

WINTER DIVERSIONS OF EGIN BENCH CANALS, INC.

						CLAIM RECHARGE	CLAIM LIVESTOCK	
CANAL	Nov-86	Dec-81	Jan-84	Feb-81	Mar-81			
FEEDER	35	28	59	63	68			
ST. ANTHONY	116	159	140	175	203			
TOTAL	151	187	199	238	271	200	1.82	150
CANAL	Nov-86	Dec-84	Jan-84	Feb-84	Mar-94			
EGIN	72	124	138	130	132	98	0.74	125 175
CANAL	Nov-83	Dec-83	Jan-83	Feb-82	Mar-90			
INDEPENDENT	146	182	159	139	155	100	1.52	50
CANAL	Nov-80	Dec-83	Jan-81	Feb-81	Mar-80			
LAST CHANCE	60	40	22	25	90	35	0.48	25 350

The table shows the average diversion in cfs for each month of a given year except for the Last Chance which is the highest diversion for the month shown. The period of record is 1978-1994.

429 637

Additional 345.44 cfs stock
\$ 34,544
\$ 6908.80

121
13
132
65
330 - recharge
15,000
19
34
6
26,000

350 ~~350~~ stock
20

7,000.00

EXCERPTS FROM EGIN IRRIGATING CO.
BOARD OF DIRECTORS MEETING MINUTES

December 12, 1887

Reported that he had visited or heard from the most of the shareholders in the Company and could not find but two men with teams that would go to work on the Ditch this fall. Consequently he did not feel justified in turning the water out of the Ditch.

November 17, 1892

The advisability of turning in the water was talked over. Miller said he thought the water should be turned in the ditch and held as long as could be done without damaging the ditch. Concurred in by the balance of the Directors provided there as someone appointed to see after the water and turn it out before there was serious damage done to the ditch.

January 28, 1893

From a resolution to approve a lease between the canal company and St. Anthony Water Power and Land Company for use of the canal from the head of Cedar Island to a point approximately 1/4 mile downstream where the main and wastegates of the canal are located. That it will at all times, except when prevented from so doing by ice blockages, or other unavoidable causes, deliver to the party of the first part through the main gate of said ditch 20,000 miners inches of water, or so much thereof as the party of the first part demands.

March 24, 1900

Moon agrees to ? the ditch from head to terminus assuming all ? as per his written statement at \$30.00 per month for four months and after that time to operate the ditch for \$1.50 per day for actual time employed.

December 3, 1904

The water was ordered to be turned out December 4, 1904.

March 6, 1905

The watermaster was instructed to commence upon his duties as watermaster for the season of 1905 on March 7, 1905, and was also instructed to use all possible haste to get the water down the canal as soon as possible using due caution.

October 13, 1906

A.D. Miller moved that Samuel Smith and J.T. Fisher be appointed a committee to meet a like committee from the other canals as to the advisability of running water in some of the canals this winter.

December 1, 1906

The committee consisting of J.T. Fisher and Sam Smith who were appointed to meet a like committee from the St. Anthony Canal and the Independent Canal Co. as to the advisability of running water in one of the canals this winter. Reported that they had met and agreed to run the St. Anthony Canal this winter and the committee stated that we the Egin Co. would bear their

part of the expenses of running the water. The report was accepted.

October 12, 1907

It was deemed unadvisable to run winter water as the flume would not carry it in cold weather. The watermaster was instructed to keep the water in until the next cold spell and then turn it out entirely and in case it should turn warm to put it back in as soon as possible.

March 3, 1908

A bill ordered paid from the St. Anthony Union Canal Co. for the Egin share of the expenses of running water during the winter of 1906 and 1907 amounting to 118.57.

January 7, 1911

The watermaster was discharged from full pay this date and was instructed to look after the canal as often as it was necessary and ? and keep the water in as long as he could without danger to the canal.

EXCERPTS FROM EGIN IRRIGATING CO.
STOCKHOLDER'S MEETING MINUTES

February 13, 1904

Meeting was called for the purpose of amending the by-laws. A Heath offered an article or a new section to be placed in the by-laws that would permit any shareholder the privilege of running water in or during any season of the year. The following is a true copy. Be it resolved that any shareholder or shareholders of the company may have the use of their water during the winter season for private or stock or domestic or any other purpose except where repair or work needed on the canal upon application to the board of directors who shall cause them to give a good and sufficient bond to indemnify company against all damages that may be sustained by said shareholder or shareholders running their water during the winter months or season provided further that all cost and maintenance running said water shall be paid by said shareholder or shareholders. Motion was lost by a vote.

EXCERPTS FROM ST. ANTHONY UNION CANAL CO.
BOARD OF DIRECTOR'S MINUTES

October 18, 1915

Moved and seconded that Mr. J.B. Quayle should replace the books that were destroyed in an accidental fire which occurred at his place on June 2nd, 1915. The books and papers of the company which were totally destroyed were the record book, the check book, all returned vouchers for the past year and all warrants for the past year.

April 3, 1916

I herewith submit my bid for watermaster of said canal for the season of 1916-17, for the sum of One Hundred Twenty five Dollars (\$125.00) per month for 6 months, beginning April 1st and ending October 1st, and the remainder of the year at Ninety Dollars (\$90.00) per month, providing that winter water is run. Yours, respectfully, James Powell

November 25, 1916

Moved and seconded that a committee of two be appointed to see if the other two canal companies will stand their proportion of the expenses of running winter water. Carried.

April 3, 1917

Moved and seconded that the committee appointed to collect a third of the expense of running winter water from the other two canal companies be held over until next fall. Carried.

October 27, 1921

It was moved by White and seconded by Hillman that the company build a canal from what is known as the Tanner check across the Joe White land to the lower ground to the North for the purpose of running water into a subpond, the Independent and Egin to bear each one-third of said expense and the St. Anthony to bear the remainder of said expense. Carried.

April 2, 1927

The matter of providing a waste pond in conjunction with the Egin Canal Co and Independent Canal Co by constructing a waste ditch thru the old Hannah F. Davis property on Egin Bench into the depressions beyond said property, during the winter time for the purpose of holding up sub water, was thoroughly discussed in conclusion of which it was moved by Rumsey and seconded by Mackert that the President of this company is authorized to proceed to carry out for this company, and conclude, some deal with the above mentioned companies for the purpose of carrying out such purpose, with the understanding that each company bear one third of the expense thereof, with motion was put by the President and unanimously carried.

October 9, 1929

The matter of constructing ditch for waste water through and at the lower end of the old Davis ranch on Egin Bench was discussed, and the Committee heretofore appointed in the matter was urged to pursue its investigations with the view of carrying out the original plan of winter storage of water in that section for irrigation purposes.

April 7, 1930

The matter of constructing ditch through the old Hannah F. Davis ranch, for the pupose of storing water in winter for the purpose of holding the sup up for the ensuing irrigation season was then fully discussed. . .

February 5, 1934

Director Mackert called attention to the fact that th Independent Canal Company still owed this Company a considerable sum over and above that amount of expenses which this company had paid in its behalf for the construction of winter reservoir on the rim of the sand hills north of Egin Bench. . .

10/01/82

13049725 ST ANTHONY UNION CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1980 TO OCTOBER 1981
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	95	100	130	129	105	231	389	390	475	443	378	233
2	95	100	130	105	105	231	391	447	462	430	382	233
3	95	100	130	200	105	229	393	440	484	413	377	229
4	95	100	130	200	105	231	391	450	498	414	381	229
5	95	100	130	200	105	233	394	430	501	409	381	229
6	95	100	130	200	105	235	400	428	503	414	382	229
7	42	100	130	200	105	238	407	436	502	414	384	229
8	0	100	130	200	105	242	411	444	432	414	381	233
9	0	100	130	218	176	246	416	484	431	402	378	217
10	0	100	130	235	188	248	418	408	426	389	379	213
11	0	100	130	235	188	250	352	357	434	393	372	213
12	0	100	130	235	188	252	355	382	463	394	328	213
13	0	100	130	235	188	293	361	411	493	381	294	209
14	50	100	130	235	188	334	368	409	487	382	261	206
15	100	100	130	235	204	336	370	406	491	382	254	206
16	100	100	130	235	219	339	385	431	481	397	256	202
17	100	100	130	235	219	341	387	431	480	412	257	202
18	100	100	130	235	219	343	393	426	479	413	257	202
19	100	100	130	235	219	345	396	421	463	413	257	198
20	100	100	130	235	219	356	395	425	447	409	258	198
21	100	100	130	235	227	358	394	496	432	435	258	198
22	100	100	130	235	235	360	346	508	418	389	262	202
23	100	100	130	235	235	363	297	537	430	389	263	202
24	100	100	130	235	235	365	295	454	441	389	263	202
25	100	100	130	235	235	367	292	424	440	389	263	202
26	100	100	130	235	235	369	290	412	443	384	272	202
27	100	100	130	235	235	374	291	451	448	384	270	100
28	100	100	130	235	235	378	293	441	444	413	268	0
29	100	100	130	235	235	380	293	431	444	417	232	0
30	100	100	130	235	235	384	324	431	443	400	233	0
31	100	100	130	235	235	384	322	431	443	383	233	0
TOTAL	2820	4958	4006	4886	6294	9231	11224	13101	14257	14490	9181	5631
MEAN	94	160	131	175	203	308	362	437	460	403	306	182
MAX	162	169	235	235	235	380	418	508	503	443	384	233
MIN	0	130	122	112	165	229	290	357	418	381	232	0
AC-FT	5600	9800	8100	9700	12500	18300	22300	26000	28300	24800	18200	11200
IRRIGATION YEAR 1981	TOTAL	98100	MEAN	269	AC-FT	194700						

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13049725 ST ANTHONY UNION CANAL.
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1981 TO OCTOBER 1982
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	0	0	140	126	110	196	393	460	419	361	220	196
2	0	68	133	140	120	196	395	460	406	370	223	196
3	0	136	133	140	130	198	397	459	396	366	225	196
4	0	136	133	140	130	199	399	459	393	364	227	192
5	0	136	133	140	130	201	392	449	391	354	228	192
6	0	136	133	140	130	202	386	446	360	424	228	190
7	0	133	133	150	130	212	415	442	351	440	226	188
8	0	133	133	150	135	214	445	441	347	374	225	190
9	0	133	133	150	135	215	447	436	405	310	227	192
10	0	133	133	150	135	213	435	426	408	308	228	192
11	0	133	129	155	135	211	437	420	405	302	224	192
12	0	136	129	160	135	213	439	484	402	304	227	97
13	0	136	129	160	140	214	441	500	405	395	230	3
14	0	136	129	160	140	224	464	517	320	389	203	3
15	0	136	129	160	140	225	488	524	315	387	204	3
16	0	134	133	162	140	227	488	479	402	385	208	3
17	0	133	133	165	140	231	488	484	422	386	209	3
18	0	133	133	165	140	234	398	488	417	383	209	0
19	0	133	133	165	155	236	398	484	412	359	211	0
20	0	133	127	165	155	238	398	482	406	359	211	0
21	0	133	122	142	155	280	428	480	418	343	211	0
22	0	133	122	120	155	282	463	494	447	346	211	0
23	0	133	122	120	155	283	463	489	460	349	200	0
24	0	133	122	120	155	291	480	494	478	346	196	0
25	0	133	126	115	185	299	480	494	433	347	196	0
26	0	133	126	110	185	301	502	404	389	343	198	0
27	0	137	126	110	185	303	525	410	393	340	200	0
28	0	140	126	110	185	384	492	417	415	337	202	0
29	0	140	126	110	191	386	459	429	343	292	204	0
30	0	140	126	110	196	389	459	420	352	248	204	0
31	---	140	126	---	196	---	459	---	352	222	---	0
TOTAL	0	3982	4011	3990	4648	7497	13753	13872	12262	10857	6414	2228
MEAN	0	128	129	143	150	250	444	462	396	350	214	72
MAX	0	140	142	143	156	389	525	524	478	440	230	196
MIN	0	0	122	110	110	196	386	404	315	222	196	0
AC-FT	0	7900	8000	7900	9200	14900	27300	27500	24300	21500	12700	4400
IRRIGATION YEAR	1982	TOTAL	83500	MEAN	229	AC-FT	165600					

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04/17/84

13049725 ST ANTHONY UNION CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1982 TO OCTOBER 1983
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	3	122	100	95	130	144	335	573	397	408	247	142
2	3	122	100	95	130	144	335	579	390	421	242	142
3	3	122	100	95	130	144	337	549	386	391	238	145
4	3	122	100	95	130	144	339	454	383	396	234	145
5	2	122	100	95	133	144	339	436	371	391	230	147
6	2	126	100	95	135	144	339	422	406	404	234	149
7	2	126	95	95	135	144	339	414	411	405	230	149
8	2	126	95	95	135	148	322	411	407	407	233	149
9	2	126	95	95	135	148	322	412	412	355	233	131
10	2	126	95	95	135	148	324	413	255	354	229	131
11	2	128	95	95	138	148	326	422	252	353	231	131
12	0	129	95	100	140	148	322	353	281	336	233	131
13	0	129	95	100	140	151	318	286	337	314	233	120
14	0	129	105	100	140	154	318	275	374	305	233	120
15	0	129	105	100	140	154	339	292	415	296	233	120
16	0	129	105	100	140	154	339	317	409	299	229	122
17	0	129	105	100	140	184	339	360	395	298	225	124
18	0	129	105	100	150	184	339	363	380	302	213	124
19	144	129	105	100	150	184	341	397	404	300	202	124
20	144	129	105	100	150	279	343	430	407	286	202	124
21	144	129	95	100	150	302	343	430	414	269	202	124
22	144	129	95	100	150	302	389	433	447	243	198	124
23	144	129	95	100	150	302	389	407	463	245	198	124
24	144	122	95	100	150	306	423	407	425	244	198	124
25	144	122	95	100	151	306	456	410	387	242	206	124
26	144	122	95	100	151	306	510	408	374	245	206	124
27	144	122	90	100	151	318	565	405	379	247	207	124
28	144	122	90	100	151	331	562	405	404	248	209	124
29	144	122	90	100	151	331	596	400	408	248	207	124
30	144	122	90	100	151	331	593	401	400	247	206	124
31	---	122	90	---	151	---	583	---	404	247	---	124
TOTAL	1754	3892	3020	2745	4413	6327	12064	12264	11977	9746	6621	4034
MEAN	58	126	97	98	142	211	389	409	386	314	221	130
MAX	144	129	105	100	151	331	596	579	463	421	247	149
MIN	0	122	90	95	130	144	318	275	252	242	198	120
AC-FT	3500	7700	6000	5400	8800	12500	23900	24300	23800	19300	13100	8000
IRRIGATION YEAR 1983 TOTAL 78900 MEAN 216 AC-FT 156400												

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13050530 ST ANTHONY UNION FEEDER CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1983 TO OCTOBER 1984
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	0	65	60	65	60	50	73	138	91	92	52	0
2	0	65	60	65	60	50	76	145	91	92	52	0
3	0	65	60	65	60	50	78	145	91	90	51	0
4	0	62	60	65	60	50	79	147	90	90	51	0
5	19	60	60	65	60	50	80	147	90	82	49	0
6	39	60	60	65	55	100	80	144	90	75	48	0
7	38	60	55	65	50	100	76	141	90	75	55	0
8	38	60	50	65	50	100	76	107	90	73	52	0
9	38	60	50	65	50	100	76	78	91	73	55	0
10	38	65	50	65	50	100	75	78	92	73	56	0
11	35	70	50	65	50	100	76	62	76	76	54	0
12	35	70	50	60	50	100	78	62	74	75	54	0
13	35	70	50	60	50	140	78	62	74	72	52	0
14	35	70	55	60	50	140	78	62	79	72	52	0
15	35	70	55	60	50	140	78	62	82	72	50	0
16	35	65	55	60	50	140	70	62	86	70	49	0
17	35	60	55	60	50	140	63	62	86	71	49	0
18	40	60	55	60	40	140	65	63	91	71	38	0
19	40	60	55	60	40	140	66	63	90	71	38	0
20	40	60	60	60	40	150	66	68	90	71	38	0
21	40	60	60	60	40	150	70	73	90	69	39	0
22	40	60	60	60	40	150	70	76	96	69	39	0
23	40	63	60	60	40	150	80	78	96	51	38	0
24	40	65	60	50	40	150	89	80	93	51	38	0
25	70	65	60	50	40	150	105	83	85	53	38	0
26	70	65	65	50	40	165	121	86	89	53	32	0
27	70	65	65	50	40	165	121	95	90	53	33	0
28	70	65	65	50	40	165	123	94	90	51	32	0
29	70	65	65	50	40	165	123	93	91	56	32	0
30	70	65	65	65	40	165	127	93	93	56	18	0
31	---	65	65	---	40	---	131	---	92	54	---	0
TOTAL	1154	1980	1795	1735	1465	3655	2647	2749	2744	2152	1336	0
MEAN	38	64	58	60	47	122	85	92	85	69	45	0
MAX	70	70	65	65	60	165	131	147	96	92	56	0
MIN	0	60	50	50	40	50	63	62	74	51	18	0
AC-FT	2300	3900	3600	3400	2900	7200	5300	5500	5400	4300	2600	0

IRRIGATION YEAR 1984 TOTAL 23400 MEAN 64 AC-FT 46400

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10/14/86

13050530 ST ANTHONY UNION FEEDER CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1984 TO OCTOBER 1985
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	0	15	10	10	3	7	87	91	66	36	21	10
2	0	15	10	10	3	7	88	91	78	37	14	10
3	0	15	10	10	3	7	88	83	85	39	13	9
4	0	15	10	10	3	6	88	83	93	46	13	8
5	0	15	10	10	3	6	90	84	92	54	11	8
6	0	15	10	8	3	6	90	85	101	48	11	5
7	0	15	10	8	3	6	111	86	94	47	6	5
8	0	15	10	8	3	6	134	87	87	46	5	5
9	0	15	10	8	3	6	133	88	58	67	5	2
10	0	15	10	8	3	6	132	88	56	72	4	0
11	0	15	12	10	4	7	109	88	53	74	5	0
12	0	15	12	10	4	7	88	90	53	76	5	0
13	0	15	12	10	4	7	88	87	53	75	4	0
14	0	15	12	10	4	7	90	87	52	71	4	0
15	0	15	12	10	4	7	90	92	52	70	3	0
16	13	15	12	7	4	7	92	94	63	67	3	0
17	25	15	12	7	4	7	93	83	72	65	2	0
18	25	15	10	7	4	7	93	72	83	64	2	0
19	25	15	10	7	4	7	118	73	61	63	9	0
20	25	15	10	5	4	7	81	81	61	43	9	0
21	25	15	10	4	4	7	115	81	72	42	8	0
22	25	13	10	4	5	6	111	81	83	41	8	0
23	25	12	10	4	5	6	112	80	81	50	8	0
24	25	12	11	2	5	81	113	78	81	49	8	2
25	25	12	11	2	6	81	114	79	82	47	8	5
26	25	12	11	2	6	82	114	58	90	45	7	5
27	25	12	11	0	6	82	114	57	91	41	7	5
28	25	12	11	0	6	87	114	56	91	40	6	5
29	25	12	11	---	6	87	102	69	90	39	6	5
30	25	12	11	---	6	87	90	67	91	37	6	5
31	---	12	11	---	6	---	91	---	88	29	---	5
TOTAL	363	436	332	191	131	739	3210	2419	2353	1620	221	99
MEAN	12	14	11	7	4	25	104	81	76	52	7	3
MAX	25	15	12	10	6	87	134	94	101	76	21	10
MIN	0	12	10	0	3	6	87	56	52	29	2	0
AC-FT	720	865	659	379	260	1500	6400	4800	4700	3200	438	196

IRRIGATION YEAR 1985 TOTAL 12100 MEAN 33 AC-FT 24000

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10/14/86

13050530 ST ANTHONY UNION FEEDER CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1985 TO OCTOBER 1986
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	41	20	10	20	20	68	82	81	59	67	39	14
2	41	20	10	20	20	68	82	92	55	65	36	14
3	41	20	10	20	21	48	82	84	53	62	44	14
4	40	20	10	20	22	49	73	84	58	62	48	14
5	40	20	12	20	22	49	64	92	48	61	50	14
6	40	19	12	20	22	52	64	93	48	56	52	14
7	40	18	12	20	20	53	64	93	47	60	54	14
8	40	18	12	20	20	54	54	88	48	65	57	7
9	41	18	12	20	20	55	46	70	47	69	32	7
10	41	18	13	20	32	55	46	62	76	70	44	7
11	41	18	14	20	32	53	50	60	75	71	43	7
12	41	16	14	20	32	54	50	58	75	70	44	7
13	41	16	14	22	36	54	50	56	70	68	47	7
14	40	16	14	22	36	60	50	57	65	65	17	7
15	40	16	15	22	36	60	51	57	64	70	18	7
16	39	15	15	22	36	61	52	56	84	69	17	6
17	38	15	15	22	48	67	53	56	84	69	22	5
18	38	15	15	22	48	68	54	61	78	68	34	5
19	38	15	15	22	48	68	56	62	71	65	42	5
20	38	12	15	22	48	69	58	61	72	62	30	5
21	38	10	15	21	48	69	58	60	69	61	18	5
22	38	10	15	20	48	70	61	59	69	54	25	5
23	38	10	14	20	45	72	61	58	71	44	33	5
24	29	10	14	20	42	72	61	58	69	39	13	5
25	20	10	14	20	42	73	68	57	70	37	14	5
26	20	10	14	18	42	73	75	57	67	35	14	5
27	20	10	14	18	54	74	76	62	63	35	16	5
28	20	10	15	18	54	76	83	65	50	33	21	5
29	20	10	15	---	54	79	83	64	46	30	19	5
30	20	10	15	---	54	80	82	61	53	34	20	5
31	---	10	15	---	54	---	79	---	68	35	---	5
TOTAL	1063	455	419	571	1156	1903	1968	2025	1972	1751	963	235
MEAN	35	15	14	20	37	63	63	68	64	56	32	8
MAX	41	20	15	22	54	80	83	93	84	71	57	14
MIN	20	10	10	18	20	48	46	56	46	30	13	5
AC-FT	2100	902	831	1100	2300	3800	3900	4000	3900	3500	1900	466

IRRIGATION YEAR 1986 TOTAL 14500 MEAN 40 AC-FT 28700

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11/23/87

13050535 INDEPENDENT CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1985 TO OCTOBER 1986
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	0	115	100	80	84	153	167	386	240	253	150	98
2	0	115	100	80	84	153	169	380	236	282	152	20
3	59	115	100	80	84	191	170	367	231	281	152	20
4	59	115	100	80	84	190	183	363	232	280	151	20
5	82	115	95	80	84	189	195	364	236	278	152	20
6	104	112	95	80	84	191	194	343	227	276	152	20
7	104	110	95	80	84	190	192	317	246	275	152	20
8	104	110	95	80	84	194	173	299	279	278	152	10
9	119	110	95	80	84	197	156	253	267	278	152	0
10	119	110	95	80	106	196	156	231	238	278	153	0
11	119	110	95	80	106	202	153	230	239	278	153	2
12	119	100	95	80	106	200	153	236	243	271	152	4
13	114	100	95	75	106	199	154	283	245	236	150	4
14	114	100	95	75	106	188	156	280	257	233	149	2
15	114	100	80	75	106	187	153	262	267	235	152	0
16	114	105	80	75	104	186	150	215	262	233	152	0
17	114	105	80	75	102	164	159	223	280	236	152	0
18	114	105	85	75	102	163	167	240	289	235	153	0
19	114	105	90	75	102	162	199	298	278	231	154	0
20	113	102	90	75	112	158	233	306	279	231	156	0
21	113	100	90	72	112	157	233	246	278	204	156	0
22	113	100	90	70	112	155	236	245	277	176	154	0
23	113	100	0	70	108	152	236	244	276	169	153	0
24	113	100	0	70	106	151	236	245	275	170	153	0
25	113	100	0	70	106	162	294	247	259	169	130	0
26	113	100	0	75	106	161	360	248	145	170	98	0
27	113	100	0	75	187	160	348	247	147	170	98	0
28	113	100	0	75	187	163	361	246	147	170	98	0
29	110	100	75	75	187	166	364	245	147	169	98	0
30	110	100	75	75	196	165	364	243	200	147	98	0
31	---	100	75	---	196	---	372	---	249	148	---	0
TOTAL	3023	3259	2335	2137	3517	5245	6836	8332	7471	7040	4277	240
MEAN	101	105	75	76	113	175	221	278	241	227	143	8
MAX	119	115	100	80	196	202	372	386	289	282	156	98
MIN	0	100	0	70	84	151	150	215	145	147	98	0
AC-FT	6000	6500	4600	4200	7000	10400	13600	16500	14800	14000	8500	476

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03/20/89

13050530 ST ANTHONY UNION FEEDER CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1986 TO OCTOBER 1987
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	23	18	3	0	15	65	67	49	55	37	26	40
2	23	18	3	0	15	69	65	52	48	40	24	44
3	23	18	3	0	15	69	62	52	48	38	25	52
4	23	18	3	0	15	61	55	50	46	37	27	50
5	22	16	3	0	15	54	58	48	43	37	36	50
6	22	16	3	0	15	54	62	49	41	38	40	50
7	22	16	3	0	15	54	65	52	44	40	40	47
8	22	16	3	0	20	54	70	54	48	45	40	40
9	23	16	3	0	20	54	70	53	54	45	45	42
10	25	16	4	0	20	54	67	57	54	45	50	40
11	23	16	4	0	23	54	65	56	60	43	51	45
12	23	16	4	0	25	52	64	52	59	44	58	45
13	23	16	4	0	25	52	65	51	55	42	55	60
14	23	16	4	0	25	52	64	51	51	42	48	51
15	23	16	2	0	28	52	63	51	48	42	47	0
16	25	12	2	0	28	52	61	65	49	46	47	0
17	25	12	2	0	28	52	58	62	49	42	54	0
18	25	10	0	10	26	54	56	63	68	46	50	0
19	25	10	0	20	25	56	50	51	72	48	45	0
20	25	10	0	20	25	56	50	48	66	40	47	0
21	25	10	0	20	25	56	50	47	58	33	45	0
22	23	10	0	21	69	57	49	53	56	32	47	0
23	22	10	0	22	69	60	48	55	47	31	44	0
24	22	10	0	22	69	59	47	52	40	29	41	0
25	22	12	0	22	69	60	47	49	33	28	36	0
26	21	12	0	20	69	58	50	42	23	30	29	0
27	20	12	0	20	69	60	53	38	14	29	35	0
28	20	12	0	20	69	63	51	59	32	29	32	0
29	20	12	0	---	69	64	45	64	36	29	30	0
30	20	12	0	---	69	64	48	66	36	27	35	0
31	---	12	0	---	69	---	50	---	34	29	---	0
TOTAL	683	426	53	217	1138	1721	1775	1591	1467	1163	1229	665
MEAN	23	14	2	8	37	57	57	53	47	38	41	21
MAX	25	18	4	22	69	69	70	66	72	48	58	60
MIN	20	10	0	0	15	52	45	38	14	27	24	0
AC-FT	1400	845	105	430	2300	3400	3500	3200	2900	2300	2400	1300

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DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1986 TO OCTOBER 1987

10/01/82

13050530 ST-ANTHONY UNION FEEDER CANAL
DISCHARGE, CURIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1980 TO OCTOBER 1981
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	71	30	21	0	45	90	135	259	84	51	56	16
2	71	30	21	40	45	90	135	136	83	50	61	15
3	71	30	21	80	45	92	135	104	70	50	60	15
4	71	30	20	80	45	92	121	111	83	47	58	16
5	71	30	20	80	45	92	121	106	82	43	61	16
6	71	30	20	80	45	92	121	102	82	62	60	16
7	74	30	20	80	45	92	121	106	89	64	60	8
8	76	35	20	80	45	96	116	109	85	60	58	8
9	76	35	20	78	50	100	110	122	81	61	64	8
10	76	35	20	75	56	100	110	74	78	62	61	8
11	76	35	22	75	56	101	100	61	66	64	54	8
12	76	35	25	75	56	101	100	77	71	66	57	8
13	76	35	25	75	56	110	95	92	75	50	59	8
14	83	35	25	75	56	121	91	92	72	59	61	8
15	90	29	25	75	67	121	95	254	73	65	56	8
16	90	29	25	75	78	121	100	88	79	59	55	8
17	90	29	22	75	78	121	100	100	75	53	54	8
18	90	29	18	62	78	121	100	96	75	52	62	8
19	90	29	18	50	78	121	100	99	76	54	63	8
20	90	29	18	50	78	138	102	102	78	57	67	8
21	90	26	18	50	83	138	114	103	73	68	72	8
22	26	23	18	50	88	138	91	105	68	63	72	9
23	26	23	9	50	88	138	75	122	63	64	81	9
24	26	23	0	50	88	138	75	116	61	65	85	9
25	26	23	0	50	88	139	75	105	64	64	90	9
26	26	23	0	50	88	139	75	92	64	60	33	9
27	26	22	0	50	89	141	92	95	65	56	24	37
28	26	21	0	50	90	143	111	81	51	53	17	65
29	26	21	0	---	90	143	113	69	49	54	16	65
30	26	21	0	---	90	143	114	52	48	56	16	65
31	---	21	0	---	90	---	114	---	50	58	---	65
TOTAL	1904	876	471	1760	2119	3512	3257	3230	2213	1790	1693	556
MEAN	63	28	15	63	68	117	105	108	71	58	56	18
MAX	90	35	25	80	90	143	135	259	89	68	90	65
MIN	26	21	0	0	45	90	75	52	48	43	16	8
AC-FT	3800	1700	934	3500	4200	7000	6500	6400	4400	3600	3400	1100
IRRIGATION YEAR 1981			TOTAL	23400	MEAN	64	AC-FT	46400				

10/20/83

13050530 ST ANTHONY UNION FEEDER CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1981 TO OCTOBER 1982
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	54	22	20	20	35	90	84	61	60	45	45	39
2	54	23	16	25	38	90	84	75	58	48	50	39
3	54	24	16	25	40	100	86	73	59	46	51	39
4	54	24	16	25	40	100	86	83	58	51	48	38
5	54	24	16	25	40	100	88	78	35	48	49	38
6	54	24	17	25	40	100	89	69	35	58	48	37
7	57	22	18	26	40	110	93	77	35	57	49	37
8	60	22	18	26	50	110	96	73	46	56	50	37
9	60	22	18	26	50	110	96	86	61	45	47	38
10	60	22	18	26	50	110	98	73	65	47	48	38
11	60	22	16	26	50	110	98	70	59	47	49	38
12	60	24	16	25	50	110	99	86	59	47	48	38
13	42	24	16	25	50	110	101	118	57	53	50	38
14	25	24	16	25	50	120	91	127	41	52	36	38
15	25	24	16	25	50	120	81	133	42	53	36	38
16	25	24	15	22	50	120	81	109	50	53	38	38
17	25	25	15	20	50	117	81	113	47	54	39	39
18	25	25	15	20	50	115	89	93	59	52	39	39
19	25	25	15	20	75	115	89	91	55	52	38	39
20	24	25	18	20	75	115	89	89	62	58	38	39
21	22	26	20	25	75	130	91	67	59	56	38	39
22	22	26	20	30	75	130	93	67	58	55	39	40
23	22	26	20	30	75	130	93	69	64	51	38	40
24	22	26	20	30	75	138	121	69	62	58	34	40
25	22	26	20	32	85	145	121	73	38	59	36	40
26	22	26	20	35	85	145	123	66	45	55	35	40
27	22	23	20	35	85	145	125	63	49	57	37	40
28	22	20	20	35	85	165	121	64	46	57	36	40
29	22	20	20	---	88	165	117	67	45	51	39	40
30	22	20	20	---	90	127	117	61	47	48	39	40
31	---	20	20	---	90	---	81	---	47	47	---	40
TOTAL	1117	730	551	729	1881	3592	3002	2463	1603	1616	1267	1203
MEAN	37	24	18	26	61	120	97	82	52	52	42	39
MAX	60	26	20	35	90	165	125	133	65	59	51	40
MIN	22	20	15	20	35	90	81	61	35	45	34	37
AC-FT	2200	1400	1100	1400	3700	7100	6000	4900	3200	3200	2500	2400
IRRIGATION YEAR 1982			TOTAL	19800	MEAN	54	AC-FT	39200				

04/17/84

13050530 ST ANTHONY UNION FEEDER CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1982 TO OCTOBER 1983
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	42	10	60	4	30	90	155	144	60	60	40	26
2	42	10	60	4	30	90	155	145	60	61	37	26
3	42	10	60	4	30	90	131	136	61	59	35	26
4	42	10	60	4	30	90	79	120	58	60	35	0
5	42	10	60	4	30	90	80	18	55	61	34	0
6	42	12	60	10	40	90	80	117	65	65	34	0
7	42	12	60	15	40	90	80	93	65	57	32	0
8	42	12	60	15	40	110	82	94	80	58	46	0
9	42	12	60	15	40	110	82	93	73	58	47	0
10	42	12	60	15	40	110	83	94	59	52	47	0
11	42	11	60	15	43	110	84	97	58	52	48	0
12	44	10	60	20	45	110	84	118	61	50	29	0
13	44	10	60	20	45	115	84	62	59	52	29	0
14	44	10	50	20	45	120	84	57	56	43	30	0
15	44	10	50	20	45	120	84	65	74	43	31	0
16	44	10	50	20	45	120	84	73	73	44	31	0
17	44	20	50	20	45	110	86	73	66	44	29	0
18	44	30	50	25	60	110	88	77	62	44	31	0
19	20	30	50	25	60	110	83	87	61	45	31	0
20	20	30	50	25	60	115	77	79	59	42	30	0
21	20	30	45	25	60	120	77	81	60	38	29	0
22	20	30	45	25	60	120	79	84	72	35	28	0
23	20	30	45	25	60	120	79	87	71	36	28	0
24	20	50	45	30	60	130	93	86	66	36	28	0
25	20	50	45	30	100	130	107	62	65	35	29	0
26	15	50	45	30	100	130	115	62	63	34	18	0
27	15	50	5	30	100	135	123	61	63	36	26	0
28	15	50	5	30	100	140	124	60	66	41	29	0
29	15	50	5	---	100	140	151	58	71	41	20	0
30	15	50	5	---	100	140	152	58	67	40	27	0
31	---	50	5	---	100	---	148	---	68	40	---	0
TOTAL	985	771	1425	525	1783	3405	3093	2541	1997	1462	968	78
MEAN	33	25	46	19	58	114	100	85	64	47	32	3
MAX	44	50	60	30	100	140	155	145	80	65	48	26
MIN	15	10	5	4	30	90	77	18	55	34	18	0
AC-FT	2000	1500	2800	1000	3500	6800	6100	5000	4000	2900	1900	155
IRRIGATION YEAR 1983												
TOTAL												
MEAN												
52												
AC-FT												
37800												