

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
DEC 1 1995
Department of Water Resources

A. GENERAL INFORMATION

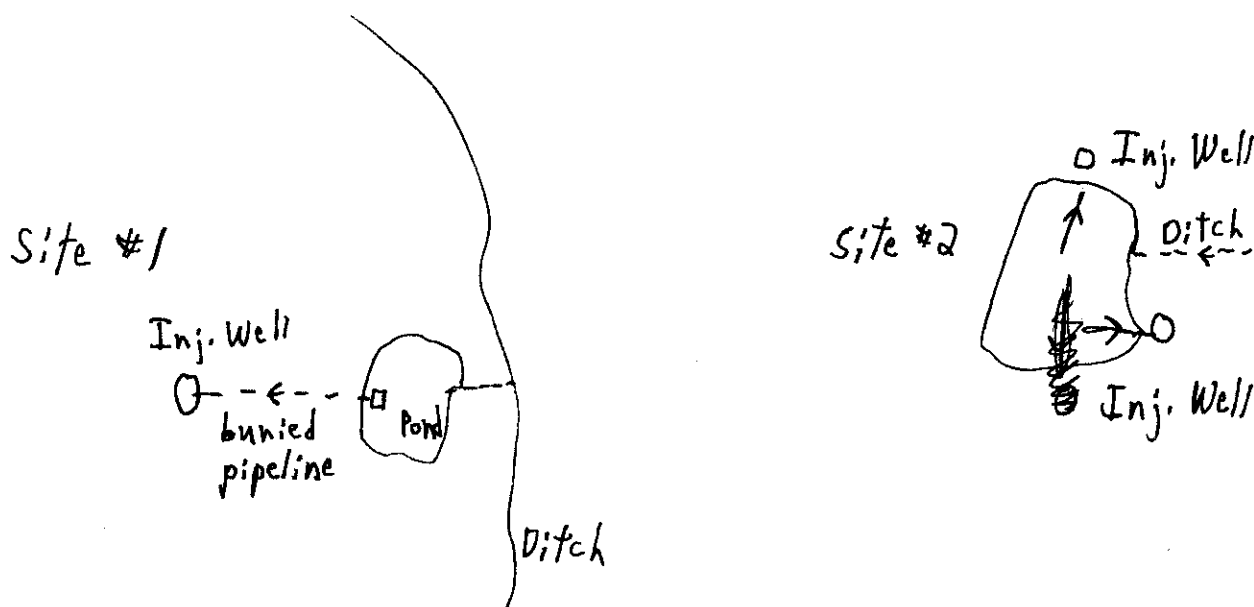
1. Owner: Southwest Irrigation District Permit No. 45-07567
Current Address: PO Box 668, Burley, ID 83318 Phone No. _____
2. Accompanied by: _____ EXAM. DATE: 5-3-95 + 7-5-95
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: Big Cottonwood Creek tributary to Sinks

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____
_____ ☐ Copies Attached
2. Other water rights with same point of diversion: _____
_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = _____.

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and place(s) of use (required). (required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Concrete headgate on Cottonwood Cr. can be adjusted to push water around a rock check and thru another headgate, Parshall Flume to an earth ditch on the west side of the creek. This ditch mainly carries irrigation rights. About 1/2 mile below the PID, a headgate on the west side of the ditch can be opened to allow water to flow into a pond. At the west end of the pond, a screened inlet with USGS measuring station feeds water into an old unused irrigation well via a buried pipeline. Ditch continues in a northwesterly direction to a pond. A pipeline covered with gravel feeds into each of two old wells at the edge of the pond. Both wells have USGS flow meters. See Remarks on page 4 for continuation

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	SE	NW	17	13S	21E	Cassia	USGS quad map

6. Place(s) of Use:

Indicate Method of Determination USGS quad map

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
13S	21E	8												E					
		6																	

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

Measured at both injection wells by permanently-installed USGS equipment. Figures for Site #2 are a total for the 2 injection wells at this site.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

Highest total reading was June 9th 10, 1995, when a rate of 17.1 cfs was being injected. Recommend this amount.

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

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

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

2. Volume Calculations for Other Uses:

USGS data shows 1564 AF injected in 1995.

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Water supply for injection depends on the snow pack in Spring weather. In dry years or when early irrigation water is needed, there may not be any water available for injection. This year appears to be the best year since proof was filed for injection to occur. Recommend volume injected in 1995. Injection site on Big Cedar Canyon was never developed.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Groundwater Recharge	3-1	7-10	17.1	1564
Totals:			17.1	1564

2. Recommended Amendments

- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

J. AUTHENTICATION

Field Examiner's Name J E Stanton

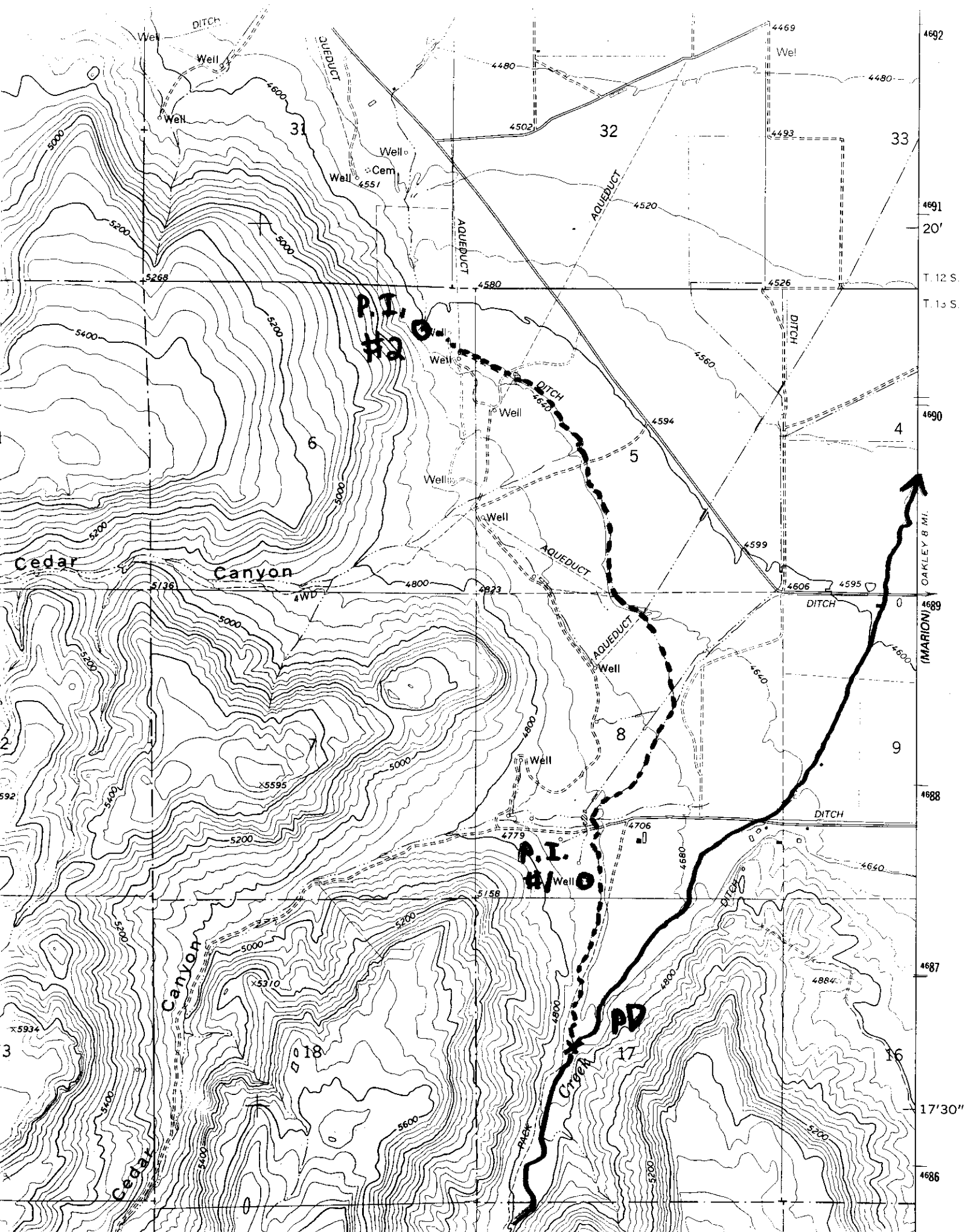
Signature J E Stanton

Certification Date _____

Field Report Preparation Date 12-14-95

CONSULTANT SEAL

- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.





United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Water Resources Division
230 Collins Road
Boise, Idaho 83702-4520

RECEIVED

DEC 06 1995

Department of Water Resources
Southern Region

December 4, 1995

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 - Cottonwood Critical Ground-Water Area

Dear Jim,

Enclosed is the information requested in your letter of August 17, 1995. I have included a map showing the locations of injection and monitoring wells, summary of recharge for the period 1993-95, hydrographs of water levels in observation wells, hydrographs of mean daily rates of injection, and tables of mean daily rates of injection.

In January and February 1995, a misunderstanding by the Southwest Irrigation District as to the permit requirement resulted in some recharge prior to March 1, at the upper Cottonwood site (13088512). At the lower Cottonwood site (13088515) recharge begins on April 1, and is generally completed in May or early June. However, as demand for irrigation water increases in May and June, wells are turned on to supplement decreasing surface water supplies, resulting in small amounts of surplus water. Consequently some of this water is returned to the aquifer resulting in recharge after May 31, 1995. Additionally, small volumes of ground-water is recharged to the aquifer during the irrigation season because inadvertent diversions caused by irrigation system regulation.

The enclosed hydrographs for observation wells 13S 21E 6DAD1 and 13S 21E 8BDD1 indicates that ground-water levels in the Cottonwood Critical Ground-Water Area have responded to recharge and since 1993 have generally stabilized.

If you have any questions or would like to discuss recharge activities at Cottonwood please call me at (208) 387-1314.

Sincerely,

H. W. Young

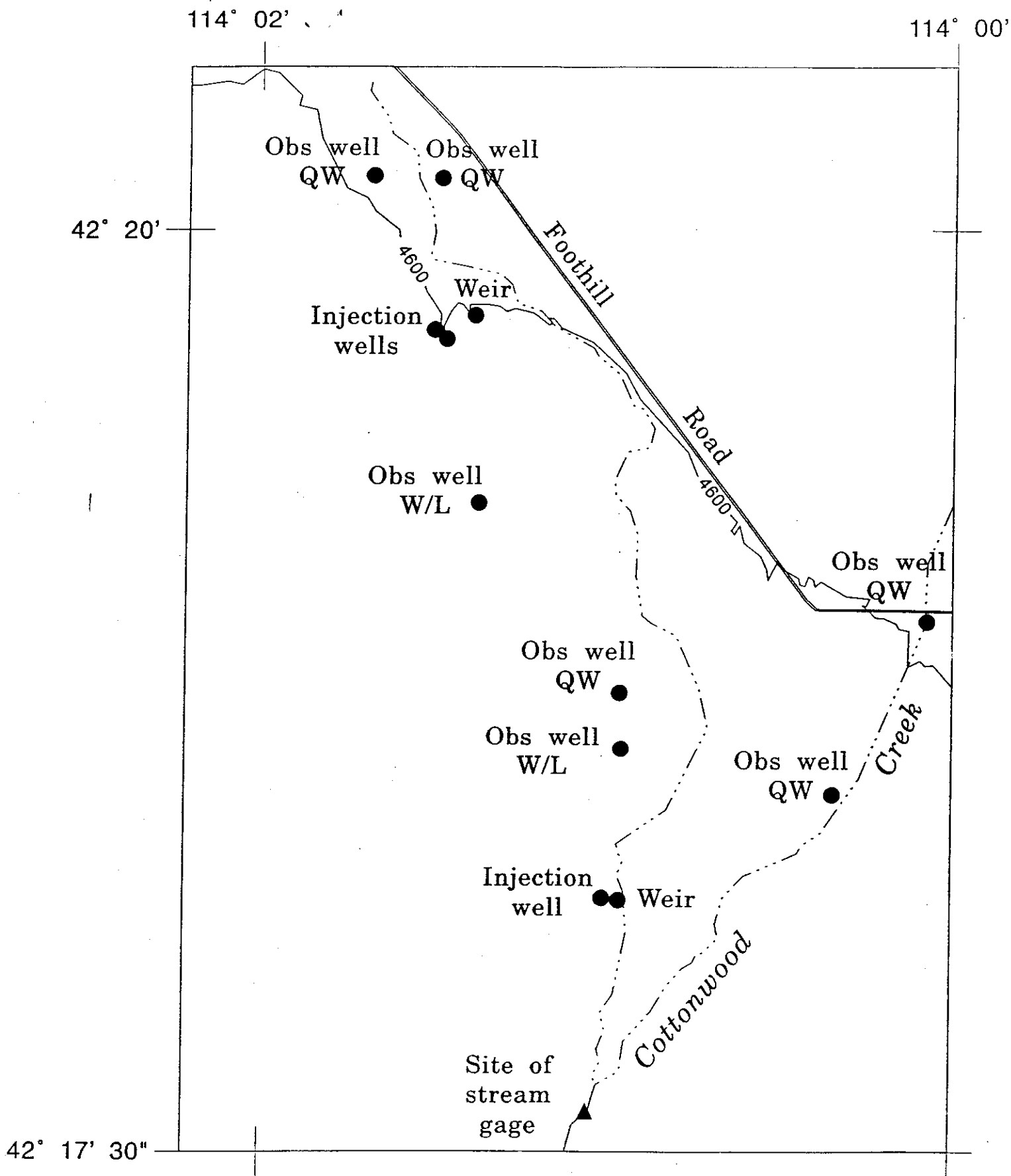
H. W. Young
Hydrologist

Enclosures

Copy to: William Parsons
Garr Wayment

SOUTHWEST IRRIGATION DISTRICT
GROUND-WATER RECHARGE DEMONSTRATION
PROJECT

SUMMARY OF RESULTS FOR THE COTTONWOOD CRITICAL
GROUND-WATER AREA 1993 - 1995

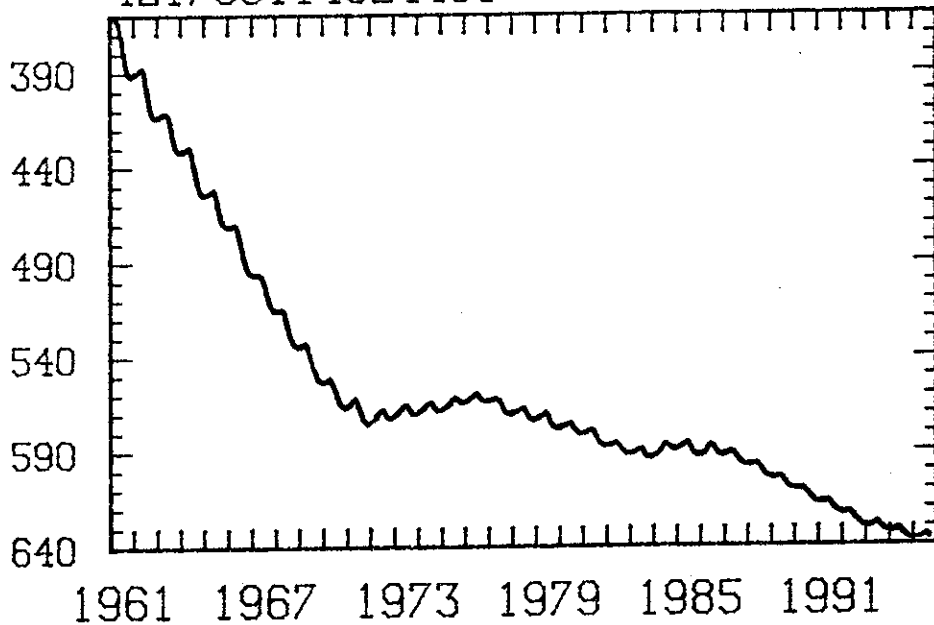


GROUND-WATER RECHARGE

<u>Site</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>Source of Water</u>
	<i>(acre feet for all years)</i>			
1	177	0	593	Cottonwood Creek
2	531	250	971	Cottonwood Creek
3	0	139	740	Dry Creek
4	17	212	1,050	Dry Creek
5	141	34	226	Dry Creek
6	1,164	1,285	1,964	Murtaugh Lake
7	0	103	930	Murtaugh Lake
Totals	2,030	2,023	6,474	

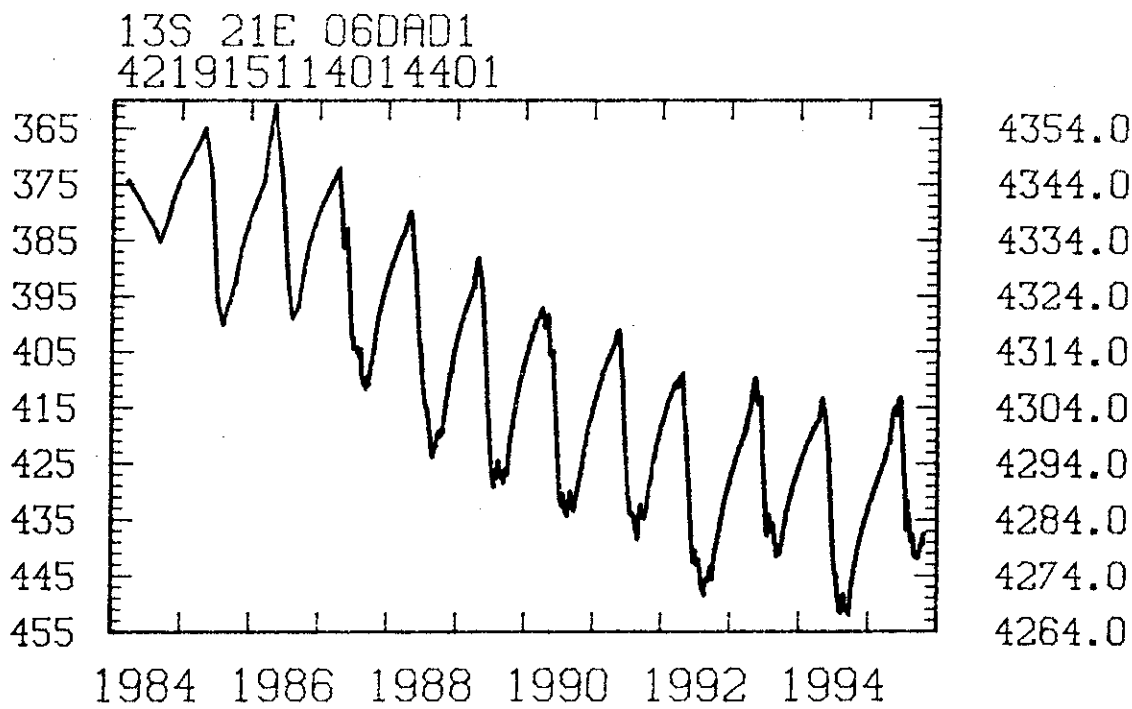
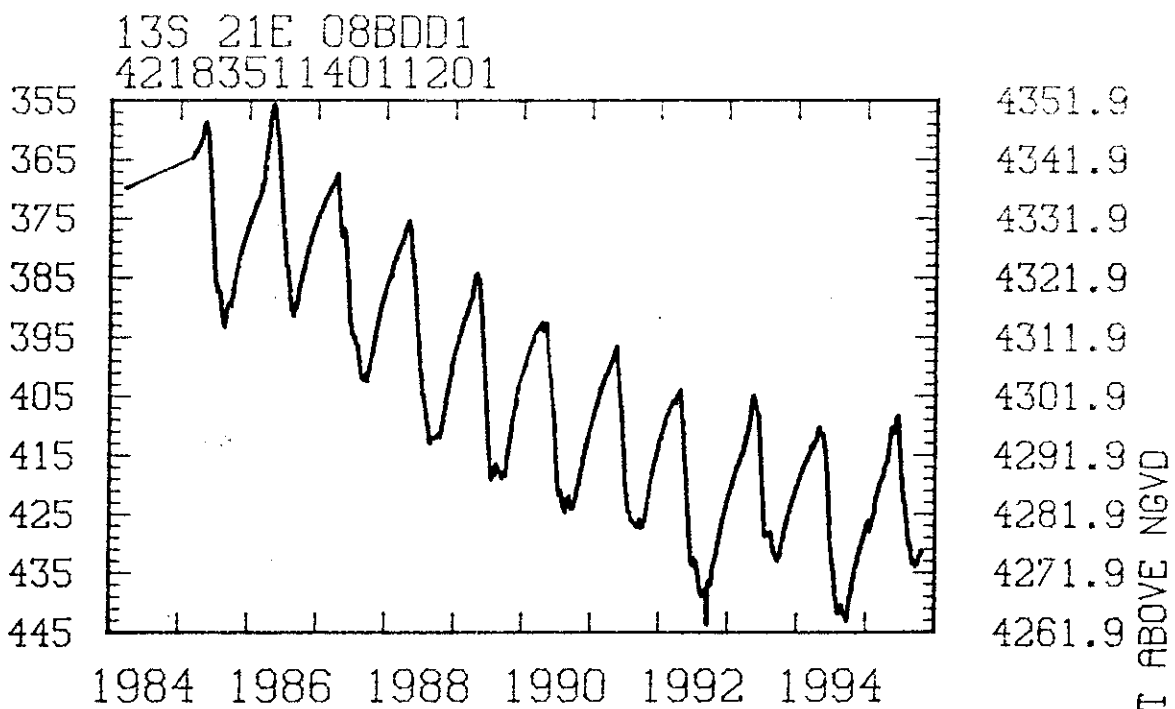
WATER LEVEL, FEET BELOW LAND SURFACE

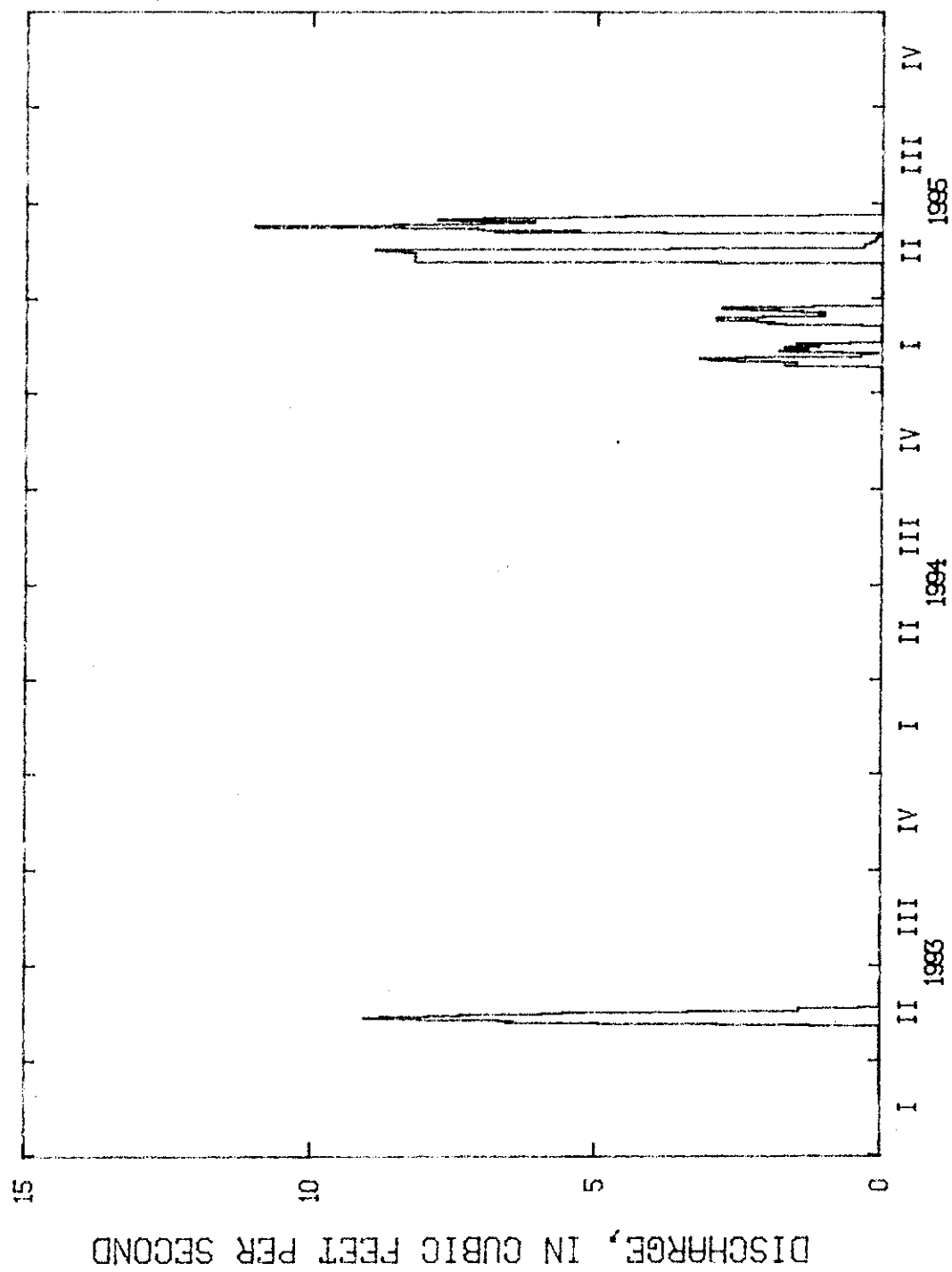
13S 21E 18BBC1
421755114024401



WATER LEVEL, FEET ABOVE NGVD

WATER LEVEL, FEET BELOW LAND SURFACE





13088512 COTTONWOOD INJECT WIER 1 NR OAKLEY ID
MEAN DAILY DISCHARGE (CFS)

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1993
 DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.00	.00	.00	.00	---	.00	---	---	---	---
2	---	---	.00	.00	.00	.00	---	.00	---	---	---	---
3	---	---	.00	.00	.00	.00	---	.00	---	---	---	---
4	---	---	.00	.00	.00	.00	---	.00	---	---	---	---
5	---	---	.00	.00	1.23	.00	---	.00	---	---	---	---
6	---	---	.00	.00	2.85	.00	---	.00	---	---	---	---
7	---	---	.00	.00	4.93	.00	---	.00	---	---	---	---
8	---	---	.00	.00	6.56	.00	---	.00	---	---	---	---
9	---	---	.00	.00	6.43	.00	---	.00	---	---	---	---
10	---	---	.00	.00	6.69	.00	---	.00	---	---	---	---
11	---	---	.00	.00	8.06	.00	---	.00	---	---	---	---
12	---	---	.00	.00	9.06	.00	---	.00	---	---	---	---
13	---	---	.00	.00	8.77	.00	---	.00	---	---	---	---
14	---	---	.00	.00	7.92	.00	---	.00	---	---	---	---
15	---	---	.00	.00	7.36	.00	---	.00	---	---	---	---
16	---	---	.00	.00	5.92	---	---	.00	---	---	---	---
17	---	---	.00	.00	5.55	---	---	.00	---	---	---	---
18	---	---	.00	.00	3.36	---	---	---	---	---	---	---
19	---	---	.00	.00	1.42	---	---	---	---	---	---	---
20	---	---	.00	.00	1.42	---	.00	---	---	---	---	---
21	---	---	.00	.00	1.42	---	.00	---	---	---	---	---
22	---	---	.00	.00	.37	---	.00	---	---	---	---	---
23	---	---	.00	.00	.00	---	.00	---	---	---	---	---
24	---	---	.00	.00	.00	---	.00	---	---	---	---	---
25	---	---	.00	.00	.00	---	.00	---	---	---	---	---
26	---	---	.00	.00	.00	---	.00	---	---	---	---	---
27	---	---	.00	.00	.00	---	.00	---	---	---	---	---
28	---	---	.00	.00	.00	---	.00	---	---	---	---	---
29	---	---	.00	.00	.00	---	.00	---	---	---	---	---
30	---	---	.00	.00	.00	---	.00	---	---	---	---	---
31	---	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	---	---	0.00	0.00	89.32	0.00	0.00	0.00	---	---	---	---
MEAN	---	---	.000	.000	2.88	.000	.000	.000	---	---	---	---
MAX	---	---	.00	.00	9.1	.00	.00	.00	---	---	---	---
MIN	---	---	.00	.00	.00	.00	.00	.00	---	---	---	---
AC-FT	---	---	.00	.00	177	.00	.00	.00	---	---	---	---

CAL YR 1993 TOTAL 89.32 MEAN .66 MAX 9.1 MIN .00 AC-FT 177

PROVISIONAL DATA

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

[illegible]

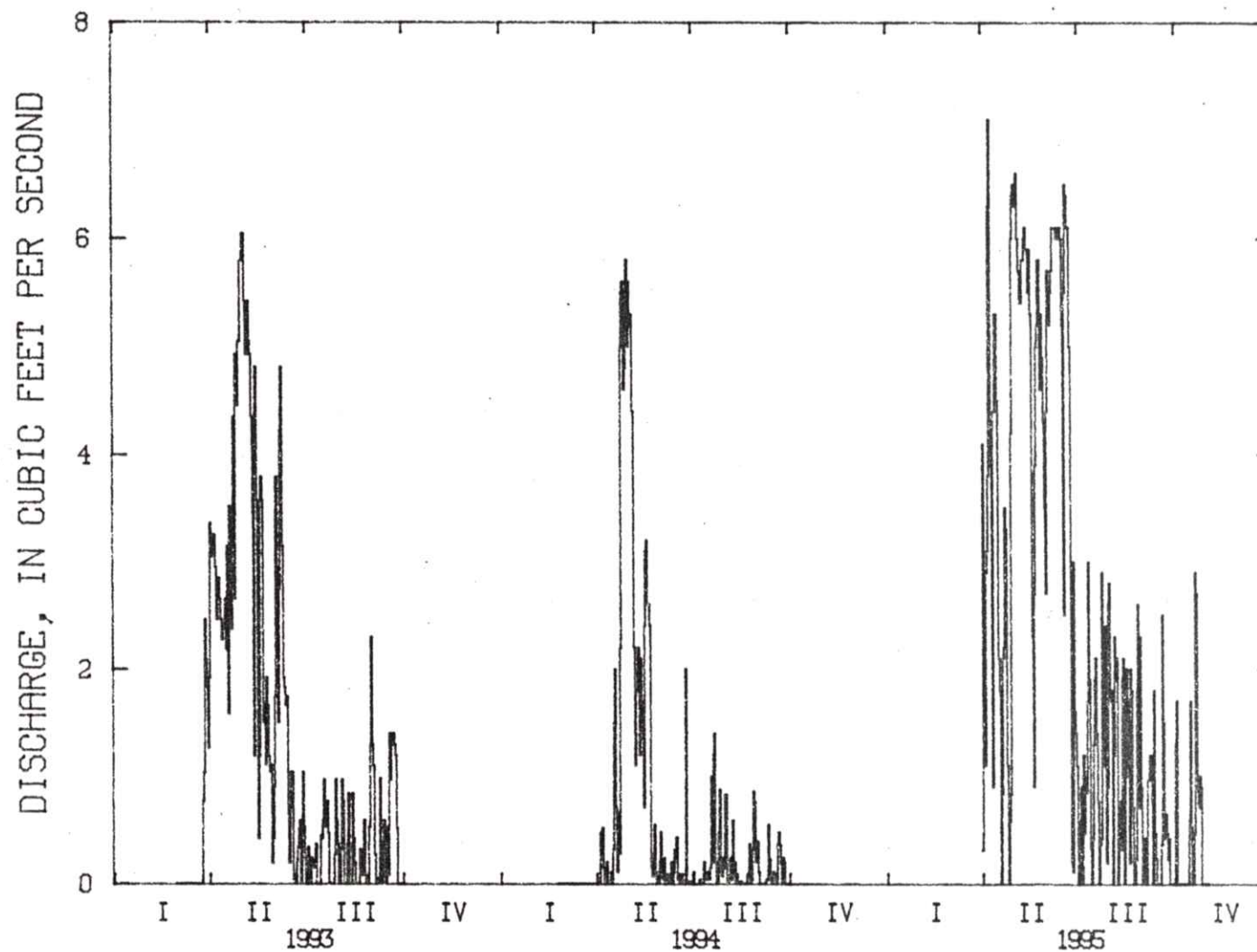
STATION NUMBER 13088312 CATTUNWOOD INJECT WIER 1 NR OAKLEY ID STREAM SOURCE AGENCY USGS
 LATITUDE 421812 LONGITUDE 1140114 DRAINAGE AREA 0.00 DATUM STATE 16 COUNTY 031
 PROVISIONAL DATA SUBJECT TO REVISION

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	2.6	.00	.00	.00	.00	---	---	---	---	---	---
2	.00	e3.0	.00	.00	.00	.00	---	---	---	---	---	---
3	.00	3.2	.00	.00	.00	3.8	---	---	---	---	---	---
4	.00	2.4	.00	.00	.00	6.8	---	---	---	---	---	---
5	.00	.36	.00	.00	.00	5.3	---	---	---	---	---	---
6	.00	.36	.01	.00	2.9	7.0	---	---	---	---	---	---
7	.00	.36	.36	.00	8.2	7.1	---	---	---	---	---	---
8	.00	.07	1.7	.00	8.2	8.4	---	---	---	---	---	---
9	.00	.70	2.0	.00	8.2	11	---	---	---	---	---	---
10	.00	1.8	1.9	.00	8.2	11	---	---	---	---	---	---
11	.00	1.7	2.2	.00	8.2	8.6	---	---	---	---	---	---
12	.00	1.3	2.9	.00	8.2	7.0	---	---	---	---	---	---
13	.00	1.6	2.8	.00	8.2	6.1	---	---	---	---	---	---
14	.00	1.7	2.9	.00	8.2	6.1	---	---	---	---	---	---
15	.00	1.1	2.1	.00	8.2	7.4	---	---	---	---	---	---
16	.00	1.2	1.0	.00	8.4	7.8	---	---	---	---	---	---
17	.00	1.5	1.0	.00	8.7	7.0	---	---	---	---	---	---
18	.00	.56	1.1	.00	8.9	5.5	---	---	---	---	---	---
19	.00	.00	1.0	.00	3.7	4.5	---	---	---	---	---	---
20	.00	.00	1.4	.00	.32	1.1	---	---	---	---	---	---
21	.00	.00	1.8	.00	.30	.00	---	---	---	---	---	---
22	.00	.00	2.3	.00	.30	.00	---	---	---	---	---	---
23	.00	.00	2.8	.00	.30	.00	---	---	---	---	---	---
24	.00	.00	2.8	.00	.22	.00	---	---	---	---	---	---
25	.00	.00	1.2	.00	.19	.00	---	---	---	---	---	---
26	.25	.00	.01	.00	.14	.00	---	---	---	---	---	---
27	1.7	.00	.00	.00	.11	.00	---	---	---	---	---	---
28	1.5	.00	.00	.00	.10	.00	---	---	---	---	---	---
29	1.5	---	.00	.00	.10	.00	---	---	---	---	---	---
30	1.5	---	.00	.00	.07	.00	---	---	---	---	---	---
31	1.8	---	.00	---	.01	---	---	---	---	---	---	---
TOTAL	8.25	25.51	35.28	0.00	108.56	121.50	---	---	---	---	---	---
MEAN	.27	.91	1.14	.000	3.50	4.05	---	---	---	---	---	---
MAX	1.8	3.2	2.9	.00	8.9	11	---	---	---	---	---	---
MIN	.00	.00	.00	.00	.00	.00	---	---	---	---	---	---
AC-FT	16	51	70	.00	215	241	---	---	---	---	---	---

CAL YR 1995 TOTAL 299.10 MEAN 1.65 MAX 11 MIN .00 AC-FT 593

e Estimated



13088515 COTTONWOOD INJECT WIER 2 NR OAKLEY ID
MEAN DAILY DISCHARGE (CFS)

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1993
 DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.00	1.92	5.79	.90	.00	.00	2.3	---	---	---
2	---	---	.00	3.36	5.79	1.74	.00	.00	1.3	---	---	---
3	---	---	.00	3.05	6.04	3.79	.34	.32	1.1	---	---	---
4	---	---	.00	3.05	6.04	2.95	.22	.97	.27	---	---	---
5	---	---	.00	3.25	5.42	1.50	.00	.77	.00	---	---	---
6	---	---	.00	3.25	4.93	2.75	.24	.00	.05	---	---	---
7	---	---	.00	2.95	4.93	4.23	.20	.00	.00	---	---	---
8	---	---	.00	2.46	5.42	4.81	.15	.00	.01	---	---	---
9	---	---	.00	2.75	5.05	3.15	.22	.37	.98	---	---	---
10	---	---	.00	2.85	4.93	1.92	.37	.84	.00	---	---	---
11	---	---	.00	2.65	4.35	1.83	.00	.00	.02	---	---	---
12	---	---	.00	2.46	3.46	1.66	.00	.00	.37	---	---	---
13	---	---	.00	2.27	1.19	1.74	.00	.00	.59	---	---	---
14	---	---	.00	2.37	4.35	.65	.00	.84	.08	---	---	---
15	---	---	.00	2.46	4.81	.19	.45	.42	.00	---	---	---
16	---	---	.00	2.65	3.57	.71	.42	.19	.53	---	---	---
17	---	---	.00	2.18	.42	1.04	.59	.00	.08	---	---	---
18	---	---	.00	3.15	1.19	1.04	.97	.00	1.4	---	---	---
19	---	---	.00	1.58	3.57	.04	.53	.00	.97	---	---	---
20	---	---	.00	3.52	3.79	.08	.53	.00	1.4	---	---	---
21	---	---	.00	2.56	3.57	.00	.77	.32	1.3	---	---	---
22	---	---	.00	2.37	1.50	.21	.47	.23	1.4	---	---	---
23	---	---	.00	3.46	1.66	.34	e.01	.08	1.3	---	---	---
24	---	---	.00	4.35	1.11	.51	.00	.27	1.2	---	---	---
25	---	---	.00	2.65	1.92	.59	.00	.59	.52	---	---	---
26	---	---	.77	4.93	1.66	.01	.00	.08	.00	---	---	---
27	---	---	1.04	4.93	1.19	.47	.00	.00	.00	---	---	---
28	---	---	2.46	4.46	1.04	1.04	.27	.00	.00	---	---	---
29	---	---	2.09	5.05	1.11	.53	.97	.00	.00	---	---	---
30	---	---	1.83	5.05	.19	.24	.59	.53	.00	---	---	---
31	---	---	1.26	---	.42	---	.37	1.3	---	---	---	---
TOTAL	---	---	9.45	93.99	100.41	40.66	8.68	8.12	17.17	---	---	---
MEAN	---	---	.30	3.13	3.24	1.36	.28	.26	.57	---	---	---
MAX	---	---	2.5	5.1	6.0	4.8	.97	1.3	2.3	---	---	---
MIN	---	---	.00	1.6	.19	.00	.00	.00	.00	---	---	---
AC-FT	---	---	19	186	199	81	17	16	34	---	---	---

CAL YR 1993 TOTAL 278.48 MEAN 1.30 MAX 6.0 MIN .00 AC-FT 552

e Estimated

STATION NUMBER 15088315 COTTONWOOD INJECT WIER 2 NR OAKLEY ID STREAM SOURCE AGENCY USGS
 LATITUDE 421944 LONGITUDE 1140147 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	5.8	e.48	.00	.83	.39	---	---	---
2	---	---	.00	.00	5.0	e.07	.11	.83	.11	---	---	---
3	---	---	.00	.00	5.6	e.04	.00	.02	.00	---	---	---
4	---	---	.00	.00	5.2	e.24	.00	.02	.00	---	---	---
5	---	---	.00	.48	5.3	e.00	.00	.04	.00	---	---	---
6	---	---	.00	.28	4.4	e.00	.00	.24	.00	---	---	---
7	---	---	.00	.52	2.2	e.09	.00	.04	.00	---	---	---
8	---	---	.00	.15	1.1	e.02	.04	.59	.00	---	---	---
9	---	---	.00	.00	1.8	e.00	.00	.09	.04	---	---	---
10	---	---	.00	.00	1.8	e.00	.00	.20	.04	---	---	---
11	---	---	.00	.20	2.2	e.20	.00	.00	.55	---	---	---
12	---	---	.00	.00	1.2	e.00	.20	.09	.23	---	---	---
13	---	---	.00	.00	2.1	e.11	.09	.00	.04	---	---	---
14	---	---	.00	.00	1.7	.32	.04	.00	.00	---	---	---
15	---	---	.00	.11	1.4	e.24	.11	.02	.11	---	---	---
16	---	---	.00	.00	e.71	e.43	.06	.02	.11	---	---	---
17	---	---	.00	.32	e2.4	e.04	.04	.00	.09	---	---	---
18	---	---	.00	1.5	3.1	e.09	.15	.00	.00	---	---	---
19	---	---	.00	2.0	3.2	e.00	1.0	.00	.00	---	---	---
20	---	---	.00	.71	2.6	e.09	.20	.00	.37	---	---	---
21	---	---	.00	.11	2.6	e.09	1.2	.00	.48	---	---	---
22	---	---	.00	.66	2.4	.00	1.4	.09	.36	---	---	---
23	---	---	.00	.28	e.15	.00	.20	.07	.20	---	---	---
24	---	.00	.00	2.2	e.07	.00	.00	.37	.00	---	---	---
25	---	.00	.00	5.0	e.28	2.0	.02	.00	.24	---	---	---
26	---	.00	.00	5.5	.55	.02	.48	.04	.20	---	---	---
27	---	.00	.00	5.6	e.11	.00	.88	.32	.00	---	---	---
28	---	.00	.00	4.6	e.00	.02	.11	.86	.00	---	---	---
29	---	---	.00	4.8	e.09	.02	.07	.77	.00	---	---	---
30	---	---	.00	5.5	e.00	.00	.24	.20	.00	---	---	---
31	---	---	.00	---	e.20	---	.15	.24	---	---	---	---
TOTAL	---	0.00	0.00	40.52	65.26	4.61	6.79	5.99	3.56	---	---	---
MEAN	---	.000	.000	1.35	2.11	.15	.22	.19	.12	---	---	---
MAX	---	.00	.00	5.6	5.8	2.0	1.4	.86	.55	---	---	---
MIN	---	.00	.00	.00	.00	.00	.00	.00	.00	---	---	---
AC-FT	---	.00	.00	80	129	9.1	13	12	7.1	---	---	---

CAL YR 1994 TOTAL 126.73 MEAN .58 MAX 5.8 MIN .00 AC-FT 251

e Estimated

STATION NUMBER 13088515 COTTONWOOD INJECT WIER 2 NR OAKLEY ID STREAM SOURCE AGENCY USGS
 LATITUDE 421944 LONGITUDE 1140147 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	---	---	---	.32	6.4	2.7	.00	1.7	.00	1.3	---	---
2	---	---	---	4.1	6.5	4.4	.00	1.8	.42	1.7	---	---
3	---	---	---	1.7	6.3	5.7	.59	.00	.00	.00	---	---
4	---	---	---	1.1	6.4	5.5	.90	1.2	.00	.00	---	---
5	---	---	---	2.9	6.6	5.2	.00	2.3	.97	.00	---	---
6	---	---	---	3.1	6.0	5.5	1.2	1.9	.97	.00	---	---
7	---	---	---	3.8	5.7	5.7	.47	2.1	1.2	.00	---	---
8	---	---	---	6.3	5.4	6.1	.99	.00	1.2	.00	---	---
9	---	---	---	7.1	5.4	6.1	.85	.65	.77	.00	---	---
10	---	---	---	3.9	5.8	6.1	1.7	.77	.00	.00	---	---
11	---	---	---	.90	5.8	6.1	3.0	.32	1.8	.00	---	---
12	---	---	---	4.4	6.0	6.0	1.9	1.9	.47	.00	---	---
13	---	---	---	4.4	6.1	6.0	.32	2.1	.23	.00	---	---
14	---	---	---	5.3	5.9	6.1	.00	.00	.00	.59	---	---
15	---	---	---	5.3	5.9	6.1	.42	1.0	.00	1.7	---	---
16	---	---	---	4.5	5.5	6.0	1.3	2.0	.00	.53	---	---
17	---	---	---	2.1	5.9	5.2	1.9	1.7	.00	.00	---	---
18	---	---	---	1.8	5.3	2.5	2.1	1.1	.37	.00	---	---
19	---	---	---	.00	2.3	5.5	1.4	.19	2.5	.47	---	---
20	---	---	---	.84	.90	6.5	.77	2.0	1.5	2.9	---	---
21	---	---	---	2.1	2.7	6.4	.00	1.8	.42	2.7	---	---
22	---	---	---	2.2	3.9	6.1	.37	.71	.65	.90	---	---
23	---	---	---	3.5	5.0	6.1	.42	.00	.47	.71	---	---
24	---	---	---	3.3	5.2	5.0	2.9	.00	.23	1.0	---	---
25	---	---	---	1.1	5.8	.19	1.3	.23	.42	.90	---	---
26	---	---	---	.00	5.8	.11	1.1	1.8	.00	.00	---	---
27	---	---	---	.59	4.6	3.0	2.4	2.6	.00	.00	---	---
28	---	---	---	.84	5.3	1.6	.19	.71	.00	.00	---	---
29	---	---	---	4.2	4.9	1.4	.90	2.3	.00	.00	---	---
30	---	---	---	6.0	4.3	1.1	2.6	.90	.00	.00	---	---
31	---	---	---	---	3.5	---	2.8	.00	---	.00	---	---
TOTAL	---	---	---	87.69	161.10	140.00	34.79	35.78	14.59	15.40	---	---
MEAN	---	---	---	2.92	5.20	4.67	1.12	1.15	.49	.50	---	---
MAX	---	---	---	7.1	6.6	6.5	3.0	2.6	2.5	2.9	---	---
MIN	---	---	---	.00	.90	.11	.00	.00	.00	.00	---	---
AC-FT	---	---	---	174	320	278	69	71	29	31	---	---

CAL YR 1995 TOTAL 489.35 MEAN 2.29 MAX 7.1 MIN .00 AC-FT 971



Main diversion from Cottonwood Cr.
Note metal parshall flume measuring
device.



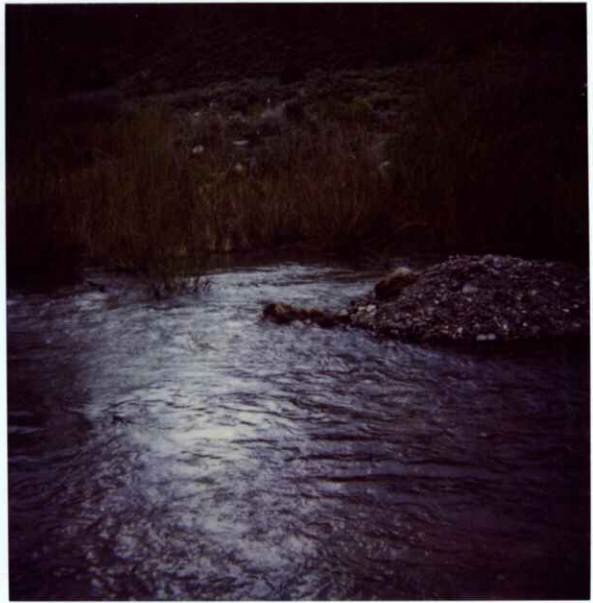
Headgate from ditch "A" entrance appeared
closed. Structure in foreground is
newly upgraded with screens.



Actual Injection Well, Big Cottonwood Cr.

45-07567

45-07567



Controlling Works On Cottonwood Cr.

Check Dam & Ditch To Flume



Flume

Staff Gauge - 1.25' head



Diversion Ditch 45-07567 Headgate On Ditch To Pond

Pond 9
Screened
Inlet To
Buried
Pipeline.
Site #1



USGS Measuring
Device In
Green Box



Measuring Device On Ditch To Wells #293

Ditch Into Pond



Well #2



Well #3

45-07567