Distribution of Snake River Water in Idaho (including stored water in Jackson Lake Reservoir)

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Water District #1 Watermaster

9/14/2023

Idaho water rights based on *prior appropriation doctrine…… "first in time, first in right"*

Idaho farmers first began diverting water from Snake River and its tributaries in mid-1870's

Approximately 25 canals constructed between Heise and Rigby 1880 – 1890.

Canal diversions for irrigation in Idaho continued to increase through the early 1900's

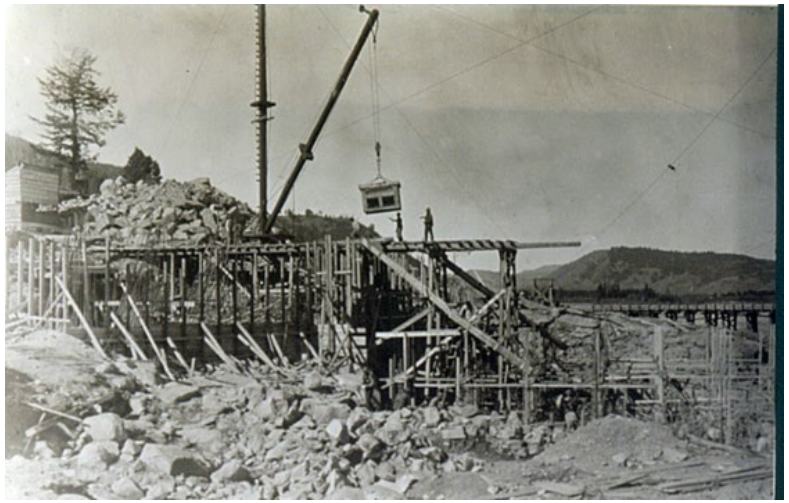
1905 was the first year Snake River canals experienced water shortages.

Snake River becomes dry for approximately 10 miles in the vicinity of Blackfoot, Idaho.

JACKSON LAKE DAM

Log-crib dam constructed at outlet of Jackson Lake in 1906 to store 300,000 acre-feet of water to later be released to satisfy downstream Idaho irrigation diversions in later half of irrigation season when the available downstream natural flow became exhausted.

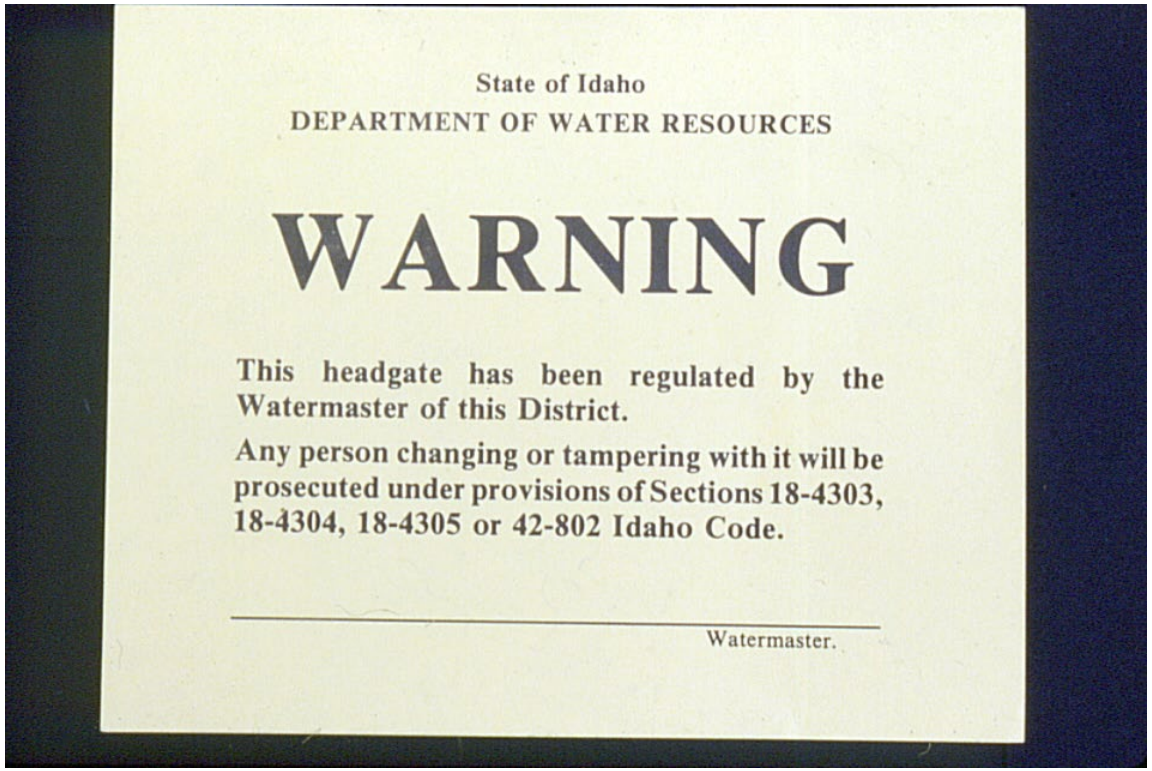
Jackson Dam rebuilt and raised in 1910 and again in 1913 increasing reservoir storage capacity behind dam to the current 847,000 acre-feet.



1910 - 1913

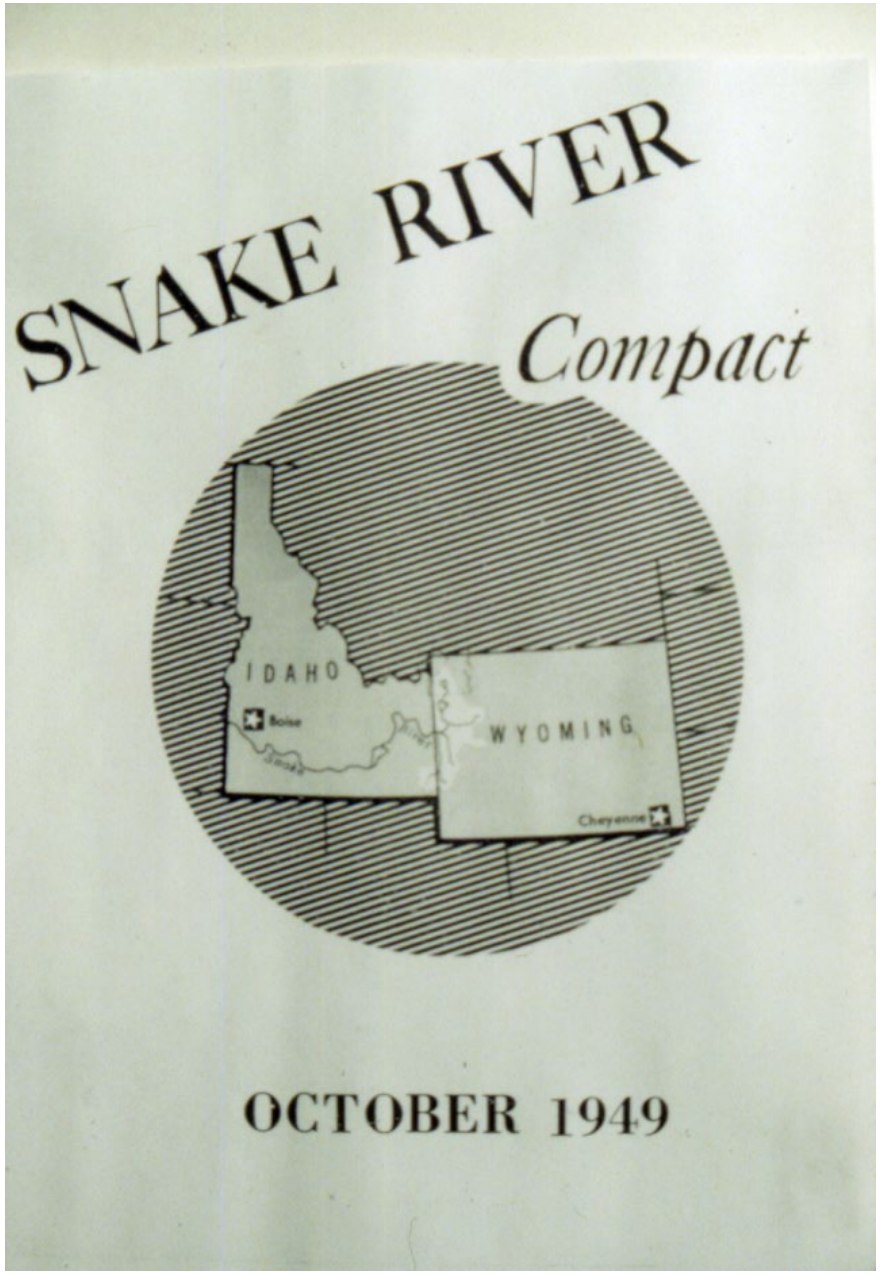
- Water shortages necessitate the adjudication of currently held water rights
- “Rexburg Decree” is issued covering irrigation water rights diverted for Idaho lands above Blackfoot.
- “Foster Decree” adjudicates Snake River water rights for diversions between Blackfoot and Milner Dam.

Water District #36 (later renamed Water District #1) established in Idaho in 1919 to regulate Snake River irrigation diversions according to their water right priorities/amounts, and to ensure reservoir storage water released from Jackson Lake made its way all the way down the Snake River past several Idaho irrigation diversions to reach the canals that had the storage rights in Jackson Lake Reservoir.



Snake River Compact between Wyoming and Idaho (October 1949)

96% of unappropriated water (as of 1949) from the Snake River headwaters to the Wyoming/Idaho State Line and all tributaries flowing into it within the boundaries of Wyoming shall be allocated to Idaho……with the remaining 4% of unappropriated water (as of 1949) allocated to Wyoming.



How does Water District #1 determine who is entitled to divert natural-flow from the Snake River and its tributaries each day?

Step 1: Calculate the daily “reach gain” for each reach of the Snake River from its source down to Milner Dam near Twin Falls Idaho. Total of 36 river reaches.

Reach Gain = Reach outflow – Reach Inflow + Reach diversions + Change in Reservoir Storage if reach contains a reservoir

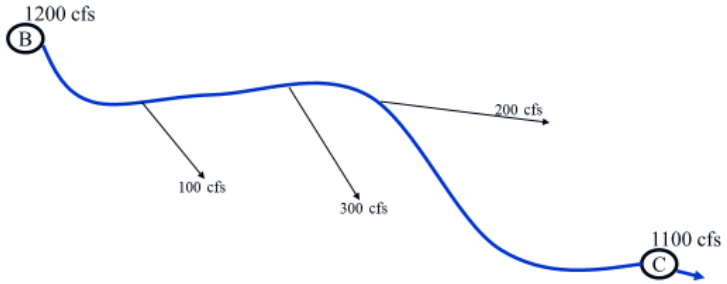
How does Water District #1 determine who is entitled to divert natural-flow from the Snake River and its tributaries each day?

Step 2: Sum the reach gains (upstream to downstream) calculated for each river reach to determine the total natural flow available to be distributed to water rights. Total of 36 river reaches from top to bottom of river system.

Reach Gain

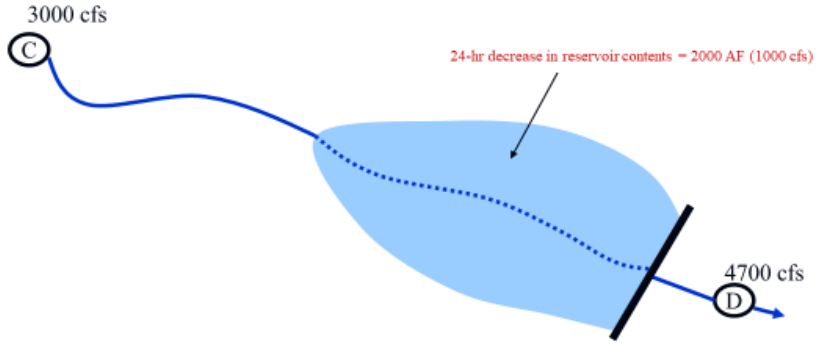
Reach Gain = Outflow minus Inflow
= 1200 cfs – 0 cfs
= 1200 cfs

Reach Gain with Diversions



Reach Gain = Outflow – Inflow + Diversions
= 1100 cfs – 1200 cfs + 600 cfs
= 500 cfs

Reach Gain with a Reservoir

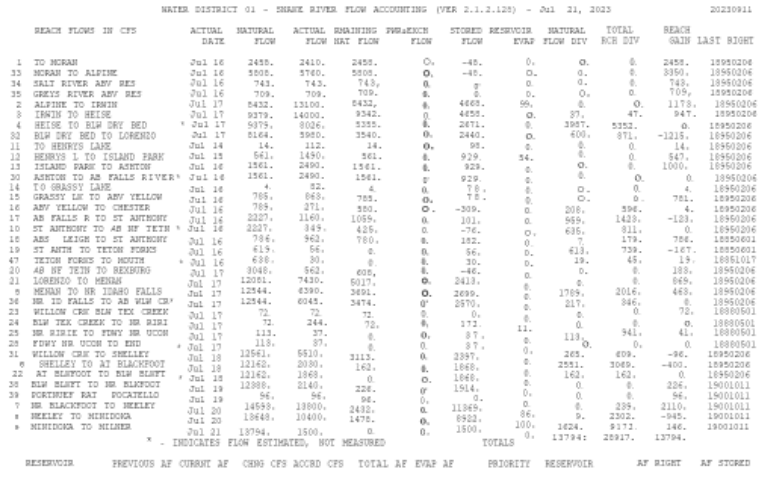


Reach Gain = Outflow – Inflow - Decrease in Storage
= 4700 cfs – 3000 cfs - 1000 cfs
= 700 cfs

How does Water District #1 determine who is entitled to divert natural-flow from the Snake River and its tributaries each day?

Step 3: Distribute the total natural flow to each canal and reservoir according to its water right priority and amount.

- Water right with earliest priority distributed its water right first.
- Water right with second earliest priority distributed its water second…..and so on…..until all the natural flow has been distributed to earliest diversions and reservoir priorities.
- In addition to natural flow, most diversions also have storage allocations from the reservoir system.



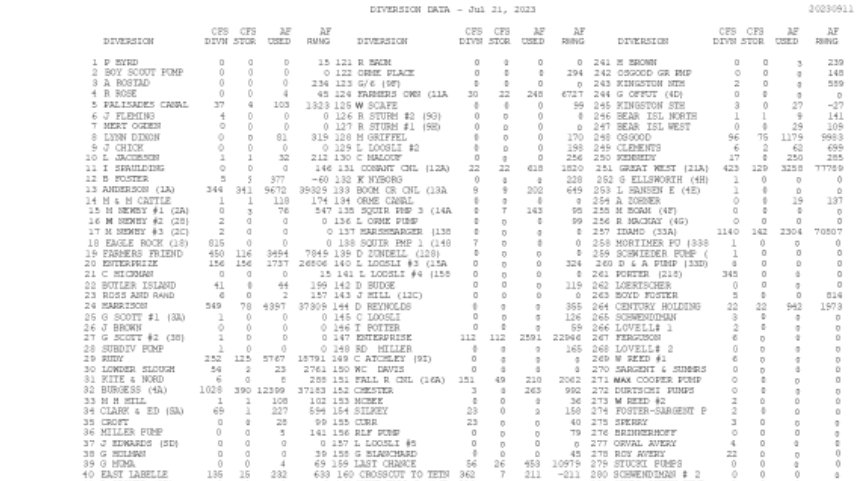
WATER DISTRICT 01 - SNAKE RIVER FLOW ACCOUNTING (VER 2.1.2.128) - Jul 21, 2023 20230911

REACH FLOWS IN CFS

	REACH	ACTUAL DATE	NATURAL FLOW	ACTUAL FLOW HAT	SHAHINY FLOW	PWRaESCH FLOW	STORED FLOW	RESERVOIR EVAP	NATURAL FLOW DIV	TOTAL RCH DIV	REACH GAIN	LAST RIGHT
1	TO MORAN	Jul 16	2455.	2410.	2455.	0.	-45.	0.	0.	0.	2455.	18950206
33	MORAN TO ALPINE	Jul 16	5805.	5760.	5805.	0.	-45.	0.	0.	0.	3350.	18950206
34	SALT RIVER ABV RES	Jul 16	743.	743.	743.	0.	0.	0.	0.	0.	743.	18950206
35	GREYS RIVER ABV RES	Jul 16	709.	709.	709.	0.	0.	0.	0.	0.	709.	18950206
2	ALPINE TO IRWIN	Jul 17	5432.	13100.	5432.	0.	4868.	99.	0.	0.	1173.	18950206
8	IRWIN TO HEISE	Jul 17	9379.	14000.	9342.	0.	4658.	0.	37.	47.	947.	18950206
4	HEISE TO BLW DRY BED	* Jul 17	9379.	8026.	5355.	0.	2671.	0.	3987.	5352.	0.	18950206
32	BLW DRY BED TO LORENZO	Jul 17	5164.	5960.	3540.	0.	2440.	0.	600.	871.	-1215.	18950206
11	TO HENRYS LAKE	Jul 14	14.	112.	14.	0.	98.	0.	0.	0.	14.	18950206
12	HENRYS L TO ISLAND PARK	Jul 15	561.	1490.	561.	0.	929.	34.	0.	0.	547.	18950206
13	ISLAND PARK TO ASHTON	Jul 16	1561.	2490.	1561.	0.	929.	0.	0.	0.	1000.	18950206
30	ASHTON TO AB FALLS RIVER	* Jul 16	1561.	2490.	1561.	0.	929.	0.	0.	0.	0.	18950206
14	TO GRASSY LAKE	Jul 16	4.	82.	4.	0.	78.	0.	0.	0.	4.	18950206
15	GRASSY LK TO ABV YELLOW	Jul 16	765.	843.	765.	0.	78.	0.	0.	0.	761.	18950206
16	ABV YELLOW TO CHESTER	Jul 16	765.	271.	550.	0.	-309.	0.	206.	594.	4.	18950206
17	AB FALLS R TO ST ANTHONY	Jul 16	2227.	1160.	1059.	0.	101.	0.	569.	1428.	-123.	18950206
10	ST ANTHONY TO AB MF TETN	* Jul 16	2227.	349.	425.	0.	-76.	0.	635.	811.	0.	18950206
18	ABS - LEIGH TO ST ANTHONY	Jul 16	796.	962.	780.	0.	182.	0.	0.	179.	796.	18950601
19	ST ANTH TO TETON FORKS	Jul 16	615.	56.	0.	0.	56.	0.	613.	739.	-167.	18950601
47	TETON FORKS TO MOUTH	* Jul 16	638.	30.	0.	0.	30.	0.	19.	45.	19.	18861017
20	AB NF TETN TO REXBURG	Jul 17	3048.	562.	605.	0.	-46.	0.	0.	0.	188.	18950206
21	LORENZO TO MERAN	Jul 17	12051.	7430.	5017.	0.	2413.	0.	0.	0.	849.	18950206
5	MERAN TO NR IDAHO FALLS	Jul 17	12544.	6390.	3491.	0.	2699.	0.	1709.	2016.	468.	18950206
36	NR ID FALLS TO AB WLW CRK	Jul 17	12544.	6045.	3474.	0.	2570.	0.	217.	846.	0.	18950206
23	WILLOW CRK BLW TEX CREEK	Jul 17	72.	72.	72.	0.	0.	0.	0.	0.	72.	18880501
24	BLW TEX CREEK TO NR RIRI	Jul 17	72.	244.	72.	0.	172.	11.	0.	0.	0.	18880501
25	NR RIRIE TO FDWY NR UCON	Jul 17	113.	37.	0.	0.	37.	0.	113.	0.	941.	41.	18880501
26	FDWY NR UCON TO END	* Jul 17	118.	37.	0.	0.	37.	0.	0.	0.	0.	18880501
31	WILLOW CRK TO SHELLEY	Jul 18	12561.	5810.	3113.	0.	2387.	0.	265.	609.	-96.	18950206
6	SHELLEY TO AT BLACKFOOT	Jul 18	12162.	2030.	162.	0.	1868.	0.	2551.	3049.	-400.	18950206
22	AT BLKFOOT TO BLW BLKFT	* Jul 18	12162.	1868.	0.	0.	1868.	0.	162.	162.	0.	18950206
38	BLW BLKFT TO NR BLKFOOT	Jul 19	12388.	2140.	226.	0.	1914.	0.	0.	0.	226.	19001011
39	PORTNUEF BAT POCATELLO	Jul 19	96.	96.	96.	0.	0.	0.	0.	0.	96.	19001011
7	NR BLACKFOOT TO SHELLEY	Jul 20	14593.	13800.	2432.	0.	11369.	0.	0.	239.	2110.	19001011
9	SHELLEY TO MINIDOKA	Jul 20	18648.	10400.	1475.	0.	8925.	86.	9.	2302.	-945.	19001011
9	MINIDOKA TO MILNER	Jul 21	13794.	1500.	0.	0.	1500.	100.	1624.	9171.	146.	19001011
		* - INDICATES FLOW ESTIMATED, NOT MEASURED						TOTALS	13794:	28917.	13794.	

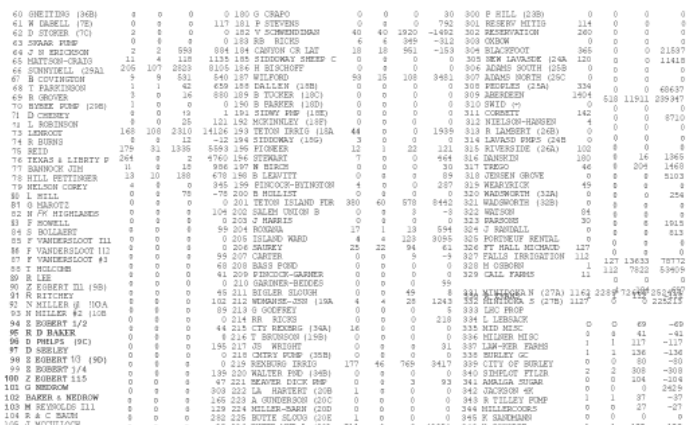
	RESERVOIR	PREVIOUS AF	CURRNT AF	CHNG CFS	ACCRD CFS	TOTAL AF	EVAP AF
1	JACKSON LAKE	770426.0	769685.0	-373.6	0.0	782245.6	0.0
2	PALISADES	1070721.0	1061170.0	-4815.2	0.0	1204983.1	13452.0
3	HENRYS LAKE	89737.0	89602.0	-68.1	0.0	87698.7	0.0
4	ISLAND PARK	122614.0	120951.0	-838.4	0.0	132956.8	5478.8
5	GRASSY LAKE	14745.0	14589.0	-78.6	0.0	15204.0	0.0
6	RIRIE	74475.0	74101.0	-188.6	0.0	75500.0	1541.0
7	AMERICAN FALLS	971542.0	953203.0	-9256.7	0.0	1662175.7	12695.2
8	LAKE WALCOTT	92273.0	92500.0	114.4	0.0	95200.0	15117.8
9	LAKE MILNER	39482.7	39410.2	-36.6	0.0	0.0	0.0
	TOTAL	3246315.7	3215291.2	-15641.3	0.0	4055993.9	46584.8
		CHANGE IN CONTENT	STORAGE DIVERTED	STO PAST MILNER	TOTAL STORED	ADDT'L STORED	AM FALLS GAIN DIFF
	YEAR-TO-DATE AF	-559383.4	5017000.9	150327.9	4045017.1	37000.0	2964.6

	PRIORITY	RESERVOIR	AF RIGHT	AF STORED
1	JACKSON LAKE 1906		235314.6	235314.6
2	LAKE WALCOTT		95200.0	95200.0
3	JACKSON LAKE 1910		135029.0	135029.0
4	JACKSON LAKE 1913		406101.8	406101.8
5	HENRYS LAKE 1917		77048.7	77048.7
6	PALISADES WWS		254716.0	254716.0
7	ISLAND PARK 1921		45000.0	45000.0
8	AMERICAN FLS WWS		1648300.0	1648300.0
9	AMERICAN FALLS	1905	1505345.7	1505345.7
10	ISLAND PARK 1935		87986.8	87986.8
11	GRASSY LAKE		15204.0	15204.0
12	PALISADES 1939		900412.4	900412.4
13	HENRYS LAKE 1965		10650.0	10650.0
14	RIRIE		76500.0	76500.0
15	PALISADES FWRED		9990.0	9990.0
16	RENTAL LIF		276962.0	89062.7



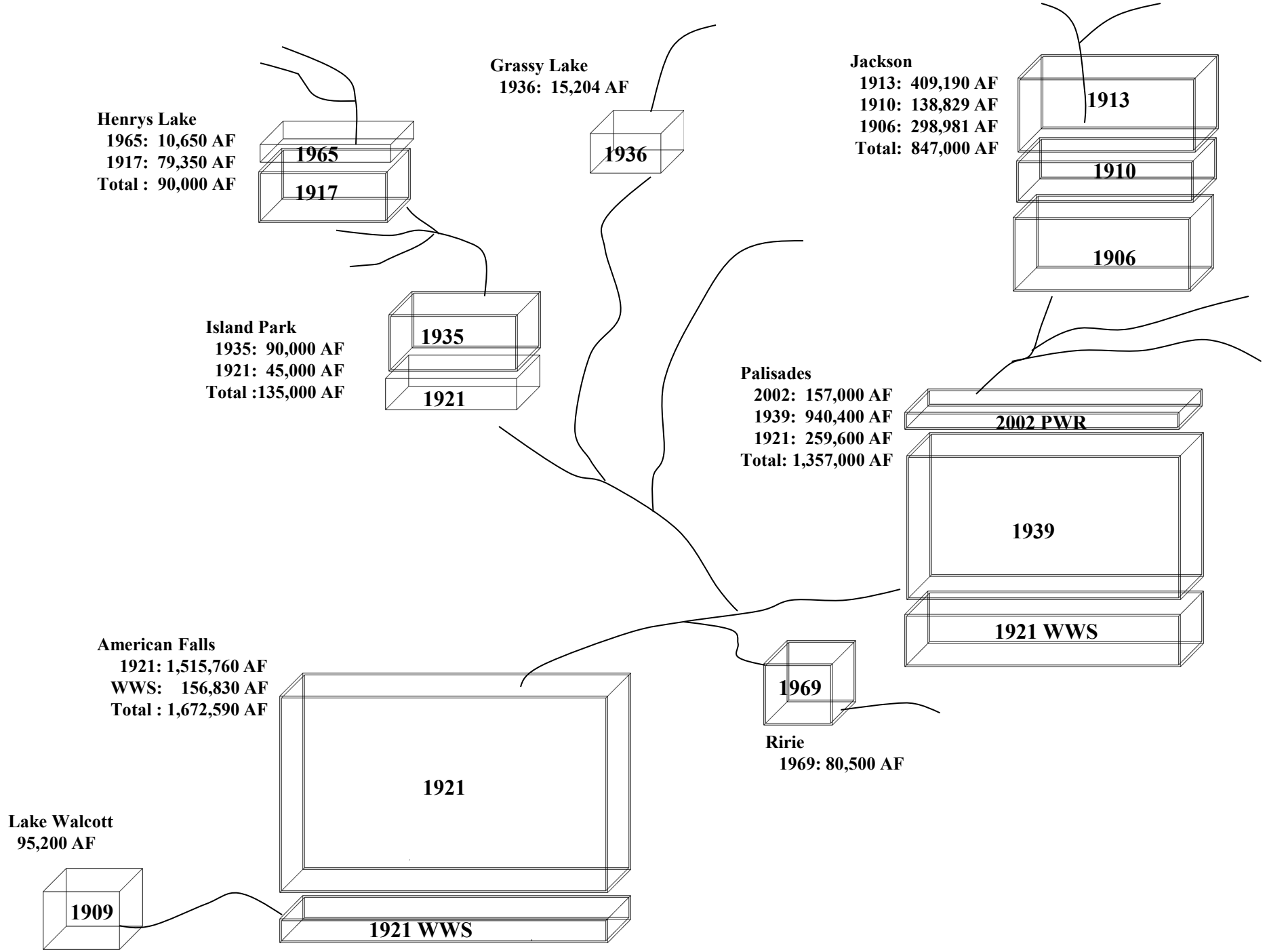
DIVERSION DATA - Jul 21, 2023 20230911

	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG
1	P EYRD	0	0	0	15	121 R EAGM	0	0	0	0	241 M BROWN	0	0	3	239
2	BOY SCOUT PUMP	0	0	0	0	122 CRNE PLACE	0	0	0	294	242 OSGOOD GR PMP	0	0	3	148
3	A ROSTAD	0	0	0	234	123 S/E (ST)	0	0	0	0	243 KINGSTON STH	2	0	3	539
4	R ROSE	0	0	4	45	124 FARMERS OWN (11A	30	22	248	6727	244 G OFFUT (4D)	0	0	0	0
5	PALISADES CANAL	37	4	103	1323	125 W SCAFE	0	0	0	99	245 KINGSTON STH	3	0	27	-27
6	J FLEMING	4	0	0	0	126 R STURM #2 (9G)	0	0	0	0	246 BEAR ISL NORTH	1	1	9	141
7	MERT OSKEN	0	0	0	0	127 R STURM #1 (9E)	0	0	0	0	247 BEAR ISL WEST	0	0	29	109
8	LYNN DIXON	0	0	81	819	128 H GRIFFEL	0	0	0	170	248 OSGOOD	96	75	1179	9983
9	J CHICK	0	0	0	0	129 L LOOSLI #2	0	0	0	198	249 CLEMENTS	6	2	62	699
10	L JACOBSEN	1	1	32	212	130 C MALOUF	0	0	0	256	250 KENNEDY	17	8	250	285
11	I SHAULDING	0	0	0	146	131 CONWAY CNL (12A)	22	22	618	1820	251 GREAT WEST (21A)	423	329	3258	77789
12	B FOSTER	5	5	377	-60	132 K NYBORG	0	0	0	228	252 G ELLSWORTH (4H)	1	0	0	0
13	ANDERSON (1A)	344	341	9672	39329	133 BOOM CR CNL (13A	9	9	202	649	253 L HANSEN E (4E)	1	0	0	0
14	M & H CATTLE	1	1	118	174	134 ORME CANAL	0	0	0	0	254 A ZORBER	0	0	19	137
15	M HENRY #1 (2A)	0	0	76	547	135 SQUIR PMP 3 (14A	8	7	143	95	255 M BOAM (4F)	0	0	0	0
16	M HENRY #2 (2B)	2	0	0	0	136 L ORME PUMP	0	0	0	99	256 R MACKAY (4G)	0	0	0	0
17	M HENRY #3 (2C)	2	0	0	0	137 HARSENBARGER (13E	0	0	0	0	257 IDAHO (33A)	1140	142	2304	70507
18	EAGLE ROCK (1G)	815	0	0	0	138 SQUIR PMP 1 (14B	7	0	0	0	258 MORTIMER FO (33B	1	0	0	0
19	FARMERS FRIEND	450	136	3494	7049	139 D ZUNDELL (12B)	0	0	0	0	259 SCHNEIDER PUMP (	1	0	0	0
20	ENTERPRIZE	156	156	1737	26806	140 L LOOSLI #3 (25A	0	0	0	324	260 D & A PUMP (33D)	0	0	0	0
21	C MICHAAN	0	0	0	15	141 L LOOSLI #4 (15E	0	0	0	0	261 PORTER (21E)	345	0	0	0
22	BOTLER ISLAND	41	8	44	199	142 D BUDGE	0	0	0	119	262 LOERTSCHER	0	0	0	0
23	ROSS AND RAND	6	0	2	257	143 J HILL (12C)	0	0	0	0	263 BOYD FOSTER	5	0	0	814
24	HARRISON	549	78	4397	37309	144 D REYNOLDS	0	0	0	355	264 CENTURY HOLDING	22	22	842	1573
25	G SCOTT #1 (3A)	1	0	0	0	145 C LOOSLI	0	0	0	126	265 SCHWENDIMAN	0	0	0	0
26	J BROWN	0	0	0	0	146 T POTTER	0	0	0	59	266 LOVELL# 1	2	0	0	0
27	G SCOTT #2 (3B)	1	0	0	0	147 ENTERPRISE	112	112	2591	22946	267 FERGUSON	6	0	0	0
28	MURPHY PUMP	1	0	0	0	148 RD MILLER	0	0	0	165	268 LOVELL# 2	6	0	0	0
29	RUDY	252	125	5767	18791	149 C ATCHLEY (9I)	0	0	0	0	269 W REED #1	6	0	0	0
30	LOWDER SLOUGH	54	2	23	2761	150 WC DAVIS	0	0	0	0	270 SARGENT & SUMMERS	0	0	0	0
31	KITE & WORD	6	0	5	288	151 FALL R CNL (16A)	151	49	210	2062	271 MAX COOPER PUMP	0	0	0	0
32	BURGESS (4A)	1028	390	12399	37182	152 WEBSTER	3	3	263	992	272 DURTSCHE PUMPS	10	0	0	0
33	M H HILL	1	1	108	102	153 MCNEE	0	0	0	36	273 W REED #2	2	0	0	0
34	CLARK & ED (8A)	69	1	227	594	154 SILKEY	23	0	0	158	274 FOSTER-SARGENT P	2	0	0	0
35	GROFF	0	0	28	99	155 CURB	23	0	0	40	275 SPERRY	3	0	0	0
36	MILLER PUMP	0	0	5	141	156 RLF PUMP	0	0	0	79	276 BRIENKOPF	0	0	0	0
37	J EDWARDS (5D)	0	0	0	0	157 L LOOSLI #5	0	0	0	0	277 ORVAL AVERY	4	0	0	0
38	G NELSON	0	0	0	39	158 G BLANCHARD	0	0	0	45	278 ROY AVERY	22	0	0	0
39	G MIMA	0	0	4	69	159 LAST CHANCE	56	26	459	10979	279 STUCKI PUMPS	0	0	0	0
40	EAST LABELLE	139	15	292	638	160 CROSSCUT TO TETH	362	7	211	-211	280 SCHWENDIMAN # 2	0	0	0	0
41	B GROVER (8B)	0	0	0	0	161 XCUT FALL R (16B	226	0	0	0	281 ORVAL AVERY PUMP	2	0	0	0
42	RIGBY	203	42	1908	4222	162 FARMERS FRIEND	58	25	1049	3506	282 ROY COOPER SAND	26	8	0	0
43	K FOSTER (SC)	1	0	0	0	163 TWIN GROVES	102	0	0	4017	283 ROY COOPER WILL	8	0	0	0
44	WHITE ISLAND	0	0	0	0	164 ST ANTH Q (17A)	377	3	0	10724	284 D BEELER	4	0	0	0
45	DILTS LAT (6B)	0	0	0	0	165 SALEM UNION CANA	242	3	90	29092	285 PROGRESSIVE SAND	597	8	0	0
46	DILTS (6A)	22	0	51	2458	166 EGIN	290	20	186	9240	286 BEAN	0	0	0	0
47	ISLAND (9GA)	179	0	0	4967	167 ST AN U FOR (17B	69	3	0	0	287 W & S COOPER	5	0	0	0
48	W LAKE & IG I (7A	520	0	466	6265	168 INDEPENDENT	164	69	721	31272	288 IDAHO FB SAND CK	0	0	0	0
49	PARKS&LEWIS (36A	440	92	3172	2173	169 CONSOLIDATED FRS	292	92	815	21600	289 DEMICK	0	0	0	0
50	NORTH HIGHY	52	2	386	780	170 SOUTH PIPE (31A)	7	60	2196	-1007	290 PROGRESSIVE WILL	222	113	2433	-2433
51	WHITE DITCH (7B)	3	0	0	0	171 J RICKS (31B)	0	0	0	0	291 IF MONROE LYONS	1	1	29	-29
52	H PHILLIPS	0	0	0	106	172 BOELME (31C)	19	0	0	0	292 WOODVILLE (22A)	49	0	0	14668
53	VON BARON	0	0	0	0	173 CLEMENTSVLL (31D	8	0	0	0	293 SJC PUMP	0	0	6	-6
54	BRAMWELL (8A)	0	0	0	0	174 HIBBERT FARMS	0	0	0	119	294 MULBERRY PUMP	0	0	0	0
55	ELLIS (30E)	12	0	0	0	175 R & J BROWN	15	15	516	-705	295 BRWN/ROMSEY (22C	0	0	0	0
56	FRESH PAC (8E)	0	0	0	0	176 FL STOTT	8	8	0	0	296 WOODVL RIER (22B	16	0	0	0
57	J T JONES	0	0	1	-1	177 B PARKINSON	30	30	1589	-1455	297 GEM LAKE WILD	1	1	15	-15
58	C JONES	1	1	67	-67	178 CANYON CR CANAL	0	0	0	0	298 SNAKE R VV (23A)	541	341	4748	66396
59	A ZOMMER (7D)	0	0	0	0	179 LINDEMAN (31E)	33	0	0	0	299 A CORBETT	0	0	0	0



60	GHEITING (36B)	0	0	0	0	180 G CRAPO	0	0	0	30	300 P HILL (23B)	0	0	0	0
61	W CASELL (7E)	0	0	0	117	181 P STEVENS	0	0	0	792	301 RESERV MITIG	114	0	0	0
62	D STOKER (7C)	2	0	0	0	182 V SCHWENDIMAN	40	40	1920	-1492	302 RESERVATION	280	0	0	0
63	SYAAE FIRE	0	0	0	0	183 BB RICKS	6	6	349	-312	303 OSBOW	0	0	0	0
64	J H ERICKSON	2	2	550	804	184 CANYON CR LAT	18	18	561	-153	304 BLACKFOOT	965	0	0	21597
65	MATTSON-CRAIG	12	4	128	1135	185 SIDEWAY SHEEP C	0	0	0	0	305 NEW LAVASHE (24A	120	0	0	11418
66	SUNNYDELL (29A)	206	107	2828	8105	186 H BISCHOFF	0	0	0	0	306 AGNES SOUTH (25B	0	0	0	0
67	B COVINGTON	9	9	531	840	187 WILFORD	59	15	108	3481	307 ADAMS NORTH (29C	0	0	0	0
68	T PARKINSON	1	1	42	659	188 DALLEN (13B)	0	0	0	0	308 PEDDLES (25A)	334	0	0	68637
69	B GROVER	3	0	16	880	189 B TUCKER (18C)	0	0	0	0	309 ABERDEEN	1904	518	11911	239347
70	HYREE PUMP (29E)	1	0	0	0	190 B PARKER (18D)	0	0	0	0	310 SWID (*)	0	0	0	0
71	D CHENEY	0	0	0	19	191 SIDNY PMP (18E)	0	0	0	0	311 CORBETT	162	0	0	0
72	L ROBINSON	0	0	25	121	192 MCKINNLEY (18F)	0	0	0	0	312 NIELSON-HANSEN	4	0	0	8710
73	LEHROOT	148	108	2310	14126	193 TETON IRRIG (18A	44	0	0	1939	313 R LAMBERT (26B)	0	0	0	0
74	R BURNS	8	8	12	192	194 SIDEWAY (18G)	3	0	0	0	314 LAVASH PUMPS (24B	0	0	0	0
75	REID	179	31	1336	5593	195 PIONEER	12	1	22	121	315 RIVERSIDE (26A)	102	8	0	0
76	TEXAS & LIBRTY P	264	8	2	4760	196 STEWART	7	0	0	464	316 DANSKIN	180	8	16	1969
77	SANROCK JIM	11	0	15	936	197 N BIRCH	0	0	0	30	317 TREGO	46	8	204	1468
78	HILL PETTINGER	13	10	188	678	198 B LEAVITT	0	0	0	89	318 OEHSEN GROVE	0	8	8	5103
79	NELSON COREY	4	8	0	945	199 PINCOCK-BURNSTON	4	0	0	287	319 WEAVIRIOR	49	8	8	8
80	L HILL	0	0	75	-75	200 B MOLLIES	0	0	0	0	320 WADSWORTH (32A)	0	0	0	256
81	G HAROTZ	0	0	0	0	201 TETON ISLAND FDR	380	60	570	8442	321 WADSWORTH (32B)	0	8	8	0
82	N FK HIGHLANDS	0	0	0	104	202 SALEM UNION B	0	0	0	-0	322 WATSON	84	8	8	8
83	F HOWELL	0	0	0	0	203 J HARRIS	30	0	0	0	323 HARSONS	30	8	8	1915
84	S BOLLARET	0	0	0	95	204 BONDRA	17	1	13	594	324 J RANDALL	0	0	0	813
85	F VANDERSLOOT III	0	0	0	0	205 ISLAND WARD	4	4	228	3085	325 PORTNEUF RENTAL	0	0	0	0
86	F VANDERSLOOT II	0	0	0	0	206 SAURKY	25	22	94	61	326 FT HALL MICHAUD	127	0	0	6
87	F VANDERSLOOT #3	0	0	0	9	207 CARTER	0	0	9	-9	327 FALLS IRRIGATION	112	0	0	0
88	T HOLCOMB	0	0	0	0	208 BASS POND	0	0	0	0	328 H OSBORN	1	127	13633	78772
89	R LEE	0	0	0	41	209 PINCOCK-GARNER	0	0	0	0	329 CALL FARMS	11	112	7822	53409
90	K EGBERT III (9B)	0	0	0	0	210 GARDNER-BEDDES	0	0	0	99			0	0	0
91	R HITCHEY	0	0	0	49	211 BIGLER SLOUGH	0	0	0	0	331 WINDOWA N (27A)	1163	228	7324	262
92	N MILLER @ HOA	0	0	0	102	212 WINAMA-JESS (19A	4	4	28	1243	332 WINDOWA S (27B)	1127	0	112	0 228215
93	M MILLER #2 (10B	0	0	0	89	213 G GODFREY	0	0	0	8	333 LBC PROP		0	0	0
94	E EGBERT 1/2	0	0	0	0	214 RR RICKS	0	0	0	238	334 E EGBERT	0	0	69	-69
95	R D BAKER	0	0	0	44	215 CITY REXBURG (34A)	16	0	0	0	335 MID MISC	0	0	41	-41
96	D PHELPS (9C)	0	0	0	0	216 T BROBSON (19B)	0	0	0	0	336 MILNER MISC	9	8	41	-41
97	D SEELEY	0	0	0	195	217 JS WRIGHT	1	1	0	31	337 LAW-KER FARMS	1	1	117	-117
98	E EGBERT 1/3 (9D)	0	0	0	0	218 CMTRY PUMP (35B)	0	0	0	0	338 SHIRLEY GC	1	1	136	-136
99	E EGBERT 1/4	0	0	0	0	219 REXBURG ISRIG	177	46	765	3417	339 CITY OF BURLEY	0	0	80	-80
100	Z EGBERT 115	0	0	0	139	220 WALTER PMP (34B)	0	0	0	0	340 SIMPLOT FILER	2	2	308	-308
101	G HEDROM	0	0	0	47	221 BEAVER DICK RMP	0	0	3	93	341 AMALGA SUGAR	0	0	104	-104
102	BARER & NEDROW	0	0	0	309	222 LA HARTERT (20B	1	0	0	0	342 JACKSON 4K	0	0	0	2429
103	M REYNOLDS III	0	0	0	165	223 A GUNDERSON (20C	0	0	0	0	343 R TILLEY PUMP	1	1	37	-37
104	R A C BAUM	0	0	0	129	224 MILLER-BARN (20D	0	0	0	0	344 MILLERSOORS	0	0	27	-27
105	J MCCULLOCH	0	0	0	95	225 BUTTE-MKT L (20A	314	0	0	48851	345 K SAXEHAHN	0	0	0	0
106	M REYNOLDS #2	0	0	0	49	226 BUTTE-MKT L (20E	0	0	0	0	346 H SCHODDE	1	1	188	-188
107	A NEDROW III	0	0	0	49	227 BEAR TRAP	0	0	29	1353	347 FR ENT #1	0	0	0	0
108	A NEDROW 112	0	0	0	49	228 WALKER FARMS	0	0	0	0	348 FR ENT #2	1	0	0	0
109	J NEDROW	0	0	0	0	230 A WILEX RIRP	0	0	0	0	349 SWID PUMPS	0	0	38	-38
110	V & D KIRKHAM	0	0	0	0	231 K ALBERTSON	0	0	0	0	350 F HOBSON	0	0	21	-21
111	D NEDROW	0	0	0	0	232 N FULLMER	2	0	0	0	351 V HOBSON	29	29	1009	6777
112	L FRANSEN (11B)	0	0	0	0	233 B NOWICK	1	0	0	0	352 A & BIRR DIST	0	0	48	244
113	L BRATT	0	0	0	4	234 B TOMCHAK #1	1	0	0	0	353 PA LATERAL (25B)	1	0	0	67
114	L LOOSLI #1	0	0	130	459	235 B TOMCHAK #3	2	1	63		354 MILNER IRRIG	230	230	21652	111176
115	DEWEY	0	0	0	0	236 KNUDSEN (20F)	0	0	0	0		44	0	0	0
116	J SEELEY	27	27	297	2500	237 STIENKE-MURDOCK	0	0	0	0		217	217	12209	75881
117	YELLOWSTONE	0	0	0	0	238 L CARLSON # (4B)	0	0	19	-83	355 A LATERAL (28C)	0	0	0	0
118	ATCHLEY PMPS (9E	190	190	2107	16497	239 B TOMCHAK #2	1	0	0	0	356 J BRUNE (25D)	3	0	0	0
119	HARRYSVILLE (9A)	0	0	0	198	240 L CARLSON S (4C)	1	0	0	449	357 NB SCOT (28E)	664	4	0	0
120	F & L GRIFFEL									0	358 RED DIST #2	1618	1615	84366	302556
										536	359 NORTHSIDE IF (28A	2851	337	122315	716260
										0	360 TWIN FALLS SOUTH	3510	2079	63945	167567

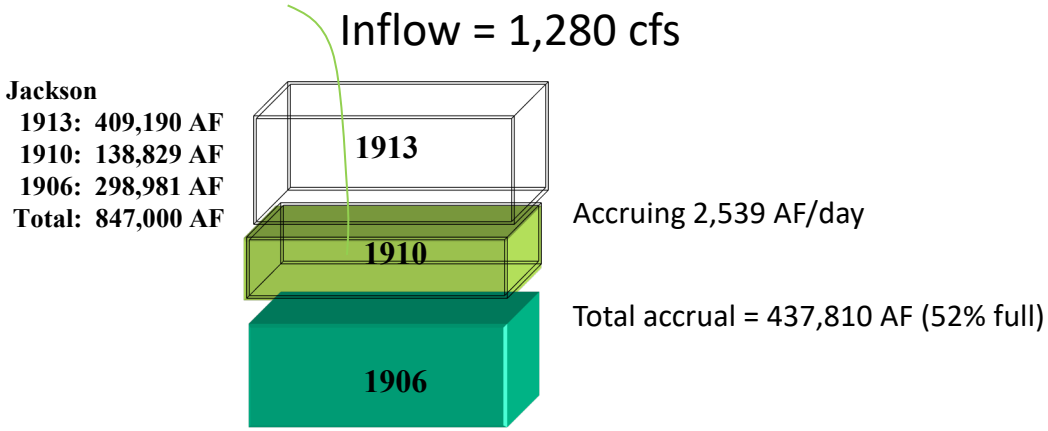
NOTE: DIVERSIONS WITH NUMBER AND LETTER IN PARENTHESES AFTER THE NAME INDICATE NATURAL FLOW AND STORAGE USE IS COMBINED AND REPORTED UNDER THE IDENTICALLY NUMBERED CANAL WITH LETTER "A". FOR EXAMPLE, NEWBY #2 (2B) AND NEWBY #3 (2C) ARE REPORTED UNDER NEWBY #1 (2A).


Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF
1965
1917
Grassy Lake
1936: 15,204 AF
1936
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF
1913
1910
1906
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF
1935
1921
Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF
2002 PWR
1939
1921 WWS
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF
1921
1921 WWS
1969
Ririe
1969: 80,500 AF
Lake Walcott
95,200 AF
1909

JACKSON LAKE – Water Right Accrual vs. Physical Contents

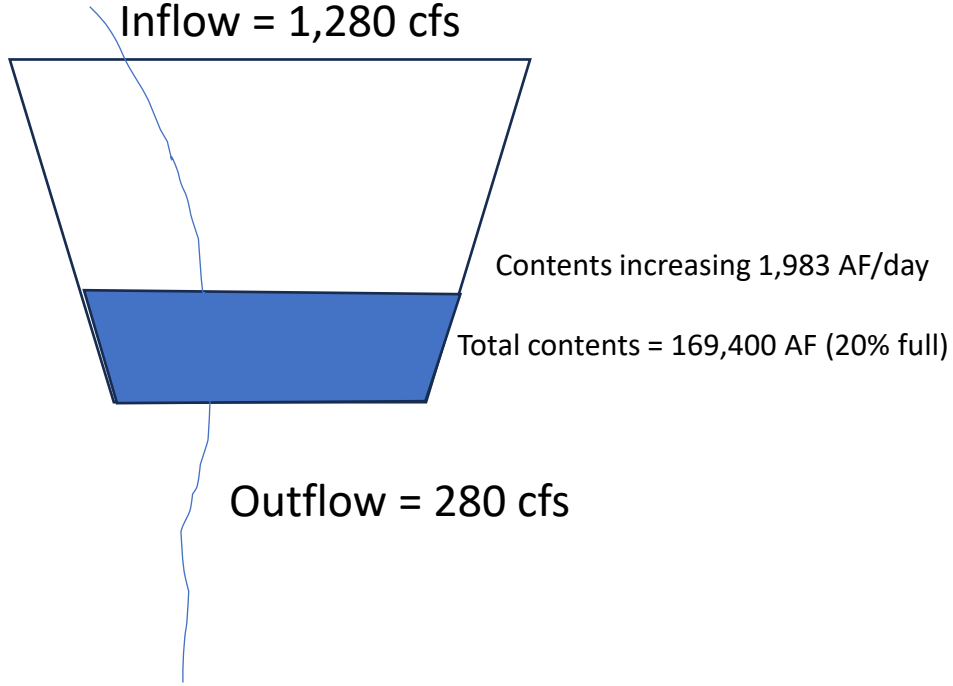
Water Right Accrual

Capacity = 847,000 AF



Physical Contents

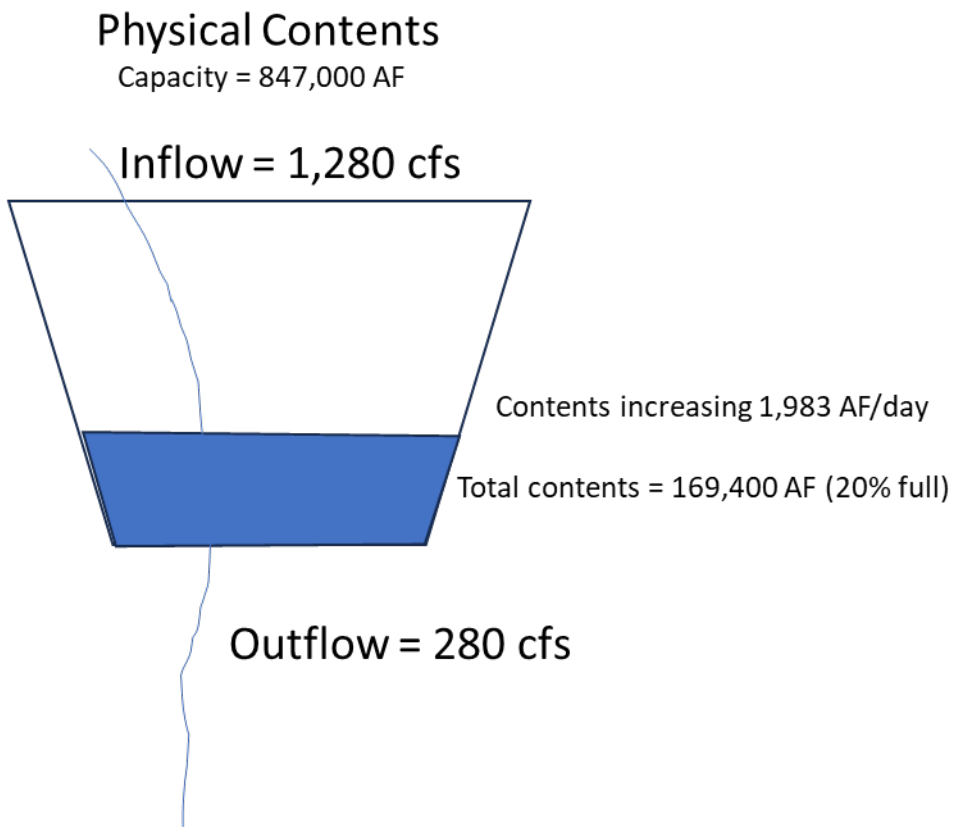
Capacity = 847,000 AF



Jackson Lake storage rights are senior to all downstream reservoirs.

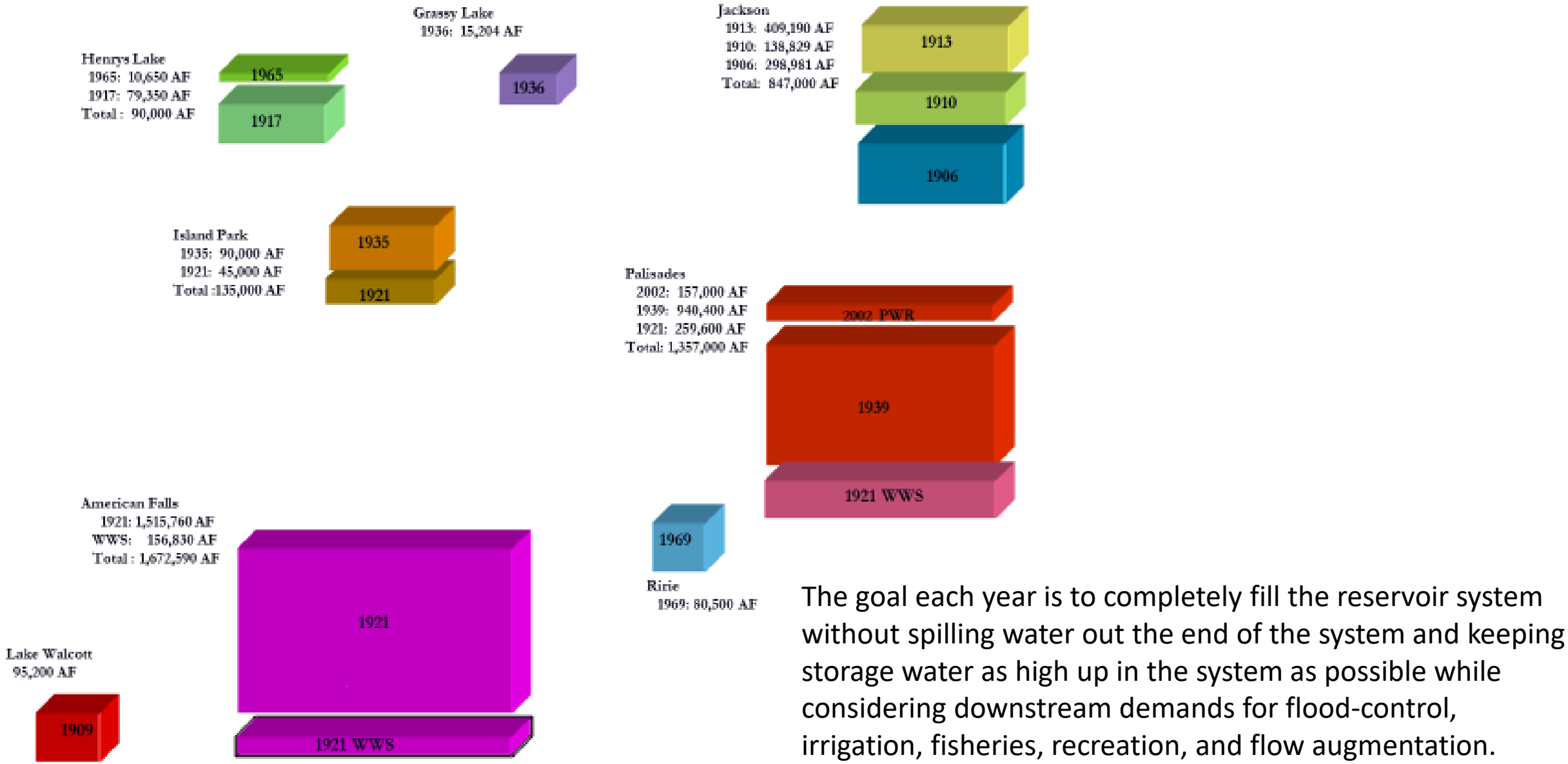
Releases from Jackson Dam are comprised of storage allocated to Jackson Lake USBR spaceholders unless reservoir remains 100% physically full.

If downstream reservoirs are unable to capture and store Jackson Lake releases, storage allocations to Jackson Lake USBR spaceholders may be reduced.



Outflows from Jackson Dam are determined by USBR taking into consideration: 1) Flood-control requirements; 2) Downstream irrigation demands; 3) Fisheries; 4) Boating/Rafting; and 5) Preserving previously stored water in the reservoir in case the upcoming winter snowpack isn't sufficient to completely refill the reservoir for the next season.

Once storage is released to flow downstream, you can't move it back upstream to store into the reservoir.



The goal each year is to completely fill the reservoir system without spilling water out the end of the system and keeping storage water as high up in the system as possible while considering downstream demands for flood-control, irrigation, fisheries, recreation, and flow augmentation.

QUESTIONS ?

Additional information and contacts:

Water District #1 Webpage www.waterdistrict1.com

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