

WINTER DIVERSIONS OF EGIN BENCH CANALS, INC.

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

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.

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

429 637

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 inadvisable 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 purpose 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

DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1980 TO OCTOBER 1981
 INDEPENDENT CANAL
 MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	0	75	110	125	56	177	220	181	257	208	162	0
2	0	75	110	125	56	177	221	248	254	211	168	0
3	0	75	110	125	56	196	222	246	277	213	161	0
4	0	75	112	125	56	197	216	252	302	214	158	0
5	0	75	112	125	56	198	217	251	300	212	161	0
6	0	75	112	125	56	200	229	238	298	213	160	0
7	15	75	112	125	56	201	241	244	303	214	160	0
8	30	57	112	125	56	208	240	250	248	215	163	0
9	30	57	112	122	72	216	240	252	248	199	165	0
10	30	57	112	120	89	217	241	218	244	184	164	0
11	30	57	116	120	89	218	166	204	226	188	140	0
12	30	57	120	120	89	220	167	232	263	176	123	0
13	30	57	120	120	89	221	177	263	304	160	145	0
14	50	57	120	120	89	215	187	265	296	167	127	0
15	69	57	120	120	120	216	181	274	304	163	127	0
16	69	90	120	120	150	217	174	291	292	164	112	0
17	69	90	119	120	150	218	175	293	292	165	79	0
18	69	90	118	125	150	219	176	315	224	167	79	0
19	69	90	118	130	150	220	177	316	214	168	78	0
20	69	90	118	130	150	195	181	314	201	172	53	0
21	69	95	118	130	162	196	185	315	177	189	33	0
22	61	100	118	130	175	197	157	317	191	158	33	0
23	61	100	119	130	175	198	132	332	195	152	0	0
24	61	100	120	130	175	199	133	236	213	146	0	0
25	61	100	120	130	175	200	134	226	207	142	0	0
26	61	100	120	130	175	201	135	233	211	144	0	0
27	61	105	120	130	176	199	138	234	216	144	0	25
28	61	110	122	130	177	142	142	232	214	166	0	50
29	61	110	125	130	177	141	141	210	208	166	0	50
30	61	110	125	130	177	199	140	197	209	166	0	50
31	---	110	125	---	177	---	139	---	204	165	---	50
TOTAL	1277	2571	3635	3507	4156	6130	5624	7659	7592	5511	2751	225
MEAN	43	83	117	125	121	204	181	255	245	178	92	7
MAX	69	110	125	130	177	221	241	322	304	215	168	50
MIN	0	57	110	120	56	177	132	181	177	142	0	0
AC-FT	2500	5100	7400	7000	7500	12200	11200	15200	15100	10900	5500	446

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13050535 INDEPENDENT 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	50	100	105	125	165	165	190	275	244	256	164	0
2	29	99	110	125	133	165	191	280	222	256	165	0
3	8	98	110	125	100	98	191	280	222	257	165	0
4	8	98	110	125	100	99	192	257	195	257	166	0
5	8	98	110	125	100	99	205	273	192	246	166	0
6	8	98	110	125	100	99	220	273	170	322	166	0
7	6	64	110	135	100	170	236	273	159	331	161	0
8	5	64	110	135	120	170	253	266	159	331	161	0
9	5	64	110	135	120	170	254	270	202	228	159	0
10	5	64	110	135	120	158	243	267	212	170	164	0
11	5	64	120	132	120	105	244	295	197	167	169	0
12	5	68	120	130	120	106	244	351	192	167	175	0
13	49	68	120	130	130	106	245	356	183	258	181	0
14	93	68	120	130	130	109	247	380	182	258	186	0
15	93	68	120	130	130	109	250	366	180	251	183	0
16	93	99	125	135	130	110	250	305	200	255	176	0
17	93	130	125	140	130	111	251	311	243	234	133	3
18	93	130	125	140	130	113	248	317	234	231	135	3
19	93	130	125	140	180	113	248	323	232	232	140	3
20	104	130	125	140	180	113	249	325	230	213	145	3
21	114	130	125	145	180	131	253	298	242	210	83	3
22	114	130	125	150	180	131	257	299	274	195	83	3
23	114	110	125	150	180	132	258	281	275	202	83	3
24	114	110	125	150	180	136	324	244	275	196	0	3
25	114	110	125	158	190	141	324	235	276	197	0	3
26	114	110	125	165	190	141	327	216	235	202	0	3
27	117	108	125	165	190	141	330	214	242	199	0	3
28	120	105	125	165	190	183	301	222	243	184	0	3
29	120	105	125	177	177	183	273	240	236	191	0	3
30	120	105	125	187	165	187	274	251	236	170	0	3
31	105	105	125	187	165	---	274	---	263	164	---	3
TOTAL	2014	3030	3695	3885	4525	3994	7846	8566	6847	7030	3509	45
MEAN	67	98	119	139	146	133	253	286	221	227	117	1
MAX	120	130	125	165	190	187	330	380	276	331	186	3
MIN	5	64	105	125	100	98	190	214	159	164	0	0
AC-FT	4000	6000	7300	7700	9000	7900	15600	17000	13600	13900	7000	89
IRRIGATION YEAR	1982	TOTAL	55000	MEAN	151	AC-FT	109100					

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04/17/84

13050535 INDEPENDENT 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	173	190	115	115	110	261	505	181	236	224	39
2	3	173	190	115	115	110	261	505	181	236	224	39
3	3	173	190	115	115	110	261	494	187	243	221	39
4	3	173	190	115	115	57	261	440	181	238	218	38
5	84	173	190	115	115	57	261	440	181	237	219	38
6	164	180	190	112	120	57	259	71	221	240	216	37
7	164	180	190	100	120	57	257	344	221	239	156	36
8	164	180	185	100	120	57	257	344	224	238	157	36
9	164	180	185	100	120	97	181	344	221	243	157	36
10	164	180	185	100	120	97	181	335	224	216	158	36
11	164	180	185	100	120	97	184	400	110	218	155	36
12	170	180	185	95	125	97	187	400	110	196	155	36
13	170	180	185	95	125	97	189	339	135	197	156	36
14	170	180	185	95	125	127	191	210	187	233	155	37
15	170	180	185	95	125	163	191	207	262	238	155	37
16	170	180	185	95	125	163	194	224	296	240	155	37
17	170	182	142	95	125	163	194	224	294	220	152	20
18	170	183	142	110	130	210	207	261	245	221	151	0
19	173	183	142	110	130	210	191	288	236	219	151	0
20	173	183	142	110	130	228	192	284	271	194	150	0
21	173	183	142	110	130	228	194	276	273	169	150	0
22	173	183	142	110	130	246	194	276	294	220	150	0
23	173	183	142	110	130	246	300	210	295	130	150	0
24	173	189	142	110	130	249	300	210	310	128	147	0
25	173	189	142	110	130	249	355	210	320	131	101	0
26	176	189	142	110	110	249	415	210	228	131	97	0
27	176	189	142	110	110	249	405	210	248	131	97	0
28	176	189	129	110	110	251	395	207	217	132	95	0
29	176	189	129	110	110	253	395	207	203	132	95	0
30	176	189	129	110	110	253	522	207	236	132	97	0
31	---	189	129	---	110	253	522	184	239	160	42	0
TOTAL	4361	5637	4926	2967	3728	4959	8609	8542	7028	5999	4373	574
MEAN	145	182	159	106	120	165	278	285	227	194	146	19
MAX	176	189	190	115	130	253	522	505	320	243	224	39
MIN	3	173	129	95	110	57	181	71	110	128	41	0
AC-FT	8700	11200	9800	5900	7400	9800	17100	16900	13900	11900	8700	1100
IRRIGATION YEAR	1983	TOTAL	61700	MEAN	169	AC-FT	122400					

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13950533
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	140	115	120	110	140	245	310	311	222	180	12
2	0	140	115	120	110	140	253	310	274	298	177	13
3	0	140	115	120	110	140	360	310	275	277	173	14
4	0	130	115	120	110	140	360	300	271	258	173	15
5	0	120	115	120	110	140	360	300	253	283	176	16
6	0	120	115	120	120	210	360	301	246	309	176	16
7	0	120	120	120	130	210	220	303	194	335	166	0
8	0	120	125	120	130	210	220	292	175	317	169	0
9	0	120	125	120	130	210	225	282	203	316	149	0
10	0	117	125	120	130	210	230	282	230	312	130	0
11	0	115	125	120	130	210	230	156	245	337	129	0
12	0	115	125	125	127	210	230	156	245	255	127	0
13	0	115	125	125	125	220	230	157	268	262	126	0
14	0	115	130	125	125	220	245	159	331	262	121	0
15	0	115	130	125	125	220	245	160	347	258	121	4
16	0	118	130	130	125	220	248	162	364	166	121	4
17	0	120	130	128	125	220	250	160	364	187	121	4
18	4	120	130	130	130	220	250	164	365	200	119	4
19	4	120	130	130	130	220	250	163	365	200	119	4
20	4	120	120	130	130	230	250	205	335	200	119	4
21	4	120	120	130	130	230	260	249	200	216	119	3
22	4	120	120	130	130	230	260	294	128	219	116	3
23	4	120	120	130	135	230	260	344	131	222	107	2
24	4	120	120	120	140	230	260	364	134	153	98	2
25	155	120	120	120	140	230	275	385	255	158	98	3
26	155	120	130	120	140	250	290	393	263	158	96	3
27	155	120	130	120	140	250	290	313	276	158	93	3
28	155	120	130	120	140	250	300	311	172	138	98	4
29	155	120	130	120	140	250	300	357	130	181	98	4
30	155	120	130	120	140	250	300	350	95	197	98	3
31	---	120	130	---	140	---	300	---	222	183	---	3
TOTAL	958	3760	3840	3573	3977	6340	8356	7992	7675	7237	3918	143
MEAN	32	121	124	123	128	211	270	266	248	233	131	5
MAX	155	140	130	130	140	250	360	393	365	337	180	16
MIN	0	115	115	120	110	140	220	156	95	138	96	0
AC-FT	1900	7500	7600	7100	7900	12600	16600	15900	15200	14400	7800	284

IRRIGATION YEAR 1984 TOTAL 57800 MEAN 158 AC-FT 114600

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13050535 INDEPENDENT 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	85	110	90	0	18	261	284	303	219	216	0
2	0	85	110	90	0	18	263	283	364	218	222	0
3	0	85	110	90	5	18	264	283	298	217	165	0
4	0	85	110	90	10	22	264	283	305	218	165	0
5	0	85	120	90	10	25	272	282	300	219	138	0
6	0	85	120	85	10	25	272	282	287	215	136	0
7	0	85	120	85	9	25	305	282	266	211	136	0
8	0	85	120	85	9	25	339	281	247	211	113	0
9	0	85	120	85	9	25	339	281	297	227	92	0
10	0	85	120	85	9	25	338	293	284	230	92	0
11	0	85	115	90	10	25	306	292	279	238	92	0
12	0	85	115	90	10	67	252	339	263	247	93	0
13	0	85	115	90	10	68	251	370	262	246	93	0
14	0	85	115	90	10	68	255	375	261	245	94	0
15	0	85	115	90	10	72	255	320	260	219	94	0
16	0	85	115	70	10	72	258	283	248	202	94	0
17	0	85	115	70	10	72	261	280	236	198	95	0
18	0	85	100	70	11	74	261	281	164	196	95	0
19	0	85	100	70	11	75	326	279	257	193	95	0
20	0	85	100	70	11	75	326	277	227	193	96	0
21	0	85	100	70	11	79	325	249	218	195	60	0
22	0	85	100	70	15	79	325	251	209	193	55	0
23	0	85	100	70	15	132	327	246	179	193	50	0
24	0	85	95	3	15	200	329	241	155	194	50	0
25	0	85	95	3	20	212	328	211	151	194	50	0
26	0	85	95	2	20	223	330	210	156	195	0	0
27	0	85	95	0	20	224	332	212	173	209	0	0
28	0	85	95	0	20	255	331	239	185	209	0	0
29	0	85	95	---	20	256	310	305	197	210	0	0
30	0	85	95	---	20	256	289	304	148	207	0	0
31	---	85	95	---	20	---	286	---	151	211	---	0
TOTAL	0	2635	3325	1893	370	2810	9180	8398	7330	6572	2681	0
MEAN	0	85	107	68	12	94	296	280	236	212	89	0
MAX	0	85	120	90	20	256	339	375	364	247	222	0
MIN	0	85	95	0	0	18	251	210	148	193	0	0
AC-FT	0	5200	6600	3800	734	5600	18200	16700	14500	13000	5300	0

IRRIGATION YEAR 1985 TOTAL 45200 MEAN 124 AC-FT 89600

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03/20/89

13050535 INDEPENDENT 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	94	80	80	55	35	123	313	147	147	217	192	0
2	94	80	80	55	35	153	257	158	186	244	192	0
3	94	80	80	55	35	153	254	196	187	222	192	0
4	94	80	80	55	35	170	247	223	185	183	194	0
5	94	80	80	55	35	189	264	264	184	183	194	0
6	94	80	80	55	35	189	278	272	180	185	194	0
7	94	85	80	60	35	189	309	287	200	188	194	0
8	94	85	80	60	35	205	322	250	241	216	192	0
9	87	85	80	60	35	222	321	238	263	239	189	0
10	91	85	80	60	35	222	323	203	270	229	187	0
11	87	85	80	45	35	222	292	154	289	229	186	0
12	85	85	80	45	35	222	261	152	288	226	189	0
13	83	85	80	45	35	222	259	177	265	233	191	0
14	83	82	80	45	35	222	260	208	255	233	189	0
15	83	80	80	40	45	222	258	242	273	235	180	0
16	89	80	80	40	45	222	245	235	274	240	172	0
17	89	80	80	40	45	222	226	234	180	240	172	0
18	89	85	80	43	48	242	199	239	64	242	172	0
19	69	85	80	45	50	263	195	208	64	240	172	0
20	69	85	80	45	50	263	155	201	64	244	172	0
21	69	80	80	45	50	263	154	202	64	238	0	0
22	68	80	80	40	75	263	155	214	64	235	0	0
23	67	80	80	35	75	272	152	187	63	233	0	0
24	67	83	80	35	75	309	158	149	61	233	0	0
25	67	85	80	35	78	337	192	128	63	210	0	0
26	67	85	80	35	80	328	182	110	104	197	0	0
27	67	85	80	35	80	322	142	142	114	195	0	0
28	67	82	80	35	80	337	152	190	183	195	0	0
29	67	80	80	---	80	335	154	137	183	192	0	0
30	67	80	80	---	80	337	150	138	185	191	0	0
31	---	80	80	---	80	---	149	---	184	192	---	0
TOTAL	2429	2552	2392	1298	1606	7240	6978	5885	5327	6779	3715	0
MEAN	81	82	77	46	52	241	225	196	172	219	124	0
MAX	94	85	80	60	80	337	323	287	289	244	194	0
MIN	67	80	60	35	35	123	142	110	61	183	0	0
AC-FT	4800	5100	4700	2600	3200	14400	13800	11700	10600	13400	7400	0

IRRIGATION YEAR 1987 TOTAL 46200 MEAN 127 AC-FT 91600

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