOW LAND EAST DITCH		416	28157.25307	9.0000 C			08/15/1960	02/03/1927
C5	1	BRETT GRAY RES		416	28157.25307	254.0000 A	254	240 6 DITCHES DIVERT A TOTAL OF 9CFS TOTAL ON 240 AC	08/15/1960	02/03/1927
C5	2	THURLOW LAND WEST DITCH		416	28157.25307	2.5000 C			08/15/1960	02/03/1927
C5	3	THURLOW RESERVOIR "F"		416	28157.25307	13.5000 A	14	200 2.5 CFS IRR ON 200 AC	08/15/1960	02/03/1927
C5	5	THURLOW RESERVOIR "N"		416	28157.25307	6.0000 A	6	35 13.5 AF IRR ON 35 AC	08/15/1960	02/03/1927
D5	3	COLLINS NO 1 DITCH		416	28157.25307	2.0000 A	2	100 6 AF IRR ON 100 AC	08/15/1960	02/03/1927
D5	2	COLLINS RESERVOIR NO 1		416	28157.25307	4.0000 C			08/15/1960	02/03/1927
C5	6	GORDON RESERVOIR		416	28157.25307	84.0000 A	84	15 2 AF IRR ON 15 AC	08/15/1960	02/03/1927
D5	5	DENNING NO 1 DITCH		416	28157.25307	670.0000 A	670	160 4 CFS IRR DOM ON 160 AC	08/15/1960	02/03/1927
D5	6	DENNING NO 2 DITCH		416	28157.25307	2.0000 C			08/15/1960	02/03/1927
D5	4	BRETT GRAY NO 1 DITCH		416	28157.25307	2.0000 C			08/15/1960	02/03/1927
D5	8	RAITH WELL NO 2		2841	31897.00000	18.0000 C			08/15/1960	02/03/1927
C7	1	RAITH WELL NO 3		2841	35144.00000	0.0130 C			08/15/1960	02/03/1927
C7	2	RAITH WELL NO 4		2841	4037.00000	0.0200 C			08/15/1960	02/03/1927
C7	3	GAMBREL SPRING		2841	25932.00000	0.2200 C			08/15/1960	02/03/1927
C7	4	HARMON WELL NO 1		1540	42260.00000	0.0240 C			08/15/1960	02/03/1927
C7	5	HARMON WELL NO 2		1540	25932.00000	0.0011 C			08/15/1960	02/03/1927
C8	1	HARMON WELL NO 3		1540	42260.00000	0.0044 C			08/15/1960	02/03/1927
B3	2	VIADUCT NO 2 & RESERV		1922	20186.18050	5.0000 C	50	P-86999 HOUSE 2 GPM ABS	12/31/1972	09/14/1965
B3	3	DEADMAN'S GULCH RES & D4		1922	20186.18052	2.0000 C	10	P-87000 STOCK 4 GPM ABS	12/31/1972	12/31/1920
B3	7	COLUMBUS RESERVOIR		1922	20186.18056	0.0000 C	31	100 5 CFS & 50 AF ON 100 AC	08/30/1922	04/08/1905
B3	8	SOUTH SIDE DITCH		1922	20186.18056	4.0000 C		40 2 CFS & 10 AF ON 40 ACRES	08/30/1922	04/08/1905
B3	13	MAYHEW WELL P-NO 12202 (K1F FORM)		841	43108.00000	0.9000 C	288	80 IRR 31.1 AF COMBINED SYS W/ HEADWATER RES	08/30/1922	04/08/1905
								HEADWATER COLUMBUS RES ON 110 AC	12/31/1972	01/10/1968

TABLE-2 (Contd.)
Listing of Decreased Surface Water Rights and Undeclared
Nonexempt Wells By Location

MAP	WELL	TYPE	CODE	WATER	RIGHT	OR	WELL	NAME	PERMIT	NO.	Q10	Q40	Q160	SEC	TOWN	RNG	CLSE	ADMIN	DECREASE	AMOUNT	W	LIMIT	IBRIG	DECREASE	INFORMATION	ADJUST	PAID	DATE	APPROPRIATE						
NO.	NO.																	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.						
B6	6	1	89	ANDERSON	WELL	NO	8		090311	SW	9	170S	0590M	W	2086				0.0330	C				P-90311	S & DOM	0.033	CFS	ABS	12/31/1972	01/13/1958					
B6	7	1	89	ANDERSON	WELL	NO	9		090312	SW	9	170S	0590M	W	2086				0.0640	C				P-90312	S & DOM	0.066	CFS	ABS	12/31/1972	01/13/1958					
B6	8	1	89	ANDERSON	WELL	NO	1		090306	NW	10	170S	0590M	W	2086				0.0330	C				P-90306	STOCK	0.033	CFS	ABS	12/31/1972	10/11/1968					
B6	9	1	89	ANDERSON	WELL	NO	6		090309	NE	16	170S	0590M	W	2086				0.0330	C				P-90309	S & DOM	0.033	CFS	ABS	12/31/1972	09/10/1959					
A2	4	4		NIKOLAI,	LEONARD	(K* FORM)			090310	SW	8	120S	0600M	NO	DECREE	99999	99999		0.0000	C				P-90310	S & DOM	0.033	CFS	ABS	12/31/1972	09/10/1959					
B3	1	5	10	CUTLER	DITCH &	RESERV			024010F	SW	36	120S	0600M	NO	DECREE	99999	99999		0.0000	C															
B3	6	5	10	HEADWATER	RESERVOIR						1	130S	0600M	1922	20186	18050			1.0000	C															
B3	5	1	1	RICHARDSON	WELL	NO	3		010299F	SW	1	130S	0600M	1922	20186	18056			0.0000	C															
B3	10	1	1	RICHARDSON	WELL	NO	1		010300F	SW	2	130S	0600M	W	3971	44925	42269		2.0000	C															
B3	11	1	1	RICHARDSON	WELL	NO	2		010296F	SW	2	130S	0600M	W	3971	44925	42269		2.3300	C															
B3	9	1	1	RICHARDSON	WELL	NO	4		010298F	SW	2	130S	0600M	W	3971	44925	42269		2.0000	C															
B3	4	3	1	WHITNEY	WELL	P-NO	1131 (K* FORM)		001131R	NW	4	130S	0600M	W	829	37010	00000		1.0300	C															
B3	12	1	1	JAMESON,	DALE				011217F	E	10	130S	0600M	W	1411	42829	00000		1.0700	C															
B3	21	1	19	ORCUTT	WELL	NO	7		021890F	SW	24	130S	0600M	W	1710	4145	00000		0.0330	C															
A3	4	1	89	JACOBSON	WELL	NO	7		023345	SE	32	130S	0600M	W	3184	18627	00000		0.1670	C															
A3	3	1	89	JACOBSON	WELL	NO	6		023345	NW	33	130S	0600M	W	3184	18627	00000		0.0330	C															
B4	2	1	89	JACOBSON	WELL	NO	5		024223F	SW	33	130S	0600M	W	3184	18627	00000		0.0330	C															
B3	29	4	1	CLAY,	JAMES	(K1F)			024223F	SW	35	130S	0600M	NO	DECREE	99999	99999		0.0330	C															
B4	2	1	89	JACOBSON	WELL	NO	2		049045	NE	4	140S	0600M	NO	DECREE	99999	99999		0.0000	C															
A4	1	1	89	JACOBSON	WELL	NO	4		049045	SW	4	140S	0600M	W	3184	18627	00000		0.1100	C															
A4	3	1	89	JACOBSON	WELL	NO	3		049167	SW	4	140S	0600M	W	3184	18627	00000		0.0330	C															
A4	2	1	8	DINELLO,	LEE				049167	NE	5	140S	0600M	W	3184	18627	00000		0.0330	C															
B4	5	1	89	JACOBSON	WELL	NO	1		040759	NE	14	140S	0600M	W	3598	44559	44432		0.0330	C															
B6	1	1	9	ANDERSON	WELL	NO	2		090307	SW	36	160S	0600M	W	2086	3444	00000		0.1100	C															
B6	2	1	9	ANDERSON	WELL	NO	3		090307	SW	36	160S	0600M	W	2086	3444	00000		0.0330	C															
A3	1	4	189	SHARPE,	RONALD	(K*)			025486F	SW	23	170S	0610M	NO	DECREE	99999	99999		0.0330	C															
A3	2	4	1	HULSE,	LARRY	(TKG FORM)			031946F	SW	10	130S	0610M	NO	DECREE	99999	99999		0.0000	C															
A4	5	1	189	SALSBUARY	WELL	NO	1		021778F	NE	9	140S	0610M	NO	DECREE	99999	99999		0.0000	C															
A4	4	1	189	SALSBUARY	WELL	NO	2		021779F	SW	9	140S	0610M	W	1676	26220	00000		0.0700	C															

TABLE 3

Listing of Decreed Surface Water Rights
and Undecreed Nonexempt Wells by Name

EXPLANATION OF USE CODES

0	storage
1	irrigation
2	municipal
8	domestic
9	stock

EXPLANATION OF STRUCTURE TYPES

1	adjudicated alluvial well
2	unadjudicated high capacity alluvial well
3	adjudicated bedrock well
4	unadjudicated high capacity bedrock well
5	adjudicated surface water right

TABLE-3 (Contd.)
Listing of Decreased Surface Water Rights and Undecreed
Nonexempt Wells By Name

MAP	WELL TYPE	USE CODES	WATER RIGHT OR WELL NAME	PERMIT NO.	Q10	Q10	Q160	SEC	TOWN	RNG	CLSE	ADMIN NUMBER	DECREASED AMOUNT	ANNUAL ACRES	DECREASE INFORMATION	ADJUDICATE	REDATE	APPROPRIATE	
													AMOUNT	LIMIT	INRIG				
													I	T	S				
E7	38	1	18	012137R	SW	SE	7	190S	0560M	W	879	28854.00000	0.0000	***	***	P-12134-37R I.D. 0.71 CFS NTE 224 AF/YR	12/31/1972	12/31/1928	
E7	44	1	18	021057F	NW	NE	18	190S	0560M	W	879	23831.00000	0.6900	C	224	P-021055-P-021060 I.D. 0.69 CFS NTE 224 AF/YR	12/31/1972	04/01/1915	
E7	44	1	18	021060F	NW	NE	18	190S	0560M	W	879	23831.00000	0.0000	***	***	P-021055-P-021060 I.D. 0.69 CFS NTE 224 AF/YR	12/31/1972	04/01/1915	
E7	44	1	18	021059F	NW	NE	18	190S	0560M	W	879	23831.00000	0.0000	***	***	P-021055-P-021060 I.D. 0.69 CFS NTE 224 AF/YR	12/31/1972	04/01/1915	
E7	44	1	18	021056F	NW	NE	18	190S	0560M	W	879	23831.00000	0.0000	***	***	P-021055-P-021060 I.D. 0.69 CFS NTE 224 AF/YR	12/31/1972	04/01/1915	
E7	44	1	18	021058F	NW	NE	18	190S	0560M	W	879	23831.00000	0.0000	***	***	P-021055-P-021060 I.D. 0.69 CFS NTE 224 AF/YR	12/31/1972	04/01/1915	
E7	44	1	18	021055F	NW	NE	18	190S	0560M	W	879	23831.00000	0.0000	***	***	P-021055-P-021060 I.D. 0.69 CFS NTE 224 AF/YR	12/31/1972	04/01/1915	
E7	41	1	18	012138R	NE	NW	18	190S	0560M	W	879	23740.00000	0.2660	C	85	P-12138R I.D. 0.266 CFS NTE 85 AF/YR	12/31/1972	12/31/1914	
E7	43	1	18	012139R	NW	NW	18	190S	0560M	W	879	29340.00000	0.1900	C	64	P-12139R I.D. 0.19 CFS NTE 64 AF/YR	12/31/1972	05/01/1930	
E7	42	1	1	012140R	NW	NE	18	190S	0560M	W	879	29340.00000	0.2550	C	82	P-12140R I.D. 0.255 CFS NTE 82 AF/YR	12/31/1972	05/01/1930	
E7	22	1	89	010098R	SW	SW	31	180S	0560M	W	880	39537.00000	0.0640	C	40	P-10096 D.S. 0.064 CFS NTE 140 AF/YR	12/31/1972	04/01/1958	
E7	14	1	1	010097R	SW	SW	29	180S	0560M	W	880	38928.00000	0.4400	C	140	IRR, 0.44 CFS NTE 140 AF/YR	12/31/1972	08/01/1956	
E7	20	1	89	036252	SW	SW	31	180S	0560M	W	880	28855.00000	0.0220	C	40	P-36252 D.S. 0.022 CFS NTE 140 AF/YR	12/31/1972	01/01/1929	
E7	21	1	89	056253	SW	SW	31	180S	0560M	W	880	28855.00000	0.0330	C	40	P-36253 D.S. 0.033 CFS NTE 140 AF/YR	12/31/1972	01/01/1929	
E7	19	1	1	010092R	SE	SE	31	180S	0560M	W	880	23435.00000	0.7550	C	240	PERMIT 10091-10095 IRR, 0.755CFS NTE 240 AF/YR	12/31/1972	03/01/1914	
E7	19	1	1	010093R	SE	SE	31	180S	0560M	W	880	23435.00000	0.0000	***	***	PERMIT 10091-10095 IRR, 0.755CFS NTE 240 AF/YR	12/31/1972	03/01/1914	
E7	19	1	1	010091R	SE	SE	31	180S	0560M	W	880	23435.00000	0.0000	***	***	PERMIT 10091-10095 IRR, 0.755CFS NTE 240 AF/YR	12/31/1972	03/01/1914	
E7	19	1	1	010094R	SE	SE	31	180S	0560M	W	880	23435.00000	0.0000	***	***	PERMIT 10091-10095 IRR, 0.755CFS NTE 240 AF/YR	12/31/1972	03/01/1914	
E7	19	1	1	010095R	SE	SE	31	180S	0560M	W	880	23435.00000	0.0000	***	***	PERMIT 10091-10095 IRR, 0.755CFS NTE 240 AF/YR	12/31/1972	03/01/1914	
E7	37	1	18	036255	SW	SE	7	190S	0560M	W	879	28123.00000	0.0880	C	28	P-36255 I.D. 0.088CFS NTE 28 AF/YR	12/31/1972	12/31/1926	
B3	29	4	1	024923F	SW	NE	35	130S	0600M	NO	DECREZ	99999.99999	0.0000	C	3	160 4 CFS IRR DOM ON 160 AC	08/15/1960	02/03/1927	
D5	2	5	18		SE	SE	27	150S	0580M	CA	416	28157.25307	4.0000	C	84	84 AF IRR DOM	08/15/1960	02/03/1927	
D5	2	5	180		SE	SW	36	160S	0570M	W	198	41088.00000	2.2200	C	710	P-3645F NTE 710 AF/YR	07/09/1971	04/16/1919	
E6	2	1	1	003645F	SE	SW	36	160S	0570M	W	198	41088.00000	2.2200	C	710	P-3645F NTE 710 AF/YR	07/09/1971	04/16/1919	
B3	7	5	10				6	130S	0590M		1922	20186.18056	0.0000	C	31	80 IRR 31.1 AF COMBINED SYS W/ HEADWATER RES	08/30/1922	04/08/1905	
B3	23	1	1	009570F	NE	NW	29	130S	0590M	W	1745	43220.00000	0.8800	C	282	80 262 AF LIMIT 80AC IRR	12/31/1973	05/01/1968	
B3	22	1	1	009571R	NW	NW	29	130S	0590M	W	1745	43204.00000	1.7800	C	570	280 1.78CFS ABS, 0.44CFS COND 570 AF LIMIT	12/31/1973	04/18/1968	
D7	8	1	1		SW	SE	22	190S	0570M		1922	21946.00000	1.6000	C	80	IRR 1.6 CFS ON 80 AC	08/30/1922	04/08/1905	
D7	6	1	1		NO	PERMIT						22436.00000	2.4000	C			08/30/1922	04/08/1905	
D7	1	1	1		NO	PERMIT						22436.00000	2.4000	C			08/30/1922	04/08/1905	
D7	7	1	1		NO	PERMIT						22436.00000	2.4000	C			08/30/1922	04/08/1905	
B3	1	5	10		NO	PERMIT						23101.00000	0.4000	C			08/30/1922	04/08/1905	
E6	32	1	189	021695F	SE	NE	30	170S	0560M	W	1586	20186.18050	1.0000	C	10	30	P-21695F D.I.S 1.55 CFS, NTE 495 AF/YR	08/30/1922	04/08/1905
E6	33	1	189	021696F	SE	NE	30	170S	0560M	W	1586	39446.00000	0.0330	C	10		12/31/1972	12/31/1957	
E6	34	1	1	021697F	SE	NE	30	170S	0560M	W	1586	30315.00000	0.0330	C	10		12/31/1972	12/31/1932	
E6	31	1	189	021698F	NE	NE	30	170S	0560M	W	1586	32141.00000	0.0330	C	10		12/31/1972	12/31/1937	

TABLE-3 (Contd.)
Listing of Decreased Surface Water Rights and Undecreed
Nonexempt Wells By Name

MAP	WINDS TYPE USE CODES ON STRIP MAP	WATER RIGHT OR WELL NAME	PERMIT NO. Q10 Q40 Q160 SEC TOWN RANG SHIP	CAFE RONS	ADMIN NUMBER	DECREASE IN ANNUAL ACRE AMOUNT M LIMIT IRRIG	DECREAS INFORMATION	ADJDATE	PADDATE	APPRODATE
E7	28 5 18	DEAD HORSE CREEK DITCH	2 190S 0570M	1922	20636.00000	11.5000 C	3000 IRR 11.5 CFS ON 3000 AC	08/30/1922	04/08/1905	07/02/1906
B3	3 5 10	DEADMANS GULCH RES & D4	32 120S 0590M	1922	20186.18052	2.0000 C	40 2 CFS & 10 AF ON 40 ACRES	08/30/1922	04/08/1905	06/04/1909
D5	6 5 1	DENNING NO 1 DITCH	SW NE 1 160S 0580M CA 416		28157.25307	2.0000 C	60 NTE 2 CFS IRR ON 60 AC	08/15/1960	02/03/1927	04/16/1919
A4	2 1 8	DENNING NO 2 DITCH	SW NE 1 160S 0580M CA 416		28157.25307	2.0000 C	70 NTE 2 CFS IRR ON 70 AC	08/15/1960	02/03/1927	04/16/1919
C3	3 2 8	DINELLO, LEE	NE SE 5 140S 0600M W 3598		44559.44432	0.0330 C	P-15528 DOM 0.033 CFS ABS	12/31/1972	12/31/1971	08/26/1971
C5	8 1 8	DREW JESS	NW NW 22 130S 0590M NO DECREE		99999.99999	0.0000 C	OLD DOMESTIC NO IRRIGATION			
		EICHMAN WELL NO 1	NW SW 14 160S 0590M W 3752		24695.00000	0.0450 C	NO PERMIT NO. GIVEN HOUSEHOLD	12/31/1974		08/12/1917
C5	10 1 9	EICHMAN WELL NO 2	SW SE 24 160S 0590M W 3752		44466.00000	0.0110 C	NO PERMIT NO. GIVEN STOCK 5	12/31/1974		09/29/1971
C5	9 1 9	EICHMAN WELL NO 3	SE NW 24 160S 0590M W 3752		44018.00000	0.0111 C	GPM	12/31/1974		07/08/1970
C5	7 1 9	EICHMAN WELL NO 4	SE NW 10 160S 0590M W 3752		43892.00000	0.0110 C	NO PERMIT NO GIVEN STOCK 5 GPM	12/31/1974		03/04/1970
E8	5 1 1	EFLER UNDERFLOW-WELL A	SE SE 27 190S 0560M	1922	20848.00000	2.0000 C	115 IRR 2CFS ON 115 AC 1941 MAP	08/30/1922	04/08/1905	01/30/1907
C4	22 1 1	FORBES WELL NO 1	27 140S 0580M W 1182		32177.00000	0.9500 C	27 P-187004 IRR 425 GPM ABS NTE	12/31/1972		02/05/1938
E5	5 5 1	FORDER DITCH NO 1	NE NW 31 150S 0560M CA 416		28157.25307	10.0000 C	300 AF/YR ON 26.5 AC	08/15/1960	02/03/1927	04/16/1919
E5	4 1 1	FORDER DITCH NO 14 PUMPING PLANT	NE NW 31 150S 0560M CA 416		25307.00000	10.0000 C	ADDITION TO PUMPING PL	08/15/1960	02/03/1927	04/16/1919
E5	2 5 1	FORDER DITCH NO 2	NE NW 31 150S 0560M CA 416		28157.25307	10.0000 C	200 NTE 10 CFS THIS DITCH IS AN	08/15/1960	02/03/1927	04/16/1919
E5	3 1 1	FORDER DITCH NO 2 & PUMPING PLANT	NE NW 31 150S 0560M CA 416		25307.00000	10.0000 C	ADDITION TO PUMPING PL	08/15/1960	02/03/1927	04/16/1919
E5	6 1 1	FORDER DITCH NO 3 & PUMPING PLANT	NE NE 6 160S 0560M CA 416		25307.00000	20.0000 C	200 NTE 10 CFS	08/15/1960	02/03/1927	04/16/1919
C7	5 5 9	GAMBREL SPRING	NW NW 9 190S 0580M W 3477		44559.25932	0.0260 C	12 GPM	12/31/1972	12/31/1971	12/31/1920
C3	5 5 1	GAMMON DITCH	34 130S 0580M CA 416		28157.25307	3.5000 C	90 3.5 CFS	08/15/1960	02/03/1927	04/16/1919
C5	6 5 10	GORDON RESERVOIR	SE NE 28 150S 0580M CA 416		28157.25307	670.0000 A	670 670 AF ON 670 AC	08/15/1960	02/03/1927	04/16/1919
C7	6 1 9	HARSON WELL NO 1	NE NE 21 190S 0580M W 1540		27927.00000	0.0011 C	P-84993 STOCK 0.5 GPM ABS	12/31/1972		09/14/1965
C7	7 1 8	HARSON WELL NO 2	NE NE 21 190S 0580M W 1540		42260.00000	0.0044 C	P-84999 HOUSE 2 GPM ABS	12/31/1972		09/14/1965
C8	1 1 89	HARSON WELL NO 3	SW SW 28 190S 0580M W 1540		25932.00000	0.0080 C	P-87000 STOCK 4 GPM ABS	12/31/1972		12/31/1920
R3	6 5 10	HEADWATER RESERVOIR	1 130S 0400M	1922	20186.18056	0.0000 C	IRR 10 AF	08/30/1922	04/08/1905	06/08/1899
D7	1 1 9	HENDRIX WELL NO 1 61578	SW NE 19 180S 0570M 82CM 47		48212.44559	0.0330 C	1(2)WELLS	12/31/1982	12/31/1981	12/31/1972
E6	38 1 1	HIXSON DITCH & PUMP PLANT	NW NE 33 170S 0560M CA 416		32266.00000	4.0700 C	200 COMBINED PUMPING PLANTS 1, 2, 3	08/15/1960	02/03/1927	05/05/1938
E6	35 1 18	HIXSON DITCH & PUMP PLANT	NW SE 28 170S 0560M CA 416		32266.00000	4.0700 C	IRRIG 200AC TOT	08/15/1960	02/03/1927	05/05/1938
E6	37 1 1	HIXSON DITCH & PUMP PLANT	SE SW 28 170S 0560M CA 416		32266.00000	4.0700 C	IRRIG 200AC TOT	08/15/1960	02/03/1927	05/05/1938
E6	40 1 1	HIXSON DITCH NO 1 & PUMPING PLANT	SW NW 33 170S 0560M CA 416		36237.00000	2.4800 C	200	08/15/1960	02/03/1927	03/19/1949
E7	3 1 1	HIXSON DITCH NO 2 AND PUMP	NW NW 20 180S 0560M CA 416		36237.00000	2.4800 C	90 NTE 2.48 CFS	08/15/1960	02/03/1927	03/19/1949
E7	4 1 1	HIXSON PUMP & TILE LINE	NW NW 20 180S 0560M CA 416		36305.00000	1.4400 C	90 NTE 1.44 CFS	08/15/1960	02/03/1927	05/26/1949
E6	14 1 18	HIXSON RANCH WELL NO 10	NW NW NE 8 170S 0560M CA 416		36720.00000	1.0000 C	120 NTE 1.0 CFS IRR DOM ON 120 AC	08/15/1960	02/03/1927	07/15/1950
E6	16 1 18	HIXSON RANCH WELL NO 11	SE NW NE 8 170S 0560M CA 416		36723.00000	2.4000 C	240 NTE 2.4 CFS IRR STOCK ON 240 AC	08/15/1960	02/03/1927	07/15/1950
E6	18 1 19	HIXSON RANCH WELL NO 12	SW NW NW 9 170S 0560M CA 416		36740.00000	3.0000 C	720 NTE 3.0 CFS IRR STOCK ON 720 AC	08/15/1960	02/03/1927	08/04/1950
E6	22 1 19	HIXSON RANCH WELL NO 13	NW SW SW 9 170S 0560M CA 416		36742.00000	3.5000 C	*** NTE 3.5 CFS IRR STOCK ON 720 AC P.L. NW NW NW SEC9	08/15/1960	02/03/1927	08/06/1950
E6	23 1 19	HIXSON RANCH WELL NO 14	SW SW SW 9 170S 0560M CA 416		36744.00000	4.0000 C	*** NTE 4.0 CFS IRR STOCK ON 720 AC	08/15/1960	02/03/1927	08/08/1950
E6	36 1 18	HIXSON RANCH WELL NO 6	NW SE SW 28 170S 0560M CA 416		36588.00000	2.2000 C	90 NTE 2.2 CFS IRR DOM ON 90 TO	08/15/1960	02/03/1927	03/05/1950
E6	30 1 18	HIXSON RANCH WELL NO 7	SW SW SE 21 170S 0560M CA 416		36624.00000	2.6700 C	200 NTE 2.67 CFS IRR DOM 2 WELLS ON 200 AC	08/15/1960	02/03/1927	04/10/1950
E6	17 1 18	HIXSON RANCH WELL NO 8	SE NW NE 8 170S 0560M CA 416		36713.00000	3.3400 C	120 NTE 3.34 CFS IRR DOM ON 120 AC	08/15/1960	02/03/1927	07/08/1950

**TABLE-3 (Contd.)
Listing of Decreed Surface Water Rights and Undecreed
Nonexempt Wells By Name**

MAP NO	WDS NO	TYPE OR STRUC MAP	USE CODES	WATER RIGHT OR WELL NAME	PERMIT NO.	Q16 Q160 SEC TOWNSHIP RANGE	CA COUNTY	ADMIN NUMBER	DECREED AMOUNT OR LIMIT	IRRIG INRIG	DECREE INFORMATION	ACQ DATE	PAID DATE	APPROPRIATE
E6	15	1	1	HIXSON RANCH WELL NO 9	0196825	NE NW NE	8 170S 0560W CA 416	36716.00000	0.6700 C	90 NTE 0.67 CFS IRR ON 80 TO 100 AC	08/15/1960	02/03/1927	07/11/1950	
D5	7	1	1	HOLLINGSWORTH WELL NO 1	013629F	SW NW	4 160S 0570W W-2223	41777.00000	2.2700 C	320 PERMIT LOC SWNW SEC4 T16S R57M	12/31/1972	12/31/1972	05/19/1964	
D5	9	1	1	HOLLINGSWORTH WELL NO 2	013630F	NW NW	19 150S 0570W W-2223	41912.00000	2.0000 C	320	12/31/1972	12/31/1972	10/03/1964	
D5	8	1	1	HOLLINGSWORTH WELL NO 3	022740F	SW SW	4 160S 0570W W 2223	43290.00000	1.3400 C	190	12/31/1972	12/31/1972	07/10/1968	
C4	10	1	1	HOOVER BROS	015733R	NW NW	11 140S 0590W W 540	38466.00000	1.7000 C	320	12/31/1972	12/31/1972	04/26/1955	
C4	10	1	1	HOOVER WELL NO 1	015732R	NW SW	11 140S 0590W W 541	38469.00000	1.8000 C	576	12/31/1972	12/31/1972	04/29/1955	
C4	12	1	1	HOOVER WELL NO 2	013008F	NW NE	14 140S 0590W W 541	43614.00000	1.2000 C	384	12/31/1972	12/31/1972	05/30/1969	
E8	14	5	10	HOPE LAKE RES.		SW SW	12 200S 0570W R327	26539.22941	98.5000 A	99	02/03/1927	08/30/1922	10/23/1912	
E8	15	5	10	HOPE LAKE RES.		SW SW	12 200S 0570W R327	26539.22941	96.0000 A	96	02/03/1927	08/30/1922	10/23/1912	
A3	2	4	1	HULSE, LARRY (Trk Form)	031946F	NE NE	10 130S 0610W NO DECREE	99999.99999	0.0000 C					
C4	7	1	1	HUNT, CHARLES E	017180F	NW NW	11 140S 0590W ***	38469.00000	1.7000 C	544	12/31/1972	12/31/1972	12/31/1972	
B4	5	1	89	JACOBSON WELL NO 1		NE NE	14 140S 0600W W 3184	39446.00000	0.1100 C					
B4	2	1	89	JACOBSON WELL NO 2		NE NE	4 140S 0600W W 3184	18627.00000	0.1100 C					
A4	3	1	89	JACOBSON WELL NO 3		SW SW	4 140S 0600W W 3184	18627.00000	0.0330 C					
A4	3	1	89	JACOBSON WELL NO 4	049045	SW NW	4 140S 0600W W 3184	18627.00000	0.0330 C					
B4	1	1	89	JACOBSON WELL NO 5		SW SW	33 130S 0600W W 3184	37620.00000	0.0330 C					
B4	1	1	89	JACOBSON WELL NO 6	023345	NW NW	33 130S 0600W W 3184	18627.00000	0.0330 C					
A3	3	1	89	JACOBSON WELL NO 7		SE NE	32 130S 0600W W 3184	18627.00000	0.0330 C					
A3	4	1	89	JACOBSON WELL NO 8		SE NE	10 130S 0600W W 3184	18627.00000	0.0330 C					
B3	12	1	1	JAMESON, DALE	031217F	E NE	10 130S 0600W W 3184	42829.00000	1.0700 C	50	12/31/1972	12/31/1972	12/31/1972	
C4	9	1	1	JOHNS WELL NO 1	006426F	SE NE	10 140S 0590W W 711	42134.00000	1.7700 C	576	12/31/1972	12/31/1972	04/06/1967	
C4	5	1	1	JOHNS WELL NO 2	004909F	NE NE	10 140S 0590W W 711	41695.00000	1.7800 C	569	12/31/1972	12/31/1972	05/11/1965	
C4	4	1	1	JOHNS WELL NO 3	012095F	NW NE	10 140S 0590W W 711	40288.00000	1.6800 C	540	12/31/1972	12/31/1972	02/27/1964	
C4	11	1	8	JOHNS WELL NO 4	013040	SW SW	10 140S 0590W W 711	41241.00000	0.0111 C					
C4	6	1	8	JOHNS WELL NO 5	021000	NE NE	10 140S 0590W W 711	41898.00000	0.0220 C					
E5	13	1	1	JOHNSON WELL NO 1	006483F	NW NE	8 160S 0560W W 2697	41972.00000	0.5500 C	176	12/31/1972	12/31/1972	11/30/1964	
E5	7	1	1	JOHNSON WELL NO 2	006484F	SW NW	5 160S 0560W W 2697	41972.00000	0.8800 C	281	12/31/1972	12/31/1972	12/10/1964	
E5	12	1	1	JOHNSON WELL NO 3	006485F	NE NW	8 160S 0560W W 2697	41972.00000	0.5500 C	176	12/31/1972	12/31/1972	12/10/1964	
E5	8	1	1	JOHNSON WELL NO 4	015961R	SE NW	5 160S 0560W W 2697	36159.00000	0.6700 C	214	12/31/1972	12/31/1972	11/30/1964	
D5	16	5	10	KUESTER RESERVOIR (AMENDED)			26 160S 0570W CA 416	37223.00000	23.5000 A	24	08/15/1960	02/03/1927	11/30/1951	
E5	19	1	1	KUESTER WELL NO 1	019107R	SE NW	26 160S 0570W CA 416	32354.00000	1.3400 C	80	08/15/1960	02/03/1927	08/01/1938	
E5	17	1	1	KUESTER WELL NO 2	019107S	SW SW	26 160S 0570W CA 416	35960.00000	0.9000 C	100	08/15/1960	02/03/1927	06/15/1948	
E5	18	1	1	KUESTER WELL NO 3	019107T	SW NE	26 160S 0570W CA 416	36000.00000	1.0000 C	40	08/15/1960	02/03/1927	07/25/1948	
D5	15	1	1	KUESTER WELL NO 4	019107V	SE NE	26 160S 0570W CA 416	36682.00000	1.0000 C	50	08/15/1960	02/03/1927	06/07/1950	
D5	14	1	1	KUESTER WELL NO 5	019107U	SE NW	26 160S 0570W CA 416	31928.00000	0.1700 C	50	08/15/1960	02/03/1927	06/01/1937	
E6	19	1	89	LAY T MILLIRON WELL NO 1	035605	SW NW	7 170S 0560W W 2068	43382.00000	0.0440 C	80	12/31/1972	10/10/1968	03/22/1948	
E6	12	1	1	LAY T MILLIRON WELL NO 2	013953F	NW NW	5 170S 0560W W 2068	35875.00000	1.7800 C	570	12/31/1972	10/10/1968	03/22/1948	
E6	27	1	1	LAY T MILLIRON WELL NO 3	013954F	NW SE	17 170S 0560W W 2068	35875.00000	2.0000 C	640	12/31/1972	12/31/1972	03/22/1948	
D5	10	1	189	LOGAN WELL NO 1 12269R	012269R	NW NE	21 160S 0570W W 1397	36705.00000	1.2000 C	384	12/31/1972	12/31/1972	06/30/1950	
D5	12	1	189	LOGAN WELL NO 2 12270R	012270R	SW NW	22 160S 0570W W 1397	37801.00000	0.7700 C	246	12/31/1972	12/31/1972	06/30/1953	
D5	13	1	189	LOGAN WELL NO 3	021469F	SW NW	22 160S 0570W W 1397	41197.00000	1.3300 C	425	12/31/1972	12/31/1972	10/17/1962	
D5	11	1	189	LOGAN WELL NO 4	021470F	NE NW	22 160S 0570W W 1397	41197.00000	1.6600 C	530	12/31/1972	12/31/1972	10/17/1962	
B3	13	3	1	MAYHEW WELL P-NO 12202 (KIT FORM)	012202F	NW NW	7 130S 0590W W 841	43108.00000	0.9000 C	288	12/31/1972	12/31/1972	01/10/1968	
E6	43	5	1	MCCABE DITCH NO 1			12 180S 0570W W 892	44559.20340	90.0000 C	320	12/31/1972	12/31/1971	09/09/1905	
E7	2	5	1	MCCABE DITCH NO 2			18 180S 0560W W 892	44559.20340	25.0000 C	***	12/31/1972	12/31/1971	09/09/1905	

TABLE-3 (Contd.)
Listing of Decreased Surface Water Rights and Undecreased Nonexempt Wells By Name

MAP	WONG TYPE USE CODES ON STRU MAP	WATER RIGHT OR WELL NAME	PERMIT NO. Q10 Q40 Q160 SEC TOWN R9G SHIP	CASE FONO	ADMIT NUMBER	DECREASE IN ANNUAL ACRES AMOUNT BY LIMIT IRRAIG	DECREASE INFORMATION	ADJUSTS	PADDATE	APPRODATE
E7	11 5 1	MCCABE DITCH NO 3	SE NE 24 180S 0570M W 892	W 892	44559.20340	10.0000 C	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CM7, 85CM46		12/31/1972	09/09/1905
E7	1 5 10	MCCABE RESERVOIR NO 1	NE NE SE 13 180S 0570M W 892	W 892	44559.20340	23.0000 A	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CM7, 85CM46		12/31/1972	09/09/1905
E7	12 5 10	MCCABE RESERVOIR NO 2	NE NE SE 24 180S 0570M W 892	W 892	44559.20340	176.0000 A	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CM7, 85CM46		12/31/1972	09/09/1905
E7	13 5 89	MCCABE SPRING	SE SE 25 180S 0570M 82CK 46		48212.16436	0.0180 C			12/31/1982	12/31/1984
E7	24 1 89	MCCABE-RUSHER WELL NO 1	NE NW 6 190S 0560M W 4057		24836.00000	0.0330 C			12/31/1972	12/31/1972
E7	25 1 89	MCCABE-RUSHER WELL NO 2	NE NW 6 190S 0560M W 4057		38197.00000	0.0330 C			12/31/1972	12/31/1972
E7	26 1 89	MCCABE-RUSHER WELL NO 3	NE NW 6 190S 0560M W 4057		34545.00000	0.0220 C			12/31/1972	07/31/1954
E7	23 1 9	MCCABE-RUSHER WELL NO 4 SPRING	NE NW 1 190S 0570M W 4057		29219.00000	0.0330 C	STOCK 15 GPM		12/31/1972	07/31/1944
E7	27 1 89	MCCABE-RUSHER WELL NO 5	NE NW 6 190S 0560M W 4057		34910.00000	0.0330 C			12/31/1972	12/31/1972
E7	29 1 9	MCCABE-RUSHER WELL NO 6	SE NW 1 190S 0570M W 4057		41789.00000	0.0330 C			12/31/1972	07/31/1945
B3	26 1 1	HENDENHALL, VERLE	SE NE 29 130S 0590M W 1745		42108.00000	1.5500 C	STOCK 15 GPM		12/31/1972	05/31/1964
B3	28 1 1	HENDENHALL, VERLE	NE SW 28 130S 0590M W 1745		42108.00000	1.5500 C	300 496 AF LIMIT 300 AC		12/31/1972	04/15/1965
E5	14 1 1	MORIN R J WELL NO 1	SE NW 33 130S 0590M W 1745		42108.00000	1.5500 C	130 496 AF 130 AC IRR		12/31/1973	04/15/1965
E5	10 1 1	MORIN R J WELL NO 2	SE SW 8 160S 0560M W 1921		33054.00000	1.7150 C	125 547 AF 125 AC IRR		12/31/1973	04/15/1965
E5	9 1 1	MORIN R J WELL NO 3	SE NW 8 160S 0560M W 1921		29401.00000	0.3300 C			12/31/1972	07/01/1940
E5	11 1 1	MORIN R J WELL NO 4	SE NW 5 160S 0560M W 1921		29401.00000	0.4500 C			12/31/1972	07/01/1930
A2	4 4 4	NIKOLAI, LEONARD (K& FORM)	SW NE 8 120S 0560M W 1921		38888.00000	0.2800 C	80		12/31/1972	07/01/1930
D4	8 1 1	MORRIS GEORGE WELL NO 1	SW NE 8 120S 0560M W 1921		38888.00000	0.2800 C	40		12/31/1972	07/01/1930
D4	10 1 1	MORRIS GEORGE WELL NO 2	SW NE 33 140S 0570M W 2085		41180.00000	0.0000 C	144 160		12/31/1972	07/01/1930
D4	11 1 1	MORRIS GEORGE WELL NO 3	SW NE 33 140S 0570M W 2085		41180.00000	1.3000 C			12/31/1972	07/01/1930
E6	39 1 9	NORRIS GEORGE WELL NO 4	SW SW 3 150S 0570M W 2085		41088.00000	2.2000 C	120		12/31/1972	09/30/1962
E6	42 1 9	NUTT WELL NO 1	SW SW 3 150S 0570M W 2085		42058.00000	2.2000 C			12/31/1972	08/30/1962
E6	41 1 9	NUTT WELL NO 2	SE NE 31 170S 0560M W 2392		30315.00000	0.0330 C	P-95185 DOM 15 GPM		12/31/1972	02/24/1971
E6	41 1 9	NUTT WELL NO 3	SE NE 6 180S 0560M W 2392		32506.00000	0.0220 C	P-95186 STOCK 10GPM		12/31/1972	12/31/1932
B3	15 1 1	ORCUTT WELL NO 1	SE SW 32 170S 0560M W 2392		34598.00000	0.0220 C	P-95187 STOCK 10 GPM		12/31/1972	12/31/1938
B3	16 1 1	ORCUTT WELL NO 2	NE NE 17 130S 0590M W 254		37026.00000	0.3330 C	P-16171R IRR 0.333 CFS NTE 107 AF/YR		12/31/1972	12/31/1944
B3	19 1 1	ORCUTT WELL NO 3	NE NE 17 130S 0590M W 254		37026.00000	0.3330 C	P-16172R IRR 0.333 CFS NYE 107 AF/YR		12/31/1971	05/17/1951
B3	20 1 1	ORCUTT WELL NO 4	SW NW 20 130S 0590M W 254		42715.00000	2.1110 C	P-11354-F IRR 2.111 CFS NTE		12/31/1971	12/13/1966
B3	24 1 19	ORCUTT WELL NO 6	NE SW 20 130S 0590M W 254		44249.00000	1.7770 C	675 160 P-11354-F IRR 2.111 CFS NTE		12/31/1971	12/13/1966
B3	21 1 19	ORCUTT WELL NO 7	NE SW 20 130S 0590M W 254		44249.00000	1.7770 C	675 AF/YR PL NE SW		12/31/1971	12/13/1966
E8	8 1 2	ORDWAY TOWN OF	NW SW 30 130S 0590M W 1710		44145.00000	0.0266 C	140 P-015384-F IRR 1.777 CFS NTE 566 AF/YR		12/31/1971	02/24/1971
E8	8 1 2	ORDWAY TOWN OF	SW SE 24 130S 0600M W 1710		44145.00000	0.0330 C			12/31/1971	11/12/1970
E8	11 1 2	ORDWAY TOWN OF	SW SE 33 190S 0560M ***		30497.00000	0.0000 C			12/31/1971	11/12/1970
E8	28 1 20	ORDWAY TOWN OF STORAGE	NW NE 4 200S 0560M ***		30497.00000	0.0000 C	WELL ISSUED AS ALT PT TO 15964F, 12690F, 15965		12/31/1972	12/31/1971
E8	12 1 2	ORDWAY TOWN OF WELL NO 2	NE NE 4 200S 0560M W 1192		44559.40085	0.7300 A	ISSUED AS ALT PT TO ORDWAY WELLS 1, 2, 3		12/31/1972	10/01/1959
E8	13 1 2	ORDWAY TOWN OF WELL NO 3	NE NE 4 200S 0560M W 1192		30497.00000	0.1000 C			12/31/1972	07/01/1933
E6	28 2 1	OWENS E J WELL NO 1	SW SE 33 190S 0560M W 1192		30497.00000	0.1780 C			12/31/1972	07/01/1933
E6	24 2 1	OWENS E J WELL NO 2	NE NE 18 170S 0560M W 2068		99999.99999	1.7800 C	P-15964R MUN 100GPM ABS		12/31/1972	05/31/1952
B3	27 1 1	PAYNE ALBERT A	NE NE 18 170S 0560M W 2068		99999.99999	1.6700 C	P-15965R MUN 80 GPM ABS		12/31/1972	07/01/1933
B3	25 1 1	PAYNE ALBERT A	NE NE 33 130S 0590M W 1097		42139.00000	3.3400 C	100GPM COND		12/31/1972	05/31/1956
D6	5 1 9	PELSTER WELL NO 1	SW NW 28 130S 0590M W 1097		42139.00000	1.6700 C			12/31/1972	05/16/1965
D6	4 1 9	PELSTER WELL NO 2	SW SE 3 180S 0570M W 1541		25932.00000	0.0330 C			12/31/1972	05/16/1965
D6	1 1 8	PELSTER WELL NO 3	NE NE 4 180S 0570M W 1541		31254.00000	0.0220 C	P-87003 STOCK 6 GPM ABS		12/31/1972	12/31/1920
D6	3 1 9	PELSTER WELL NO 4	SW SW 34 170S 0570M W 1541		27393.00000	0.0334 C	P-87004 STOCK 10 GPM ABS		12/31/1972	12/31/1951
D6	2 1 9	PELSTER WELL NO 5	NE SW 34 170S 0570M W 1541		34698.00000	0.0220 C			12/31/1972	12/31/1924
C4	29 1 1230	PREISSER WELL NO 1	SE SW 29 140S 0580M W 2545		43630.00000	1.6700 C	640 P-9195-F WELLS 1-15 NTE 8, 100 AF/YR ON <2.025AC>		12/31/1972	12/31/1944

TABLE-3 (Contd.)
Listing of Decreased Surface Water Rights and Undecreed
Nonexempt Wells By Name

MAP	WELL NO.	TYPE	SIZE	COOLES	WATER RIGHT OR	PERMIT NO.	Q18	Q160	SEC	TOWNSHIP	RANGE	CASE	ADMIN	DECREASE	ANNUAL	ACRES	DECREASE	INFORMATION	ADJUDICATE	APPROPRIATE
					WELL NAME								NUMBER	AMOUNT	LIMIT	IRRIG			DATE	
														1	2	3				
D4	5	1	1		T J MILLER WEST									5.0000 C			240 5 CFS LEFT 7CFS ABANDONED	08/15/1960	02/03/1927	07/31/1941
D4	7	5	1		T J MILLER EAST DITCH									20.0000 C			400 20 CFS	08/15/1960	02/03/1927	07/31/1947
D4	6	1	1		T J MILLER FEEDER	019704F	NE	32	140S	0570M	CA 416		33419.00000	9.0000 C	150		240 6 DITCHES MAKE ABS IN W3948	08/15/1960	02/03/1927	07/31/1939
C4	30	5	1		THURLOW LAND EAST DITCH		NE	32	140S	0570M	CA 416		22718.00000	9.0000 C			9CFS TOTAL ON 240 AC	08/15/1960	02/03/1927	04/16/1919
C5	2	5	1		THURLOW LAND WEST DITCH		NE	17	150S	0580M	CA 416		28157.25307	2.5000 C			200 2.5 CFS IRR ON 200 AC	08/15/1960	02/03/1927	04/16/1919
C5	3	5	10		THURLOW RESERVOIR "P"		NE	21	150S	0580M	CA 416		28157.25307	13.5000 A	14		35 13.5 AF IRR ON 35 AC	08/15/1960	02/03/1927	04/16/1919
C5	5	5	10		THURLOW RESERVOIR "M"		SE	21	150S	0580M	CA 416		28157.25307	6.0000 A	6		100 6 AF IRR ON 100 AC	08/15/1960	02/03/1927	04/16/1919
C5	4	5	10		THURLOW RESERVOIR "P"		NW	21	150S	0580M	CA 416		28157.25307	2.0000 A	2		15 2 AF IRR ON 15 AC	08/15/1960	02/03/1927	04/16/1919
E8	4	1	19		TRAINOR WELL NO 1 11245R	011245R	SW	27	190S	0560M	W 2842		37336.00000	0.4100 C	140		80 IRR 80 ACRES IN COMBO	12/31/1972		03/22/1952
E8	1	1	19		TRAINOR WELL NO 2 11246R	011246R	SW	27	190S	0560M	W 2842		37336.00000	0.4400 C	140		*** IRR 80 ACRES IN COMBO	12/31/1972		03/22/1952
E8	2	1	19		TRAINOR WELL NO 3 11247R	011247R	SW	27	190S	0560M	W 2842		37336.00000	0.4400 C	140		*** IRR 80 ACRES IN COMBO	12/31/1972		03/22/1952
E8	3	1	138		TRAINOR WELL NO 4 11248R	011248R	SW	27	190S	0560M	W 2842		37336.00000	0.4400 C	140		*** IRR 80 ACRES IN COMBO	12/31/1972		03/22/1952
E8	5	1	19		TRAINOR WELL NO 5	011249R	SW	34	190S	0560M	W 2842		36970.00000	0.8900 C	285		*** IRR 80 ACRES IN COMBO	12/31/1972		03/22/1951
E8	10	2	1		TRAINOR WELL NO 6	011250R	SW	34	190S	0560M	NO DECREASE		99999.99999	0.0000			70 IRR 3.5 CFS ON 70 AC	08/30/1922	04/08/1905	12/31/1902
B3	14	5	1		TWO SPRINGS DITCH								20186.19357	3.5000 C			100 5 CFS & 50 AF ON 100 AC	08/30/1922	04/08/1905	05/02/1899
B3	2	5	10		VIADUCT NO 2 & RESERV								20186.18050	5.0000 C	50		90	12/31/1972		09/20/1954
B3	18	1	1		WEST LESLIE L	016353R	SW	18	130S	0590M	W 2787		38258.00000	0.7600 C	180		195 THIS WELL ISSUED AS ALT PT TO			
B3	17	1	1		WEST, LESLIE L	021184F	SW	18	130S	0590M	***		38258.00000	0.5800 C	130		16353R			
B3	4	3	1		WHITNEY WELL P-NO 1131 (R# FORM)	001131R	NW	4	130S	0600M	W 829		37010.00000	1.0700 C	342		74 P-1131 IRR 1.07 CFS NTE 342	12/31/1972		05/01/1951
D7	2	5	10		WINDMILL LAKE								26539.20452	219.1000 A	219		AC/YR ON 74 AC LOCATE			
D7	4	5	1		WINDMILL LAKE SUPPLY CHL								20452.00000	67.0000 C			219.1 AF, 100CFS 84CM172	02/03/1927	08/30/1922	12/30/1905
E5	16	5	1		WINEINGER IRR DITCH		N	20	160S	0560M	CA 416		35793.00000	50.0000 C			1550 67 CFS ON 1550 AC	08/30/1922	04/08/1905	12/30/1905
E7	36	1	1		WINEINGER DAVIS 10011 F	010011F	NE	5	190S	0560M	W 2156		42240.00000	0.6700 C	215		40 IRR 0.67 CFS NTE 215 AF/YR	08/15/1960	02/03/1927	12/31/1947

TABLE 4

Stratigraphic Units and Their Water-Yielding
Properties

TABLE 4. STRATIGRAPHIC UNITS AND THEIR WATER-YIELDING PROPERTIES

SYSTEM	SERIES	SUBDIVISION	THICKNESS (FEET)	PHYSICAL CHARACTER	WATER YIELDING PROPERTIES
Quaternary	Recent	Kolian sand and loess	0-30±	Yellow brown to tan and brown medium to very fine sand, and silt.	Lies above the water table and yields no water to wells. Serves as a catchment area for recharge from precipitation.
		Slope wash	0-20±	Reddish yellow to yellowish brown silt, sand and gravel with silt and clay interbeds. Fossil fragments common.	Generally used in combination for water for domestic, stock, irrigation, and municipal purposes. Well yields range from about 2 to 1000 gallons per minute. Substantial reductions in yield have occurred in heavily pumped areas.
		Channel and floodplain deposits	0-50±	Yellowish tan to dark yellowish gray sand and gravel with occasional thin interbeds of clay.	
		Musbaum Alluvium	0-160±	Pale reddish brown to light brown and yellowish orange cobbly gravel, sand, and silty sand with a slight admixture of clay.	
Tertiary	Paleocene	Dawson Aquifer	less than 250	White, pink, pale to dark yellowish orange clay with streaks of grayish purple, dusky red, and reddish brown.	Yields water to one stock well in the northern part of the basin, possibly in combination with the Denver aquifer.
		Denver Aquifer	0-600±	Pale orange, light brown, olive, and greenish fine to medium sandstone with ferruginous concretions.	Yields small quantities of water for domestic and stock purposes. Well yields are less than 15 gallons per minute. May yield more if completed in combination with overlying surficial deposits.
		Arapahoe Aquifer	0-450±	Gray to greenish olive interbeds of conglomerates, sandstones, siltstones and clay shales.	
		Laramie Formation	0-200	Gray clay and shale with subordinate beds and lenses of sandstone and coal. Coal is more common in the lower half of the formation.	Sandstone beds in this formation yield small quantities of water to about 20 wells in the basin. Water supply from this formation is unpredictable.
		Laramie-Fox Hills Aquifer	0-300±	Light gray to light bluish gray fine to medium sandstone and siltstone with interbedded shale.	Generally yields 5-10 gallons per minute to domestic and stock wells. Wells completed in combination with Musbaum alluvium yield up to 600 gpm but only 1-2 percent of that yield is supplied by the Laramie-Fox Hills.
Cretaceous	Upper Cretaceous	Pierre Shale	0-4000±	Brownish gray to dark gray shale with thin interbeds of sandstone, siltstone, and limestone. Fossiliferous.	Same as Denver and Arapahoe aquifers.

TABLE 5

Calculation of Subsurface Outflows at
Selected Sections

TABLE 5. GROUNDWATER UNDERFLOW AT SELECTED SECTIONS

SECTION	DESCRIPTION	A(ft ²)	I(ft/ft)	A	cos A	ft ³ /d*	Acres-feet/yr
AA-	Steels Fork-East Branch/Little Horse divide	336,758	0.01024	55	0.574	424,380	3,555
	Steels Fork-East Branch/Little Horse divide	256,819	0.00568	15	0.966	302,118	2,531
	Little Horse Creek	187,492	0.00947	40	0.766	291,600	2,443
	Horse Creek	148,421	0.00947	38	0.788	237,463	1,990
	Tot l AA- underflow (1988)						10,519
BB-	East Branch/Little Horse divide (historic)	927,115	0.00379	25	0.906	682,536	5,719
	East Branch/Little Horse divide (1988)	248,318	0.00568	15	0.966	292,118	2,448
	East Branch/Little Horse divide (1988)	137,016	0.01042	55	0.574	175,701	1,472
	Total East Branch/Little Horse divide (1988)						3,920
	Difference historic--1988 East Branch/Little Horse divide						1,799
CC-	Forder-Horse Creek	84,902	0.00947	50	0.643	110,842	929
	Forder-Horse Creek	95,726	0.00568	44	0.719	83,817	702
	Peace Valley	60,192	0.00758	36	0.809	79,137	663
	Little Horse Creek	148,210	0.00947	38	0.788	237,126	1,987
	Steels Fork	35,482	0.00568	40	0.766	33,099	277
	Total BB- underflow (1988)						4,556
	South boundary (historic)	87,036	0.00284	52.5	0.609	32,274	270
DD-	Total CC- historic	129,228	0.00246	52.5	0.609	41,508	348
	South boundary (1988)	72,526	0.00133	22.5	0.924	19,109	160
	Total CC- 1988						778
	South boundary (1988)	37,715	0.00474	62.5	0.462	17,708	148
	Total CC- 1988	29,008	0.00133	22.5	0.924	7,643	64
DD-	East Branch divide to Little Horse Ck. (historic)	281,408	0.00701	27	0.891	376,840	3,157
	East Branch divide to Little Horse Ck. (historic)	147,956	0.00994	47	0.682	215,044	1,802
	East Branch divide to Little Horse Ck. (historic)	87,036	0.00426	19.5	0.943	74,963	628
	Total East Branch to Little Horse Ck (historic)	17,408	0.00114	4.5	0.997	4,242	36
	Total DD- 1988	17,408	0.00114	4.5	0.997	4,242	5,623
DD-	1988	101,540	0.00758	17.5	0.954	157,427	1,319
	Total DD- 1988	66,723	0.00758	58	0.530	57,471	482
	Difference historic--1988 East Branch to Little Horse Creek	66,723	0.00473	41	0.755	51,087	428
	Total DD- 1988	5,282	0.00284	8.5	0.989	3,181	27
	Difference historic--1988 East Branch to Little Horse Creek						2,256

* Hydraulic conductivity = 214.4 ft./day

TABLE 6

Comparison of Precipitation verses
Horse Creek Flows

TABLE 6

Comparison of Precipitation verses Horse Creek Flows

FLOWS AT SOGAR CITY GAGE 1940 THRU 1947

(Blanks mean no data available)

FLOWS AT SOGAR CITY GAGE 1940 THRU 1947

(Blanks mean no data available)

YEAR	MONTH	PRECIP	PRECIP	MONTHLY	YEAR	MONTH	PRECIP	PRECIP	MONTHLY
		AT BUSH THIS MONTH	AT KARVAL THIS MONTH	AT SOGAR CITY GAGE IN A.F.			AT BUSH THIS MONTH	AT KARVAL THIS MONTH	AT SOGAR CITY GAGE IN A.F.
1940	JAN	0.41			1944	JAN	0.20	0.71	66
1940	FEB	0.36			1944	FEB	0.07	0.00	28
1940	MAR	0.67			1944	MAR	1.15	1.56	74
1940	APR	0.78			1944	APR	2.64	3.35	1080
1940	MAY	4.58		2410	1944	MAY	1.82	2.80	288
1940	JUNE	0.31		38	1944	JUNE	1.10	0.94	158
1940	JULY	2.02		729	1944	JULY	2.22	3.29	1210
1940	AUG	1.12		12	1944	AUG	0.84	0.03	92
1940	SEPT	2.87		13	1944	SEPT	0.61	0.67	100
1940	OCT	0.07		6	1944	OCT	0.00	0.85	68
1940	NOV	0.10		20	1944	NOV	0.29	1.93	42
1940	DEC	0.33		100	1944	DEC	0.05	0.05	31
1941	JAN	0.41		52	1945	JAN	0.54	1.07	32
1941	FEB	0.05		21	1945	FEB	0.26	0.06	18
1941	MAR	1.68		27	1945	MAR	0.54	0.00	20
1941	APR	1.40		286	1945	APR	1.34	1.11	24
1941	MAY	4.15		325	1945	MAY	1.17	1.96	61
1941	JUNE	3.32		16	1945	JUNE	2.51	1.77	96
1941	JULY	5.51		1950	1945	JULY	1.36	0.88	37
1941	AUG	3.07	2.02	1910	1945	AUG	3.65	2.78	1740
1941	SEPT	3.90	3.97	3210	1945	SEPT	0.68		101
1941	OCT	2.32	2.32	5670	1945	OCT	0.97	0.32	161
1941	NOV	0.26	0.14	177	1945	NOV	0.12	0.19	57
1941	DEC	0.15	0.24	33	1945	DEC	0.05	0.00	69
1942	JAN	0.20	0.18	21	1946	JAN	0.18	0.05	26
1942	FEB	0.40	0.54	26	1946	FEB	0.14	0.03	20
1942	MAR	0.08	0.03	17	1946	MAR	0.17	0.57	16
1942	APR	5.06	3.63	1490	1946	APR	1.01	0.66	50
1942	MAY	0.92	0.86	285	1946	MAY	1.00	1.44	80
1942	JUNE	2.21	3.75	158	1946	JUNE	0.82	0.98	119
1942	JULY	1.30	1.70	135	1946	JULY	3.89	1.22	36
1942	AUG	2.37	7.49	631	1946	AUG	4.22	2.82	5410
1942	SEPT	4.02	5.24	1690	1946	SEPT	0.25	0.42	783
1942	OCT	1.99	2.84	109	1946	OCT	0.61	0.78	104
1942	NOV	0.18	0.09	159	1946	NOV	1.56	7.41	169
1942	DEC	0.17	0.83	49	1946	DEC	0.12	0.00	155
1943	JAN	0.29	0.49	31	1947	JAN	0.17	0.10	56
1943	FEB	0.24	0.20	18	1947	FEB	0.62	0.29	41
1943	MAR	0.22	0.36	24	1947	MAR	0.26	0.10	48
1943	APR	0.75	0.48	87	1947	APR	0.90	0.44	58
1943	MAY	3.22	3.37	105	1947	MAY	3.10	3.82	2990
1943	JUNE	1.65	1.12	63	1947	JUNE	2.89	2.10	39
1943	JULY	0.75	1.37	67	1947	JULY	2.91	4.52	47
1943	AUG	1.87	3.15	243	1947	AUG	3.51	3.62	496
1943	SEPT	0.07	0.02	72	1947	SEPT	0.25	0.30	41
1943	OCT	0.29	0.06	47	1947	OCT	1.03	0.25	0
1943	NOV	0.54	0.37	33	1947	NOV	0.20	0.40	0
1943	DEC	0.40	0.85	26	1947	DEC	0.26	0.30	0

TABLE 7

Streamflow Data for 20 Selected Sites
In the Horse Creek Basin

HORSE CREEK GAGING STATION DATA
 DWR GAGING STATIONS ESTABLISHED IN SEPTEMBER 1988
 (Blank means no data available)

TABLE 7

Streamflow Data for 20 Selected Sites in the Horse Creek Basin

DATE READ	DEAD HORSE CREEK STA 17	POND CREEK STA 16	BECKEN-RIDGE STA 2A	STEELS FORK STA 3	STEELS FORK STA 5	STEELS FORK STA 13	STEELS FORK STA 14	STEELS FORK STA 15	STEELS FORK STA 12C	STEELS FORK STA 12A	STEELS FORK STA 12B	LITTLE HORSE CREEK STA 4	LITTLE HORSE CREEK STA 15	LITTLE HORSE CREEK STA 10	LITTLE HORSE CREEK STA 6	LITTLE HORSE CREEK STA 7	LITTLE HORSE CREEK STA 8	LITTLE HORSE CREEK STA 9	HORSE CREEK STA 1	HORSE CREEK STA 2B
09/24/88	0.000	0.000	0.000	0.000	0.000	0.128	0.880	0.810	0.970	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.001
10/07/88	0.000	0.000	0.000	0.000	0.000	0.370	1.180	0.940	1.590	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.130	0.120
10/13/88	0.000	0.000	0.010	0.000	0.000	0.127	1.240	0.870	1.660	0.000	0.460	0.000	0.000	0.000	0.000	0.000	0.036	0.471	0.068	0.090
10/21/88	0.000	0.000	0.006	0.000	0.000	0.153	1.240	0.900	1.820	0.000	0.610	0.000	0.000	0.000	0.000	0.000	0.053	0.349	0.043	0.120
10/28/88	0.000	0.000	0.010	0.000	0.000	0.107	2.160	0.940	1.990	0.000	0.610	0.000	0.000	0.000	0.000	0.000	0.069	0.381	0.037	0.126
11/04/88	0.000	0.000	0.018	0.000	0.000	1.040	2.650	0.940	1.860	0.000	0.490	0.000	0.000	0.000	0.000	0.000	0.068	1.020	0.032	0.124
11/10/88	0.000	0.000	0.009	0.000	0.000	2.450	2.820	1.000	2.020	0.000	0.550	0.000	0.000	0.000	0.000	0.000	0.097	0.967	0.032	0.193
11/18/88	0.000	0.000	0.024	0.000	0.000	2.930	3.440	1.130	2.270	0.000	0.630	0.000	0.000	0.000	0.000	0.000	0.073	5.080	0.044	0.510
11/28/88	0.000	0.000	0.014	0.000	0.000	2.990	3.080	1.100	1.900	0.000	0.630	0.000	0.000	0.000	0.000	0.000	2.045	4.800	0.040	0.343
12/02/88	0.000	0.000	0.025	0.000	0.000	3.380	2.990	1.130	2.060	0.000	0.700	0.000	0.000	0.000	0.000	0.000	3.210	5.540	0.042	0.304
12/09/88	0.000	0.000	0.026	0.000	0.000	3.330	3.440	1.510	1.980	0.000	0.530	0.000	0.000	0.000	0.000	0.000	1.690	3.480	0.031	0.354
12/19/88	0.000	0.000	0.024	0.000	0.000	3.890	3.810	1.200	2.440	0.000	0.690	0.000	0.000	0.000	0.000	0.000	5.290	4.680	0.035	0.437
12/21/88						3.530	1.160	2.310												
12/29/88	0.000	0.000	0.007	0.000	0.000	2.940	2.730	1.100	1.820	0.000	0.550	0.000	0.000	0.000	0.000	0.000	1.190	2.380	0.014	0.270
01/06/89	0.000	0.010	0.027	0.000	0.000	4.290	3.620	1.160	2.310	0.000	0.670	0.000	0.000	0.000	0.000	0.000	5.040	6.730	0.043	0.615
01/18/89	0.000	0.000	0.018	0.000	0.000	3.610	2.820	1.100	3.170	0.000	0.740	0.000	0.000	0.000	0.000	0.000	3.710	4.920	0.030	0.430
02/16/89	0.000	0.100	0.000	0.000	0.000	4.120	3.440	1.160	2.350	0.000	0.770	0.000	0.000	0.000	0.000	0.000	5.940	5.390	0.000	0.490

TABLE 8

Listing of Decreed Surface Water
Rights in the Horse Creek Basin
By Administration Number

TABLE-8
Listing of Decreased Surface Water Rights
By Administration Number

MAP	NUMS ON MAP	TYPE USE CODES	WATER RIGHT OR WELL NAME	SEC TOWN RANG	SECT	CLASS NUMS	ADMIN NUMBER	DECREASE AMOUNT	ANNUAL ACRES	DECREASE INFORMATION	ADJUST DATE	PADJ DATE	APPROPRIATE
B3	2	5	10	31	120S 0590W	1922	20186.18050	5.0000	50	100 5 CFS & 50 AF ON 100 AC	08/30/1922	04/08/1905	06/02/1899
B3	1	5	10	36	120S 0600W	1922	20186.18050	1.0000	10	30	08/30/1922	04/08/1905	06/02/1899
B3	3	5	10	32	120S 0590W	1922	20186.18052	2.0000	10	40 2 CFS & 10 AF ON 40 ACRES	08/30/1922	04/08/1905	06/04/1899
C3	1	5	10	15	130S 0590W	1922	20186.18052	3.8700	49.5	100 SEE 79CMB	08/30/1922	04/08/1905	06/04/1899
B3	7	5	10	6	130S 0590W	1922	20186.18056	0.0000	31	80 IRR 31.1 AF COMBINED SYS W/ HEADWATER RES	08/30/1922	04/08/1905	06/08/1899
B3	6	5	1	SE NE	6 130S 0590W	1922	20186.18056	4.0000	C	*** IRR 4 CFS ON 80 AC W/ HEADWATER 4COLUMBUS RES IRR 10 AF	08/30/1922	04/08/1905	06/08/1899
E7	5	5	10	1	130S 0600W	1922	20186.18056	0.0000	10	9000	08/30/1922	04/08/1905	06/08/1899
E7	6	5	1	20	180S 0560W	1922	20186.18194	60.0000	C		08/30/1922	04/08/1905	06/08/1899
E7	4	5	1	20	180S 0560W	1922	20186.18813	300.0000	C		08/30/1922	04/08/1905	07/05/1901
D7	4	5	1	8	130S 0590W	1922	20186.19357	3.5000	C	70 IRR 3.5 CFS ON 70 AC	08/30/1922	04/08/1905	12/31/1902
E7	28	5	18	32	180S 0570W	1922	20452.00000	67.0000	C	1550 67 CFS ON 1550 AC	08/30/1922	04/08/1905	12/30/1905
E7	8	5	1	2	180S 0570W	1922	20638.00000	11.5000	C	3000 IRR 11.5 CFS ON 3000 AC	08/30/1922	04/08/1905	07/02/1906
E7	16	5	10	20	180S 0560W	1922	21803.00000	89.5000	C	9000 149.22 AF 9.000 AC UNDER B.S. SYSTEM	02/03/1927	08/30/1922	10/24/1898
E7	30	5	10	31	180S 0560W	1927	26539.18194	60.0000	C		02/03/1927	08/30/1922	10/24/1899
E7	33	5	10	5	190S 0560W	1927	26539.18194	60.0000	C	625	02/03/1927	08/30/1922	10/24/1899
E7	18	5	10	7	190S 0560W	1927	26539.18194	60.0000	C	206.61 AF	02/03/1927	08/30/1922	10/24/1899
E7	31	5	10	31	180S 0560W	1927	26539.18813	300.0000	C	574	02/03/1927	08/30/1922	07/05/1901
E7	35	5	10	5	190S 0560W	1927	26539.18813	300.0000	C	573.92 AF	02/03/1927	08/30/1922	07/05/1901
E7	39	5	10	SE NE	7 190S 0560W	1927	26539.18813	300.0000	C	422	02/03/1927	08/30/1922	07/05/1901
E7	45	5	10	SE SE	7 190S 0560W	1927	26539.18813	300.0000	C	421.68 AF	02/03/1927	08/30/1922	07/05/1901
E7	45	5	10	SE SE	7 190S 0560W	1927	26539.18813	300.0000	C	505	02/03/1927	08/30/1922	07/05/1901
D7	2	5	10	SW SE	19 190S 0560W	1927	26539.18813	300.0000	C	275	02/03/1927	08/30/1922	07/05/1901
E7	17	5	10	32	180S 0570W	1927	26539.20452	219.0000	A	482	02/03/1927	08/30/1922	07/05/1901
E7	32	5	10	NE	31 180S 0560W	1927	26539.21803	440.0000	C	219.1 AF, 100CFS 84CW172	02/03/1927	08/30/1922	12/30/1905
E7	34	5	10	5	190S 0560W	1927	26539.21803	440.0000	C	34.65 AF	02/03/1927	08/30/1922	09/11/1909
E7	34	5	10	SE NE	7 190S 0560W	1927	26539.21803	440.0000	C	883.83 AF	02/03/1927	08/30/1922	09/11/1909
E7	40	5	10	SE SE	7 190S 0560W	1927	26539.21803	440.0000	C	440 CFS	02/03/1927	08/30/1922	09/11/1909
E7	46	5	10	SW SE	19 190S 0560W	1927	26539.21803	440.0000	C	59.58 AF	02/03/1927	08/30/1922	09/11/1909
E8	14	5	10	SW SW	12 280S 0570W	1927	26539.21803	440.0000	C	279	02/03/1927	08/30/1922	09/11/1909
E8	15	5	10	SW SW	12 280S 0570W	1927	26539.22841	98.5000	A	57	02/03/1927	08/30/1922	09/11/1909
E8	15	5	10	SW SW	12 280S 0570W	1927	26539.22841	98.5000	A	99	02/03/1927	08/30/1922	10/23/1912
E5	2	5	1	NE NW	31 150S 0560W CA 416	1927	26539.22941	96.0000	A	PTS	02/03/1927	08/30/1922	10/23/1912
E5	5	5	1	NE NW	31 150S 0560W CA 416	1927	26539.25307	10.0000	C	200 MTE 10 CFS THIS DITCH IS IN ADDITION TO PUMPING PL	08/15/1960	02/03/1927	04/16/1919
C3	5	5	1	NE NW	31 150S 0560W CA 416	1927	26539.25307	10.0000	C	200 MTE 10 CFS THIS DITCH IS AN ADDITION TO PUMPING PL	08/15/1960	02/03/1927	04/16/1919
D4	1	5	1	SE	34 130S 0580W CA 416	1927	28157.25307	3.5000	C	90 3.5 CFS	08/15/1960	02/03/1927	04/16/1919
C4	30	5	1	SE	2 140S 0580W CA 416	1927	28157.25307	2.0000	C	2 CFS	08/15/1960	02/03/1927	04/16/1919
C5	1	5	10	SE	7 150S 0580W CA 416	1927	28157.25307	9.0000	C	240 6 DITCHES DIVERT A TOTAL OF 9CFS TOTAL ON 240 AC	08/15/1960	02/03/1927	04/16/1919
C5	2	5	1	SE	17 150S 0580W CA 416	1927	28157.25307	254.0000	A	250 254 AF ON 250 AC UNDER BRETT GRAY DITCH	08/15/1960	02/03/1927	04/16/1919
C5	3	5	10	NE NW	17 150S 0580W CA 416	1927	28157.25307	2.5000	C	200 2.5 CFS IRR ON 200 AC	08/15/1960	02/03/1927	04/16/1919
C5	5	5	10	SE NE	21 150S 0580W CA 416	1927	28157.25307	13.5000	A	35 13.5 AF IRR ON 35 AC	08/15/1960	02/03/1927	04/16/1919
C5	4	5	10	SE NE	21 150S 0580W CA 416	1927	28157.25307	6.0000	A	100 6 AF IRR ON 100 AC	08/15/1960	02/03/1927	04/16/1919
D5	3	5	18	SM	SE SE 27 150S 0580W CA 416	1927	28157.25307	2.0000	A	15 2 AF IRR ON 15 AC	08/15/1960	02/03/1927	04/16/1919
D5	2	5	180	SM	SE SE 27 150S 0580W CA 416	1927	28157.25307	4.0000	C	160 4 CFS IRR DOM ON 160 AC	08/15/1960	02/03/1927	04/16/1919
C5	6	5	10	SE NE	28 150S 0580W CA 416	1927	28157.25307	84.0000	A	84 AF IRR DOM ON 160 AC	08/15/1960	02/03/1927	04/16/1919
D5	5	5	1	SW NE	1 160S 0580W CA 416	1927	28157.25307	670.0000	A	670 670 AF ON 670 AC	08/15/1960	02/03/1927	04/16/1919
D5	6	5	1	SW NE	1 160S 0580W CA 416	1927	28157.25307	2.0000	C	60 MTE 2 CFS IRR ON 60 AC	08/15/1960	02/03/1927	04/16/1919
D5	4	5	1	SE NW	1 160S 0580W CA 416	1927	28157.25307	2.0000	C	70 MTE 2 CFS IRR ON 70 AC	08/15/1960	02/03/1927	04/16/1919
E6	11	5	1	NE NW	SE 1 170S 0570W CA 416	1927	28157.25307	18.0000	C	670 MTE 18 CFS IRR STOCK ON 670AC	08/15/1960	02/03/1927	04/16/1919
D5	8	5	1	NW	12 160S 0580W CA 416	1927	31897.00000	12.0000	C	20 MTE 2 CFS, IRR STOCK ON 20 AC	08/15/1960	02/03/1927	05/01/1937
E6	1	5	1	SE SE	35 160S 0570W CA 416	1927	34058.00000	5.0000	C	100 5 CFS	08/15/1960	02/03/1927	04/01/1943

TABLE-8 (Contd.)
Listing of Decreased Surface Water Rights
By Administration Number

MAP	WNS	TYPE	USE	COOKS	WATER RIGHT OR WELL NAME	PERMIT NO.	Q10	Q40	Q160	SEC	TOWN	RNG	CASE	ADMIN NUMBER	DECREAS AMOUNT	DECREAS LIMIT	DEGREE INFORMATION	ADJDATE	FAJDATE	APPRODATE	
D4	7	5	1		T J MILLER EAST DITCH									35640.00000	20.0000 C	400 20 CFS		08/15/1960	02/03/1927	07/31/1947	
E5	16	5	1		WINEINGER IRR DITCH	N								35793.00000	50.0000 C	MTS 50 CFS		08/15/1960	02/03/1927	12/31/1947	
D4	14	5	1		ALFALFA DITCH									36478.00000	20.0000 C	300		08/15/1960	02/03/1927	11/15/1949	
D5	16	5	10		MUESTER RESERVOIR (AMENDED)									37223.00000	23.5000 A	24 100 SOURCE GALLERY .6CFS STL PK.		08/15/1960	02/03/1927	11/30/1951	
D4	4	5	10		SIDES RESERVOIR	NE								37468.00000	8.3500 A	DITCH LITTLE HORSE		08/15/1960	02/03/1927	08/01/1952	
E6	3	5	1		REID DITCH NO 1	NE SW								44194.32871	5.2900 C	30 8.35 AF IRR ON 30 AC		12/31/1971	12/31/1970	12/31/1939	
E6	4	5	1		REID DITCH NO 2	NE SW								44194.32871	4.9500 C	15 IRR 5.29 CFS ABS ON 15 AC		12/31/1971	12/31/1970	12/31/1939	
E6	5	5	1		REID DITCH NO 3	NE SW								44194.32871	4.1400 C	15 IRR 4.95 CFS ABS ON 15 AC		12/31/1971	12/31/1970	12/31/1939	
E6	25	5	9		REID SPRING NO 1	NW SW								44194.35428	0.0220 C	15 IRR 4.16 CFS ABS ON 15 AC		12/31/1971	12/31/1970	12/31/1946	
E6	26	5	9		REID SPRING NO 2	NW SW								44194.41180	0.0220 C	STOCK ABS		12/31/1971	12/31/1970	12/31/1946	
E7	2	5	1		MCCABE DITCH NO 2	SW SW								44559.20340	25.0000 C	STOCK ABS		12/31/1971	12/31/1970	09/30/1962	
E6	43	5	1		MCCABE DITCH NO 1									44559.20340	90.0000 C	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CW7, 85CW46		12/31/1972	12/31/1971	09/09/1905	
E7	1	5	10		MCCABE RESERVOIR NO 1	NE NE SE								44559.20340	23.0000 A	320 IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CW7, 85CW46		12/31/1972	12/31/1971	09/09/1905	
E7	11	5	1		MCCABE DITCH NO 3	SE NE								44559.20340	10.0000 C	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CW7, 85CW46		12/31/1972	12/31/1971	09/09/1905	
E7	12	5	10		MCCABE RESERVOIR NO 2	NE NE SE								44559.20340	176.0000 A	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CW7, 85CW46		12/31/1972	12/31/1971	09/09/1905	
C7	5	5	9		GAMBREL SPRING	NW NW								44559.25932	0.0260 C	*** IRR SAME 320 AC IN MCCABE SYSTEM SEE 81CW7, 85CW46		12/31/1972	12/31/1971	12/31/1920	
E7	13	5	89		MCCABE SPRING	SE SE								48212.16436	0.0160 C	12 GPM		12/31/1982	12/31/1981	12/31/1894	

TABLE 9

Summary of Diversions in the Horse
Creek Basin

TABLE 10

**Summary of Annual Storage in the
Horse Creek Basin**

TABLE 10

SUMMARY OF ANNUAL STORAGE IN THE HORSE CREEK BASIN

YEAR	Vladuct Res.	Cutler Res.	Big Horse Res.	Dead Mans Res.	Columbia Res.	Head Water Res.	Box Spring Res.	Windmill Lake Res.	West Pond Res.	Hops Lake Res.	Gordon Res.	Brett Gray Res.	Collins Res.	Kuester Res.	Thurlow Res's	Box Springs 1 Res.	Box Springs 2 Res.	Box Springs 3 Res.	Box Springs 4 Res.	Box Springs 5 Res.	Epler No 4 Res.	Gannon Res.	Boulden Res.	Annual Storage	YEAR
1940	b	b	b	20	b	b	180	c	c	c	670	•	•	•	•	•	•	•	•	•	•	•	•	870	1940
1941	b	b	b	10	b	b	1225	c	c	c	300	254	50	24	40	•	•	•	•	•	•	•	•	1545	1941
1942	b	b	b	10	b	b	350	c	c	c	300	254	50	48	•	•	•	•	•	•	•	•	•	670	1942
1943	b	b	b	10	b	b	0	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	30	1943
1944			20				525	c	c	c	500	•	•	•	•	•	•	•	•	•	•	•	•	545	1944
1945			0				500	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	1000	1945
1946			•				750	c	c	c	20	•	•	•	•	•	•	•	•	•	•	•	•	750	1946
1947	b	c	b	5	b	c	500	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	525	1947
1948	b	c	b	10	b	c	•	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	10	1948
1949	b	c	b	10	b	c	•	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1949
1950	b	c	b	10	b	c	350	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	360	1950
1951	b	c	b	10	b	c	300	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	310	1951
1952	b	c	b	•	b	c	500	c	c	c	200	•	•	•	•	•	•	•	•	•	•	•	•	700	1952
1953	25	b	b	•	b	b	0	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	25	1953
1954	b	b	b	•	b	b	500	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	500	1954
1955	b	b	b	•	b	b	1000	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	1000	1955
1956	b	b	b	•	b	b	0	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1956
1957	b	b	b	•	b	b	400	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	400	1957
1958	b	b	b	•	b	b	•	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1958
1959			•				0	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1959
1960			•				0	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1960
1961			•				10	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	10	1961
1962			•				•	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1962
1963			•				•	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1963
1964			•				•	c	c	c	d	•	•	•	•	•	•	•	•	•	•	•	•	0	1964
1965			•				1250	c	c	c	•	•	•	•	•	•	•	•	•	•	•	•	•	1410	1965
1966			•				200	c	c	c	300	254	50	24	•	•	•	•	•	•	•	•	•	868	1966
1967			•				150	c	c	c	b	254	50	48	•	•	•	•	•	•	•	•	•	502	1967
1968			•				0	c	c	c	b	254	50	24	•	•	•	•	•	•	•	•	•	328	1968
1969			•				50	c	c	c	b	•	•	24	•	•	•	•	•	•	•	•	•	74	1969
1970			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1970
1971			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1971
1972			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1972
1973			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1973
1974			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	135	1974
1975			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1975
1976			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1976
1977			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1977
1978			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1978
1979			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1979
1980			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	530	1980
1981			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1981
1982			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	11	1982
1983			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1983
1984			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1984
1985			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1985
1986			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1986
1987			•				•	c	c	c	b	•	•	•	•	•	•	•	•	•	•	•	•	0	1987

NOTES

- a) Used by Ordway - no amount
- b) Reservoir not capable of storing water
- c) Used for stock purposes
- d) Used in conjunction with Gordon ditch
- e) No report for this year
- f) Used 3 wells - no amount provided
- g) Used 2 wells - no amount provided