Form 219
6/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

RECEIVED
DEC 20 1996
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 45-07588

1. Owner: Southwest Irrigation District Phone No. 432-5235

Current Address: c/o Galen Myers, 854 S 1950 W, Murtaugh, ID 83344

2. Accompanied by: Mr. Meyers EXAM DATE: 8-6-1996

Address: 854 S 1950 W, Murtaugh, ID Phone No. same

Relationship to Permit Holder: Secretary

3. Source: Dry Creek tributary to Snake River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: —

2. Other water rights with the same point of diversion: many irrigation rights

C. DIVERSION AND DELIVERY SYSTEM

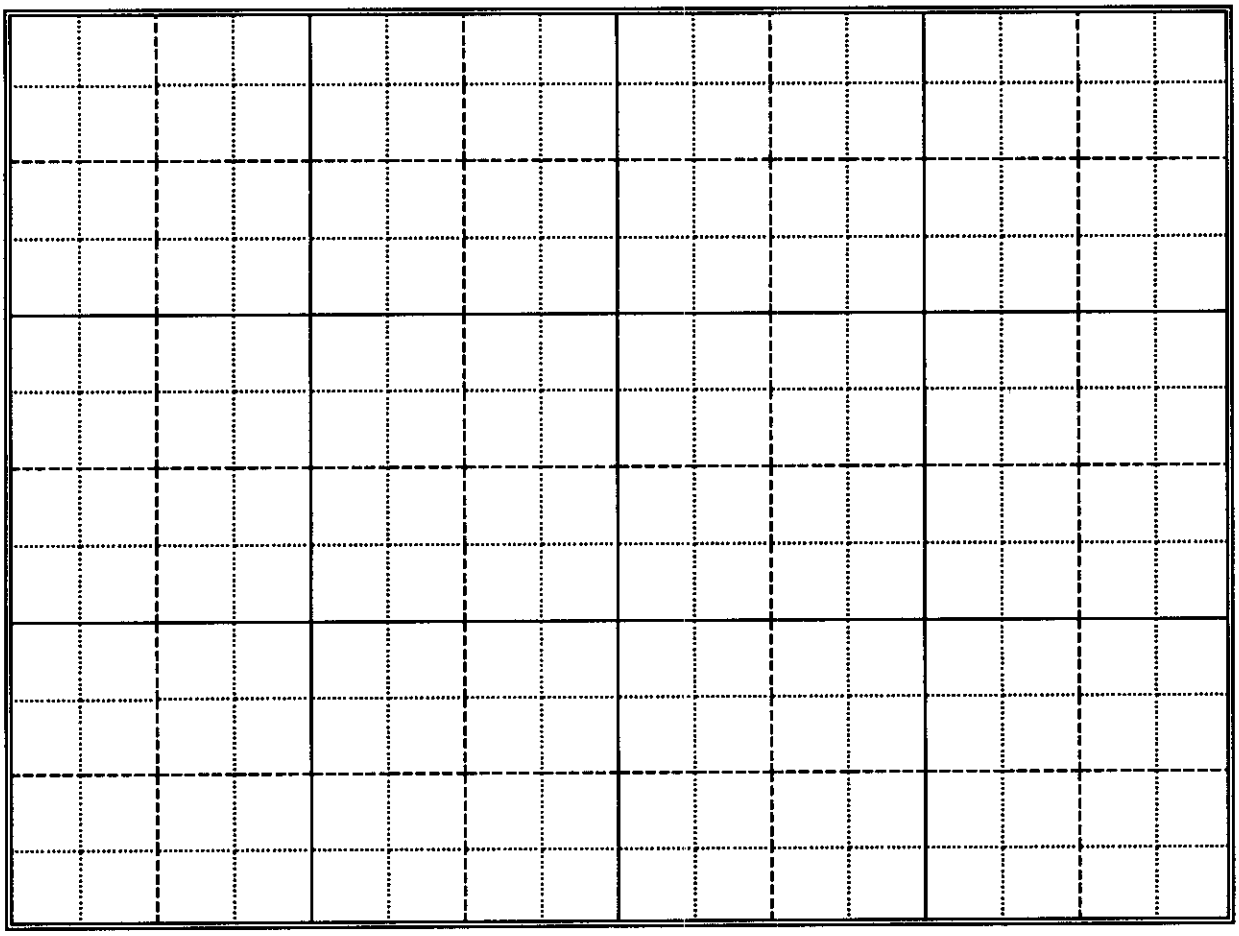
1. **Point(s) of Diversion:**

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
1			SW	SW	13	12S	19E	Cassia	Quad maps
2		NW	NW	NE	12	"	"	"	

2. **Place(s) of Use:** Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	19E	26			X														
		36									X			X					
12S	19E	2													X				
12S	20E	6						X											
								Lt 4											

3. **Delivery System Diagram**: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____.

✓ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

✓ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

**Code to correspond with No. on map and aerial photo*

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:** See narrative below.

E. NARRATIVE/REMARKS/COMMENTS

PD #1 - A concrete check dam, gate valve, earth ditch & buried pipeline convey water to 3 injection wells. A 2' Parshall flume is located in the ditch below the gate valve. The rust line was 1.3' up the staff gauge. Terry said a 1' head (8 cfs) was used for injection.

PD #2 - A rock check dam and earth ditch to a gate valve & 2 18" Parshall Flumes (also 1' head depth), additional ditch & buried pipeline take water to 2 injection wells in Sec. 6. A separate branch of this system goes to an old gravel pit in Sec. 36. A buried overflow pipe takes excess water from the pond north to an injection well near the SE corner of a potato field. Flume carries 7.76 cfs.

These two diversions on Dry Creek carry irrigation water in season; injection occurs mainly during Spring runoff. Bill Young of the USGS operates a recorder at each injection site. One recorder serves both sites #6 & 7. The USGS has carefully monitored this project to determine its effect on groundwater in the area.

Although injection has not occurred after April 19 during the last 3 years, different weather and moisture conditions could allow a longer period of use. I see no point in restricting the period of use to less than what was permitted, as the idea is to allow as much recharge as possible without harming prior water rights.

The recommended volume is the maximum that could be injected during the permitted period. In reality, 1018.4 AF were injected in 1995. In 1996, 1256.9 AF were injected. These were both years of good runoff, so these figures reflect a "normal" diversion volume. Again, I see no reason to restrict this right in case more water becomes available in the future. The irrigators on Dry Creek control these diversions as a private water district, so things are "under control."

Have conditions of permit approval been met? V yes ___ no

F. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method:

8 cfs + (2 x 3.88 cfs) = 15.76 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.}$ = (Acres Irrigated) x (Irrigation Requirement) = _____

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = _____

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = _____

2. Volume Calculations for Other Uses:

15.76 cfs x 1.9835 AF/day/cfs x 120 days = ~~3948.8~~ AFA
3751.2

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Groundwater Recharge	2-1	5-31	15.76	~~3948.8~~
				3751.2
				3751.2
		Totals:	15.76	~~3948.8~~

2. Recommended Amendments

X Change P.D. as reflected above ___ Add P.D. as reflected above ___ None

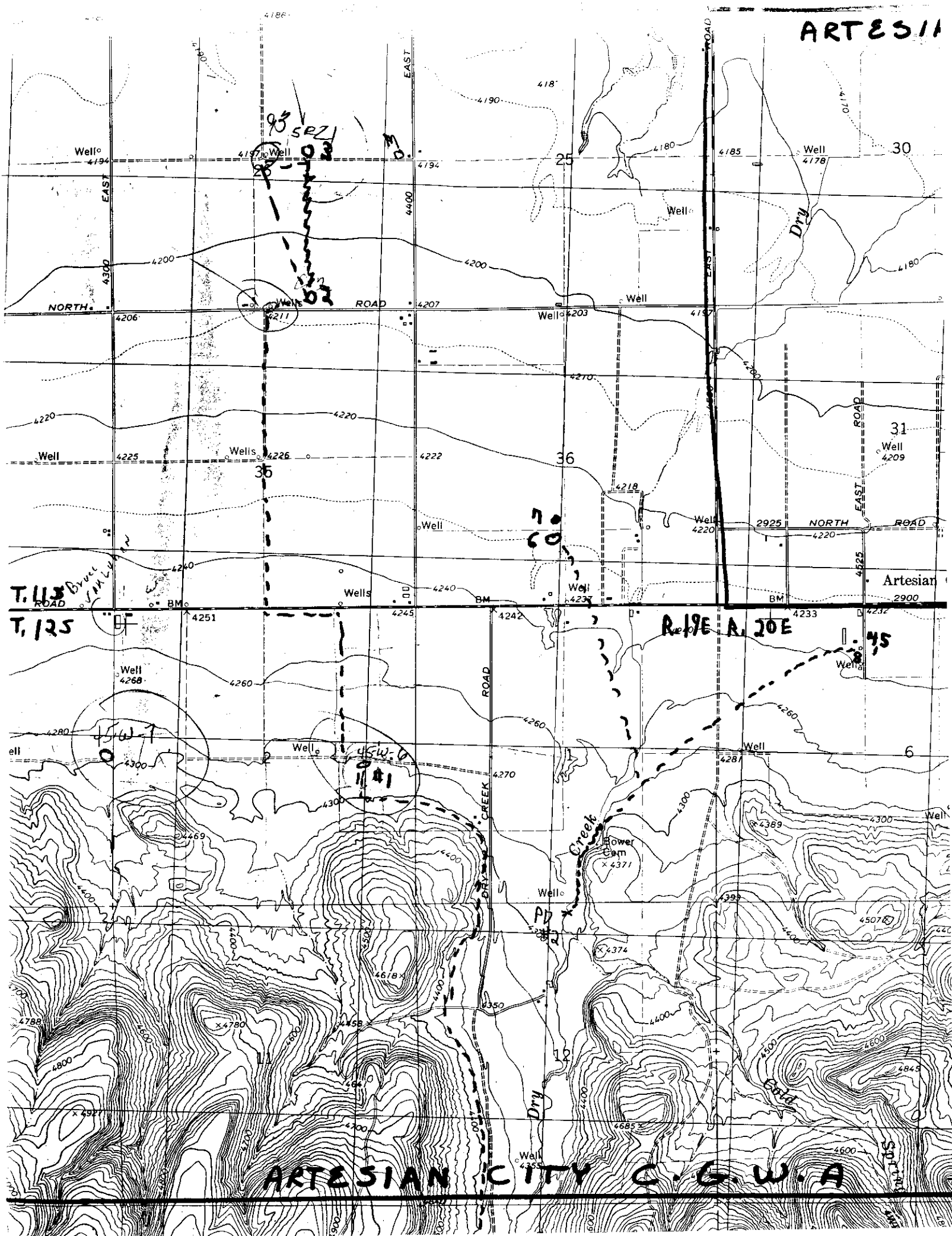
X Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name J E Stanton Date 12-10-96

Reviewer _____ Date _____ SEAL

~~Late Feb~~	17.33	
1994	11.66	
	20.71	
	107.15	
	156.85	
1995	219.96	+.79
	152.16	.01
	530.80	
	113.69	1018.41
	1017.61	
	.80	
1996	205.83	+123.59
	283.77	
	517.88	
	125.79	1256.86
	1133.27	


ARTESIAN
T. 11S
T. 12S
R. 19E
R. 20E
ROAD
EAST
NORTH
Well
Wells
BM
Dry
Creek
Artesian
ARTESIAN CITY C.G.W.A

RECEIVED
DEC 10 1996
Department of Water Resource
Southern Region

United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Water Resources Division
230 Collins Road
Boise, Idaho 83702-4520

December 9, 1996

Mr. James E. Stanton
Senior Water Resources Agent
Idaho Department of Water Resources
222 Shoshone Street East
Twin Falls, Idaho 83301-6105

Re: High Plains States Ground-Water Recharge Demonstration Program-Southwest Irrigation District-Dry Creek recharge sites

Dear Jim,

Enclosed are the additional tables for mean-daily rates of recharge you requested in our telephone conversation today. These tables are for injection wells 11S 19E 26ACC2 and 11S 19E 26DCC5. I have included tables for 1994, 1995, and 1996. Water recharged at well 11S 19E 26ACC2 prior to April 18 in 1995 and 1996 was from Dry Creek and after April 18, was from Murtaugh Lake. Water recharged at well 11S 19E 26DCC5 prior to April 19, in 1995 and 1996 was from Dry Creek and after April 19, was from Murtaugh Lake. No water from Dry Creek was recharged at either well in 1994. The annual recharge for each well is given at the bottom of the table. If you have any questions please call me at (208) 387-1314.

Sincerely,

Bill

H.W. Young
Hydrologist

Enclosures

Copy to: William Parsons
Garr Wayment
Galen Myers

STATION NUMBER 13087710 MURTAUGH LK INJECT SITE 6 11S-19E-26DCC5 N MURTAUG STREAM SOURCE AGENCY USGS
LATITUDE 422555 LONGITUDE 1141156 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 083
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1996
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.00	.16	.50	.58	.00	.00	.08	.47	.40	.00
2	---	.00	.00	.35	.62	.66	.00	.00	.10	.00	.00	---
3	---	.00	.00	.46	.27	.60	.00	.03	.00	.00	.00	---
4	---	.00	.05	.52	.16	.41	.00	.03	.00	.00	.00	---
5	---	.00	.56	.50	.21	.38	.00	.00	.00	.00	.00	---
6	---	.00	.99	.69	.13	.37	.03	.00	.00	.00	.00	---
7	---	.00	.85	1.0	.05	.00	.04	.00	.13	.00	.00	---
8	---	.00	.82	1.3	.23	.00	.00	.00	.11	.29	.00	---
9	---	.00	.78	.60	.48	.00	.00	.00	.33	.75	.00	---
10	---	.00	.74	.66	.45	.00	.00	.00	.13	.73	.00	---
11	---	.00	.89	.88	.35	.00	.00	.00	.00	.63	.00	---
12	---	.00	1.1	.69	.54	.00	.02	.00	.13	.68	.00	---
13	---	.00	.60	.25	.33	.00	.03	.00	.05	.71	.00	---
14	---	.00	.38	.22	.31	.00	.00	.03	.30	.56	.00	---
15	---	.00	.51	.24	.38	.00	.00	.00	.57	.53	.00	---
16	---	.00	.56	.21	.43	.00	.00	.00	.91	.56	.00	---
17	---	.00	.40	.12	.00	.00	.00	.00	.75	.64	.00	---
18	---	.14	1.1	.15	.57	.00	.00	.00	.73	.70	.00	---
19	---	.18	1.1	.22	.78	.00	.00	.06	.34	.70	.00	---
20	---	.36	1.0	.81	.47	.00	.03	.03	.00	.70	.00	---
21	---	.30	.62	.90	.23	.00	.03	.00	.13	.65	.00	---
22	---	.30	.99	.76	.10	.00	.00	.00	.00	.58	.00	---
23	---	.04	.92	.75	e.41	.00	.00	.00	.01	.58	.00	---
24	---	.00	1.2	.91	e.77	.00	.00	.00	.18	.60	.00	---
25	---	.00	1.1	.44	e.77	.00	.00	.00	.67	.47	.00	---
26	---	.00	1.0	.72	.64	.00	.00	.00	.70	.44	.00	---
27	---	.00	e1.1	.84	e.58	.00	.00	.00	.94	e.44	.00	---
28	---	.00	1.1	.76	e.60	.00	.00	.00	.78	e.44	.00	---
29	---	.00	1.0	.25	.60	.03	.00	.00	.45	.36	.00	---
30	---	---	.52	.61	.47	.07	.03	.09	.70	1.5	.00	---
31	---	---	.00	---	.44	---	.00	.07	---	2.3	---	---
TOTAL	---	1.32	21.98	16.97	12.87	3.10	0.21	0.34	9.22	17.01	0.40	0.00
MEAN	---	.046	.71	.57	.42	.10	.007	.011	.31	.55	.013	.000
MAX	---	.36	1.2	1.3	.78	.66	.04	.09	.94	2.3	.40	.00
MIN	---	.00	.00	.12	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	2.6	44	34	26	6.1	.4	.7	18	34	.8	.00

CAL YR 1996 TOTAL 83.42 MEAN .27 MAX 2.3 MIN .00 AC-FT 165

e Estimated

STATION NUMBER 13087710 MURTAUGH LK INJECT SITE 6 11S-19E-26DCC5 N MURTAUG STREAM SOURCE AGENCY USGS
LATITUDE 422555 LONGITUDE 1141156 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 083
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1995
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.00	.00	.87	.00	.00	.00	.00	1.6	---	---
2	---	---	.00	.00	.87	.00	.00	.05	.00	1.6	---	---
3	---	---	.00	.00	1.0	.00	.00	.04	.00	1.4	---	---
4	---	---	.00	.00	.45	.00	.00	.03	.00	1.4	---	---
5	---	---	.00	.00	.00	.00	.00	.02	.00	1.4	---	---
6	---	---	.00	.00	.00	.51	.00	.03	.00	1.3	---	---
7	---	---	.00	.00	.36	1.2	.00	.00	.00	1.1	---	---
8	---	---	.00	.00	.88	.34	.00	.00	.02	.00	---	---
9	---	---	.00	.00	.87	.00	.00	.00	.00	.57	---	---
10	---	---	.00	.00	.80	.00	.00	.00	.00	1.4	---	---
11	---	---	.00	.00	.65	.00	.00	.00	.00	1.3	---	---
12	---	---	.00	.00	.00	.00	.01	.00	.00	.00	---	---
13	---	---	.00	.00	.00	.02	.00	.00	.00	.00	---	---
14	---	---	.00	.00	.00	.08	.00	.01	.00	.00	---	---
15	---	---	.00	.00	.00	.85	.00	.03	.00	.42	---	---
16	---	---	.00	.00	.29	.73	.00	.06	.00	1.4	---	---
17	---	---	.00	.00	.79	.00	.00	.02	.00	1.4	---	---
18	---	---	.00	.00	.88	.00	.00	.06	.00	1.4	---	---
19	---	---	.00	.00	.64	.00	.00	.03	.00	1.4	---	---
20	---	---	.00	.74	.45	.87	.00	.02	.00	1.4	---	---
21	---	---	.00	1.5	.26	.62	.00	.01	.00	1.4	---	---
22	---	---	.00	1.3	.12	.00	.00	.01	.00	1.3	---	---
23	---	---	.00	1.3	.00	.00	.00	.02	.00	.46	---	---
24	---	---	.00	1.3	.40	.00	.00	.03	.00	.89	---	---
25	---	---	.01	1.2	1.1	.00	.00	.00	.00	1.5	---	---
26	---	---	.00	.56	1.2	.00	.00	.00	.64	1.2	---	---
27	---	---	.00	.45	1.2	.00	.00	.00	1.8	1.2	---	---
28	---	---	.00	1.2	1.2	.00	.00	.00	1.8	.23	---	---
29	---	---	.00	.77	1.1	.00	.00	.00	1.8	.00	---	---
30	---	---	.00	1.0	.29	.00	.00	.00	1.7	.00	---	---
31	---	---	.00	---	.00	---	.00	.00	---	.00	---	---
TOTAL	---	---	0.01	11.32	16.67	5.22	0.01	0.47	7.76	28.67	---	---
MEAN	---	---	.000	.38	.54	.17	.000	.015	.26	.92	---	---
MAX	---	---	.01	1.5	1.2	1.2	.01	.06	1.8	1.6	---	---
MIN	---	---	.00	.00	.00	.00	.00	.00	.00	.00	---	---
AC-FT	---	---	.02	22	33	10	.02	.9	15	57	---	---

CAL YR 1995 TOTAL 70.13 MEAN .29 MAX 1.8 MIN .00 AC-FT 139

STATION NUMBER 13087710 MURTAUGH LK INJECT SITE 6 11S-19E-26DCC5 N MURTAUG STREAM SOURCE AGENCY USGS
LATITUDE 422555 LONGITUDE 1141156 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 083
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.00	.00	.00	.00	.00	1.7	---	---
2	---	---	---	.00	.00	.00	.00	.00	.00	1.7	---	---
3	---	---	---	.00	.92	.00	.00	.00	.00	1.6	---	---
4	---	---	---	.00	1.2	.00	.00	.00	.00	1.2	---	---
5	---	---	---	.00	.71	.00	.00	.00	.00	.31	---	---
6	---	---	---	.00	.89	.00	.00	.00	.00	.33	---	---
7	---	---	---	.00	.42	.00	.00	.00	.00	1.7	---	---
8	---	---	---	.00	1.3	.00	.00	.00	.00	1.7	---	---
9	---	---	---	.00	1.3	.00	.00	.00	.00	1.3	---	---
10	---	---	---	.00	.66	.00	.00	.00	.00	1.1	---	---
11	---	---	---	.00	.00	.00	.00	.00	.00	.92	---	---
12	---	---	---	.00	.00	.00	.00	.00	.00	1.2	---	---
13	---	---	---	.00	.00	.00	.00	.00	.00	1.7	---	---
14	---	---	---	.00	.00	.00	.00	.00	.00	1.8	---	---
15	---	---	---	.00	.00	.00	.00	.00	.00	1.8	---	---
16	---	---	---	.00	.00	.00	.00	.00	.00	1.8	---	---
17	---	---	---	.00	.00	.00	.00	.00	.00	1.8	---	---
18	---	---	---	.65	.00	.00	.00	.00	.00	.88	---	---
19	---	---	---	1.5	.00	.00	.00	.00	.00	.59	---	---
20	---	---	---	1.4	.00	.00	.00	.00	1.1	1.6	---	---
21	---	---	---	1.8	.00	.00	.00	.00	1.9	1.6	---	---
22	---	---	---	1.9	.00	.00	.00	.00	1.7	1.6	---	---
23	---	---	---	1.8	.00	.00	.00	.00	1.6	.35	---	---
24	---	---	---	1.6	.00	.00	.00	.00	1.1	.00	---	---
25	---	---	---	1.5	.25	.00	.00	.00	1.2	.00	---	---
26	---	---	---	1.4	.03	.00	.00	.00	.00	.00	---	---
27	---	---	---	1.1	.00	.00	.00	.00	.00	.00	---	---
28	---	---	---	.27	.00	.00	.00	.00	.00	.00	---	---
29	---	---	.00	.00	.00	.00	.00	.00	.00	.00	---	---
30	---	---	.00	.00	.00	.00	.00	.00	.64	.00	---	---
31	---	---	.00	---	.00	---	.00	.00	---	.00	---	---
TOTAL	---	---	0.00	14.92	7.68	0.00	0.00	0.00	9.24	30.28	---	---
MEAN	---	---	.000	.50	.25	.000	.000	.000	.31	.98	---	---
MAX	---	---	.00	1.9	1.3	.00	.00	.00	1.9	1.8	---	---
MIN	---	---	.00	.00	.00	.00	.00	.00	.00	.00	---	---
AC-FT	---	---	.00	30	15	.00	.00	.00	18	60	---	---

CAL YR 1994 TOTAL 62.12 MEAN .29 MAX 1.9 MIN .00 AC-FT 123

STATION NUMBER 13087705 MURTAUGH LK INJECT SITE 6 11S-19E-26ACC2 N MURTAUG STREAM SOURCE AGENCY USGS
LATITUDE 422622 LONGITUDE 1141153 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 083
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1996
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.06	.50	6.4	.56	.00	.00	e7.5	7.0	2.0	.00
2	---	.00	.18	.91	6.0	1.2	.00	.00	e5.9	8.2	.00	---
3	---	.00	.01	1.4	6.9	1.1	.00	.00	e5.0	7.5	.00	---
4	---	.00	.39	1.6	e5.4	1.7	.00	.00	6.7	6.8	.00	---
5	---	.00	1.9	1.5	e2.6	2.7	.00	.00	6.8	6.5	.00	---
6	---	.00	1.5	1.7	e3.5	2.3	.00	.00	6.9	6.6	.00	---
7	---	.00	.94	2.5	3.5	2.3	.00	1.5	e6.3	7.6	.00	---
8	---	.00	.82	3.3	4.0	2.4	.00	.62	e5.3	7.9	.00	---
9	---	.00	.63	3.2	5.1	2.2	.00	.23	e5.0	6.7	.00	---
10	---	.00	.43	1.0	4.1	2.2	.00	.00	e5.0	6.7	.00	---
11	---	.00	.71	.93	3.1	1.5	.00	.00	6.5	6.6	.00	---
12	---	.00	2.1	.19	1.0	.00	.00	.00	8.7	6.8	.00	---
13	---	.00	2.3	.20	1.7	.00	.21	.00	6.3	6.9	.00	---
14	---	.00	.82	.63	1.8	.00	.00	.00	8.1	e5.5	.00	---
15	---	.00	1.0	.54	2.2	.00	.00	.00	6.6	e5.0	.00	---
16	---	.00	1.9	.36	2.2	.00	.00	2.0	7.5	5.3	.00	---
17	---	.00	4.2	.21	3.3	.00	.21	4.0	7.8	e6.6	.00	---
18	---	.15	4.1	.06	5.9	.00	.38	3.0	7.8	e5.7	.00	---
19	---	.33	4.2	3.5	5.2	.00	.53	2.6	e6.0	6.9	.00	---
20	---	.88	4.2	6.9	5.2	.00	2.3	3.6	e5.3	7.0	.00	---
21	---	1.5	3.2	6.9	5.7	.00	3.7	5.8	e3.7	7.1	.00	---
22	---	.91	2.7	6.7	5.1	.00	2.0	4.4	3.1	7.5	.00	---
23	---	.29	1.6	6.4	4.9	.00	1.9	1.0	4.4	7.5	.00	---
24	---	.00	4.8	2.8	5.0	.00	.72	1.5	5.5	7.5	.00	---
25	---	.00	4.0	3.3	5.0	.00	.00	3.6	6.9	7.3	.00	---
26	---	.06	4.7	3.5	5.0	.00	.19	e2.4	7.1	7.2	.00	---
27	---	.00	5.1	6.0	2.2	.00	.00	2.1	7.2	7.0	.00	---
28	---	.00	5.0	5.8	.66	.00	.00	2.2	7.1	7.0	.00	---
29	---	.00	5.3	4.8	1.7	.00	.00	e2.8	6.6	7.0	.00	---
30	---	---	2.7	6.4	2.9	.00	.00	e4.1	6.5	6.7	.00	---
31	---	---	.17	---	2.7	---	.00	e6.0	---	6.5	---	---
TOTAL	---	4.12	71.66	83.73	119.96	20.16	12.14	53.45	189.1	212.1	2.00	0.00
MEAN	---	.14	2.31	2.79	3.87	.67	.39	1.72	6.30	6.84	.067	.000
MAX	---	1.5	5.3	6.9	6.9	2.7	3.7	6.0	8.7	8.2	2.0	.00
MIN	---	.00	.01	.06	.66	.00	.00	.00	3.1	5.0	.00	.00
AC-FT	---	8.2	142	166	238	40	24	106	375	421	4.0	.00

CAL YR 1996 TOTAL 768.42 MEAN 2.52 MAX 8.7 MIN .00 AC-FT 1520

e Estimated

STATION NUMBER 13087705 MURTAUGH LK INJECT SITE 6 11S-19E-26ACC2 N MURTAUG STREAM SOURCE AGENCY USGS
LATITUDE 422622 LONGITUDE 1141153 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 083
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1995
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.00	.00	5.3	6.7	.00	.00	1.9	5.9	---	---
2	---	---	.00	.00	5.5	6.7	.00	.00	2.5	5.2	---	---
3	---	---	.00	.00	5.8	7.0	.00	.00	2.2	4.8	---	---
4	---	---	.00	.00	6.3	7.0	.00	.00	3.3	5.2	---	---
5	---	---	.00	.00	6.7	7.0	.00	.00	2.8	5.7	---	---
6	---	---	.00	.00	6.5	7.0	.84	.00	2.4	7.3	---	---
7	---	---	.00	.00	7.6	7.0	.07	.00	2.9	7.2	---	---
8	---	---	.00	.00	7.9	5.6	.00	.00	3.7	6.4	---	---
9	---	---	.00	.00	7.5	6.5	.00	.00	3.7	6.4	---	---
10	---	---	.00	.00	4.5	5.9	.00	.00	3.7	6.6	---	---
11	---	---	.00	.00	7.7	.00	.00	.00	3.7	7.1	---	---
12	---	---	.00	.00	7.7	.00	.00	.00	2.5	7.0	---	---
13	---	---	.00	.00	7.7	5.0	.00	.00	1.9	6.6	---	---
14	---	---	.00	.00	7.6	3.5	.00	.00	2.4	7.0	---	---
15	---	---	.00	.00	7.7	4.5	.00	.00	1.1	7.0	---	---
16	---	---	.00	.00	7.6	2.6	.00	.00	4.0	7.0	---	---
17	---	---	.00	.00	8.1	2.0	.00	.00	5.4	7.1	---	---
18	---	---	.00	.00	7.0	1.8	.00	.00	5.4	5.2	---	---
19	---	---	.00	4.7	7.7	1.6	.00	.00	4.6	6.2	---	---
20	---	---	.00	8.1	7.8	1.6	.00	.00	3.4	4.3	---	---
21	---	---	.00	7.7	7.6	3.5	.00	.00	3.6	4.1	---	---
22	---	---	.00	7.8	5.5	4.0	.00	.00	5.3	6.2	---	---
23	---	---	.00	7.9	5.2	3.4	.00	.00	5.1	2.4	---	---
24	---	---	.00	7.7	5.8	3.4	.00	.00	3.5	4.0	---	---
25	---	---	.00	7.7	7.2	3.4	.00	2.4	2.6	6.4	---	---
26	---	---	.00	5.5	7.4	2.2	.00	3.6	2.6	6.2	---	---
27	---	---	.28	5.6	7.5	1.3	.00	4.1	3.2	6.2	---	---
28	---	---	.13	5.5	7.4	1.6	.00	3.1	4.6	1.4	---	---
29	---	---	.20	5.3	7.0	.59	.00	1.8	5.5	.00	---	---
30	---	---	.18	5.2	6.9	.00	.00	2.0	5.8	.00	---	---
31	---	---	.00	---	6.8	---	.00	1.6	---	.00	---	---
TOTAL	---	---	0.79	78.70	214.5	112.39	0.91	18.60	105.3	162.10	---	---
MEAN	---	---	.025	2.62	6.92	3.75	.029	.60	3.51	5.23	---	---
MAX	---	---	.28	8.1	8.1	7.0	.84	4.1	5.8	7.3	---	---
MIN	---	---	.00	.00	4.5	.00	.00	.00	1.1	.00	---	---
AC-FT	---	---	1.6	156	425	223	1.8	37	209	322	---	---

CAL YR 1995 TOTAL 693.29 MEAN 2.83 MAX 8.1 MIN .00 AC-FT 1380

STATION NUMBER 13087705 MURTAUGH LK INJECT SITE 6 11S-19E-26ACC2 N MURTAUG STREAM SOURCE AGENCY USGS
LATITUDE 422622 LONGITUDE 1141153 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 083
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.00	3.6	.00	2.2	.00	6.3	---	---
2	---	---	---	.00	1.6	1.7	.00	.25	.20	7.0	---	---
3	---	---	---	.00	7.1	.09	.00	.00	.63	7.6	---	---
4	---	---	---	.00	6.4	1.3	.00	.00	.59	7.8	---	---
5	---	---	---	.00	6.3	1.4	.00	1.0	.90	7.6	---	---
6	---	---	---	.00	5.3	.24	.77	.48	2.7	5.1	---	---
7	---	---	---	.00	3.4	1.6	1.3	2.0	2.7	7.7	---	---
8	---	---	---	.00	4.6	1.3	1.3	.36	2.4	7.7	---	---
9	---	---	---	.00	4.0	.00	.00	.18	1.9	7.8	---	---
10	---	---	---	.00	5.2	.00	.00	.72	1.0	8.2	---	---
11	---	---	---	.00	5.5	.36	.00	.70	.00	8.2	---	---
12	---	---	---	.00	5.2	.00	.00	.19	.00	6.5	---	---
13	---	---	---	.00	5.3	.00	.00	.14	.00	7.3	---	---
14	---	---	---	.00	7.0	.28	.00	.71	.00	7.3	---	---
15	---	---	---	4.4	5.9	.10	.00	.71	1.2	7.8	---	---
16	---	---	---	.35	4.3	1.3	.00	.22	2.0	7.9	---	---
17	---	---	---	.00	5.5	.57	.00	.00	2.0	7.9	---	---
18	---	---	---	2.3	7.0	1.1	.20	.16	2.0	3.5	---	---
19	---	---	---	6.7	7.2	.00	.87	.38	2.1	3.7	---	---
20	---	---	---	3.8	7.1	1.3	.00	.66	2.1	7.2	---	---
21	---	---	---	4.0	7.0	.70	.00	1.8	2.1	6.4	---	---
22	---	---	---	3.8	6.3	.31	.21	.48	3.1	7.3	---	---
23	---	---	---	1.1	3.8	.00	1.4	.43	7.0	1.8	---	---
24	---	---	---	2.3	2.3	.00	.85	.42	6.7	.00	---	---
25	---	---	---	1.9	2.9	.00	.50	.40	6.4	.00	---	---
26	---	---	---	1.8	2.9	.00	.68	.40	3.1	.00	---	---
27	---	---	---	3.8	2.6	.00	.32	.40	4.3	.00	---	---
28	---	---	---	5.2	1.2	.00	.76	1.4	4.8	.00	---	---
29	---	---	.00	1.9	1.2	.00	.54	2.3	4.6	.00	---	---
30	---	---	.00	.00	1.4	.00	1.5	.87	4.4	.00	---	---
31	---	---	.00	---	3.1	---	1.6	.13	---	.00	---	---
TOTAL	---	---	0.00	43.35	138.60	17.25	12.80	20.09	70.92	155.60	---	---
MEAN	---	---	.000	1.44	4.47	.57	.41	.65	2.36	5.02	---	---
MAX	---	---	.00	6.7	7.2	3.6	1.6	2.3	7.0	8.2	---	---
MIN	---	---	.00	.00	.00	.00	.00	.00	.00	.00	---	---
AC-FT	---	---	.00	86	275	34	25	40	141	309	---	---

CAL YR 1994 TOTAL 458.61 MEAN 2.11 MAX 8.2 MIN .00 AC-FT 910

United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Water Resources Division
230 Collins Road
Boise, Idaho 83702-4520

December 3, 1996

RECEIVED
DEC 05 1996
Department of Water Resources

Mr. James E. Stanton
Senior Water Resources Agent
Department of Water Resources
222 Shoshone Street East
Twin Falls, Idaho 83301-6105

Re: High Plains States Ground-Water Recharge Demonstration Program-Southwest Irrigation District-Dry Creek recharge sites

Dear Jim,

Enclosed as you requested are tables of mean-daily rates of recharge for the three Southwest Irrigation District's recharge sites on Dry Creek. I have included tables for 1994, 1995, and 1996. The tables are identified by site number. Site 3 is located on the Funk Farm (formerly the Coiner Farm) and has two injection wells. Site 4 is located on the Myers Ranch and has one injection well. Site 5 is located at Craner gravel pit. The annual recharge for each well or site is given at the bottom of each table. If you have any questions please call me at (208) 387-1314.

Sincerely,

Bill

H.W. Young
Hydrologist

Enclosures

Copy to: William Parsons
Garr Wayment
Galen Myers

STATION NUMBER 13088412 DRY CR INJECT SITE 3 12S-20E-6BAC2 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422451 LONGITUDE 1140938 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.16	---	---	---	---	---	---	---
2	---	---	---	.00	.06	---	---	---	---	---	---	---
3	---	---	---	.00	.71	---	---	---	---	---	---	---
4	---	---	---	.00	.95	---	---	---	---	---	---	---
5	---	---	---	.00	.00	---	---	---	---	---	---	---
6	---	---	---	.00	.00	---	---	---	---	---	---	---
7	---	---	---	.00	.00	---	---	---	---	---	---	---
8	---	---	---	.00	.00	---	---	---	---	---	---	---
9	---	---	---	.00	.00	---	---	---	---	---	---	---
10	---	---	---	.00	.00	---	---	---	---	---	---	---
11	---	---	---	.00	.00	---	---	---	---	---	---	---
12	---	---	---	.00	.00	---	---	---	---	---	---	---
13	---	---	---	.00	.00	---	---	---	---	---	---	---
14	---	---	---	.00	.00	---	---	---	---	---	---	---
15	---	---	---	1.4	.00	---	---	---	---	---	---	---
16	---	---	---	3.5	.00	---	---	---	---	---	---	---
17	---	---	---	3.3	.00	---	---	---	---	---	---	---
18	---	---	---	.94	.00	---	---	---	---	---	---	---
19	---	---	---	.02	.00	---	---	---	---	---	---	---
20	---	---	---	.00	.00	---	---	---	---	---	---	---
21	---	---	---	.00	.00	---	---	---	---	---	---	---
22	---	---	---	.00	.00	---	---	---	---	---	---	---
23	---	---	---	.00	.00	---	---	---	---	---	---	---
24	---	---	---	.00	.00	---	---	---	---	---	---	---
25	---	---	---	.00	.00	---	---	---	---	---	---	---
26	---	---	---	.00	.00	---	---	---	---	---	---	---
27	---	---	---	.01	.00	---	---	---	---	---	---	---
28	---	---	---	.18	.00	---	---	---	---	---	---	---
29	---	---	.00	.17	.00	---	---	---	---	---	---	---
30	---	---	.00	.26	.00	---	---	---	---	---	---	---
31	---	---	.00	---	.00	---	---	---	---	---	---	---
TOTAL	---	---	0.00	9.78	1.88	---	---	---	---	---	---	---
MEAN	---	---	.000	.33	.061	---	---	---	---	---	---	---
MAX	---	---	.00	3.5	.95	---	---	---	---	---	---	---
MIN	---	---	.00	.00	.00	---	---	---	---	---	---	---
AC-FT	---	---	.00	19	3.7	---	---	---	---	---	---	---

CAL YR 1994 TOTAL 11.66 MEAN .18 MAX 3.5 MIN .00 AC-FT 23

Inj. Well #4&5

STATION NUMBER 13088412 DRY CR INJECT SITE 3 12S-20E-6BAC2 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422451 LONGITUDE 1140938 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1995
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.00	.00	.46	.03	.00	---	---	---	---	---
2	---	.00	.00	.00	.23	.00	.00	---	---	---	---	---
3	---	.00	.00	.00	.00	1.8	.00	---	---	---	---	---
4	---	.00	.00	.60	.00	4.6	.00	---	---	---	---	---
5	---	.00	.00	3.5	.00	4.2	.00	---	---	---	---	---
6	---	.65	.00	4.7	.00	5.5	.00	---	---	---	---	---
7	---	.90	.00	4.5	.00	5.8	.00	---	---	---	---	---
8	---	.15	.00	4.0	.00	5.4	.00	---	---	---	---	---
9	---	.00	.00	2.1	.00	3.9	.00	---	---	---	---	---
10	---	.00	.00	2.8	.00	3.3	.00	---	---	---	---	---
11	---	.00	.00	3.4	.00	3.2	.00	---	---	---	---	---
12	---	.00	.00	2.7	.00	3.1	.00	---	---	---	---	---
13	---	.00	.00	3.0	.06	3.1	.00	---	---	---	---	---
14	---	.00	.00	3.5	.02	3.0	.00	---	---	---	---	---
15	---	.00	.38	3.1	.00	1.8	.00	---	---	---	---	---
16	---	.00	1.2	3.1	.71	.12	.00	---	---	---	---	---
17	---	.00	1.5	2.9	1.7	.00	.00	---	---	---	---	---
18	---	.00	1.5	2.6	.65	.00	.00	---	---	---	---	---
19	---	.00	1.5	2.7	1.0	.00	.00	---	---	---	---	---
20	---	.00	1.6	2.7	2.2	.00	.00	---	---	---	---	---
21	---	.00	2.1	2.5	2.2	.00	.00	---	---	---	---	---
22	---	.00	1.8	2.7	4.9	.00	.00	---	---	---	---	---
23	---	.00	2.6	2.0	5.0	.00	.00	---	---	---	---	---
24	---	.00	4.5	1.7	5.2	.00	.00	---	---	---	---	---
25	---	.00	5.1	1.4	5.3	.00	.00	---	---	---	---	---
26	.00	.00	4.8	2.2	5.2	.00	.00	---	---	---	---	---
27	.00	.00	3.1	3.1	5.5	.00	.00	---	---	---	---	---
28	.00	.00	1.7	3.0	5.5	.00	.00	---	---	---	---	---
29	.00	---	1.6	2.7	4.8	.00	.00	---	---	---	---	---
30	.00	---	.70	2.4	4.5	.00	.00	---	---	---	---	---
31	.00	---	.00	---	3.0	---	.00	---	---	---	---	---
TOTAL	0.00	1.70	35.68	75.60	58.13	48.85	0.00	---	---	---	---	---
MEAN	.000	.061	1.15	2.52	1.88	1.63	.000	---	---	---	---	---
MAX	.00	.90	5.1	4.7	5.5	5.8	.00	---	---	---	---	---
MIN	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
AC-FT	.00	3.4	71	150	115	97	.00	---	---	---	---	---

CAL YR 1995 TOTAL 219.96 MEAN 1.18 MAX 5.8 MIN .00 AC-FT 436

STATION NUMBER 13088412 DRY CR INJECT SITE 3 12S-20E-6BAC2 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422451 LONGITUDE 1140938 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1996
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	2.6	e2.4	.00	.00	---	---	---	---	---	---
2	---	.00	1.1	e2.6	.00	.00	---	---	---	---	---	---
3	---	.00	2.7	e2.6	.00	.00	---	---	---	---	---	---
4	---	.00	2.9	e2.9	.00	.00	---	---	---	---	---	---
5	---	.00	3.0	e2.6	.00	.00	---	---	---	---	---	---
6	---	.00	3.0	e2.6	.00	.00	---	---	---	---	---	---
7	---	.00	3.0	e2.6	.00	.00	---	---	---	---	---	---
8	---	.00	3.0	e2.6	.00	.00	---	---	---	---	---	---
9	---	.00	3.0	e2.6	.00	.00	---	---	---	---	---	---
10	---	.00	3.0	e2.6	.00	.00	---	---	---	---	---	---
11	---	.00	2.7	e2.6	.00	.00	---	---	---	---	---	---
12	---	1.3	2.6	e2.6	.00	.00	---	---	---	---	---	---
13	---	2.7	2.9	e2.8	.00	.00	---	---	---	---	---	---
14	---	2.6	2.9	e2.7	.00	.00	---	---	---	---	---	---
15	---	2.4	3.0	e2.7	.00	.00	---	---	---	---	---	---
16	---	2.1	3.3	e2.8	.00	.00	---	---	---	---	---	---
17	---	.50	3.3	e2.8	.00	.00	---	---	---	---	---	---
18	---	2.5	2.1	e2.8	.00	.00	---	---	---	---	---	---
19	---	2.8	.00	e2.8	.00	.00	---	---	---	---	---	---
20	---	2.8	.75	e2.8	.54	.00	---	---	---	---	---	---
21	---	2.8	2.9	2.7	.00	.00	---	---	---	---	---	---
22	---	2.8	2.8	2.7	.00	.00	---	---	---	---	---	---
23	---	2.9	3.0	2.7	.00	.00	---	---	---	---	---	---
24	---	2.8	3.0	2.7	.00	.00	---	---	---	---	---	---
25	---	2.1	2.8	2.7	.00	.00	---	---	---	---	---	---
26	---	1.4	2.8	2.7	.00	.00	---	---	---	---	---	---
27	---	2.7	e2.8	2.7	.14	.00	---	---	---	---	---	---
28	---	2.8	e2.8	2.7	2.2	.00	---	---	---	---	---	---
29	---	2.8	e2.8	1.9	1.0	.00	---	---	---	---	---	---
30	---	---	e2.8	.00	.00	.00	---	---	---	---	---	---
31	---	---	e2.8	---	.00	---	---	---	---	---	---	---
TOTAL	---	42.80	82.15	77.00	3.88	0.00	---	---	---	---	---	---
MEAN	---	1.48	2.65	2.57	.13	.000	---	---	---	---	---	---
MAX	---	2.9	3.3	2.9	2.2	.00	---	---	---	---	---	---
MIN	---	.00	.00	.00	.00	.00	---	---	---	---	---	---
AC-FT	---	85	163	153	7.7	.00	---	---	---	---	---	---

CAL YR 1996 TOTAL 205.83 MEAN 1.36 MAX 3.3 MIN .00 AC-FT 408

e Estimated

STATION NUMBER 130884125 DRY CR INJECT SITE 3 12S-20E-6BBD3 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422453 LONGITUDE 1140938 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.59	---	---	---	---	---	---	---
2	---	---	---	.00	1.5	---	---	---	---	---	---	---
3	---	---	---	.00	.83	---	---	---	---	---	---	---
4	---	---	---	.00	.37	---	---	---	---	---	---	---
5	---	---	---	.00	1.3	---	---	---	---	---	---	---
6	---	---	---	.00	1.3	---	---	---	---	---	---	---
7	---	---	---	.00	1.3	---	---	---	---	---	---	---
8	---	---	---	.00	1.3	---	---	---	---	---	---	---
9	---	---	---	.00	.40	---	---	---	---	---	---	---
10	---	---	---	.00	.00	---	---	---	---	---	---	---
11	---	---	---	.00	.00	---	---	---	---	---	---	---
12	---	---	---	.00	.00	---	---	---	---	---	---	---
13	---	---	---	.00	.00	---	---	---	---	---	---	---
14	---	---	---	1.1	.00	---	---	---	---	---	---	---
15	---	---	---	1.9	.00	---	---	---	---	---	---	---
16	---	---	---	1.1	.00	---	---	---	---	---	---	---
17	---	---	---	1.2	.00	---	---	---	---	---	---	---
18	---	---	---	2.0	.00	---	---	---	---	---	---	---
19	---	---	---	1.8	.00	---	---	---	---	---	---	---
20	---	---	---	.60	.00	---	---	---	---	---	---	---
21	---	---	---	.00	.00	---	---	---	---	---	---	---
22	---	---	---	.00	.00	---	---	---	---	---	---	---
23	---	---	---	5.00	.00	---	---	---	---	---	---	---
24	---	---	---	.00	.00	---	---	---	---	---	---	---
25	---	---	---	.00	.00	---	---	---	---	---	---	---
26	---	---	---	.89	.00	---	---	---	---	---	---	---
27	---	---	---	.80	.00	---	---	---	---	---	---	---
28	---	---	---	.18	.00	---	---	---	---	---	---	---
29	---	---	.00	.03	.00	---	---	---	---	---	---	---
30	---	---	.00	.22	.00	---	---	---	---	---	---	---
31	---	---	.00	---	.00	---	---	---	---	---	---	---
TOTAL	---	---	0.00	11.82	8.89	---	---	---	---	---	---	---
MEAN	---	---	.000	.39	.29	---	---	---	---	---	---	---
MAX	---	---	.00	2.0	1.5	---	---	---	---	---	---	---
MIN	---	---	.00	.00	.00	---	---	---	---	---	---	---
AC-FT	---	---	.00	23	18	---	---	---	---	---	---	---

CAL YR 1994 TOTAL 20.71 MEAN .32 MAX 2.0 MIN .00 AC-FT 41

STATION NUMBER 130884125 DRY CR INJECT SITE 3 12S-20E-6BBD3 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422453 LONGITUDE 1140938 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1995
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.00	.00	.14	.02	.14	---	---	---	---	---
2	---	.00	.00	.00	.00	.00	.00	---	---	---	---	---
3	---	.00	.00	.00	.00	1.4	.00	---	---	---	---	---
4	---	.00	.00	.00	.00	3.1	.00	---	---	---	---	---
5	---	.00	.00	.00	.00	1.6	.00	---	---	---	---	---
6	---	.05	.00	.24	.00	2.1	.00	---	---	---	---	---
7	---	.37	.00	.77	.00	4.2	.00	---	---	---	---	---
8	---	.56	.00	1.4	.00	4.4	.00	---	---	---	---	---
9	---	.00	.00	1.6	.00	3.8	.00	---	---	---	---	---
10	---	.00	.00	1.6	.00	3.5	.00	---	---	---	---	---
11	---	.00	.00	1.3	.00	3.4	.00	---	---	---	---	---
12	---	.00	.00	1.6	.75	3.3	.00	---	---	---	---	---
13	---	.00	.00	1.6	3.6	3.3	.00	---	---	---	---	---
14	---	.00	.05	1.5	4.6	3.3	.00	---	---	---	---	---
15	---	.00	.21	1.5	4.2	2.4	.00	---	---	---	---	---
16	---	.00	1.0	1.6	4.5	.08	.00	---	---	---	---	---
17	---	.00	1.6	1.5	6.0	.00	.00	---	---	---	---	---
18	---	.00	1.6	1.5	5.4	.00	.00	---	---	---	---	---
19	---	.00	1.6	1.4	4.0	.00	.00	---	---	---	---	---
20	---	.00	1.6	1.4	2.9	.00	.00	---	---	---	---	---
21	---	.00	2.1	1.4	2.6	.04	.00	---	---	---	---	---
22	---	.00	2.5	1.5	2.5	.25	.00	---	---	---	---	---
23	---	.00	2.4	1.5	3.1	.00	.00	---	---	---	---	---
24	---	.00	2.3	1.6	3.4	.00	.00	---	---	---	---	---
25	---	.00	1.3	1.3	2.9	.00	.00	---	---	---	---	---
26	.00	.00	.93	1.2	2.0	.00	.00	---	---	---	---	---
27	.00	.00	.52	1.2	.96	.00	.00	---	---	---	---	---
28	.00	.00	.72	1.2	.89	.00	.00	---	---	---	---	---
29	.00	---	1.5	1.1	.88	.00	.00	---	---	---	---	---
30	.00	---	1.1	.14	.78	.00	.00	---	---	---	---	---
31	.00	---	.07	---	.00	---	.00	---	---	---	---	---
TOTAL	0.00	0.98	23.10	32.65	56.10	40.19	0.14	---	---	---	---	---
MEAN	.000	.035	.75	1.09	1.81	1.34	.005	---	---	---	---	---
MAX	.00	.56	2.5	1.6	6.0	4.4	.14	---	---	---	---	---
MIN	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
AC-FT	.00	1.9	46	65	111	80	.3	---	---	---	---	---

CAL YR 1995 TOTAL 153.16 MEAN .82 MAX 6.0 MIN .00 AC-FT 304

STATION NUMBER 130884125 DRY CR INJECT SITE 3 12S-20E-6BBD3 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422453 LONGITUDE 1140938 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1996
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	1.9	2.4	.00	.00	---	---	---	---	---	---
2	---	.00	1.1	4.3	.00	.00	---	---	---	---	---	---
3	---	.00	1.2	5.6	.00	.00	---	---	---	---	---	---
4	---	.00	2.9	5.8	.00	.00	---	---	---	---	---	---
5	---	.00	4.6	4.3	.00	.00	---	---	---	---	---	---
6	---	.00	4.7	3.9	.00	.00	---	---	---	---	---	---
7	---	.03	4.5	3.8	.00	.00	---	---	---	---	---	---
8	---	.20	4.6	3.7	.00	.00	---	---	---	---	---	---
9	---	.42	1.6	3.6	.00	.00	---	---	---	---	---	---
10	---	.52	.00	3.7	.00	.00	---	---	---	---	---	---
11	---	.74	.76	3.6	.00	.00	---	---	---	---	---	---
12	---	3.0	1.6	3.6	.00	.00	---	---	---	---	---	---
13	---	5.1	4.5	3.6	.00	.00	---	---	---	---	---	---
14	---	5.1	4.5	3.6	.00	.00	---	---	---	---	---	---
15	---	3.5	4.6	3.6	.00	.00	---	---	---	---	---	---
16	---	2.9	4.2	3.6	.00	.00	---	---	---	---	---	---
17	---	3.2	4.1	3.6	.00	.00	---	---	---	---	---	---
18	---	1.7	2.6	3.6	.00	.00	---	---	---	---	---	---
19	---	2.8	.00	3.6	.00	.00	---	---	---	---	---	---
20	---	3.2	.68	3.5	1.9	.00	---	---	---	---	---	---
21	---	2.6	.90	3.5	4.9	.00	---	---	---	---	---	---
22	---	2.3	.46	3.5	5.0	.00	---	---	---	---	---	---
23	---	1.6	.45	3.5	5.4	.00	---	---	---	---	---	---
24	---	1.2	.33	3.5	5.0	.00	---	---	---	---	---	---
25	---	1.5	.32	3.5	5.2	.00	---	---	---	---	---	---
26	---	3.2	.26	3.5	4.9	.00	---	---	---	---	---	---
27	---	3.0	2.1	3.5	5.3	.00	---	---	---	---	---	---
28	---	2.7	4.9	3.5	5.3	.00	---	---	---	---	---	---
29	---	2.7	5.1	2.3	2.2	.00	---	---	---	---	---	---
30	---	---	4.1	.00	.00	.00	---	---	---	---	---	---
31	---	---	4.6	---	.00	---	---	---	---	---	---	---
TOTAL	---	53.21	78.16	107.30	45.10	0.00	---	---	---	---	---	---
MEAN	---	1.83	2.52	3.58	1.45	.000	---	---	---	---	---	---
MAX	---	5.1	5.1	5.8	5.4	.00	---	---	---	---	---	---
MIN	---	.00	.00	.00	.00	.00	---	---	---	---	---	---
AC-FT	---	106	155	213	89	.00	---	---	---	---	---	---

CAL YR 1996 TOTAL 283.77 MEAN 1.88 MAX 5.8 MIN .00 AC-FT 563

STATION NUMBER 13088405 DRY CR INJECT SITE 4 12S-19E-2ADC2 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422437 LONGITUDE 1141138 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	6.0	.00	.04	.31	.21	.00	---	---
2	---	---	---	.00	5.8	.00	.03	.03	.18	.00	---	---
3	---	---	---	.00	5.9	.00	.00	.00	.11	.00	---	---
4	---	---	---	.00	6.4	.00	.00	.07	.00	.00	---	---
5	---	---	---	.00	6.2	.00	.09	.05	.00	.00	---	---
6	---	---	---	.00	6.4	.00	.06	.00	.00	.00	---	---
7	---	---	---	.00	5.4	.02	.00	.00	.03	.00	---	---
8	---	---	---	.00	3.2	.11	.00	.04	.00	.00	---	---
9	---	---	---	.00	.67	.00	.28	.31	.00	.00	---	---
10	---	---	---	.00	.00	.00	.17	.29	.13	.00	---	---
11	---	---	---	.00	.00	.00	.04	.29	.40	.00	---	---
12	---	---	---	.00	.00	.00	.00	.19	.24	.00	---	---
13	---	---	---	.00	.00	.00	.36	.48	.00	---	---	---
14	---	---	---	.00	.00	.00	.43	.05	.00	---	---	---
15	---	---	---	.00	.84	.00	.22	.00	.00	---	---	---
16	---	---	---	.00	1.3	.00	.10	.16	.00	---	---	---
17	---	---	---	.00	2.3	.00	.11	.09	.00	---	---	---
18	---	---	---	.00	5.0	.00	.00	.05	.00	---	---	---
19	---	---	---	.00	4.8	.13	.08	.27	.00	---	---	---
20	---	---	---	.00	5.2	.29	.08	.09	.02	---	---	---
21	---	---	---	.00	5.1	.11	.13	.13	.02	---	---	---
22	---	---	---	.33	4.1	.21	.14	.09	.00	---	---	---
23	---	---	---	.46	2.0	.07	.13	.00	.20	---	---	---
24	---	---	---	.00	2.8	.00	.00	.22	.00	---	---	---
25	---	---	---	.00	1.9	.00	.01	.05	.00	---	---	---
26	---	---	---	.10	.41	.00	.28	.16	.05	---	---	---
27	---	---	---	1.3	.00	.00	.08	.18	.26	---	---	---
28	---	---	---	1.9	.00	.01	.01	.05	.00	---	---	---
29	---	---	---	6.0	.00	.00	.00	.00	.00	---	---	---
30	---	---	.00	5.5	.00	.03	.02	.00	.00	---	---	---
31	---	---	.00	---	.00	---	.28	.19	---	---	---	---
TOTAL	---	---	0.00	15.59	81.72	0.98	3.17	3.84	1.85	0.00	---	---
MEAN	---	---	.000	.52	2.64	.033	.10	.12	.062	.000	---	---
MAX	---	---	.00	6.0	6.4	.29	.43	.48	.40	.00	---	---
MIN	---	---	.00	.00	.00	.00	.00	.00	.00	.00	---	---
AC-FT	---	---	.00	31	162	1.9	6.3	7.6	3.7	.00	---	---

CAL YR 1994 TOTAL 107.15 MEAN .54 MAX 6.4 MIN .00 AC-FT 213

Inj. Well #1

STATION NUMBER 13088405 DRY CR INJECT SITE 4 12S-19E-2ADC2 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422437 LONGITUDE 1141138 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1995
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.00	6.7	5.3	.00	.00	.00	.00	---	---	---
2	---	e3.0	.00	5.8	5.4	.00	.00	.00	.00	---	---	---
3	---	e5.2	.00	5.9	5.6	.06	.00	.00	.00	---	---	---
4	---	7.1	.00	4.1	5.4	.00	.00	.00	.00	---	---	---
5	---	7.6	.00	1.2	5.1	.35	.00	.00	.00	---	---	---
6	---	5.6	.00	4.0	4.8	3.5	.00	.00	.00	---	---	---
7	---	3.3	.00	1.4	4.6	6.5	.00	.00	.00	---	---	---
8	---	3.6	.00	4.6	4.7	5.3	.00	.00	.00	---	---	---
9	---	1.5	.00	6.9	5.0	4.7	.00	.00	.00	---	---	---
10	---	1.4	.00	6.8	5.1	6.0	.00	.00	.05	---	---	---
11	---	e1.7	.00	6.7	5.2	5.6	.00	.00	.13	---	---	---
12	---	1.5	.00	6.8	5.3	4.7	.00	.02	.00	---	---	---
13	---	e1.5	.00	6.5	5.3	2.7	.00	.00	.00	---	---	---
14	---	e1.3	.00	6.5	5.2	3.4	.00	.00	.00	---	---	---
15	---	e1.0	.00	6.5	5.0	6.2	.00	.00	.00	---	---	---
16	---	1.0	.00	6.2	5.0	5.8	.00	.00	.00	---	---	---
17	---	.96	.00	6.0	5.0	5.6	.00	.00	.00	---	---	---
18	---	.98	.00	6.0	4.9	5.2	.00	.00	.00	---	---	---
19	---	1.3	.00	5.9	4.9	5.1	.00	.00	.00	---	---	---
20	---	1.4	.00	5.9	4.8	5.3	.00	.04	.00	---	---	---
21	---	e1.6	.00	5.9	4.7	5.2	.04	.00	.00	---	---	---
22	---	e1.6	1.9	4.5	4.5	5.2	.00	.00	.00	---	---	---
23	---	1.6	6.3	2.1	3.8	3.2	.00	.00	.00	---	---	---
24	---	1.8	6.4	2.9	6.4	5.1	.00	.00	.00	---	---	---
25	---	1.9	6.3	2.3	6.0	5.3	.02	.00	.00	---	---	---
26	---	2.0	6.5	5.5	5.8	.65	.00	.00	.00	---	---	---
27	---	1.9	6.4	4.2	5.4	.06	.00	.00	.00	---	---	---
28	---	.03	6.4	4.6	5.3	.09	.00	.05	.00	---	---	---
29	---	---	6.4	5.3	5.3	.61	.00	.00	.00	---	---	---
30	---	---	6.4	5.6	2.9	.00	.00	.00	.00	---	---	---
31	---	---	6.7	---	.96	---	.00	.00	---	---	---	---
TOTAL	---	63.37	59.70	153.3	152.66	101.42	0.06	0.11	0.18	---	---	---
MEAN	---	2.26	1.93	5.11	4.92	3.38	.002	.004	.006	---	---	---
MAX	---	7.6	6.7	6.9	6.4	6.5	.04	.05	.13	---	---	---
MIN	---	.00	.00	1.2	.96	.00	.00	.00	.00	---	---	---
AC-FT	---	126	118	304	303	201	.1	.2	.4	---	---	---

CAL YR 1995 TOTAL 530.80 MEAN 2.19 MAX 7.6 MIN .00 AC-FT 1050

e Estimated

STATION NUMBER 13088405 DRY CR INJECT SITE 4 12S-19E-2ADC2 NR ARTESIAN CTY COASTAL SOURCE AGENCY USGS
LATITUDE 422437 LONGITUDE 1141138 DATUM STATE 16 COUNTY 031

PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1996
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.14	e6.0	e5.3	3.9	.00	---	---	---	---	---
2	---	.00	2.5	5.7	e5.2	4.1	.00	---	---	---	---	---
3	---	.00	.00	5.5	5.1	3.6	.08	---	---	---	---	---
4	---	.00	3.0	5.3	5.1	4.1	.00	---	---	---	---	---
5	---	.00	5.7	5.2	5.0	4.1	.11	---	---	---	---	---
6	---	.00	5.7	e5.1	4.9	4.0	.01	---	---	---	---	---
7	---	.00	5.6	e5.1	4.7	3.9	.17	---	---	---	---	---
8	---	.00	5.6	e5.2	4.6	3.9	.00	---	---	---	---	---
9	---	.00	5.6	e5.3	4.6	3.8	.00	---	---	---	---	---
10	---	.00	5.4	5.1	4.3	3.8	.00	---	---	---	---	---
11	---	.00	5.2	4.9	4.1	3.2	.00	---	---	---	---	---
12	---	.00	4.9	4.7	3.9	.68	.00	---	---	---	---	---
13	---	.00	4.8	4.8	4.4	.25	.00	---	---	---	---	---
14	---	.00	4.6	4.7	4.6	.00	.00	---	---	---	---	---
15	---	.56	4.5	4.6	4.3	.00	.00	---	---	---	---	---
16	---	4.1	2.5	4.6	4.1	.00	.00	---	---	---	---	---
17	---	5.8	4.4	4.7	4.0	.18	.00	---	---	---	---	---
18	---	5.5	4.4	5.1	3.9	.68	.00	---	---	---	---	---
19	---	5.9	4.3	5.0	3.9	.20	.00	---	---	---	---	---
20	---	5.7	4.3	4.7	3.9	.00	.00	---	---	---	---	---
21	---	5.7	4.2	4.7	4.2	.00	.00	---	---	---	---	---
22	---	5.8	4.2	4.6	4.5	.00	.00	---	---	---	---	---
23	---	5.2	4.2	4.7	4.6	.00	.00	---	---	---	---	---
24	---	6.0	4.1	4.5	4.4	.00	.00	---	---	---	---	---
25	---	6.0	4.1	5.0	4.2	.00	.00	---	---	---	---	---
26	---	3.0	4.1	4.9	4.1	.63	.00	---	---	---	---	---
27	---	.00	e4.1	4.8	4.1	.33	.00	---	---	---	---	---
28	---	.00	3.9	4.7	4.0	.15	.00	---	---	---	---	---
29	---	.00	4.0	4.7	3.9	.73	.00	---	---	---	---	---
30	---	---	e4.1	e5.4	3.8	.28	.00	---	---	---	---	---
31	---	---	e4.0	---	2.6	---	.00	---	---	---	---	---
TOTAL	---	59.26	128.14	149.3	134.3	46.51	0.37	---	---	---	---	---
MEAN	---	2.04	4.13	4.98	4.33	1.55	.012	---	---	---	---	---
MAX	---	6.0	5.7	6.0	5.3	4.1	.17	---	---	---	---	---
MIN	---	.00	.00	4.5	2.6	.00	.00	---	---	---	---	---
AC-FT	---	118	254	296	266	92	.7	---	---	---	---	---

CAL YR 1996 TOTAL 517.88 MEAN 2.85 MAX 6.0 MIN .00 AC-FT 1030

e Estimated

STATION NUMBER 13088415 PARSHALL FLUME AT INJECTION SITE 5 NR ARTESIAN CTY STREAM SOURCE AGENCY USGS
LATITUDE 422522 LONGITUDE 1141050 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 031
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.00	.00	.00	---	---	---	---	---	---	---
2	---	---	.00	.00	.00	---	---	---	---	---	---	---
3	---	---	.00	.00	.73	---	---	---	---	---	---	---
4	---	---	.00	.00	1.7	---	---	---	---	---	---	---
5	---	---	.00	.00	1.9	---	---	---	---	---	---	---
6	---	---	.00	.00	2.0	---	---	---	---	---	---	---
7	---	---	.00	.00	2.3	---	---	---	---	---	---	---
8	---	---	.00	.00	2.4	---	---	---	---	---	---	---
9	---	---	.00	.00	1.8	---	---	---	---	---	---	---
10	---	---	.00	.00	1.4	---	---	---	---	---	---	---
11	---	---	.00	.00	.70	---	---	---	---	---	---	---
12	---	---	.00	.00	.09	---	---	---	---	---	---	---
13	---	---	.00	.00	.00	---	---	---	---	---	---	---
14	---	---	.00	.00	.00	---	---	---	---	---	---	---
15	---	---	.00	.00	.00	---	---	---	---	---	---	---
16	---	---	.00	.00	.00	---	---	---	---	---	---	---
17	---	---	.00	.00	.00	---	---	---	---	---	---	---
18	---	---	.00	.00	e.00	---	---	---	---	---	---	---
19	---	---	.00	.00	e.00	---	---	---	---	---	---	---
20	---	---	.00	.07	e.00	---	---	---	---	---	---	---
21	---	---	.00	.05	e.71	---	---	---	---	---	---	---
22	---	---	.00	.00	1.2	---	---	---	---	---	---	---
23	---	.00	.00	.04	e.21	---	---	---	---	---	---	---
24	---	.00	.00	.03	e.00	---	---	---	---	---	---	---
25	---	.00	.00	.00	e.00	---	---	---	---	---	---	---
26	---	.00	.00	.00	e.00	---	---	---	---	---	---	---
27	---	.00	.00	.00	e.00	---	---	---	---	---	---	---
28	---	.00	.00	.00	e.00	---	---	---	---	---	---	---
29	---	---	.00	.00	e.00	---	---	---	---	---	---	---
30	---	---	.00	.00	e.00	---	---	---	---	---	---	---
31	---	---	.00	---	e.00	---	---	---	---	---	---	---
TOTAL	---	0.00	0.00	0.19	17.14	---	---	---	---	---	---	---
MEAN	---	.000	.000	.006	.55	---	---	---	---	---	---	---
MAX	---	.00	.00	.07	2.4	---	---	---	---	---	---	---
MIN	---	.00	.00	.00	.00	---	---	---	---	---	---	---
AC-FT	---	.00	.00	.4	34	---	---	---	---	---	---	---

CAL YR 1994 TOTAL 17.33 MEAN .18 MAX 2.4 MIN .00 AC-FT 34

e Estimated

Inj. Well # 697

STATION NUMBER 13088415 PARSHALL FLUME AT INJECTION SITE 5 NR ARTESIAN CTY STREAM SOURCE AGENCY USGS
LATITUDE 422522 LONGITUDE 1141050 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 031
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1995
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.00	3.3	2.3	.07	.00	---	---	---	---	---
2	---	---	.00	1.7	4.3	.02	.00	---	---	---	---	---
3	---	---	.00	1.2	3.9	.23	.00	---	---	---	---	---
4	---	---	.00	1.4	2.5	.00	.00	---	---	---	---	---
5	---	---	.00	.49	1.3	.44	.00	---	---	---	---	---
6	---	---	.00	.00	.87	2.8	.00	---	---	---	---	---
7	---	---	.00	.00	1.0	2.2	.00	---	---	---	---	---
8	---	---	.00	.31	.16	1.4	.00	---	---	---	---	---
9	---	---	.00	3.2	.00	.05	.00	---	---	---	---	---
10	---	---	.00	2.7	.00	2.0	.00	---	---	---	---	---
11	---	---	.00	1.8	.00	1.2	.00	---	---	---	---	---
12	---	---	.00	1.9	.00	1.2	.00	---	---	---	---	---
13	---	---	.00	2.0	.00	.62	.00	---	---	---	---	---
14	---	---	.00	2.0	.00	.19	.00	---	---	---	---	---
15	---	---	.00	2.0	.24	.01	.00	---	---	---	---	---
16	---	---	.00	2.0	3.3	.01	.00	---	---	---	---	---
17	---	---	.00	1.9	3.4	.28	.00	---	---	---	---	---
18	---	---	.00	1.9	3.1	.85	.00	---	---	---	---	---
19	---	---	.00	1.8	2.6	.81	.00	---	---	---	---	---
20	---	---	.00	.73	2.0	.47	.00	---	---	---	---	---
21	---	---	.00	.69	1.8	1.1	.00	---	---	---	---	---
22	---	---	.65	.64	1.7	.69	.00	---	---	---	---	---
23	---	---	2.1	.62	.14	.31	.00	---	---	---	---	---
24	---	---	2.0	.57	.24	.05	.00	---	---	---	---	---
25	---	---	1.8	.49	1.7	.01	.00	---	---	---	---	---
26	---	---	1.5	.40	1.5	.32	.00	---	---	---	---	---
27	---	---	1.4	.36	1.0	.45	.00	---	---	---	---	---
28	---	---	1.4	.47	.85	.03	.00	---	---	---	---	---
29	---	---	1.3	.74	.65	.00	.00	---	---	---	---	---
30	---	---	2.4	1.2	.06	.00	.00	---	---	---	---	---
31	---	---	2.8	---	.01	---	.00	---	---	---	---	---
TOTAL	---	---	17.35	37.91	40.62	17.81	0.00	---	---	---	---	---
MEAN	---	---	.56	1.26	1.31	.59	.000	---	---	---	---	---
MAX	---	---	2.8	3.3	4.3	2.8	.00	---	---	---	---	---
MIN	---	---	.00	.00	.00	.00	.00	---	---	---	---	---
AC-FT	---	---	34	75	81	35	.00	---	---	---	---	---

CAL YR 1995 TOTAL 113.69 MEAN .74 MAX 4.3 MIN .00 AC-FT 226

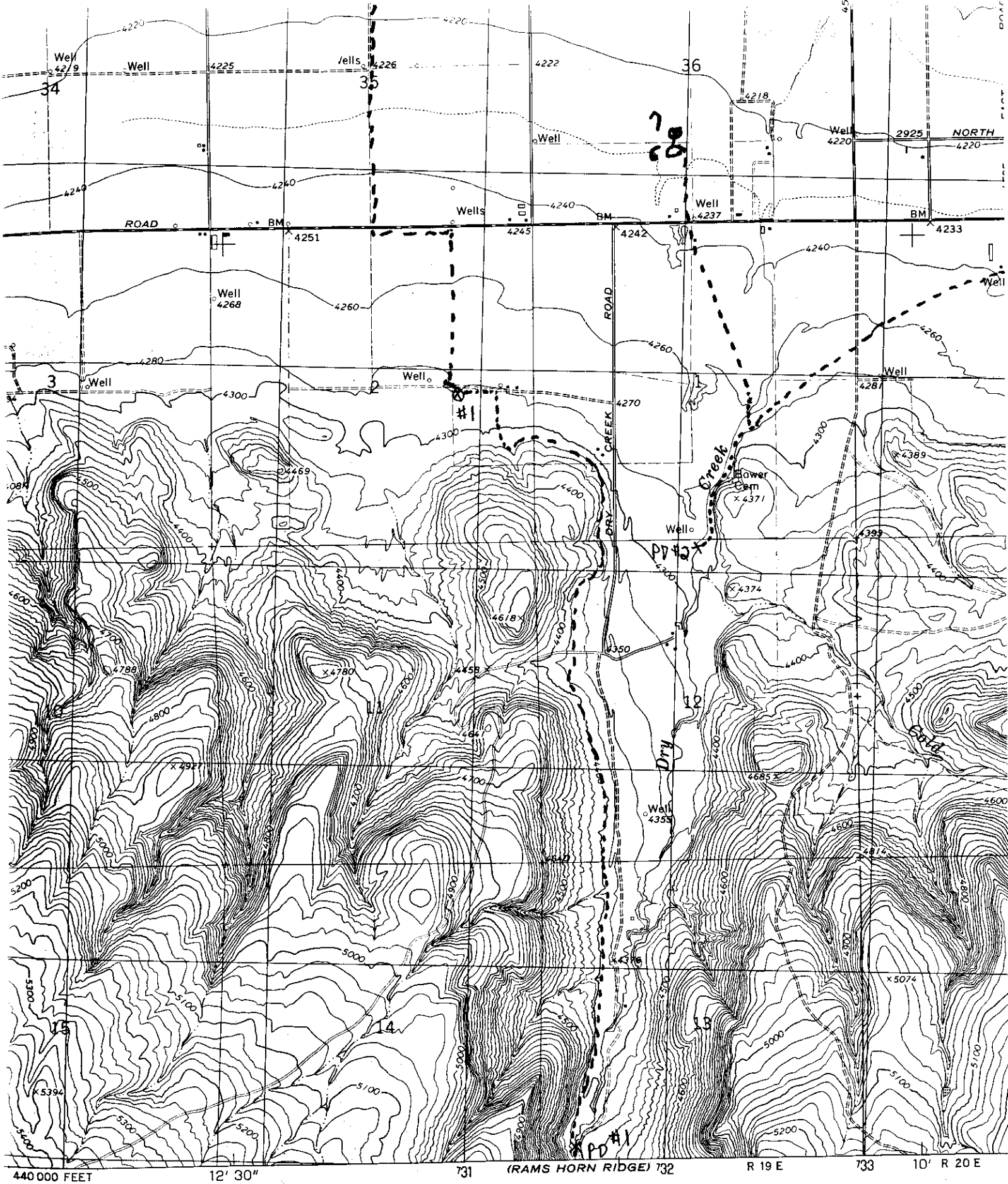
STATION NUMBER 13088415 PARSHALL FLUME AT INJECTION SITE 5 NR ARTESIAN CTY STREAM SOURCE AGENCY USGS
LATITUDE 422522 LONGITUDE 1141050 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 031
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1996
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	.00	.00	.04	.97	1.6	---	---	---	---	---	---
2	---	.00	.00	.47	.94	1.5	---	---	---	---	---	---
3	---	.00	.00	.95	.85	1.5	---	---	---	---	---	---
4	---	.00	.97	1.1	.82	1.5	---	---	---	---	---	---
5	---	.00	1.5	1.3	.78	1.5	---	---	---	---	---	---
6	---	.00	.75	1.5	.76	1.4	---	---	---	---	---	---
7	---	.44	.04	1.6	.94	.69	---	---	---	---	---	---
8	---	e2.2	.04	2.0	1.3	1.3	---	---	---	---	---	---
9	---	2.4	.53	1.1	1.4	.44	---	---	---	---	---	---
10	---	1.6	2.1	.77	1.3	.04	---	---	---	---	---	---
11	---	1.5	3.3	.59	1.3	.21	---	---	---	---	---	---
12	---	.65	2.5	.30	1.4	.00	---	---	---	---	---	---
13	---	.31	1.4	.12	1.4	.18	---	---	---	---	---	---
14	---	.19	1.5	.00	1.1	.26	---	---	---	---	---	---
15	---	.00	1.5	.00	3.1	.12	---	---	---	---	---	---
16	---	.00	1.6	.00	1.9	.00	---	---	---	---	---	---
17	---	.00	.54	.00	1.8	.00	---	---	---	---	---	---
18	---	.00	.21	.00	1.7	.00	---	---	---	---	---	---
19	---	.00	.35	.00	1.7	.00	---	---	---	---	---	---
20	---	.00	2.9	.00	1.6	.00	---	---	---	---	---	---
21	---	.00	.94	.00	1.6	.01	---	---	---	---	---	---
22	---	.00	1.8	.00	1.7	.02	---	---	---	---	---	---
23	---	.00	1.4	.62	1.3	.19	---	---	---	---	---	---
24	---	.00	.87	2.8	1.1	.00	---	---	---	---	---	---
25	---	.00	.74	3.8	.91	.00	---	---	---	---	---	---
26	---	.00	1.2	2.9	.24	.00	---	---	---	---	---	---
27	---	.11	.82	1.9	1.3	.00	---	---	---	---	---	---
28	---	.66	1.2	1.9	2.0	.00	---	---	---	---	---	---
29	---	.00	.00	1.9	2.0	.00	---	---	---	---	---	---
30	---	---	.35	1.3	1.8	.00	---	---	---	---	---	---
31	---	---	.65	---	1.6	---	---	---	---	---	---	---
TOTAL	---	10.06	31.70	28.96	42.61	12.46	---	---	---	---	---	---
MEAN	---	.35	1.02	.97	1.37	.42	---	---	---	---	---	---
MAX	---	2.4	3.3	3.8	3.1	1.6	---	---	---	---	---	---
MIN	---	.00	.00	.00	.24	.00	---	---	---	---	---	---
AC-FT	---	20	63	57	85	25	---	---	---	---	---	---

CAL YR 1996 TOTAL 125.79 MEAN .83 MAX 3.8 MIN .00 AC-FT 250

e Estimated



SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 20 FEET
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MN
GN
1°54'
34 MILS
15°
267 MILS



Check Dam - PD #1



Gate Valve At Head of Ditch



Flume In
Upper Ditch



#2







Inj. Well #2

45-07588
11-6-96 JES



#6

Inj. Point #6



#7

Inj. Well #7



#5

Measuring Point
for Inj. Well #5

45-07588
8-6-96 JES



PD #2 Check Dam



Flume In Lower Ditch



#4

Inj. Well #4



#5

Inj. Well #5

45-07588
8-6-96 JES

Inj. Well #1



#1

45-07588
8-6-96 JES



#3

Inj. Well #3



Observation Well East of Well #3

45-07588
8-6-96 JES