

Water District 1 Report – September 24th, 2024

Last week's precipitation significantly impacted the natural flow supply, irrigation demand, and consequently, water right priorities. Briefly, gains in flow above Blackfoot surpassed diversions, resulting in surplus natural flow passing Blackfoot and available to downstream water rights. This surplus was evident in the system-wide water right deliveries in the early 1900s for a few days. Subsequently, natural flow levels above Blackfoot receded back below the level of diversion, once again splitting priorities at Blackfoot.

Short-term forecasts predict above-normal temperatures and below-normal precipitation. The upcoming diversion demand will be crucial in determining water right priorities for the rest of the season. System-wide reservoir levels are currently around 1.9 million acre-feet, similar to last year.

Flows and Diversions:

Above Blackfoot:

- Natural flow increased to 8,500 cfs but has since dropped to 7,000 cfs, comparable to levels a week ago. Diversions decreased by 1,300 cfs and are now at 7,200 cfs. The projected priority date is July 9, 1896, with a partial fill expected tomorrow, likely diminishing throughout the week due to anticipated hot, dry weather. Diversion demand will play a key role in where the priorities settle.

Above Lorenzo:

- 600 cfs of natural flow is passing Lorenzo. The Snake River at Lorenzo will stay on the same priority as "Above Blackfoot" unless this remaining natural flow drops to zero.

Below Blackfoot:

- Natural flow remains steady at 2,200 cfs. Diversions decreased by 1,200 cfs to 6,300 cfs. The current priority date is October 11, 1900.

Teton River:

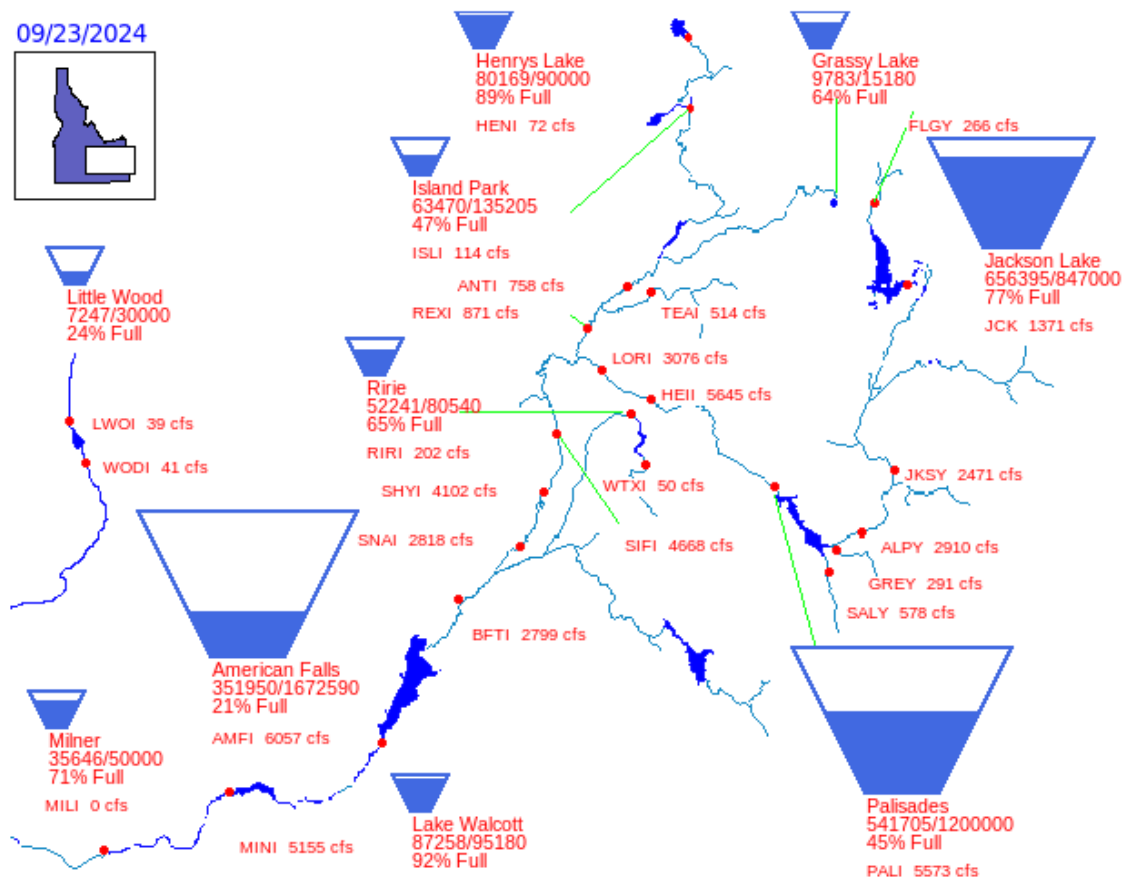
- 200 cfs of natural flow is reaching the Snake River from the Teton. The Teton River will remain on the same priority as the "Above Blackfoot" reach of the Snake until the natural flow remaining drops to zero, at which point it will return to the 1885 water right priority.

Natural flow levels above Blackfoot are comparable to those observed in 2005 and 2012, while those below Blackfoot are aligning with 2005 and 2022. The report has a comparison of current water right priorities with those from the 2005 season.

Bureau of Reclamation, Pacific Northwest Region

Major Storage Reservoirs in the Upper Snake River Basin

09/23/2024



PROVISIONAL DATA - Subject to change

Average daily streamflows indicated in cubic feet per second.

Reservoir levels current as of midnight on date indicated.

Click on gaging stations (red dots) for streamflow hydrographs.

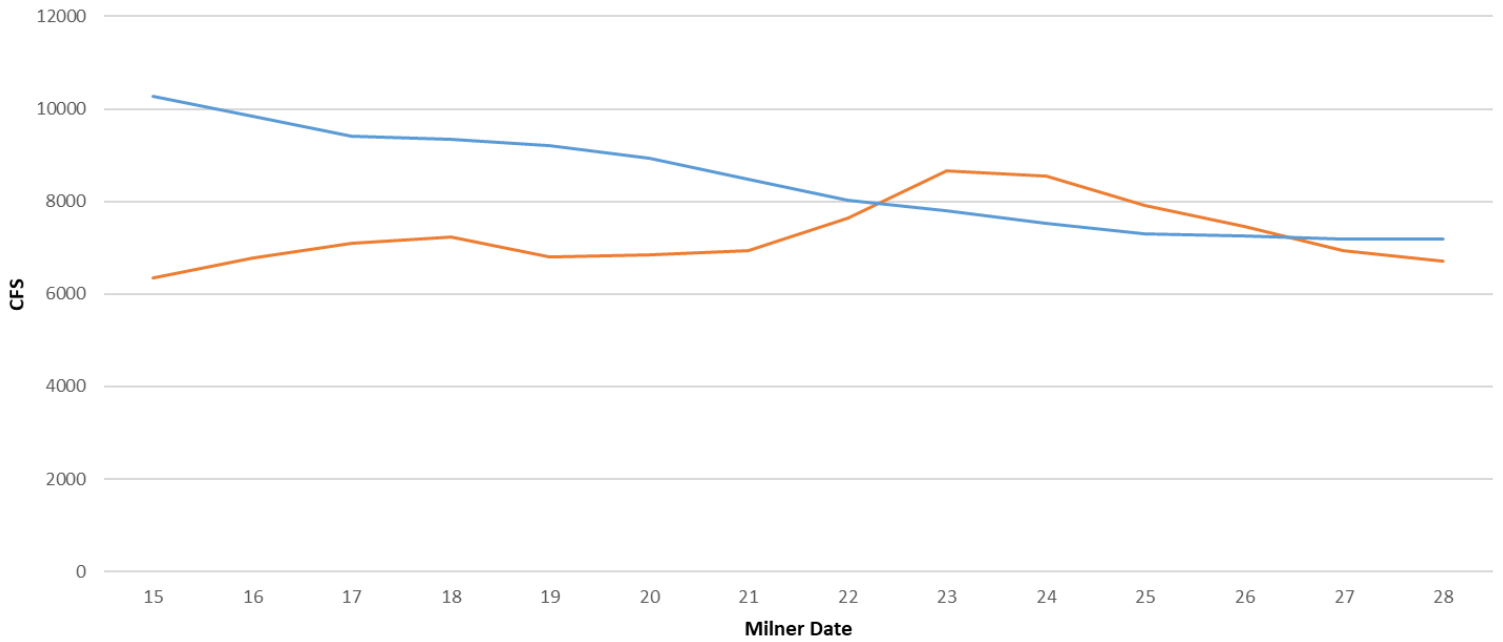
Upper Snake River system is at 44 % of capacity.

(Jackson Lake, Palisades, Grassy Lake, Island Park, Ririe, American Falls, Lake Walcott)

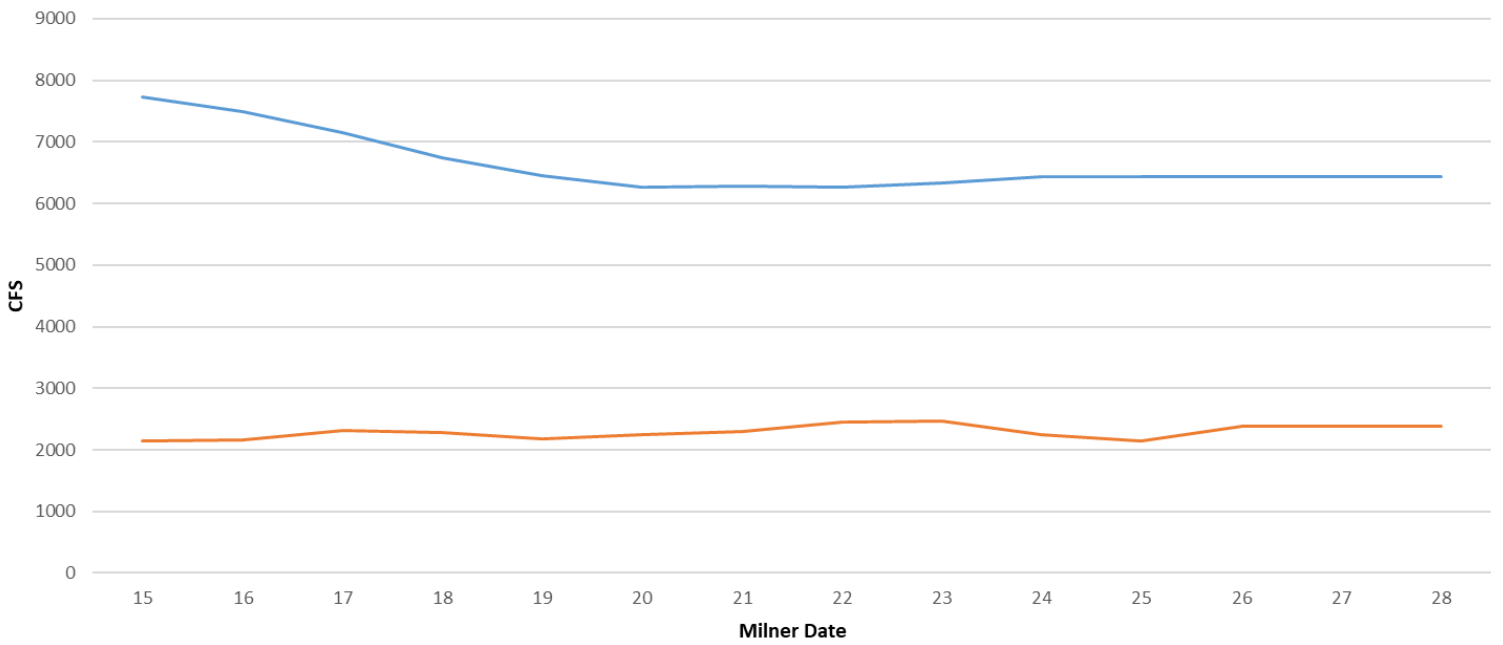
Total space available: 2282893 AF

Total storage capacity: 4045695 AF

Above Blackfoot Gains vs Above Blackfoot Diversions



Below Blackfoot Gains vs Below Blackfoot Diversions



Natural Flow and Priority Comparison

Preliminary Accounting

2024 Irrigation Season

2005 Irrigation Season

MILNER DATE	HEISE DATE	2024 Irrigation Season			2005 Irrigation Season		
		TOTAL NATURAL FLOW ABOVE BLACKFOOT CFS	SNAKE RIVER AT HEISE PARTIALLY FILLED PRIORITY YR-MO-DAY	REACH GAIN BLACKFOOT TO MILNER CFS	TOTAL NATURAL FLOW ABOVE BLACKFOOT CFS	SNAKE RIVER AT HEISE PARTIALLY FILLED PRIORITY YR-MO-DAY	REACH GAIN BLACKFOOT TO MILNER CFS
1-Sep	28-Aug	6373	7/10/1889	2164	6549	6/1/1889	2129
2-Sep	29-Aug	6273	6/1/1889	2097	6245	6/1/1889	2090
3-Sep	30-Aug	5946	6/1/1889	2360	6157	6/1/1889	2104
4-Sep	31-Aug	6102	6/1/1889	2252	6014	6/1/1889	2128
5-Sep	1-Sep	6027	7/10/1889	2346	5969	6/1/1889	2159
6-Sep	2-Sep	6036	7/10/1889	2384	6159	6/1/1889	2207
7-Sep	3-Sep	6114	7/10/1889	2291	6119	6/1/1889	2344
8-Sep	4-Sep	6170	6/1/1890	2241	6121	5/11/1889	2419
9-Sep	5-Sep	6348	6/1/1890	2250	5998	5/11/1889	2485
10-Sep	6-Sep	6369	6/1/1890	2017	6089	5/11/1889	2462
11-Sep	7-Sep	6208	7/10/1889	1967	6006	7/10/1889	2488
12-Sep	8-Sep	6216	7/10/1889	1884	6054	10/16/1890	2438
13-Sep	9-Sep	6161	7/10/1889	1941	6059	1/24/1891	2432
14-Sep	10-Sep	6137	7/10/1889	2034	6051	1/24/1891	2538
15-Sep	11-Sep	6274	6/1/1890	2129	6264	1/24/1891	2464
16-Sep	12-Sep	6701	10/16/1890	2154	6573	1/24/1891	2385
17-Sep	13-Sep	7089	4/28/1892	2312	6663	10/16/1890	2323
18-Sep	14-Sep	7223	8/18/1894	2285	6648	10/16/1890	2247
19-Sep	15-Sep	6807	12/14/1891	2185	6665	1/24/1891	2197
20-Sep	16-Sep	6842	4/28/1892	2250	6341	1/24/1891	2273
21-Sep	17-Sep	6932	2/6/1895	2303	6293	1/24/1891	2323
22-Sep	18-Sep	7643	3/26/1903	2452	6495	8/18/1894	2327
23-Sep	19-Sep	8662	10/7/1905	2475	6577	2/6/1895	2277
24-Sep	20-Sep	8549	* 10/7/1905 *		6526	2/6/1895	2272
25-Sep	21-Sep	7911	* 3/26/1903 *		6736	11/5/1895	2263
26-Sep	22-Sep	7448	* 3/26/1903 *		6948	3/26/1903	2330
27-Sep	23-Sep	6934	* 10/11/1900 *		6712	10/7/1905	2455
28-Sep	24-Sep	6703	* 7/9/1896 *		7156	3/26/1903	2494
29-Sep	25-Sep				7595	3/26/1903	2537
30-Sep	26-Sep		* Projected Data		7642	2/6/1895	2575
1-Oct	27-Sep				7262	2/6/1895	2560
2-Oct	28-Sep				6950	2/6/1895	2542
3-Oct	29-Sep				6464	3/26/1903	2561
4-Oct	30-Sep				6458	10/7/1905	2539
5-Oct	1-Oct				6237	8/23/1906	2716
6-Oct	2-Oct				6240	12/14/1909	2677
7-Oct	3-Oct				6500	12/14/1909	2758
8-Oct	4-Oct				7327	12/14/1909	2852
9-Oct	5-Oct				7757	12/14/1909	2812
10-Oct	6-Oct				7411	12/14/1909	2879
11-Oct	7-Oct				6934	12/14/1909	2962
12-Oct	8-Oct				6728	12/14/1909	2910
13-Oct	9-Oct				6444	3/29/1921	3121
14-Oct	10-Oct				6463	3/29/1921	3116
15-Oct	11-Oct				6380	3/29/1921	2962
16-Oct	12-Oct				6183	3/29/1921	2968

WATER DISTRICT 01 - WEEKLY WATER REPORT 09/24/2024

Reach Name	DIVERSION DATA PRIORITY DATES	Projected Priority Dates For Actual Date 09/25/2024
SNAKE ABV LORENZO	10/7/1905	7/9/1896
HENRYS FORK	10/7/1905	7/9/1896
FALLS RIVER	10/7/1905	7/9/1896
TETON RIVER	10/7/1905	7/9/1896
TETON LOWER N. FORK	10/7/1905	7/9/1896
SNAKE ABV BLCKFOOT	10/7/1905	7/9/1896
SNAKE BLW BLCKFOOT	10/7/1905	10/11/1900

Diversion Data

Actual Date	Site	Diversion	CFS DIVN	CFS STOR	AF USED	AF RMNG
Sep 18	13022450	WY STORAGE USE	0	0	0	0
Sep 19	13033010	PALISADES CANAL	9	0	821	732
Sep 19	13037505	ANDERSON CANAL (1A)	127	0	14072	26258
Sep 19	13037975	EAGLE ROCK CAN (1) (1B)	485	0	0	0
Sep 19	13037980	FARMERS FRIEND	145	0	6084	5382
Sep 19	13037985	ENTERPRISE CANAL	86	0	16874	12629
Sep 19	13038025	BUTLER ISLAND	26	0	119	126
Sep 19	13038030	ROSS AND RAND	0	0	109	51
Sep 19	13038055	HARRISON CANAL	179	0	21529	23086
Sep 19	13038085	RUDY CANAL	149	0	19653	5110
Sep 19	13038090	LOWDER SLOUGH CANAL	1	0	2322	492
Sep 19	13038098	KITE & NORD CANAL	5	0	96	203
Sep 19	13038110	BURGESS CANAL * (4A)	633	0	38092	12619
Sep 19	13038115	CLARK & EDWARDS * (5A)	61	0	158	672
Sep 19	13038145	CROFT DITCH	0	0	48	80
Sep 19	13038150	EAST LABELLE CANAL	65	0	278	596
Sep 19	13038180	RIGBY CANAL	99	0	2077	4110
Sep 19	13038204	DILTS LATERAL (3) (6B)	0	0	0	0
Sep 19	13038205	DILTS CANAL (6A)	0	0	2432	105
Sep 19	13038210	ISLAND CANAL (30A)	95	0	1339	3276
Sep 19	13038225	W. LABELLE & L.I. * (7A)	325	0	500	6024
Sep 19	13038305	PARKS & LEWISVILLE (36A)	192	0	3368	2031
Sep 19	13038315	NORTH RIGBY CANAL	35	0	425	753
Sep 19	13038340	WHITE DITCH (4) (7B)	2	0	0	0
Sep 19	13038360	BRAMWELL CANAL (8A)	0	0	0	0
Sep 19	13038362	ELLIS CANAL (5) (30B)	0	0	0	0
Sep 19	13038388	MATTSON-CRAIG CANAL	8	0	359	908
Sep 19	13038392	SUNNYDELL CANAL (29A)	51	0	7819	3077
Sep 19	13038426	LENROOT CANAL	43	0	8478	8168
Sep 19	13038431	REID CANAL	101	0	1672	5330
Sep 19	13038434	TEXAS & LIBERTY	134	0	5	4809
Sep 19	13038435	BANNOCK JIM SLOUGH	0	0	55	957
Sep 19	13038436	HILL PETTINGER	0	0	331	543
Sep 19	13038437	NELSON COREY CANAL	0	0	0	348
Sep 18	13046310	DEWEY CANAL	0	0	47	532
Sep 18	13047305	YELLOWSTONE CANAL	18	0	2113	1441
Sep 18	13047475	MARYSVILLE CANAL * (9A)	41	0	14586	5318
Sep 18	13047575	FARMERS OWN CANAL (11A)	0	0	1946	6128
Sep 18	13047681	CONANT CK CANAL (12A)	7	0	1690	732
Sep 18	13048475	ENTERPRISE CANAL	38	0	12136	11835
Sep 18	13048560	FALL RIVER CANAL (16A)	49	0	259	1836
Sep 18	13048705	CHESTER CANAL	14	0	656	646
Sep 18	13049010	SILKEY CANAL	7	0	452	-357
Sep 18	13049015	CURR CANAL	25	0	80	-41
Sep 18	13049550	LAST CHANCE CANAL	41	0	3766	7735
Sep 18	13049560	CROSSCUT TO TETN	52	0	862	-862
Sep 18	13049561	XCUT FALL R (6) (16B)	73	0	0	0
Sep 18	13049705	FARMERS FRIEND	45	0	3377	1482
Sep 18	13049710	TWIN GROVES CANAL	22	0	4052	108
Sep 18	13049725	ST ANTHY UNION (17A)	281	125	10376	10498
Sep 18	13049805	SALEM UNION CANAL	66	0	16536	12687
Sep 18	13050525	EGIN CANAL	174	0	473	9041
Sep 18	13050530	ST ANTHY UNION (7) (17B)	39	0	0	0
Sep 18	13050535	INDEPENDENT CANAL	95	0	4572	27701
Sep 18	13050545	CONSOLIDATED FRMRS	89	0	14811	7682
Sep 18	13054515	CANYON CREEK CANAL	0	0	0	0
Sep 18	13055030	WILFORD CANAL	27	0	197	3374

FOOTNOTES: (#) STORAGE DIVERSION COMBINED WITH (#A)

TOTAL DIVERSION AND STORAGE USE DOES NOT INCLUDE ADDITIONAL PUMP DIVERSIONS (NOT SHOWN) ADDED AT THE END OF THE YEAR

WATER DISTRICT 01 - WEEKLY WATER REPORT 09/24/2024

Actual Date	Site	Diversion	CFS DIVN	CFS STOR	AF USED	AF RMNG
Sep 18	13055040	TETON IRRIGATION (18A)	26	0	0	1508
Sep 18	13055050	PIONEER CANAL	0	0	15	127
Sep 18	13055060	STEWART CANAL	2	0	0	461
Sep 18	13055205	PINCOCK-BYINGTON	4	0	6	279
Sep 18	13055209	Teton Island RCHG Pit	0	0	0	0
Sep 18	13055210	TETON ISLND FEEDER (35A)	185	0	4110	4506
Sep 18	13055245	SALEM UNION B	0	0	0	0
Sep 18	13055275	ROXANA CANAL	1	0	2	826
Sep 18	13055280	ISLAND WARD CANAL	0	0	742	2377
Sep 18	13055295	SAUREY CANAL	22	0	59	101
Sep 18	13055315	WOODMANSEE-JOHNSON (19A)	0	0	363	823
Sep 18	13055323	CITY OF REXBURG (34A)	9	0	0	0
Sep 18	13055334	REXBURG IRRIGATION	53	0	642	3428
Sep 19	13057025	BUTTE & MARKET * (20A)	130	0	10474	39970
Sep 19	13057030	BEAR TRAP CANAL	0	0	597	827
Sep 19	13057125	OSGOOD CANAL	12	0	4547	6990
Sep 19	13057126	CLEMENTS CANAL	0	0	0	768
Sep 19	13057130	KENNEDY CANAL	0	0	15	525
Sep 19	13057135	GREAT WESTERN (21A)	221	0	21979	58136
Sep 19	13057145	IDAHO CANAL (33A)	452	0	2080	81757
Sep 19	13057250	PORTER CANAL (9) (21B)	124	0	0	0
Sep 19	13058125	FERGUSON CANAL	0	0	0	0
Sep 19	13058290	ORVAL AVERY CNL	4	0	0	0
Sep 19	13058310	ROY AVERY CANAL	0	0	0	0
Sep 19	13058370	R COOPER SAND CR	0	0	0	0
Sep 19	13058380	R COOPER WLLW CK	1	0	0	0
Sep 19	13058510	PROGRESSIVE SAND	239	0	0	0
Sep 19	13058514	W & O COOPER	0	0	0	0
Sep 19	13058515	IDAHO FR SAND CK	0	0	0	0
Sep 19	13058530	PROGRESSIVE WILL	48	0	2102	-2102
Sep 19	13059505	WOODVILLE CANAL (22A)	41	0	7825	7044
Sep 19	13059520	WOODVILLE SIPHON (22B)	10	0	0	0
Sep 19	13059525	SNAKE RIVER VLLY * (23A)	274	0	31192	53132
Sep 20	13060500	RESERVATION CANAL	0	0	38860	-38860
Sep 20	13060501	X RESERVATION	190	0	274	-274
Sep 20	13061430	BLACKFOOT CANAL	163	0	4415	18696
Sep 20	13061520	NEW LAVA SIDE * (24A)	55	0	453	10775
Sep 20	13061525	PEOPLES CANAL * (25A)	147	0	30357	42217
Sep 20	13061610	ABERDEEN CANAL	676	0	145313	112721
Sep 20	13061650	CORBETT CANAL	82	0	36	10612
Sep 20	13061670	NIELSON-HANSEN	0	0	0	0
Sep 20	13061705	RIVERSIDE CANAL * (26A)	72	0	907	678
Sep 20	13061995	DANSKIN CANAL	105	0	14	1899
Sep 20	13062050	TREGO CANAL	36	0	1896	3262
Sep 20	13062051	JENSEN GROVE	0	0	0	525
Sep 20	13062503	WEARYRICK CANAL	19	0	45	395
Sep 20	13062506	WATSON CANAL	80	0	12	1957
Sep 20	13062507	PARSONS CANAL	23	0	3	873
Sep 21	13069569	J RANDALL	0	0	0	100
Sep 21	13075800	PORTNEUF RENTAL	0	0	0	0
Sep 21	13075900	FT HALL MICHAUD	126	126	24841	103678
Sep 21	13076400	FALLS IRRIG PUMP	17	17	15759	46938
Sep 22	13080000	MINIDOKA NSIDE * (27A)	379	0	290930	51342
Sep 22	13080500	MINIDOKA SSIDE (10) (27B)	350	0	0	227698
Sep 23	13085500	A & B IRRIGATION	85	85	38001	96935
Sep 23	13085800	PA LATRL PUMP (11) (28B)	14	0	0	0
Sep 23	13086000	MILNER IRRIGATION	100	65	38918	51287
Sep 23	13086520	NSIDE XCT GDNG (11) (28E)	2	0	0	0
Sep 23	13086530	RES DIST #2 CANAL	1149	1149	266391	124903
Sep 23	13087000	N SIDE TWIN FALLS (28A)	1859	998	500748	348130
Sep 23	13087500	TWIN FALLS S SIDE	2199	0	243493	-5583

FOOTNOTES: (#) STORAGE DIVERSION COMBINED WITH (#A)

TOTAL DIVERSION AND STORAGE USE DOES NOT INCLUDE ADDITIONAL PUMP DIVERSIONS (NOT SHOWN) ADDED AT THE END OF THE YEAR