

TABLE 2. 2003 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL
13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0
13201990	FISH & GAME FLOW	0.0	0.0	50000.0	0.0	0.0	50000.0
13201991	USBR FLOW	0.0	0.0	82718.8	0.0	0.0	82718.8
13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0
13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0
13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0
13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0
13204060	ROSSI MILL	0.0	0.0	700.0	0.0	0.0	700.0
13204190	BOISE CITY	0.0	0.0	1000.0	0.0	0.0	1000.0
13204200	UNITED WATER	0.0	1000.0	800.0	0.0	0.0	1800.0
13205515	SETTLERS	2668.0	5675.0	10000.0	0.0	0.0	18343.0
13205517	DAVIS	0.0	0.0	1500.0	0.0	0.0	1500.0
13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0
13205640	FARMERS UNION	2779.0	5593.0	10000.0	0.0	0.0	18372.0
13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0
13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0
13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0
13206092	NEW UNION	0.0	0.0	1400.0	0.0	0.0	1400.0
13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0
13208710	MIDDLETON	0.0	0.0	11000.0	0.0	0.0	11000.0
13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0
13209482	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0
13209630	LITTLE PIONEER	0.0	2123.0	500.0	0.0	0.0	2623.0
13209990	CANYON COUNTY	0.0	0.0	6000.0	0.0	0.0	6000.0
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0
99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0
99999080	ANDSN UNCONTRACTED	0.0	696.4	0.0	36259.6	0.0	36956.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	60633.2	60633.2
99999100	EAGLE IS CANALS	0.0	0.0	1718.0	0.0	0.0	1718.0
	TOTAL	272224.0	413770.4	203736.8	36259.6	60633.2	986624.0

500 AF Transferred from Bubb to United Water
 300 AF transferred from Capital View to United Water

Pace, Pamela

From: Campbell, Mike D [MikeCampbell@idahopower.com]
Sent: Friday, June 13, 2003 1:20 PM
To: Jim Doty (E-mail); Jennifer Coleman (E-mail); Pam Pace (E-mail); Bill Ondrechen (E-mail);
Water Management
Subject: Measurement Updates

Measurements were made today at Boise River nr Middleton and Squaw Creek near Sweet. Here is the info:

Squaw Creek: Q 532 cfs, GH 3.33, Shift .05
Boise nr Middleton: Q 456, GH 1.58, Shift -.36

Mike

Mike Campbell
Water Management Department
Idaho Power Company
(208) 388-2473
(208)388-6495 (FAX)

"IPCo Mail Relay 2" made the following annotations on 06/13/2003 01:15:17 PM

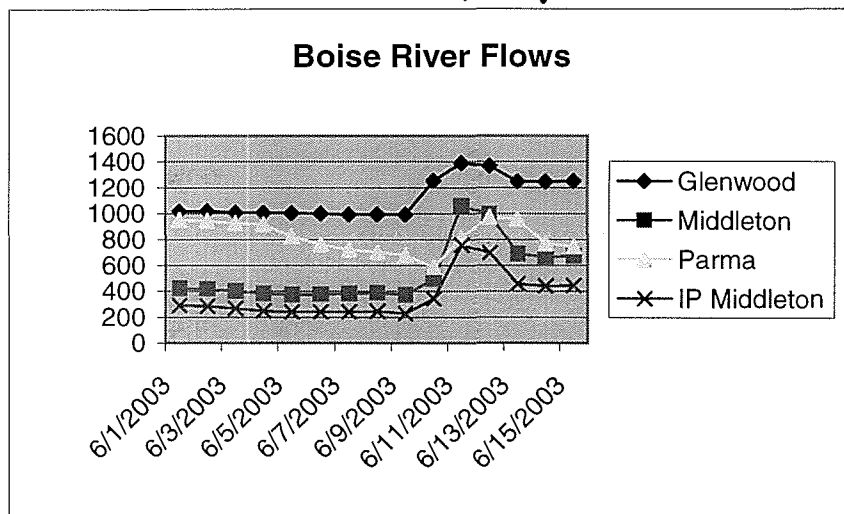
[INFO] -- Access Manager:

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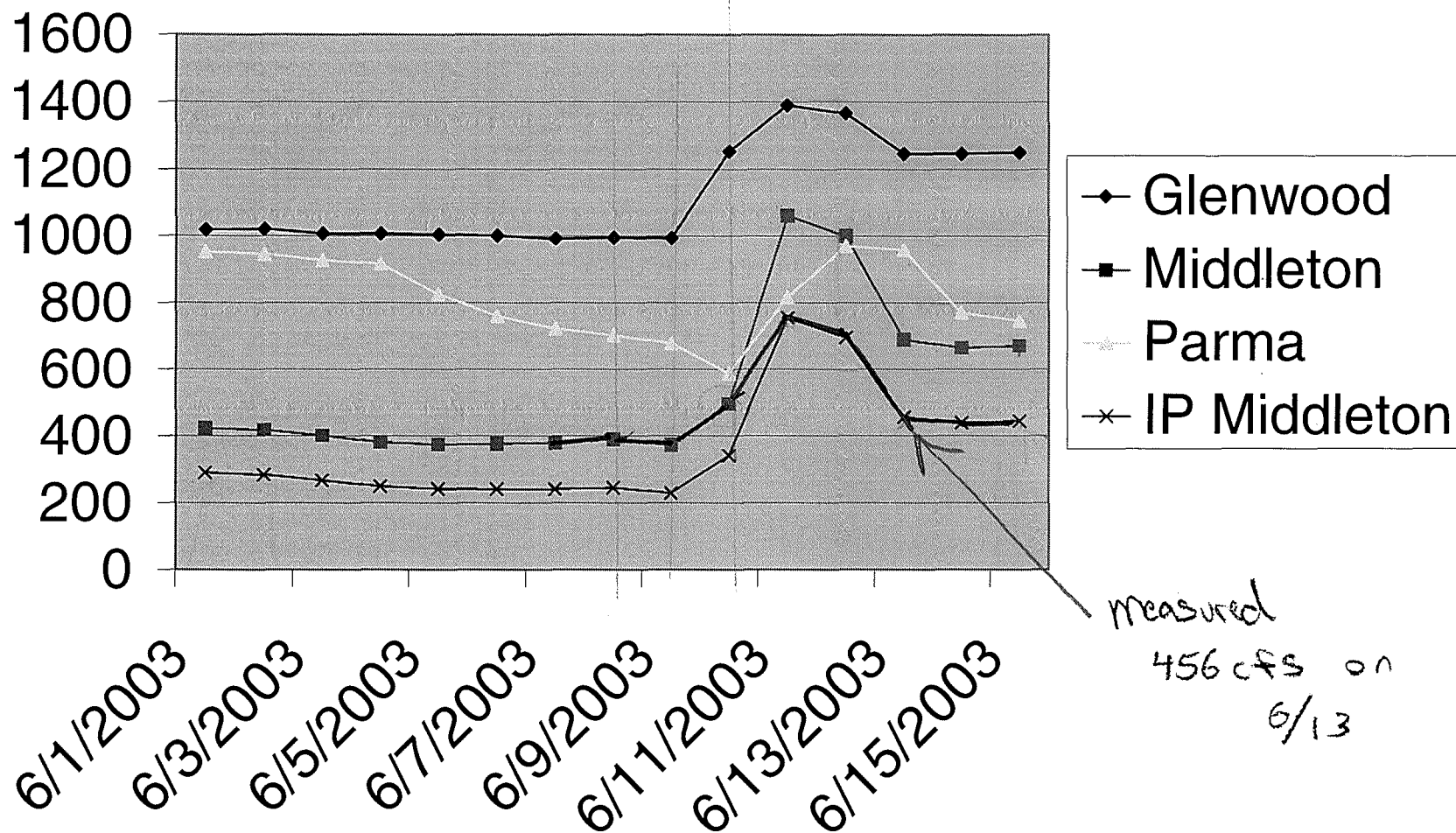
	Glenwood	Middleton	IP Middleton	Parma
1-Jun	1018	423	290	952
2-Jun	1020	419	284	945
3-Jun	1007	401	267	927
4-Jun	1007	381	249	917
5-Jun	1004	374	242	826
6-Jun	1001	376	241	760
7-Jun	992	380	241	722
8-Jun	995	389	245	702
9-Jun	993	372	229	678
10-Jun	1253	495	341	587
11-Jun	1390	1060	756	816
12-Jun	1367	999	695	970
13-Jun	1246	689	457	958
14-Jun	1246	665	440	770
15-Jun	1250	671	445	746

Data used
in accounting



16 Jun 1244 567
17 Jun 1259 427

Boise River Flows



June 10, 11, 12 +500 for flood
 June 13 +250 for Salmon

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date: 12-Jun-03

Supply:

Accounted for storage	924807.1
Unaccounted for storage	27677.7
Late season fill	
Total Storage Available	952484.8

Use:

Canals and pumps	269.6
Stored flow passing Middleton	
Endangered species	678.4
Flood Release	21729.2
Operational Flow	
Operational Loss	
Gage Error	
Total Passing Middleton (93833.6-23785-47641)	22407.6
Evaporation	4765.9
Fish and Game	
USBR Streamflow	
Total Storage Used	27443.1

Net Storage	925041.7
Actual Storage (888,982+39,960)	928942.0
Averaging Error	(3900.3)

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date:

12-Jun-03 (Restart)

Supply:

Accounted for storage	924807.1
Unaccounted for storage	2724.0
Late season fill	
Total Storage Available	927531.1

Use:

Canals and pumps	0.0
Stored flow passing Middleton	
Endangered species	678.4
Flood Release	
Operational Flow	
Operational Loss	
Gage Error	
Total Passing Middleton	678.4
Evaporation	1811.0
Fish and Game	
USBR Streamflow	
Total Storage Used	2489.4
 Net Storage	 925041.7
Actual Storage	(888,982+39,960) 928942.0
Averaging Error	(3900.3)

Unaccounted for storage is flood control water without a right. This is added to Anderson Ranch for the restart. Evaporation in Lucky Peak and Arrowrock and use by canals is set to zero due to flood release and full reservoirs. Endangered species release started June 12.

Boisv5.IVD For June 13 restock

1811.0	0.0	0.0	0.0	0.0
0.0	678.4	0.0	0.0	0.0
260624.0	11600.0	390937.1	203736.8	60633.2

20030701

TABLE 1. 2003 BOISE RIVER STORED WATER BY RESERVOIR
(ACRE-FEET)

RESERVOIR	SPACE	FILL	EVAPORATION	YIELD
ARROWROCK	272224.0	272224.0	4000.0	268224.0
ANDERSON RANCH	413770.4	413291.7	4000.0	409291.7
LUCKY PEAK	203736.8	203736.8	2000.0	201736.8
ANDERSON LST FIL	36259.6	0.0	0.0	0.0
LUCKY PEAK LST FIL	60633.2	60633.2	1000.0	59633.2
TOTAL	986624.0	949885.7	11000.0	938885.7

TABLE 2. 2003 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL
13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0
13201990	FISH & GAME FLOW	0.0	0.0	50000.0	0.0	0.0	50000.0
13201991	USBR FLOW	0.0	0.0	82718.8	0.0	0.0	82718.8
13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0
13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0
13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0
13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0
13204060	ROSSI MILL	0.0	0.0	700.0	0.0	0.0	700.0
13204190	BOISE CITY	0.0	0.0	1000.0	0.0	0.0	1000.0
13204200	UNITED WATER	0.0	1000.0	800.0	0.0	0.0	1800.0
13205515	SETTLERS	2668.0	5675.0	10000.0	0.0	0.0	18343.0
13205517	DAVIS	0.0	0.0	1500.0	0.0	0.0	1500.0
13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0
13205640	FARMERS UNION	2779.0	5593.0	10000.0	0.0	0.0	18372.0
13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0
13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0
13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0
13206092	NEW UNION	0.0	0.0	1400.0	0.0	0.0	1400.0
13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0
13208710	MIDDLETON	0.0	0.0	11000.0	0.0	0.0	11000.0
13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0
13209482	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0
13209630	LITTLE PIONEER	0.0	2123.0	500.0	0.0	0.0	2623.0
13209990	CANYON COUNTY	0.0	0.0	6000.0	0.0	0.0	6000.0
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0
99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0
99999080	ANDSN UNCONTRACTED	0.0	696.4	0.0	36259.6	0.0	36956.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	60633.2	60633.2
99999100	EAGLE IS CANALS	0.0	0.0	1718.0	0.0	0.0	1718.0
	TOTAL	272224.0	413770.4	203736.8	36259.6	60633.2	986624.0

TABLE 3. 2003 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	ARROWROCK *-----ANDERSON RANCH-----*			*-----LUCKY PEAK-----*		
		STORAGE	CARRYOVER	NEW FLL STORAGE	CARRYOVER	NEW FILL	STORAGE
13189600	TRINITY SPRINGS	0.0	775.2	24.8	800.0	0.0	0.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	0.0
13201990	FISH & GAME FLOW	0.0	0.0	0.0	0.0	37816.2	12183.8
13201991	USBR FLOW	0.0	0.0	0.0	0.0	75939.0	6779.8
13203000	NEW YORK	241321.0	61727.4	289826.6	351554.0	0.0	0.0
13203527	SURPRIS VY/MICRON	0.0	2907.1	92.9	3000.0	0.0	0.0
13203760	RIDENBAUGH	3794.0	0.0	14654.7	14654.7	0.0	0.0
13204005	BUBB	0.0	14.6	516.4	531.0	0.0	0.0
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	676.2	23.8
13204190	BOISE CITY	0.0	0.0	0.0	0.0	881.5	118.5
13204200	UNITED WATER	0.0	984.7	15.3	1000.0	0.0	800.0
13205515	SETTLERS	2668.0	0.0	5625.0	5625.0	6219.9	3780.1
13205517	DAVIS	0.0	0.0	0.0	0.0	861.2	638.8
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	772.8	27.2
13205640	FARMERS UNION	2779.0	0.0	5543.7	5543.7	4032.0	5968.0
13205641	BOISE VALLEY	0.0	0.0	930.7	930.7	1122.5	1377.5
13205643	CAPITOL VIEW	0.0	72.4	376.6	449.0	0.0	0.0
13206090	NEW DRY CREEK	0.0	0.0	1254.8	1254.8	1447.2	1552.8
13206092	NEW UNION	0.0	0.0	0.0	0.0	962.8	437.2
13206265	BALLENTYNE	0.0	0.0	363.8	363.8	979.7	320.3
13208710	MIDDLETON	0.0	0.0	0.0	0.0	6557.6	4442.4
13209480	PHYLLIS	20326.0	0.0	24765.7	24765.7	6104.8	9895.2
13209482	EUREKA #1	0.0	0.0	0.0	0.0	1031.6	1768.4
13209630	LITTLE PIONEER	0.0	1997.7	125.3	2123.0	490.8	9.2
13209990	CANYON COUNTY	0.0	0.0	0.0	0.0	4159.2	1840.8
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	0.0
99999050	ANDERSON DAM POWER	0.0	5.9	0.1	6.0	0.0	0.0
99999080	ANDSN UNCONTRACTED	0.0	0.0	690.3	690.3	0.0	0.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0
99999100	EAGLE IS CANALS	0.0	0.0	0.0	0.0	1404.2	313.8
TOTAL		272224.0	68485.0	344806.7	413291.7	151459.2	52277.6
				203736.8			

TABLE 3 (CONTINUED). 2003 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	*ANDERSON RANCH LAST FILL * CARRYOVER NEW FILL STORAGE	*-- LUCKY PEAK LAST FILL --* CARRYOVER NEW FILL STORAGE	*----- TOTAL -----* CARRYOVER NEW FILL STORAGE
13189600	TRINITY SPRINGS	0.0 0.0 0.0	0.0 0.0 0.0	775.2 24.8 800.0
13201050	LUCKY PEAK NURSERY	0.0 0.0 0.0	0.0 0.0 0.0	0.0 190.0 190.0
13201990	FISH & GAME FLOW	0.0 0.0 0.0	0.0 0.0 0.0	37816.2 12183.8 50000.0
13201991	USBR FLOW	0.0 0.0 0.0	0.0 0.0 0.0	75939.0 6779.8 82718.8
13203000	NEW YORK	0.0 0.0 0.0	0.0 0.0 0.0	61727.4 531147.6 592875.0
13203527	SURPRIS VY/MICRON	0.0 0.0 0.0	0.0 0.0 0.0	2907.1 92.9 3000.0
13203760	RIDENBAUGH	0.0 0.0 0.0	0.0 0.0 0.0	0.0 18448.7 18448.7
13204005	BUBB	0.0 0.0 0.0	0.0 0.0 0.0	14.6 516.4 531.0
13204060	ROSSI MILL	0.0 0.0 0.0	0.0 0.0 0.0	676.2 23.8 700.0
13204190	BOISE CITY	0.0 0.0 0.0	0.0 0.0 0.0	881.5 118.5 1000.0
13204200	UNITED WATER	0.0 0.0 0.0	0.0 0.0 0.0	984.7 815.3 1800.0
13205515	SETTLERS	0.0 0.0 0.0	0.0 0.0 0.0	6219.9 12073.1 18293.0
13205517	DAVIS	0.0 0.0 0.0	0.0 0.0 0.0	861.2 638.8 1500.0
13205622	THURMAN MILL	0.0 0.0 0.0	0.0 0.0 0.0	772.8 27.2 800.0
13205640	FARMERS UNION	0.0 0.0 0.0	0.0 0.0 0.0	4032.0 14290.7 18322.7
13205641	BOISE VALLEY	0.0 0.0 0.0	0.0 0.0 0.0	1122.5 2308.2 3430.7
13205643	CAPITOL VIEW	0.0 0.0 0.0	0.0 0.0 0.0	72.4 376.6 449.0
13206090	NEW DRY CREEK	0.0 0.0 0.0	0.0 0.0 0.0	1447.2 2807.6 4254.8
13206092	NEW UNION	0.0 0.0 0.0	0.0 0.0 0.0	962.8 437.2 1400.0
13206265	BALLENTYNE	0.0 0.0 0.0	0.0 0.0 0.0	979.7 684.1 1663.8
13208710	MIDDLETON	0.0 0.0 0.0	0.0 0.0 0.0	6557.6 4442.4 11000.0
13209480	PHYLLIS	0.0 0.0 0.0	0.0 0.0 0.0	6104.8 54986.9 61091.7
13209482	EUREKA #1	0.0 0.0 0.0	0.0 0.0 0.0	1031.6 1768.4 2800.0
13209630	LITTLE PIONEER	0.0 0.0 0.0	0.0 0.0 0.0	2488.5 134.5 2623.0
13209990	CANYON COUNTY	0.0 0.0 0.0	0.0 0.0 0.0	4159.2 1840.8 6000.0
13210992	SEBREE	0.0 0.0 0.0	0.0 0.0 0.0	0.0 1146.0 1146.0
99999050	ANDERSON DAM POWER	0.0 0.0 0.0	0.0 0.0 0.0	5.9 0.1 6.0
99999080	ANDSN UNCONTRACTED	0.0 0.0 0.0	0.0 0.0 0.0	0.0 690.3 690.3
99999090	USBR UNCONTRACTED	0.0 0.0 0.0	0.0 60633.2 60633.2	0.0 60633.2 60633.2
99999100	EAGLE IS CANALS	0.0 0.0 0.0	0.0 0.0 0.0	1404.2 313.8 1718.0
TOTAL		0.0 0.0 0.0	0.0 60633.2 60633.2	219944.2 729941.4 949885.7

20030701

TABLE 4. 2003 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL AFTER LOSS
13189600	TRINITY SPRINGS	0.0	792.3	0.0	792.3	0.0	0.0	792.3 779.6
13201050	LUCKY PEAK NURSERY	187.2	0.0	0.0	187.2	0.0	0.0	187.2 184.2
13201990	FISH & GAME FLOW	0.0	0.0	49509.2	49509.2	0.0	0.0	49509.2 49509.2
13201991	USBR FLOW	0.0	0.0	81906.8	81906.8	0.0	0.0	81906.8 81906.8
13203000	NEW YORK	237775.1	348151.5	0.0	585926.6	0.0	0.0	585926.6 576588.1
13203527	SURPRIS VY/MICRON	0.0	2971.0	0.0	2971.0	0.0	0.0	2971.0 2923.6
13203760	RIDENBAUGH	3738.3	14512.8	0.0	18251.1	0.0	0.0	18251.1 17960.2
13204005	BUBB	0.0	525.9	0.0	525.9	0.0	0.0	525.9 517.5
13204060	ROSSI MILL	0.0	0.0	693.1	693.1	0.0	0.0	693.1 682.1
13204190	BOISE CITY	0.0	0.0	990.2	990.2	0.0	0.0	990.2 974.4
13204200	UNITED WATER	0.0	990.3	792.1	1782.5	0.0	0.0	1782.5 1754.1
13205515	SETTLERS	2628.8	5570.5	9901.8	18101.2	0.0	0.0	18101.2 17812.7
13205517	DAVIS	0.0	0.0	1485.3	1485.3	0.0	0.0	1485.3 1461.6
13205622	THURMAN MILL	0.0	0.0	792.1	792.1	0.0	0.0	792.1 779.5
13205640	FARMERS UNION	2738.2	5490.0	9901.8	18130.0	0.0	0.0	18130.0 17841.1
13205641	BOISE VALLEY	0.0	921.7	2475.5	3397.2	0.0	0.0	3397.2 3343.0
13205643	CAPITOL VIEW	0.0	444.7	0.0	444.7	0.0	0.0	444.7 437.6
13206090	NEW DRY CREEK	0.0	1242.7	2970.6	4213.2	0.0	0.0	4213.2 4146.1
13206092	NEW UNION	0.0	0.0	1386.3	1386.3	0.0	0.0	1386.3 1364.2
13206265	BALLENTYNE	0.0	360.2	1287.2	1647.5	0.0	0.0	1647.5 1621.2
13208710	MIDDLETON	0.0	0.0	10892.0	10892.0	0.0	0.0	10892.0 10718.4
13209480	PHYLLIS	20027.3	24526.1	15842.9	60396.3	0.0	0.0	60396.3 59433.7
13209482	EUREKA #1	0.0	0.0	2772.5	2772.5	0.0	0.0	2772.5 2728.3
13209630	LITTLE PIONEER	0.0	2102.5	495.1	2597.5	0.0	0.0	2597.5 2556.1
13209990	CANYON COUNTY	0.0	0.0	5941.1	5941.1	0.0	0.0	5941.1 5846.4
13210992	SEBREE	1129.2	0.0	0.0	1129.2	0.0	0.0	1129.2 1111.2
99999050	ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9 5.9
99999080	ANDSN UNCONTRACTED	0.0	683.6	0.0	683.6	0.0	0.0	683.6 683.6
99999090	USBR UNCONTRACTED	0.0	0.0	59633.2	59633.2	0.0	0.0	59633.2 58682.8
99999100	EAGLE IS CANALS	0.0	0.0	1701.1	1701.1	0.0	0.0	1701.1 1674.0
	<i>Rental Pool</i>							
	TOTAL	268224.0	409291.7	322003.2	938885.7	0.0	0.0	938885.7 926027.3

agument NY
provide lake land
to wildlife habitat

Endorsed

40,932 Lucky Peak Uncontracted
not rest USBR In-stream
go into United Water

2003 Boise River Flow Augmentation for USBR

Date	Stored Flow Middleton CFS	United Water CFS	Total CFS	Date	Stored Flow Middleton CFS	United Water CFS	Total CFS
11-Jun-02	105	11	116	30-Jul-02			
12-Jun-02	342	11	353	31-Jul-02			
13-Jun-02	207	11	218	1-Aug-02			
14-Jun-02	190	11	201	2-Aug-02			
15-Jun-02	195	11	206	3-Aug-02			
16-Jun-02	191	11	202	4-Aug-02			
17-Jun-02	177	11	188	5-Aug-02			
18-Jun-02	236	11	247	6-Aug-02			
19-Jun-02	286	11	297	7-Aug-02			
20-Jun-02	308	11	319	8-Aug-02			
21-Jun-02	320	11	331	9-Aug-02			
22-Jun-02	339	11	350	10-Aug-02			
23-Jun-02	356	11	367	11-Aug-02			
24-Jun-02	329	11	340	12-Aug-02			
25-Jun-02	321	11	332	13-Aug-02			
26-Jun-02	325	11	336	14-Aug-02			
27-Jun-02	311	11	322	15-Aug-02			
28-Jun-02	297	11	308	16-Aug-02			
29-Jun-02	302	11	313	17-Aug-02			
30-Jun-02	319	11	330	18-Aug-02			
1-Jul-02	285	11	296	19-Aug-02			
2-Jul-02	298	11	309	20-Aug-02			
3-Jul-02	318	11	329	21-Aug-02			
4-Jul-02	328	11	339	22-Aug-02			
5-Jul-02	340	11	351	23-Aug-02			
6-Jul-02	362	11	373	24-Aug-02			
7-Jul-02	365	11	376	25-Aug-02			
8-Jul-02				26-Aug-02			
9-Jul-02				27-Aug-02			
10-Jul-02				28-Aug-02			
11-Jul-02				29-Aug-02			
12-Jul-02				30-Aug-02			
13-Jul-02				31-Aug-02			
14-Jul-02				1-Sep-02			
15-Jul-02				2-Sep-02			
16-Jul-02				3-Sep-02			
17-Jul-02				4-Sep-02			
18-Jul-02				5-Sep-02			
19-Jul-02				6-Sep-02			
20-Jul-02				7-Sep-02			
21-Jul-02				8-Sep-02			
22-Jul-02				9-Sep-02			
23-Jul-02				10-Sep-02			
24-Jul-02				11-Sep-02			
25-Jul-02				12-Sep-02			
26-Jul-02				13-Sep-02			
27-Jul-02							
28-Jul-02							
				Total (CFS)		297	8,049

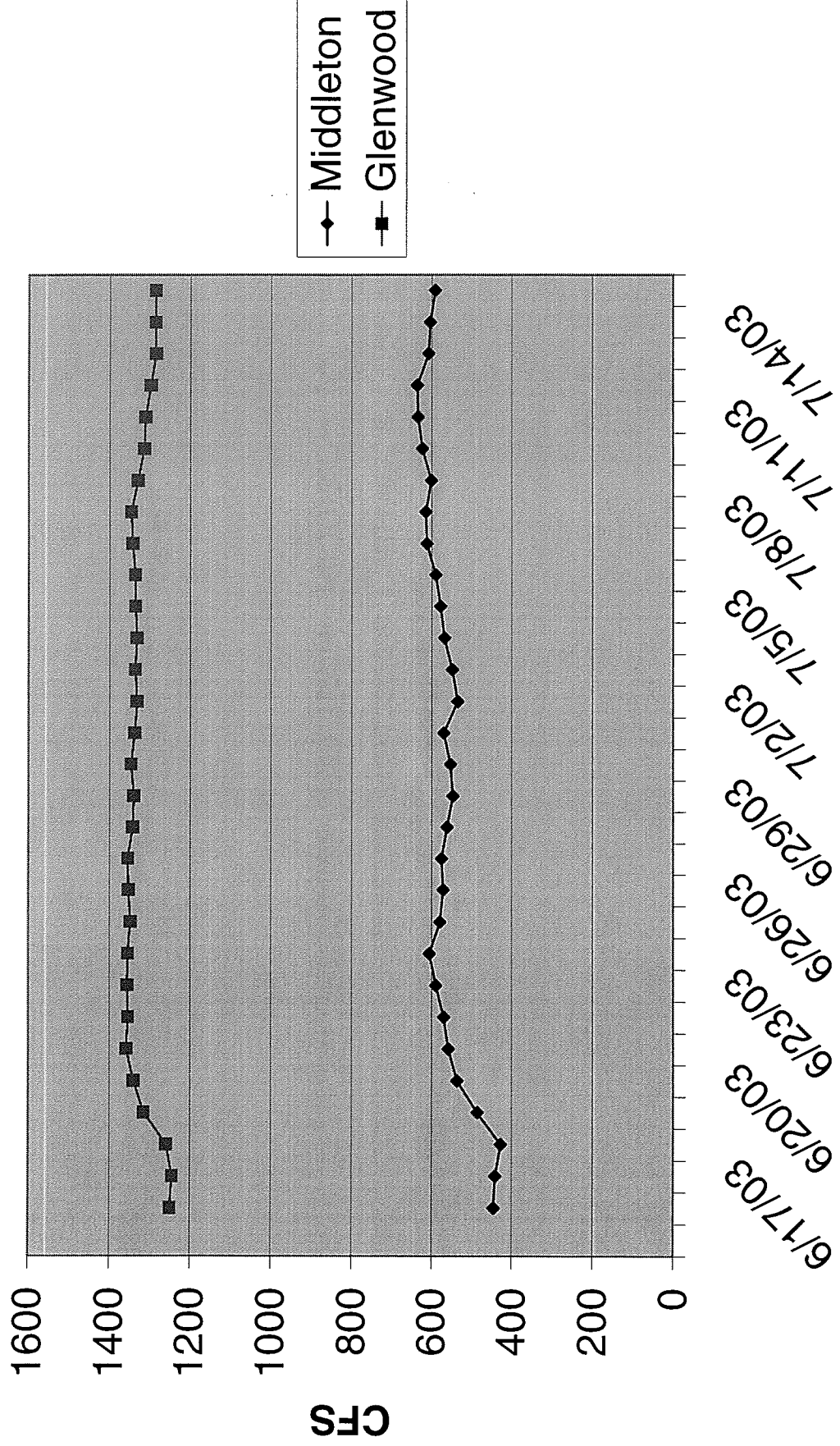
20030714

13210050 BOISE RIVER NEAR MIDDLETON
 STORED FLOW, CUBIC FEET/SECOND , IRRIGATION YEAR NOVEMBER 2002 TO OCTOBER 2003

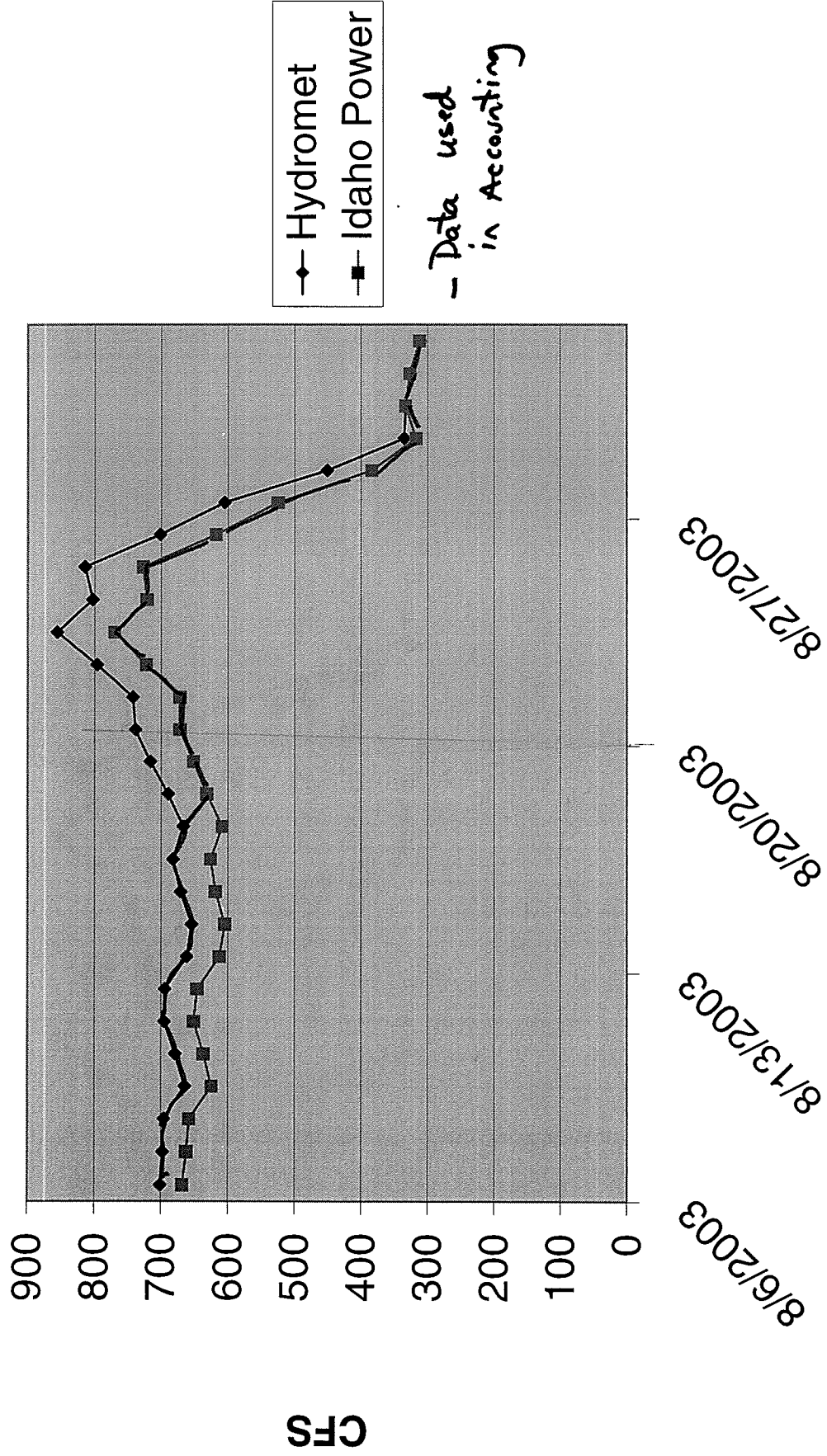
DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	241	241	226	174	272	204	161	-2313	285	---	---	---
2	241	242	222	241	273	195	136	-2459	298	---	---	---
3	241	241	221	175	247	192	147	-1998	318	---	---	---
4	241	242	220	242	219	183	256	-1461	328	---	---	---
5	242	242	220	242	215	188	277	-1073	340	---	---	---
6	241	242	220	240	216	181	253	-972	362	---	---	---
7	240	243	219	242	22	42	226	-1064	365	---	---	---
8	241	243	218	241	8.4	167	216	-1036	---	---	---	---
9	241	241	219	241	211	273	213	-1085	---	---	---	---
10	241	244	218	242	243	262	191	-494	---	---	---	---
11	240	241	217	240	240	323	227	105	---	---	---	---
12	238	241	217	273	241	356	236	342	---	---	---	---
13	238	240	219	281	241	321	173	207	---	---	---	---
14	241	241	223	280	240	328	137	190	---	---	---	---
15	241	241	219	280	240	398	108	195	---	---	---	---
16	245	242	217	281	240	400	77	191	---	---	---	---
17	249	242	217	281	241	338	157	177	---	---	---	---
18	249	227	242	283	240	376	145	236	---	---	---	---
19	243	219	241	283	240	330	144	286	---	---	---	---
20	241	217	240	283	239	218	132	308	---	---	---	---
21	241	220	242	281	107	161	121	320	---	---	---	---
22	241	221	242	283	239	71	114	339	---	---	---	---
23	240	218	240	283	224	119	132	356	---	---	---	---
24	238	217	241	280	241	137	101	329	---	---	---	---
25	241	216	242	276	210	98	95	321	---	---	---	---
26	241	220	242	275	234	90	108	325	---	---	---	---
27	240	223	242	274	243	98	111	311	---	---	---	---
28	241	218	241	273	226	119	117	297	---	---	---	---
29	242	234	241	---	230	63	95	302	---	---	---	---
30	241	241	241	---	226	92	156	319	---	---	---	---
31	---	239	242	---	228	---	184	---	---	---	---	---
TOTAL	7242	7239	7110	7266	6736	6322	4946	-8499	2295			
MEAN	241	234	229	260	217	211	160	-283	328			
MAX	249	244	242	283	273	400	277	356	365			
MIN	238	216	217	174	8.4	42	77	-2459	285			
AC-FT	14364	14358	14102	14413	13360	12540	9810	-16857	4552			

IRRIGATION YEAR 2003 TOTAL 40656 MEAN 111 AC-FT 80641

Boise River Mean Daily Flow

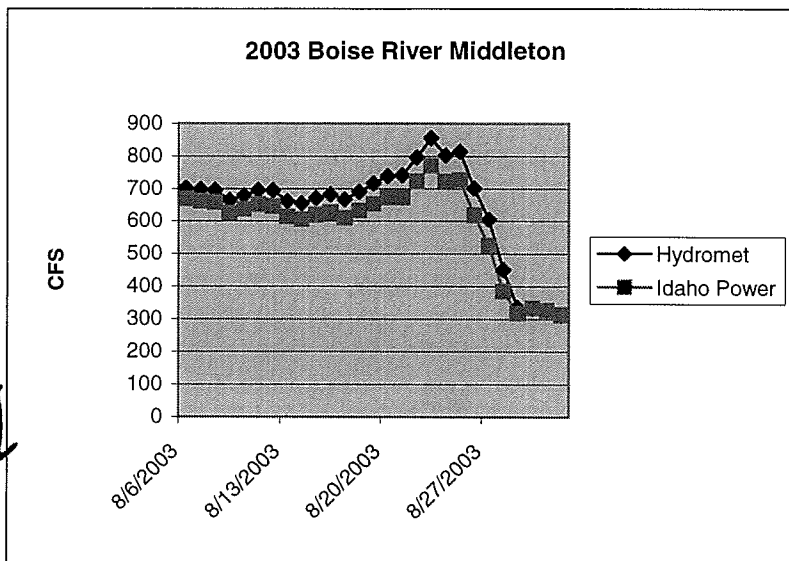


2003 Boise River Middleton



Boise River at Middleton (CFS)

	Hydromet	Idaho Power
08/01/03	630	610
08/02/03	647.9	628
08/03/03	677.3	652
08/04/03	674.4	646
08/05/03	676	648
08/06/03	701.2	668
08/07/03	697.5	662
08/08/03	695.8	658
08/09/03	664.3	625
08/10/03	678.8	637
08/11/03	695.1	651
08/12/03	694.3	646
08/13/03	661.6	613
08/14/03	654.4	605
08/15/03	670.6	619
08/16/03	681.8	626
08/17/03	666.9	609
25 Accounting 08/18/03	689.4	632
08/19/03	716.2	652
08/20/03	738.7	672
08/21/03	742.1	672
08/22/03	796.3	722
08/23/03	856.3	770
08/24/03	802.7	721
08/25/03	814.3	727
08/26/03	701.4	618
08/27/03	605.3	525
08/28/03	450.8	384
08/29/03	334.8	317
08/30/03	332.4	333
08/31/03	325.8	326
09/01/03	311.6	312



2003 Boise River Flow Augmentation for USBR

Date	Stored Flow Middleton CFS	United Water CFS	Total CFS	Date	Stored Flow Middleton CFS	United Water CFS	Total CFS
11-Jun-02	105	11	116	30-Jul-02	406	11	417
12-Jun-02	342	11	353	31-Jul-02	419	11	430
13-Jun-02	207	11	218	1-Aug-02	380	11	391
14-Jun-02	190	11	201	2-Aug-02	398	11	409
15-Jun-02	195	11	206	3-Aug-02	427	11	438
16-Jun-02	191	11	202	4-Aug-02	424	11	435
17-Jun-02	177	11	188	5-Aug-02	426	11	437
18-Jun-02	236	11	247	6-Aug-02	451	11	462
19-Jun-02	286	11	297	7-Aug-02	448	11	459
20-Jun-02	308	11	319	8-Aug-02	446	11	457
21-Jun-02	320	11	331	9-Aug-02	414	11	425
22-Jun-02	339	11	350	10-Aug-02	429	11	440
23-Jun-02	356	11	367	11-Aug-02	445	11	456
24-Jun-02	329	11	340	12-Aug-02	444	11	455
25-Jun-02	321	11	332	13-Aug-02	412	11	423
26-Jun-02	325	11	336	14-Aug-02	404	11	415
27-Jun-02	311	11	322	15-Aug-02	421	11	432
28-Jun-02	297	11	308	16-Aug-02	432	11	443
29-Jun-02	302	11	313	17-Aug-02	417	11	428
30-Jun-02	319	11	330	18-Aug-02	382	11	393
1-Jul-02	285	11	296	19-Aug-02	402	11	413
2-Jul-02	298	11	309	20-Aug-02	422	11	433
3-Jul-02	318	11	329	21-Aug-02	422	11	433
4-Jul-02	328	11	339	22-Aug-02	472	11	483
5-Jul-02	340	11	351	23-Aug-02	520	11	531
6-Jul-02	362	11	373	24-Aug-02	471	11	482
7-Jul-02	365	11	376	25-Aug-02	477	11	488
8-Jul-02	351	11	362	26-Aug-02	368	11	379
9-Jul-02	373	11	384	27-Aug-02	275	11	286
10-Jul-02	384	11	395	28-Aug-02	134	11	145
11-Jul-02	386	11	397	29-Aug-02	85	11	96
12-Jul-02	358	11	369	30-Aug-02	82	11	93
13-Jul-02	354	11	365	31-Aug-02	76	11	87
14-Jul-02	341	11	352				
15-Jul-02	332	11	343				
16-Jul-02	350	11	361				
17-Jul-02	340	11	351				
18-Jul-02	351	11	362				
19-Jul-02	357	11	368				
20-Jul-02	365	11	376				
21-Jul-02	371	11	382				
22-Jul-02	370	11	381				
23-Jul-02	388	11	399				
24-Jul-02	374	11	385				
25-Jul-02	374	11	385				
26-Jul-02	407	11	418				
27-Jul-02	457	11	468				
28-Jul-02	469	11	480	Total (CFS)		902	29,558
29-Jul-02	421	11	432	Total(Acre-feet)		1,789	58,628

20030923

13210050 BOISE RIVER AT MIDDLETON
 STORED FLOW, CUBIC FEET/SECOND , IRRIGATION YEAR NOVEMBER 2002 TO OCTOBER 2003

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	241	241	226	174	272	204	161	-2313	285	380	62	---
2	241	242	222	241	273	195	136	-2459	298	398	86	---
3	241	241	221	175	247	192	147	-1998	318	427	51	---
4	241	242	220	242	219	183	256	-1461	328	424	40	---
5	242	242	220	242	215	188	277	-1073	340	426	56	---
6	241	242	220	240	216	181	253	-972	362	451	33	---
7	240	243	219	242	22	42	226	-1064	365	448	58	---
8	241	243	218	241	8.4	167	216	-1036	351	446	73	---
9	241	241	219	241	211	273	213	-1085	373	414	126	---
10	241	244	218	242	243	262	191	-494	384	429	115	---
11	240	241	217	240	240	323	227	105	386	445	123	---
12	238	241	217	273	241	356	236	342	358	444	78	---
13	238	240	219	281	241	321	173	207	354	412	75	---
14	241	241	223	280	240	328	137	190	341	404	87	---
15	241	241	219	280	240	398	108	195	332	421	88	---
16	245	242	217	281	240	400	77	191	350	432	---	---
17	249	242	217	281	241	338	157	177	340	417	---	---
18	249	227	242	283	240	376	145	236	351	382	---	---
19	243	219	241	283	240	330	144	286	357	402	---	---
20	241	217	240	283	239	218	132	308	365	422	---	---
21	241	220	242	281	107	161	121	320	371	422	---	---
22	241	221	242	283	239	71	114	339	370	472	---	---
23	240	218	240	283	224	119	132	356	388	520	---	---
24	238	217	241	280	241	137	101	329	374	471	---	---
25	241	216	242	276	210	98	95	321	374	477	---	---
26	241	220	242	275	234	90	108	325	407	368	---	---
27	240	223	242	274	243	98	111	311	457	275	---	---
28	241	218	241	273	226	119	117	297	469	134	---	---
29	242	234	241	---	230	63	95	302	421	85	---	---
30	241	241	241	---	226	92	156	319	406	82	---	---
31	---	239	242	---	228	---	184	---	419	76	---	---
TOTAL	7242	7239	7110	7266	6736	6322	4946	-8499	11394	11806	1151	
MEAN	241	234	229	260	217	211	160	-283	368	381	77	
MAX	249	244	242	283	273	400	277	356	469	520	126	
MIN	238	216	217	174	8.4	42	77	-2459	285	76	33	
AC-FT	14364	14358	14102	14413	13360	12540	9810	-16857	22600	23417	2282	
IRRIGATION YEAR 2003			TOTAL	62712	MEAN	172	AC-FT	124388				

Added
9/24/03

```

50:
$INQUIRE BDF "TO MAKE A FILE OF NEW DATA ENTER YES OR NO (Y/N). "
$IF .NOT. BDF THEN GOTO 75
$ASSIGN/USER TT: SYS$INPUT
$RUN BOIDLFLW
75:
INQUIRE CHG "CHANGE HYDROMET FILE TO MATCH HISTORY FILE? (Y/N)"
IF .NOT. CHG THEN GO TO 80
$SORT BOIHYDMET.OUT BOIHYDMET.OUT-
/KEY=(POSITION:1,SIZE:8)/KEY=(POSITION:10,SIZE:7)/STABLE
$RUN BOIFORMAT
$PUR/KEEP=3 BOIHYDMET.OUT
$REN FOR007.DAT FOR001.DAT
$SORT/KEY=(POS:1,SIZE:8)/KEY=(POSITION:10,SIZE:8) FOR001.DAT FOR001.DAT
$RUN CHG DAT
$SORT/KEY=(POS:1,SIZE:8)/KEY=(POS:10,SIZE:7) OUTFILE.DAT BOIDLFLW.OUT
$PUR FOR001.DAT
$PUR FOR077.DAT
$PUR/KEEP=3 BOIDLFLW.OUT
$PUR OUTFILE.DAT
$TYPE SYS$INPUT
    THE BOISE HYDROMET DATA IS NOW IN FILE BOIDLFLW.OUT
80:
$INQUIRE SRT1 "TO SORT DATA ENTRY FILE ENTER YES OR NO (Y/N). "
$IF .NOT. SRT1 THEN GOTO 200
$SAY

```

```

*****
DATA ENTRY FILE IS BEING SORTED
*****

```

```

$SORT BOIDLFLW.OUT BOIDLFLW.OUT-
/KEY=(POSITION:1,SIZE:8)/KEY=(POSITION:10,SIZE:7)/STABLE
200:
$INQUIRE SRT2 "TO SORT OLD HISTORY FILE ENTER YES OR NO (Y/N). "
$IF .NOT. SRT2 THEN GOTO 300
$SAY

```

```

*****
OLD HISTORY FILE IS BEING SORTED
*****

```

```

$SORT BOIWRA.HST BOIWRA.HST-
/KEY=(POSITION:1,SIZE:8)/KEY=(POSITION:10,SIZE:7)
300:
$SAY

```

BEFORE UPDATING HISTORY FILE YOU MAY WANT TO CREATE A
BACKUP FILE.

```

$INQUIRE BKUP "TO CREATE A NEW BACKUP FILE ENTER YES OR NO (Y/N). "
$IF .NOT. BKUP THEN GOTO 310
$COPY BOIWRA.HST BOIHST.BKU
$SAY

```

BACKUP FILE CREATED

THE FOLLOWING BACKUP FILES ARE NOW IN YOUR DIRECTORY. DELETE
AS MANY AS POSSIBLE BY ENTERING THE NUMBER TO BE KEPT.

```

IR/DAT/SIZ BOIHST.BKU
INQUIRE KF "      HOW MANY DO YOU WANT TO KEEP? "
$PU/KEEP='KF' BOIHST.BKU
$WRITE SYS$OUTPUT " "
$WRITE SYS$OUTPUT " *****"
$WRITE SYS$OUTPUT "      ",KF," BACKUP HISTORY FILES RETAINED"
$WRITE SYS$OUTPUT " *****"
$WRITE SYS$OUTPUT " "
$310:
$INQUIRE UPD "TO PUT NEW DATA IN HISTORY FILE ENTER YES OR NO (Y/N). "
$IF .NOT. UPD THEN GOTO 400
$ASSIGN BOIWRA.HST OLDHIST
$ASSIGN BOIDLFLW.OUT ENTRY
$ASSIGN BOIWRANEW.HST NEWHIST
$ASSIGN/USER TT: SYS$INPUT
$RUN BOIHISTUP
$REN BOIWRANEW.HST BOIWRA.HST
$PU/KEEP=3 BOIDLFLW.OUT
$SAY

```

THE FOLLOWING HISTORY FILES ARE NOW IN YOUR DIRECTORY. ODELETE
AS MANY AS POSSIBLE BY ENTERING THE NUMBER TO BE KEPT.

```

$DIR/DAT/SIZ BOIWRA.HST
$325:
$INQUIRE KH "      HOW MANY DO YOU WANT TO KEEP? "
$IF 'KH'.GE.2 THEN GOTO 350
$SAY

```

YOU SHOULD PROBABLY KEEP AT LEAST TWO HISTORY FILES.

```

$GOTO 325
$350:
$PU/KEEP='KH' BOIWRA.HST
$WRITE SYS$OUTPUT " "
$WRITE SYS$OUTPUT " *****"
$WRITE SYS$OUTPUT "      ",KH," HISTORY FILES RETAINED"
$WRITE SYS$OUTPUT " *****"
$WRITE SYS$OUTPUT " "
$GOTO 450
$400:
$SAY

```

```

*****
HISTORY FILE NOT UPDATED WITH NEW DATA
*****

```

```

$450:
$INQUIRE PRNT "TO LIST DATA, ENTER YES OR NO (Y/N). "
$IF .NOT. PRNT THEN GOTO 500
$@BOILST
$500:
$INQUIRE CONT "TO RETURN TO ENTER ADDITIONAL DATA, ENTER YES OR NO (Y/N). "
$IF CONT THEN GOTO 50
$SAY

```

```

*****
DATA ENTRY AND HISTORY FILE UPDATE ROUTINES COMPLETED
*****

```

INQUIRE WRA "TO RUN WATER RIGHT ACCOUNTING, ENTER YES OR NO (Y/N). "
\$IF .NOT. WRA THEN GOTO 550
\$DBOIWRA
\$550:
\$GOTO 600
\$SAY

WATER RIGHT ACCOUNTING NOT RUN, DATA ENTRY COMPLETED

\$600:

20040114

TABLE 1. 2003 BOISE RIVER STORED WATER BY RESERVOIR

(ACRE-FEET)

RESERVOIR	SPACE	FILL	EVAPORATION	YIELD
ARROWROCK	272224.0	272224.0	2103.2	270120.8
ANDERSON RANCH	413770.4	413291.7	8642.3	404649.4
LUCKY PEAK	203736.8	203736.8	3339.0	200397.8
ANDERSON LST FIL	36259.6	0.0	0.0	0.0
LUCKY PEAK LST FIL	60633.2	60633.2	993.7	59639.5
TOTAL	986624.0	949885.7	15078.2	934807.5

TABLE 2. 2003 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL
13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0
13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0
13201991	USBR INSTREAM	0.0	0.0	82718.8	0.0	19701.2	102420.0
13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0
13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0
13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0
13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0
13204060	ROSSI MILL	0.0	0.0	700.0	0.0	0.0	700.0
13204190	BOISE CITY	0.0	0.0	1000.0	0.0	0.0	1000.0
13204200	UNITED WATER	0.0	1000.0	800.0	0.0	0.0	1800.0
13205515	SETTLERS	2668.0	5675.0	10000.0	0.0	0.0	18343.0
13205517	DAVIS	0.0	0.0	1500.0	0.0	0.0	1500.0
13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0
13205640	FARMERS UNION	2779.0	5593.0	10000.0	0.0	0.0	18372.0
13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0
13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0
13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0
13206092	NEW UNION	0.0	0.0	1400.0	0.0	0.0	1400.0
13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0
13208710	MIDDLETON	0.0	0.0	11000.0	0.0	0.0	11000.0
13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0
13209482	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0
13209630	LITTLE PIONEER	0.0	2123.0	500.0	0.0	0.0	2623.0
13209990	CANYON COUNTY	0.0	0.0	6000.0	0.0	0.0	6000.0
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0
99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0
99999080	ANDSN UNCONTRACTED	0.0	696.4	0.0	36259.6	0.0	36956.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	40932.0	40932.0
99999100	EAGLE IS CANALS	0.0	0.0	1718.0	0.0	0.0	1718.0
	TOTAL	272224.0	413770.4	203736.8	36259.6	60633.2	986624.0

TABLE 3. 2003 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	ARROWROCK *-----ANDERSON RANCH-----*				*-----LUCKY PEAK-----*		
		STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILL	STORAGE
13189600	TRINITY SPRINGS	0.0	775.2	24.8	800.0	0.0	0.0	0.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	0.0	0.0
13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	37816.2	12183.8	50000.0
13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	75939.0	6779.8	82718.8
13203000	NEW YORK	241321.0	61727.4	289826.6	351554.0	0.0	0.0	0.0
13203527	SURPRIS VY/MICRON	0.0	2907.1	92.9	3000.0	0.0	0.0	0.0
13203760	RIDENBAUGH	3794.0	0.0	14654.7	14654.7	0.0	0.0	0.0
13204005	BUBB	0.0	14.6	516.4	531.0	0.0	0.0	0.0
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	676.2	23.8	700.0
13204190	BOISE CITY	0.0	0.0	0.0	0.0	881.5	118.5	1000.0
13204200	UNITED WATER	0.0	984.7	15.3	1000.0	0.0	800.0	800.0
13205515	SETTLERS	2668.0	0.0	5625.0	5625.0	6219.9	3780.1	10000.0
13205517	DAVIS	0.0	0.0	0.0	0.0	861.2	638.8	1500.0
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	772.8	27.2	800.0
13205640	FARMERS UNION	2779.0	0.0	5543.7	5543.7	4032.0	5968.0	10000.0
13205641	BOISE VALLEY	0.0	0.0	930.7	930.7	1122.5	1377.5	2500.0
13205643	CAPITOL VIEW	0.0	72.4	376.6	449.0	0.0	0.0	0.0
13206090	NEW DRY CREEK	0.0	0.0	1254.8	1254.8	1447.2	1552.8	3000.0
13206092	NEW UNION	0.0	0.0	0.0	0.0	962.8	437.2	1400.0
13206265	BALLENTYNE	0.0	0.0	363.8	363.8	979.7	320.3	1300.0
13208710	MIDDLETON	0.0	0.0	0.0	0.0	6557.6	4442.4	11000.0
13209480	PHYLLIS	20326.0	0.0	24765.7	24765.7	6104.8	9895.2	16000.0
13209482	EUREKA #1	0.0	0.0	0.0	0.0	1031.6	1768.4	2800.0
13209630	LITTLE PIONEER	0.0	1997.7	125.3	2123.0	490.8	9.2	500.0
13209990	CANYON COUNTY	0.0	0.0	0.0	0.0	4159.2	1840.8	6000.0
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	0.0	0.0
99999050	ANDERSON DAM POWER	0.0	5.9	0.1	6.0	0.0	0.0	0.0
99999080	ANDSN UNCONTRACTED	0.0	0.0	690.3	690.3	0.0	0.0	0.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99999100	EAGLE IS CANALS	0.0	0.0	0.0	0.0	1404.2	313.8	1718.0
TOTAL		272224.0	68485.0	344806.7	413291.7	151459.2	52277.6	203736.8

TABLE 3 (CONTINUED). 2003 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	*ANDERSON RANCH LAST FILL *	*--- LUCKY PEAK LAST FILL ---*	*----- TOTAL -----*
		CARRYOVER NEW FILL STORAGE	CARRYOVER NEW FILL STORAGE	CARRYOVER NEW FILL STORAGE
13189600	TRINITY SPRINGS	0.0 0.0 0.0	0.0 0.0 0.0	775.2 24.8 800.0
13201050	LUCKY PEAK NURSERY	0.0 0.0 0.0	0.0 0.0 0.0	0.0 190.0 190.0
13201990	F&G INSTREAM	0.0 0.0 0.0	0.0 0.0 0.0	37816.2 12183.8 50000.0
13201991	USBR INSTREAM	0.0 0.0 0.0	0.0 19701.2 19701.2	75939.0 26481.0 102420.0
13203000	NEW YORK	0.0 0.0 0.0	0.0 0.0 0.0	61727.4 531147.6 592875.0
13203527	SURPRIS VY/MICRON	0.0 0.0 0.0	0.0 0.0 0.0	2907.1 92.9 3000.0
13203760	RIDENBAUGH	0.0 0.0 0.0	0.0 0.0 0.0	0.0 18448.7 18448.7
13204005	BUBB	0.0 0.0 0.0	0.0 0.0 0.0	14.6 516.4 531.0
13204060	ROSSI MILL	0.0 0.0 0.0	0.0 0.0 0.0	676.2 23.8 700.0
13204190	BOISE CITY	0.0 0.0 0.0	0.0 0.0 0.0	881.5 118.5 1000.0
13204200	UNITED WATER	0.0 0.0 0.0	0.0 0.0 0.0	984.7 815.3 1800.0
13205515	SETTLERS	0.0 0.0 0.0	0.0 0.0 0.0	6219.9 12073.1 18293.0
13205517	DAVIS	0.0 0.0 0.0	0.0 0.0 0.0	861.2 638.8 1500.0
13205622	THURMAN MILL	0.0 0.0 0.0	0.0 0.0 0.0	772.8 27.2 800.0
13205640	FARMERS UNION	0.0 0.0 0.0	0.0 0.0 0.0	4032.0 14290.7 18322.7
13205641	BOISE VALLEY	0.0 0.0 0.0	0.0 0.0 0.0	1122.5 2308.2 3430.7
13205643	CAPITOL VIEW	0.0 0.0 0.0	0.0 0.0 0.0	72.4 376.6 449.0
13206090	NEW DRY CREEK	0.0 0.0 0.0	0.0 0.0 0.0	1447.2 2807.6 4254.8
13206092	NEW UNION	0.0 0.0 0.0	0.0 0.0 0.0	962.8 437.2 1400.0
13206265	BALLENTYNE	0.0 0.0 0.0	0.0 0.0 0.0	979.7 684.1 1663.8
13208710	MIDDLETON	0.0 0.0 0.0	0.0 0.0 0.0	6557.6 4442.4 11000.0
13209480	PHYLLIS	0.0 0.0 0.0	0.0 0.0 0.0	6104.8 54986.9 61091.7
13209482	EUREKA #1	0.0 0.0 0.0	0.0 0.0 0.0	1031.6 1768.4 2800.0
13209630	LITTLE PIONEER	0.0 0.0 0.0	0.0 0.0 0.0	2488.5 134.5 2623.0
13209990	CANYON COUNTY	0.0 0.0 0.0	0.0 0.0 0.0	4159.2 1840.8 6000.0
13210992	SEBREE	0.0 0.0 0.0	0.0 0.0 0.0	0.0 1146.0 1146.0
99999050	ANDERSON DAM POWER	0.0 0.0 0.0	0.0 0.0 0.0	5.9 0.1 6.0
99999080	ANDSN UNCONTRACTED	0.0 0.0 0.0	0.0 0.0 0.0	0.0 690.3 690.3
99999090	USBR UNCONTRACTED	0.0 0.0 0.0	0.0 40932.0 40932.0	0.0 40932.0 40932.0
99999100	EAGLE IS CANALS	0.0 0.0 0.0	0.0 0.0 0.0	1404.2 313.8 1718.0
TOTAL		0.0 0.0 0.0	0.0 60633.2 60633.2	219944.2 729941.5 949885.7

TABLE 4. 2003 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL AFTER LOSS	
13189600	TRINITY SPRINGS	0.0	783.3	0.0	783.3	0.0	0.0	783.3	777.5
13201050	LUCKY PEAK NURSERY	188.5	0.0	0.0	188.5	0.0	0.0	188.5	187.1
13201990	F&G INSTREAM	0.0	0.0	49180.6	49180.6	0.0	0.0	49180.6	49180.6
13201991	USBR INSTREAM	0.0	0.0	100741.5	100741.5	-1789.0	-16577.8	82374.7	82374.7
13203000	NEW YORK	239456.6	344202.7	0.0	583659.2	-14007.4	0.0	569651.8	565435.9
13203527	SURPRIS VY/MICRON	0.0	2937.3	0.0	2937.3	0.0	0.0	2937.3	2915.5
13203760	RIDENBAUGH	3764.7	14348.2	0.0	18112.9	14407.4	0.0	32520.3	32279.6
13204005	BUBB	0.0	519.9	0.0	519.9	0.0	0.0	519.9	516.0
13204060	ROSSI MILL	0.0	0.0	688.5	688.5	0.0	0.0	688.5	683.4
13204190	BOISE CITY	0.0	0.0	983.6	983.6	0.0	0.0	983.6	976.3
13204200	UNITED WATER	0.0	979.1	786.9	1766.0	1789.0*	2100.0	5655.0	5613.1
13205515	SETTLERS	2647.4	5507.4	9836.1	17990.9	0.0	0.0	17990.9	17857.7
13205517	DAVIS	0.0	0.0	1475.4	1475.4	0.0	0.0	1475.4	1464.5
13205622	THURMAN MILL	0.0	0.0	786.9	786.9	0.0	0.0	786.9	781.1
13205640	FARMERS UNION	2757.5	5427.8	9836.1	18021.4	0.0	0.0	18021.4	17888.0
13205641	BOISE VALLEY	0.0	911.3	2459.0	3370.3	0.0	-1000.0	2370.3	2352.7
13205643	CAPITOL VIEW	0.0	439.6	0.0	439.6	0.0	0.0	439.6	436.4
13206090	NEW DRY CREEK	0.0	1228.6	2950.8	4179.4	0.0	0.0	4179.4	4148.5
13206092	NEW UNION	0.0	0.0	1377.1	1377.1	0.0	-492.0	885.1	878.5
13206265	BALLENTYNE	0.0	356.2	1278.7	1634.9	0.0	0.0	1634.9	1622.8
13208710	MIDDLETON	0.0	0.0	10819.7	10819.7	0.0	0.0	10819.7	10739.6
13209480	PHYLLIS	20169.0	24247.9	15737.8	60154.6	0.0	0.0	60154.6	59709.4
13209482	EUREKA #1	0.0	0.0	2754.1	2754.1	0.0	0.0	2754.1	2733.7
13209630	LITTLE PIONEER	0.0	2078.6	491.8	2570.4	0.0	0.0	2570.4	2551.4
13209990	CANYON COUNTY	0.0	0.0	5901.7	5901.7	0.0	0.0	5901.7	5858.0
13210992	SEBREE	1137.1	0.0	0.0	1137.1	0.0	-1100.0	37.1	36.9
99999050	ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9	5.9
99999080	ANDSN UNCONTRACTED	0.0	675.8	0.0	675.8	-400.0	0.0	275.8	275.8
99999090	USBR UNCONTRACTED	0.0	0.0	40261.2	40261.2	0.0	-40261.2	0.0	0.0
99999100	EAGLE IS CANALS	0.0	0.0	1689.8	1689.8	0.0	0.0	1689.8	1677.3
99999200	ENDANGERED SPECIES	0.0	0.0	0.0	0.0	0.0	56839.0*	56839.0	56839.0
99999950	BOISE R WATER BANK	0.0	0.0	0.0	0.0	0.0	492.0	492.0	492.0
TOTAL		270120.8	404649.4	260037.3	934807.5	0.0	0.0	934807.5	929289.1

*STORAGE RELEASED FOR ENDANGERED SPECIES = 58,628 ACRE-FEET. UNITED WATER CREDIT OF 1,789 ACRE=FEET SUBTRACTED.

TABLE 5. 2003 BOISE RIVER RESERVOIR STORAGE ACCOUNTS - OCTOBER 31. (ACRE-FEET)

NUMBER	USER	BEGINNING STORAGE	STORAGE USED	BALANCE OCT 31	UNUSED TRANSFERS	UNUSED BANK	EXCESS USED	ARROWROCK UNUSED	ANDERSON CARRYOVER	LUCKY PEAK CARRYOVER
13189600	TRINITY SPRINGS	777.5	0.0	777.5	0.0	0.0	0.0	0.0	777.5	0.0
13201050	LUCKY PEAK NURSERY	187.1	145.7	41.4	0.0	0.0	0.0	41.4	0.0	0.0
13201990	F&G INSTREAM	49180.6	3173.6	46007.0	0.0	0.0	0.0	0.0	0.0	46007.0
13201991	USBR INSTREAM	82374.7	6743.9	75630.8	0.0	0.0	0.0	0.0	0.0	75630.8
13203000	NEW YORK	565435.9	432571.9	132864.0	0.0	0.0	0.0	0.0	132864.0	0.0
13203527	SURPRIS VY/MICRON	2915.5	0.0	2915.5	0.0	0.0	0.0	0.0	2915.5	0.0
13203760	RIDENBAUGH	32279.6	32279.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13204005	BUBB	516.0	204.3	311.7	0.0	0.0	0.0	0.0	311.7	0.0
13204060	ROSSI MILL	683.4	103.0	580.4	0.0	0.0	0.0	0.0	0.0	580.4
13204190	BOISE CITY	976.3	57.7	918.6	0.0	0.0	0.0	0.0	0.0	918.6
13204200	UNITED WATER	5613.1	3946.7	1666.4	0.0	0.0	0.0	0.0	879.5	786.9
13205515	SETTLERS	17857.7	4348.8	13508.9	0.0	0.0	0.0	0.0	3672.8	9836.1
13205517	DAVIS	1464.5	87.3	1377.2	0.0	0.0	0.0	0.0	0.0	1377.2
13205622	THURMAN MILL	781.1	0.0	781.1	0.0	0.0	0.0	0.0	0.0	781.1
13205640	FARMERS UNION	17888.0	8327.9	9560.1	0.0	0.0	0.0	0.0	0.0	9560.1
13205641	BOISE VALLEY	2352.7	1152.2	1200.5	0.0	0.0	0.0	0.0	0.0	1200.5
13205643	CAPITOL VIEW	436.4	0.0	436.4	0.0	0.0	0.0	0.0	436.4	0.0
13206090	NEW DRY CREEK	4148.5	213.0	3935.5	0.0	0.0	0.0	0.0	984.7	2950.8
13206092	NEW UNION	878.5	255.9	622.6	0.0	0.0	0.0	0.0	0.0	622.6
13206265	BALLENTYNE	1622.8	85.2	1537.6	0.0	0.0	0.0	0.0	258.9	1278.7
13206274	EAGLE ISLAND PARK	0.0	59.8	-59.8	0.0	0.0	0.0	0.0	0.0	0.0
13208710	MIDDLETON	10739.6	3565.9	7173.7	0.0	0.0	0.0	0.0	0.0	7173.7
13209480	PHYLLIS	59709.4	50763.7	8945.7	0.0	0.0	0.0	0.0	0.0	8945.7
13209482	EUREKA #1	2733.7	1564.5	1169.2	0.0	0.0	0.0	0.0	0.0	1169.2
13209630	LITTLE PIONEER	2551.4	0.0	2551.4	0.0	0.0	0.0	0.0	2059.6	491.8
13209990	CANYON COUNTY	5858.0	1753.5	4104.5	0.0	0.0	0.0	0.0	0.0	4104.5
13210992	SEBREE	36.9	0.0	36.9	0.0	0.0	0.0	36.9	0.0	0.0
99999050	ANDERSON DAM POWER	5.9	0.0	5.9	0.0	0.0	0.0	0.0	5.9	0.0
99999080	ANDSN UNCONTRACTED	275.8	0.0	275.8	0.0	0.0	0.0	0.0	275.8	0.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99999100	EAGLE IS CANALS	1677.3	293.9	1383.4	0.0	0.0	0.0	0.0	0.0	1383.4
99999200	ENDANGERED SPECIES	56839.0	56839.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99999950	BOISE R WATER BANK	492.0	492.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		929289.0	609029.0	320260.0	0.0	0.0	0.0	78.3	145442.2	174799.3

20040114

TABLE 6. 2003 WATER DISTRICT 63 RESERVOIR TOTAL STORAGE - OCTOBER 31 (ACRE-FEET)

RESERVOIR	CARRYOVER	LATE FILL	TOTAL
ARROWROCK	78.3	21650.3	21728.6
ANDERSON RANCH	145442.2	0.0	145442.2
LUCKY PEAK	174799.3	59.6	174858.9
ANDERSON LST FIL	0.0	0.0	0.0
LUCKY PEAK LST FIL	0.0	0.0	0.0
TOTAL	320319.8	21709.9	342029.7

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date:

31-Oct-03

Supply:

Accounted for storage	949885.7
Unaccounted for storage	
Late season fill	21709.9
Total Storage Available	971595.6

Use:

Canals and pumps	(551,707.5-3174-6744)	541789.5
Endangered species	(58,628-1789 United Water)	56839.0
Evaporation		15078.1
Rental Pool Use		488.9
Eagle Island Park Use		-59.9
Herrick Storage Use		-10.0
Fish and Game		3174.0
USBR Streamflow		6744.0
Operational Loss	(74,064.5-58,628-3174-6744)	5518.5
Total Storage Used		629562.1
Net Storage		342033.5
Actual Storage	(303,127+36,960)	340087.0
Averaging Error		1946.5

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date:

31-Oct-03 (Restart)

Supply:

Accounted for storage

342029.7

Unaccounted for storage

Late season fill

Total Storage Available

342029.7

Use:

Canals and pumps

Endangered species

Flood Release

Fish and Game

USBR Streamflow

Evaporation

Operational Loss

Total Storage Used

Net Storage

342029.7

Actual Storage

(303,127+36960)

340087.0

Averaging Error

1942.7

Resart Values for accounting are as follows:

Arrowrock

21728.6

Anderson Ranch

145442.2

Lucky Peak

174858.9

Re-start for Irrigation Year 2004

2003 DATA RST/^{Arrowrock}260624, ^{Arrowrock}11600, ^{Anderson}413770.4, ^{Lucky Peak}203736.8,
^{Anderson}36259.6, ^{Lucky Peak}60633.2/

Lucky Peak Last to Fill 2003 = 60,633.2 - Reservoir Filled
Lucky Peak Last to Fill yield 2003 = 59,639.5

Endangered Species 2003 = 56,839.0

Rented USBR uncontracted = 40261.2
Anderson uncontracted = 0.0
USBR Instream = 16577.8

Anderson Ranch Fill = 413,291.7 Yield 404649.4
Anderson Ranch Last to Fill = 0.0

Since Lucky Peak Filled, Last to Fill Lucky Peak = 56,839.0

Lucky Peak = 264,370 - 56,839 = 207,531.0

Anderson Ranch doesn't change, no fill to last to fill.

2004 DATA RST/260624, 11600, 413770.4, 207531.,
36259.6, 56839.0/



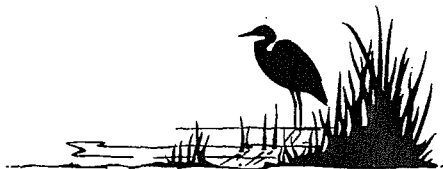
State of Idaho

DEPARTMENT OF WATER RESOURCES

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FAX COVER SHEET

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

Date: 1/15/04

To: Frank Youngkin 387-1372

From: Pamela Pace

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20040112

13205995 DIVERSIONS FROM BOISE RIVER - NR BOISE TO GLENWOOD BRIDGE
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1466	---	---	---	200	357	1167	2739	3203	3328	3235	2816
2	1509	---	---	---	200	355	1151	2753	3214	3329	3235	2813
3	1522	---	---	---	400	393	1142	2751	3217	3331	3235	2813
4	1523	---	---	---	400	423	1142	2751	3222	3334	3225	2812
5	1522	---	---	---	400	425	1218	2750	3226	3336	3226	2814
6	1522	---	---	---	400	425	1223	2751	3230	3338	3217	2816
7	869	---	---	---	400	200	1252	2753	3234	3339	3149	2815
8	80	---	---	---	400	---	1268	2752	3236	3339	3063	2808
9	78	---	---	---	400	---	1275	2725	3269	3304	3063	2803
10	75	---	---	---	400	---	1316	2689	3278	3296	3063	2790
11	73	---	---	---	400	---	1368	2691	3279	3293	3062	2713
12	70	---	---	---	344	---	1380	2688	3289	3292	3061	2680
13	70	---	---	---	359	---	1387	2683	3296	3294	3059	2676
14	55	---	---	---	360	---	1593	2694	3301	3295	3057	2677
15	18	---	---	---	359	---	1832	2707	3308	3294	3053	2650
16	7.9	---	---	---	358	---	1901	2723	3315	3295	3054	2587
17	7.9	---	---	---	358	---	2003	2736	3319	3295	3053	2519
18	7.9	---	---	---	358	---	2057	2745	3323	3296	3052	2510
19	7.9	---	---	---	358	---	2072	2752	3320	3299	3053	2508
20	7.9	---	---	---	359	---	2082	2758	3321	3299	3054	2503
21	7.9	---	---	---	358	400	2097	2767	3322	3291	3052	2503
22	5.0	---	---	---	358	400	2123	2767	3324	3278	3054	2443
23	5.0	---	---	---	357	400	2197	2847	3326	3276	3049	2404
24	5.0	---	---	---	357	400	2365	2889	3327	3278	3051	2391
25	5.0	---	---	---	356	534	2593	2896	3326	3272	3041	2390
26	5.0	---	---	---	356	654	2682	2901	3330	3268	3030	2392
27	5.0	---	---	---	356	901	2698	2982	3329	3270	3026	2391
28	5.0	---	---	---	356	1013	2718	3111	3329	3241	2970	2388
29	5.0	---	---	---	---	1012	2736	3170	3326	3238	2855	2388
30	5.0	---	---	---	---	1013	2737	3184	3328	3236	2819	2369
31	0.0	---	---	---	---	1012	---	3191	---	3235	2815	---
TOTAL	10545				10067	10315	54773	87295	98665	102110	95028	78178
MEAN	340				360	573	1826	2816	3289	3294	3065	2606
MAX	1523				400	1013	2737	3191	3330	3339	3235	2816
MIN	0.0				200	200	1142	2683	3203	3235	2815	2369
AC-FT	20917				19968	20460	108642	173150	195702	202536	188488	155066

WATER YEAR 2003 TOTAL 546977 MEAN 1499 AC-FT 1084928

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1026	---	---	---	---	---	254	1329	1618	1699	1573	1392
2	1024	---	---	---	---	---	323	1336	1630	1703	1558	1374
3	1022	---	---	---	---	---	338	1349	1641	1717	1543	1384
4	1018	---	---	---	---	---	341	1349	1655	1719	1528	1394
5	1014	---	---	---	---	---	340	1350	1672	1715	1520	1404
6	1010	---	---	---	---	---	338	1360	1675	1708	1522	1392
7	1006	---	---	---	---	---	375	1370	1679	1701	1523	1380
8	995	---	---	---	---	---	630	1380	1683	1675	1525	1368
9	992	---	---	---	---	---	661	1390	1687	1647	1527	1351
10	991	---	---	---	---	---	693	1399	1699	1642	1528	1311
11	985	---	---	---	---	---	724	1408	1726	1637	1530	1292
12	980	---	---	---	---	---	751	1417	1684	1631	1530	1290
13	974	---	---	---	---	---	779	1429	1693	1626	1531	1289
14	969	---	---	---	---	---	827	1433	1744	1621	1531	1288
15	927	---	---	---	---	---	893	1441	1745	1621	1532	1286
16	747	---	---	---	---	---	937	1452	1740	1626	1533	1287
17	745	---	---	---	---	---	1001	1463	1740	1631	1535	1279
18	727	---	---	---	---	---	1066	1474	1743	1636	1537	1282
19	710	---	---	---	---	---	1130	1485	1745	1628	1537	1284
20	692	---	---	---	---	---	1193	1497	1748	1621	1535	1267
21	477	---	---	---	---	---	1253	1504	1750	1614	1532	1241
22	339	---	---	---	---	---	1295	1511	1753	1617	1529	1235
23	305	---	---	---	---	---	1311	1519	1755	1612	1509	1216
24	284	---	---	---	---	---	1312	1527	1754	1608	1507	1193
25	267	---	---	---	---	---	1312	1536	1746	1603	1490	1183
26	191	---	---	---	---	---	1312	1543	1737	1598	1476	1177
27	154	---	---	---	---	---	1312	1543	1728	1593	1470	1167
28	138	---	---	---	---	---	1308	1571	1719	1569	1463	1157
29	121	---	---	---	---	---	1315	1588	1711	1569	1445	1151
30	90	---	---	---	---	---	1321	1598	1705	1572	1428	1149
31	20	---	---	---	---	---	---	1601	---	1572	1410	---
TOTAL	20939						26643	45151	51305	50727	46939	38461
MEAN	675						888	1456	1710	1636	1514	1282
MAX	1026						1321	1601	1755	1719	1573	1404
MIN	20						254	1329	1618	1569	1410	1149
AC-FT	41533						52847	89558	101764	100617	93103	76287
	WATER YEAR 2003	TOTAL	280166	MEAN	768	AC-FT	555709					

PRELIMINARY DATA

20040311

13210050 BOISE RIVER NR MIDDLETON
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	279	242	337	467	1177	---	---	---	---	---	---	---
2	286	233	350	455	761	---	---	---	---	---	---	---
3	296	235	332	463	429	---	---	---	---	---	---	---
4	288	227	325	451	410	---	---	---	---	---	---	---
5	274	225	321	431	401	---	---	---	---	---	---	---
6	265	228	332	418	376	---	---	---	---	---	---	---
7	267	239	332	434	364	---	---	---	---	---	---	---
8	265	239	351	421	362	---	---	---	---	---	---	---
9	254	227	354	418	363	---	---	---	---	---	---	---
10	261	223	353	396	372	---	---	---	---	---	---	---
11	268	226	345	378	---	---	---	---	---	---	---	---
12	314	330	343	378	---	---	---	---	---	---	---	---
13	264	374	334	374	---	---	---	---	---	---	---	---
14	256	351	331	369	---	---	---	---	---	---	---	---
15	235	334	367	372	---	---	---	---	---	---	---	---
16	237	324	374	382	---	---	---	---	---	---	---	---
17	279	315	372	499	---	---	---	---	---	---	---	---
18	254	320	366	534	---	---	---	---	---	---	---	---
19	244	318	372	544	---	---	---	---	---	---	---	---
20	246	315	367	571	---	---	---	---	---	---	---	---
21	245	312	369	0.0	---	---	---	---	---	---	---	---
22	238	309	378	0.0	---	---	---	---	---	---	---	---
23	236	306	374	0.0	---	---	---	---	---	---	---	---
24	237	334	384	0.0	---	---	---	---	---	---	---	---
25	240	361	383	0.0	---	---	---	---	---	---	---	---
26	235	330	382	0.0	---	---	---	---	---	---	---	---
27	229	315	377	0.0	---	---	---	---	---	---	---	---
28	229	310	412	0.0	---	---	---	---	---	---	---	---
29	247	331	580	0.0	---	---	---	---	---	---	---	---
30	245	365	565	---	---	---	---	---	---	---	---	---
31	---	331	505	---	---	---	---	---	---	---	---	---
TOTAL	7711	9128	11669	8754	5014							
MEAN	257	294	376	302	501							
MAX	314	374	580	571	1177							
MIN	229	223	321	0.0	362							
AC-FT	15296	18106	23145	17363	9944							

IRRIGATION YEAR 2004 TOTAL 42276 MEAN 116 AC-FT 83854

Use
Idaho Power
Data

Mod. to add
Idaho Power Data

OK

Idaho Power Data

20040315

13210050 BOISE RIVER NEAR MIDDLETON
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	289	306	366	449	1177	---	---	---	---	---	---	---
2	300	297	381	438	761	---	---	---	---	---	---	---
3	312	302	365	444	429	---	---	---	---	---	---	---
4	306	294	360	434	410	---	---	---	---	---	---	---
5	293	294	358	416	401	---	---	---	---	---	---	---
6	284	299	370	402	376	---	---	---	---	---	---	---
7	289	315	373	417	364	---	---	---	---	---	---	---
8	288	318	395	405	362	---	---	---	---	---	---	---
9	278	303	400	402	363	---	---	---	---	---	---	---
10	288	301	400	381	372	---	---	---	---	---	---	---
11	298	307	392	364	---	---	---	---	---	---	---	---
12	350	320	389	364	---	---	---	---	---	---	---	---
13	297	362	379	361	---	---	---	---	---	---	---	---
14	290	341	376	354	---	---	---	---	---	---	---	---
15	267	327	372	357	---	---	---	---	---	---	---	---
16	271	319	368	366	---	---	---	---	---	---	---	---
17	321	311	366	471	---	---	---	---	---	---	---	---
18	297	318	360	501	---	---	---	---	---	---	---	---
19	286	318	365	510	---	---	---	---	---	---	---	---
20	289	318	360	524	---	---	---	---	---	---	---	---
21	291	316	363	1039	---	---	---	---	---	---	---	---
22	284	316	371	1063	---	---	---	---	---	---	---	---
23	284	314	366	1081	---	---	---	---	---	---	---	---
24	288	344	376	1182	---	---	---	---	---	---	---	---
25	292	375	374	1202	---	---	---	---	---	---	---	---
26	288	346	373	1228	---	---	---	---	---	---	---	---
27	283	332	368	1216	---	---	---	---	---	---	---	---
28	285	329	400	1199	---	---	---	---	---	---	---	---
29	309	352	546	1190	---	---	---	---	---	---	---	---
30	309	390	534	---	---	---	---	---	---	---	---	---
31	---	358	482	---	---	---	---	---	---	---	---	---
TOTAL	8806	10042	12048	18760	5014							
MEAN	294	324	389	647	501							
MAX	350	390	546	1228	1177							
MIN	267	294	358	354	362							
AC-FT	17467	19918	23897	37210	9944							

IRRIGATION YEAR 2004 TOTAL 54670 MEAN 149 AC-FT 108437

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date: 4-Apr-04

Supply:

Accounted for storage	670493.4
Unaccounted for storage	0.0
Late season fill	
Total Storage Available	670493.4

Use:

Canals and pumps	0.0
Stored flow passing Middleton	
Endangered species	
Flood Release	
Operational Flow	
Operational Loss	
Release due to Arrowrock Construction	19962.0
Total Passing Middleton (95519-24754-50803)	19962.0
Evaporation	318.8
Fish and Game	
USBR Streamflow	
Total Storage Used	20280.8
Net Storage	650212.6
Actual Storage (615037+39,960)	654997.0
Averaging Error	-4784.4

95,520
 - 24,754 F&G
 - 50,803 USBR

Water Released For Arrowrock Valve Const. 19,963 AF 20040504

13210050 BOISE RIVER NEAR MIDDLETON
 STORED FLOW, CUBIC FEET/SECOND , IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	253	243	246	297	529	244	---	---	---	---	---	---
2	253	240	248	301	246	245	876 CFS = 1737.5 AF					
3	254	246	244	298	247	218						
4	247	246	245	297	246	169						
5	245	244	286	299	246	288	---	---	---	---	---	---
6	243	245	180	298	244	296	---	---	---	---	---	---
7	243	245	291	299	246	518	---	---	---	---	---	---
8	243	244	300	300	246	445	---	---	---	---	---	---
9	244	246	299	306	244	385	---	---	---	---	---	---
10	245	246	298	293	246	333	---	---	---	---	---	---
11	242	246	297	291	245	280	---	---	---	---	---	---
12	243	248	297	292	246	224	---	---	---	---	---	---
13	243	247	296	292	245	-325	---	---	---	---	---	---
14	244	247	296	292	243	-1025	---	---	---	---	---	---
15	238	246	298	295	245	-562	---	---	---	---	---	---
16	242	247	297	294	245	-117	---	---	---	---	---	---
17	243	247	296	289	244	45	---	---	---	---	---	---
18	243	247	296	283	245	25	---	---	---	---	---	---
19	242	247	296	269	246	30	---	---	---	---	---	---
20	242	247	295	418	246	116	---	---	---	---	---	---
21	243	246	297	949	245	151	---	---	---	---	---	---
22	243	246	296	945	245	208	---	---	---	---	---	---
23	244	246	295	1047	245	191	---	---	---	---	---	---
24	243	246	300	1108	245	161	---	---	---	---	---	---
25	243	245	300	1107	244	145	---	---	---	---	---	---
26	243	246	296	1105	247	161	---	---	---	---	---	---
27	244	245	297	1111	244	---	---	---	---	---	---	---
28	242	247	300	1106	245	---	---	---	---	---	---	---
29	243	246	299	1107	245	---	---	---	---	---	---	---
30	243	246	298	---	245	---	---	---	---	---	---	---
31	---	247	299	---	244	---	---	---	---	---	---	---
TOTAL	7321	7617	8876	15586	7881	2846						
MEAN	244	246	286	537	254	109						
MAX	254	248	300	1111	529	518						
MIN	238	240	180	269	243	-1025						
AC-FT	14521	15108	17606	30914	15633	5646						

IRRIGATION YEAR 2004 TOTAL 50128 MEAN 137 AC-FT 99428

Nov. 1 - Apr. 4 = 95,520 AF
 Apr. 5 New York Canal on

20040504

13201991 BUREAU OF RECLAMATION INSTREAM FLOW RELEASE
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	163	163	166	166	166	164	---	---	---	---	---	---
2	163	166	166	166	166	165	---	---	---	---	---	---
3	163	166	166	166	166	138	---	---	---	---	---	---
4	163	166	166	166	166	89	---	---	---	---	---	---
5	163	166	166	166	166	0.0	---	---	---	---	---	---
6	163	166	166	166	166	0.0	---	---	---	---	---	---
7	163	166	166	166	166	0.0	---	---	---	---	---	---
8	163	166	166	166	166	0.0	---	---	---	---	---	---
9	163	166	166	166	166	0.0	---	---	---	---	---	---
10	163	166	166	166	166	0.0	---	---	---	---	---	---
11	163	166	166	166	163	0.0	---	---	---	---	---	---
12	163	166	166	166	164	0.0	---	---	---	---	---	---
13	163	166	166	166	164	0.0	---	---	---	---	---	---
14	163	166	166	166	164	0.0	---	---	---	---	---	---
15	163	166	166	166	164	0.0	---	---	---	---	---	---
16	163	166	166	166	164	0.0	---	---	---	---	---	---
17	163	166	166	166	164	0.0	---	---	---	---	---	---
18	163	166	166	166	164	0.0	---	---	---	---	---	---
19	163	166	166	166	164	0.0	---	---	---	---	---	---
20	163	166	166	166	164	0.0	---	---	---	---	---	---
21	163	166	166	166	164	0.0	---	---	---	---	---	---
22	163	166	166	166	164	0.0	---	---	---	---	---	---
23	163	166	166	166	164	0.0	---	---	---	---	---	---
24	163	166	166	166	164	0.0	---	---	---	---	---	---
25	163	166	166	166	164	0.0	---	---	---	---	---	---
26	163	166	166	166	164	0.0	---	---	---	---	---	---
27	163	166	166	166	165	0.0	---	---	---	---	---	---
28	163	166	166	166	165	0.0	---	---	---	---	---	---
29	163	166	166	166	165	0.0	---	---	---	---	---	---
30	163	166	166	---	165	0.0	---	---	---	---	---	---
31	---	166	166	---	164	---	---	---	---	---	---	---
TOTAL	4890	5131	5134	4802	5100	556						
MEAN	163	166	166	166	165	19						
MAX	163	166	166	166	166	165						
MIN	163	163	166	166	163	0.0						
AC-FT	9699	10177	10182	9526	10116	1103						
IRRIGATION YEAR 2004			TOTAL	25613	MEAN	70	AC-FT	50803				

20040504

13201990 FISH AND GAME INSTREAM FLOW RELEASE
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	80	80	80	80	80	80	---	---	---	---	---	---
2	80	80	80	80	80	80	---	---	---	---	---	---
3	80	80	80	80	80	80	---	---	---	---	---	---
4	80	80	80	80	80	80	---	---	---	---	---	---
5	80	80	80	80	80	0.0	---	---	---	---	---	---
6	80	80	80	80	80	0.0	---	---	---	---	---	---
7	80	80	80	80	80	0.0	---	---	---	---	---	---
8	80	80	80	80	80	0.0	---	---	---	---	---	---
9	80	80	80	80	80	0.0	---	---	---	---	---	---
10	80	80	80	80	80	0.0	---	---	---	---	---	---
11	80	80	80	80	80	0.0	---	---	---	---	---	---
12	80	80	80	80	80	0.0	---	---	---	---	---	---
13	80	80	80	80	80	0.0	---	---	---	---	---	---
14	80	80	80	80	80	0.0	---	---	---	---	---	---
15	80	80	80	80	80	0.0	---	---	---	---	---	---
16	80	80	80	80	80	0.0	---	---	---	---	---	---
17	80	80	80	80	80	0.0	---	---	---	---	---	---
18	80	80	80	80	80	0.0	---	---	---	---	---	---
19	80	80	80	80	80	0.0	---	---	---	---	---	---
20	80	80	80	80	80	0.0	---	---	---	---	---	---
21	80	80	80	80	80	0.0	---	---	---	---	---	---
22	80	80	80	80	80	0.0	---	---	---	---	---	---
23	80	80	80	80	80	0.0	---	---	---	---	---	---
24	80	80	80	80	80	0.0	---	---	---	---	---	---
25	80	80	80	80	80	0.0	---	---	---	---	---	---
26	80	80	80	80	80	0.0	---	---	---	---	---	---
27	80	80	80	80	80	0.0	---	---	---	---	---	---
28	80	80	80	80	80	0.0	---	---	---	---	---	---
29	80	80	80	80	80	0.0	---	---	---	---	---	---
30	80	80	80	---	80	0.0	---	---	---	---	---	---
31	---	80	80	---	80	---	---	---	---	---	---	---
TOTAL	2400	2480	2480	2320	2480	320						
MEAN	80	80	80	80	80	11						
MAX	80	80	80	80	80	80						
MIN	80	80	80	80	80	0.0						
AC-FT	4760	4919	4919	4602	4919	635						

IRRIGATION YEAR 2004 TOTAL 12480 MEAN 34 AC-FT 24754

Pace, Pamela

From: Campbell, Mike D [MikeCampbell@idahopower.com]
Sent: Friday, June 04, 2004 10:30 AM
To: Jim Doty (E-mail); Jennifer Coleman (E-mail); Pam Pace (E-mail)
Subject: Boise near Middleton Measurement Result

We made a measurement at Boise near Middleton today at 0900. Discharge was 384 cfs, GH 1.39 ft. The resulting shift was $-.27$ ft. There was also a gage height correction of $-.27$ ft. In other words, the data logger was reading 0.27 ft high when compared to the outside gage. Give me a call Monday if you have a question...Thanks, Mike

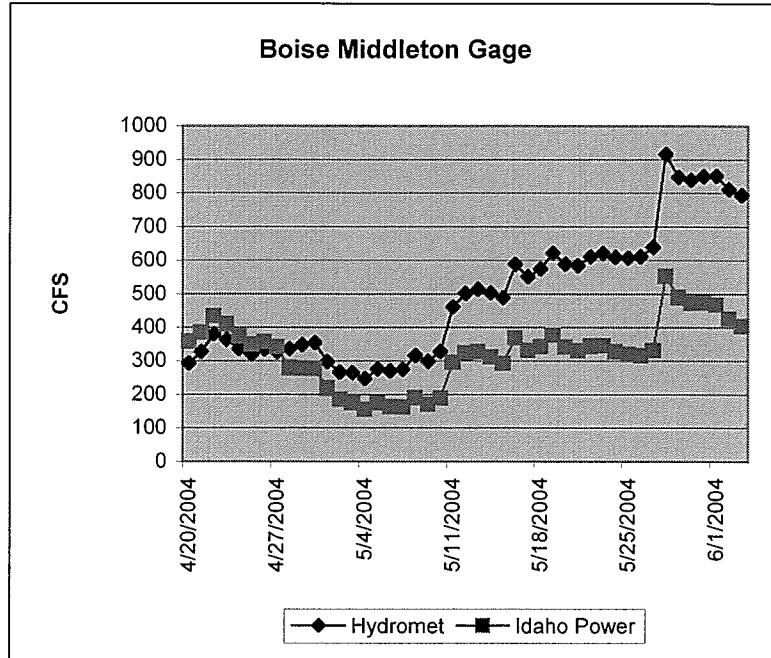
Mike Campbell
Water Management Department
Idaho Power Company
(208) 388-2473
(208) 870-5126 (Cell)
(208) 388-6495 (FAX)

[INFO] -- Access Manager:

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Boise Middleton Gage

	Hydromet	Idaho Power
20-Apr-04	293.43	359
21-Apr-04	327.31	386
22-Apr-04	379.67	435
23-Apr-04	363.62	410
24-Apr-04	335.75	373
25-Apr-04	320.36	350
26-Apr-04	334.51	357
27-Apr-04	326.92	342
28-Apr-04	336.5	280
29-Apr-04	348.87	279
30-Apr-04	354.48	277
1-May-04	298.11	219
2-May-04	266.75	185
3-May-04	264.22	176
4-May-04	247.75	156
5-May-04	275.66	175
6-May-04	270.04	164
7-May-04	275.15	162
8-May-04	315.96	191
9-May-04	299.28	171
10-May-04	328.43	189
11-May-04	461	296
12-May-04	501.89	325
13-May-04	514.16	329
14-May-04	503.31	312
15-May-04	489.15	293
16-May-04	588.03	370
17-May-04	552.23	332
18-May-04	574.99	344
19-May-04	621.69	377
20-May-04	588.94	342
21-May-04	584.45	330
22-May-04	610.86	345
23-May-04	620.7	346
24-May-04	609.1	329
25-May-04	607.77	321
26-May-04	611.59	317
27-May-04	639.17	332
28-May-04	915.79	554
29-May-04	848.54	490
30-May-04	839.13	473
31-May-04	849.84	475
1-Jun-04	851.58	468
2-Jun-04	811.47	427
3-Jun-04	794.21	405

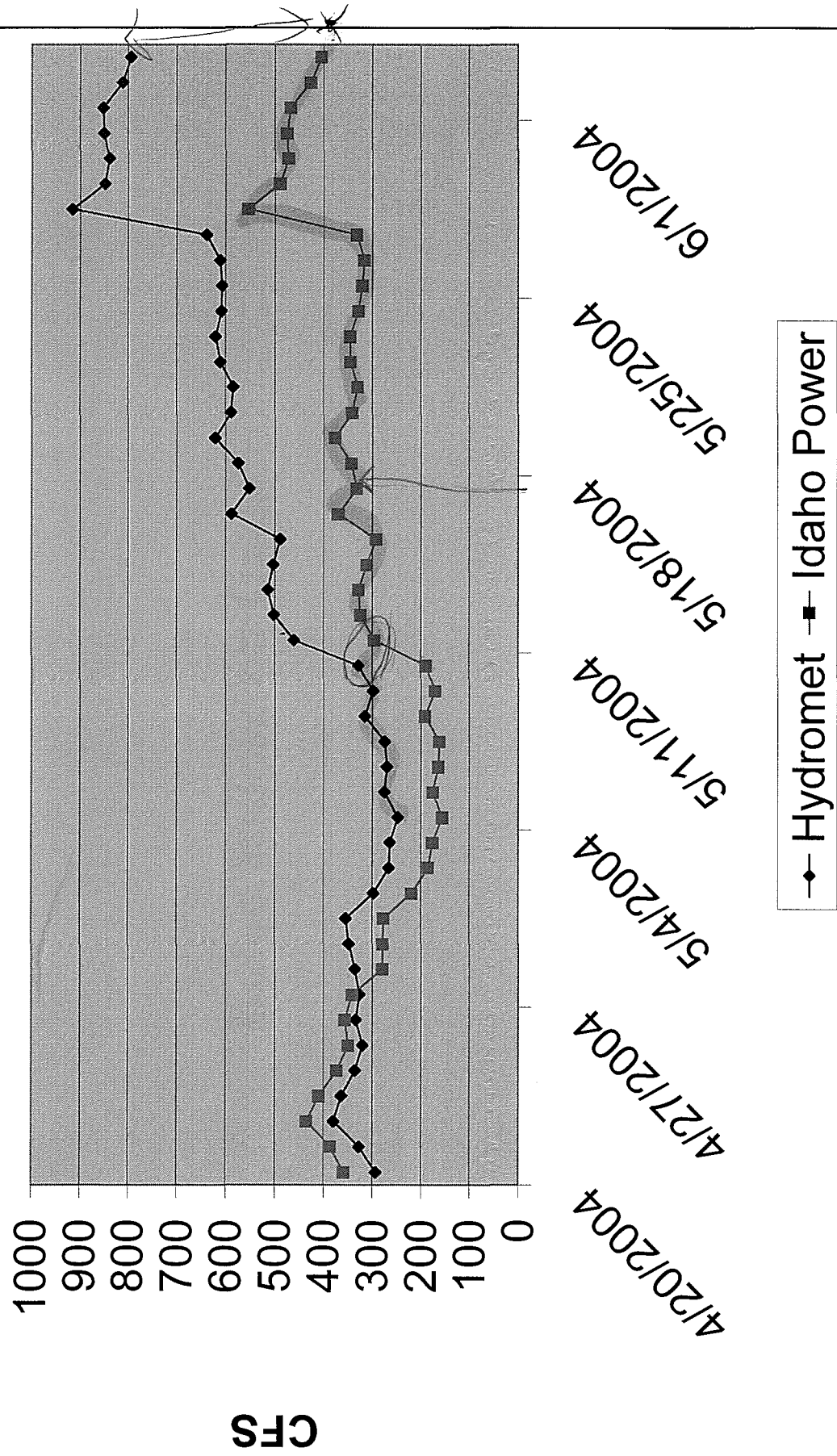


13210050 BOISE RIVER NEAR MIDDLETON
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	289	306	366	449	1181	328	298	468	---	---	---	---
2	300	297	381	438	768	318	267	427	---	---	---	---
3	312	302	365	444	435	282	264	405	---	---	---	---
4	306	294	360	434	417	239	248	---	---	---	---	---
5	293	294	358	416	409	545	276	---	---	---	---	---
6	284	299	370	402	386	546	270	---	---	---	---	---
7	289	315	373	417	375	768	275	---	---	---	---	---
8	288	318	395	405	375	695	316	---	---	---	---	---
9	278	303	400	402	377	635	299	---	---	---	---	---
10	288	301	400	381	388	583	328	---	---	---	---	---
11	298	307	392	364	422	530	296	---	---	---	---	---
12	350	320	389	364	384	474	325	---	---	---	---	---
13	297	362	379	361	383	443	329	---	---	---	---	---
14	290	341	376	354	389	430	312	---	---	---	---	---
15	267	327	372	357	391	420	293	---	---	---	---	---
16	271	319	368	366	385	381	370	---	---	---	---	---
17	321	311	366	471	385	295	332	---	---	---	---	---
18	297	318	360	501	386	275	344	---	---	---	---	---
19	286	318	365	510	385	280	377	---	---	---	---	---
20	289	318	360	524	378	293	342	---	---	---	---	---
21	291	316	363	1039	377	327	330	---	---	---	---	---
22	284	316	371	1063	379	380	345	---	---	---	---	---
23	284	314	366	1081	384	364	346	---	---	---	---	---
24	288	344	376	1182	384	336	329	---	---	---	---	---
25	292	375	374	1202	372	320	321	---	---	---	---	---
26	288	346	373	1228	385	335	317	---	---	---	---	---
27	283	332	368	1214	374	327	332	---	---	---	---	---
28	285	329	400	1198	367	337	554	---	---	---	---	---
29	309	352	546	1191	355	349	490	---	---	---	---	---
30	309	390	534	---	334	355	473	---	---	---	---	---
31	---	358	482	---	340	---	475	---	---	---	---	---
TOTAL	8806	10042	12048	18758	13048	12187	10473	1300				
MEAN	294	324	389	647	421	406	338	433				
MAX	350	390	546	1228	1181	768	554	468				
MIN	267	294	358	354	334	239	248	405				
AC-FT	17467	19918	23897	37206	25880	24172	20774	2579				
IRRIGATION YEAR 2004 TOTAL 86662 MEAN 237 AC-FT 171893												

*Idaho
River Data*

Boise Middleton Gage





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Selected Station: 13210050 - Boise River nr Middleton, Id (BOMI) Station #13210050 Data Quality-assured up to: Oct. 1, 2003 All others are provisional	From: Apr. 2004 SET S M T W T F S 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8	To: June 2004 SET S M T W T F S 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10
Select Another Station	Refresh Dates	?

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Flow		
04/20/2004 through 06/03/2004		
Date	Avg Flow (cfs)	Flag
04/20/2004	359.0	
04/21/2004	386.0	
04/22/2004	435.0	
04/23/2004	410.0	
04/24/2004	373.0	
04/25/2004	350.0	
04/26/2004	357.0	
04/27/2004	342.0	
04/28/2004	280.0	
04/29/2004	279.0	
04/30/2004	277.0	
05/01/2004	219.0	
05/02/2004	185.0	
05/03/2004	176.0	
05/04/2004	156.0	
05/05/2004	175.0	
05/06/2004	164.0	
05/07/2004	162.0	
05/08/2004	191.0	
05/09/2004	171.0	

05/10/2004	189.0
05/11/2004	296.0
05/12/2004	325.0
05/13/2004	329.0
05/14/2004	312.0
05/15/2004	293.0
05/16/2004	370.0
05/17/2004	332.0
05/18/2004	344.0
05/19/2004	377.0
05/20/2004	342.0
05/21/2004	330.0
05/22/2004	345.0
05/23/2004	346.0
05/24/2004	329.0
05/25/2004	321.0
05/26/2004	317.0
05/27/2004	332.0
05/28/2004	554.0
05/29/2004	490.0
05/30/2004	473.0
05/31/2004	475.0
06/01/2004	468.0
06/02/2004	427.0
06/03/2004	405.0

*use
this
data*

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STO-0000-28673952817

Hydromet w/o shift

13210050F200406 1QD	851.58
13210050F200406 2QD	811.47
13210050F200406 3QD	794.21
13210050F200406 4QD	637.33
13210050F200406 5QD	590.61
13210050F200406 6QD	594.19
13210050F200406 7QD	576.16
13210050F200406 8QD	561.35
13210050F200406 9QD	554.62
13210050F20040610QD	576.48
13210050F20040611QD	594.74
13210050F20040612QD	608.47
13210050F20040613QD	632.82
13210050F20040614QD	607.57
13210050F20040615QD	591.89
13210050F20040616QD	644.17
13210050F20040617QD	597.33
13210050F20040618QD	561.70
13210050F20040619QD	579.07
13210050F20040620QD	599.90
13210050F20040621QD	670.61
13210050F20040622QD	969.55
13210050F20040623QD	966.87
13210050F20040624QD	937.97
13210050F20040625QD	1063.23
13210050F20040626QD	1047.66
13210050F20040627QD	1001.99
13210050F20040628QD	1110.80



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Selected Station: 13210050 - Boise River nr Middleton, Id (BOMI) Station #13210050 Data Quality-assured up to: Oct. 1, 2003 All others are provisional	From: June ▼ ▲ 2004 ▼ SET <table border="1" style="width: 100%; text-align: center;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> </table>	S	M	T	W	T	F	S	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	To: June ▼ ▲ 2004 ▼ SET <table border="1" style="width: 100%; text-align: center;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> </table>	S	M	T	W	T	F	S	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	Refresh Dates ?
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PROVISIONAL AND SUBJECT TO REVISION

Flow		
06/01/2004 through 06/30/2004		
Date	Avg Flow (cfs)	Flag
06/01/2004	483.0	
06/02/2004	442.0	
06/03/2004	422.0	
06/04/2004	387.0	
06/05/2004	385.0	
06/06/2004	389.0	
06/07/2004	373.0	
06/08/2004	360.0	
06/09/2004	356.0	
06/10/2004	373.0	
06/11/2004	389.0	
06/12/2004	401.0	
06/13/2004	423.0	
06/14/2004	401.0	
06/15/2004	386.0	
06/16/2004	432.0	
06/17/2004	392.0	
06/18/2004	360.0	

Entered
Into
history
6/29/04

06/19/2004	375.0
06/20/2004	394.0
06/21/2004	455.0
06/22/2004	723.0
06/23/2004	722.0
06/24/2004	696.0
06/25/2004	809.0
06/26/2004	796.0
06/27/2004	754.0
06/28/2004	853.0
6/29	905
6/30	1082

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STO-0000-42861574888

Evap. Estimate

	6/17/02	10/31/02	Δ
Anderson	2023.2	5270.0	3246.8
Arrowrock	2001.7	3594.7	1593.0
Lucky Peak	1830.9	4136.9	2306.0

	6/16/00	10/31/00	
Anderson	3629.0	8316.9	4687.9
Arrowrock	2585.5	4308.0	1722.5
Lucky Peak	2277.8	5446.7	3168.9
	6/17/92	10/31/92	

	6/17/04			
Anderson	3217.2	+ ~4000	=	7200
Arrowrock	1984.5	+ ~1700	=	3700
Lucky Peak	2143.7	+ ~2700	=	4800

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

	Date:	16-Jun-04
Supply:		
Accounted for storage		890935.2
Unaccounted for storage		27685.4
Late season fill		
Total Storage Available		918620.6
Use:		
Canals and pumps		1464.2
Stored flow passing Middleton		
Endangered species		
Flood Release		
Operational Flow		11715.0
Release due to Arrowrock Construction		19963.0
Total Passing Middleton	(107235.0-24754-50803)	31678.0
Evaporation		7176.2
Fish and Game		
USBR Streamflow		
Total Storage Used		40318.4
Net Storage		878302.2
Actual Storage	(840137+39,960)	880097.0
Averaging Error		-1794.8

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

	Date:	16-Jun-04 Restart
Supply:		
Accounted for storage		898657.6
Unaccounted for storage		0.0
Late season fill		
Total Storage Available		898657.6
Use:		
Canals and pumps		1464.2
Stored flow passing Middleton		
Endangered species		
Flood Release		
Operational Flow		11715.0
Release due to Arrowrock Construction		
Total Passing Middleton		11715.0
Evaporation		7176.2
Fish and Game		
USBR Streamflow		
Total Storage Used		20355.4
Net Storage		878302.2
Actual Storage	(840137+39,960)	880097.0
Averaging Error		-1794.8

Unaccounted for storage is flood control water without a right. This is added to Anderson Ranch for the restart.

19,963 Acre-Feet is stored flow released due to Arrowrock valve construction.

Reservoir storage is reset as follows:

Arrowrock - 252,261 Acre-Feet (full - 19,963)

Anderson Ranch - 382026.6 Acre-Feet (Fill + Unaccounted)

Lucky Peak - 264,370 AF (full)

20040714

TABLE 1. 2004 BOISE RIVER STORED WATER BY RESERVOIR
(ACRE-FEET)

RESERVOIR	SPACE	FILL	EVAPORATION	YIELD
ARROWROCK	272224.0	252261.0	3700.0	248561.0
ANDERSON RANCH	413770.4	382026.6	7200.0	374826.6
LUCKY PEAK	207531.0	207531.0	3770.0	203761.0
ANDERSON LST FIL	36259.6	0.0	0.0	0.0
LUCKY PEAK LST FIL	56839.0	56839.0	1030.0	55809.0
TOTAL	986624.0	898657.6	15700.0	882957.6

TABLE 2. 2004 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL
13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0
13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0
13201991	USBR INSTREAM	0.0	0.0	86513.0	0.0	16577.8	103090.8
13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0
13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0
13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0
13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0
13204060	ROSSI MILL	0.0	0.0	700.0	0.0	0.0	700.0
13204190	BOISE CITY	0.0	0.0	1000.0	0.0	0.0	1000.0
13204200	UNITED WATER	0.0	1000.0	800.0	0.0	0.0	1800.0
13205515	SETTLERS	2668.0	5675.0	10000.0	0.0	0.0	18343.0
13205517	DAVIS	0.0	0.0	1500.0	0.0	0.0	1500.0
13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0
13205640	FARMERS UNION	2779.0	5593.0	10000.0	0.0	0.0	18372.0
13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0
13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0
13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0
13206092	NEW UNION	0.0	0.0	1400.0	0.0	0.0	1400.0
13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0
13208710	MIDDLETON	0.0	0.0	11000.0	0.0	0.0	11000.0
13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0
13209482	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0
13209630	LITTLE PIONEER	0.0	2123.0	500.0	0.0	0.0	2623.0
13209990	CANYON COUNTY	0.0	0.0	6000.0	0.0	0.0	6000.0
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0
99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0
99999080	ANDSN UNCONTRACTED	0.0	696.4	0.0	36259.6	0.0	36956.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	40261.2	40261.2
99999100	EAGLE IS CANALS	0.0	0.0	1718.0	0.0	0.0	1718.0
	TOTAL	272224.0	413770.4	207531.0	36259.6	56839.0	986624.0

TABLE 3. 2004 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	ARROWROCK	*-----ANDERSON RANCH-----*			*-----LUCKY PEAK-----*		
		STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILL	STORAGE
13189600	TRINITY SPRINGS	0.0	777.5	22.5	800.0	0.0	0.0	0.0
13201050	LUCKY PEAK NURSERY	176.1	0.0	0.0	0.0	0.0	0.0	0.0
13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	46007.0	3993.0	50000.0
13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	75630.8	10882.2	86513.0
13203000	NEW YORK	223624.2	132864.0	206114.3	338978.3	0.0	0.0	0.0
13203527	SURPRIS VY/MICRON	0.0	2915.5	84.5	3000.0	0.0	0.0	0.0
13203760	RIDENBAUGH	3515.8	0.0	8668.4	8668.4	0.0	0.0	0.0
13204005	BUBB	0.0	311.7	219.3	531.0	0.0	0.0	0.0
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	580.4	119.6	700.0
13204190	BOISE CITY	0.0	0.0	0.0	0.0	918.6	81.4	1000.0
13204200	UNITED WATER	0.0	879.5	120.5	1000.0	786.9	13.1	800.0
13205515	SETTLERS	2472.3	3672.8	2002.2	5675.0	9836.1	163.9	10000.0
13205517	DAVIS	0.0	0.0	0.0	0.0	1377.2	122.8	1500.0
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	781.1	18.9	800.0
13205640	FARMERS UNION	2575.2	0.0	3279.1	3279.1	9560.1	439.9	10000.0
13205641	BOISE VALLEY	0.0	0.0	550.5	550.5	1200.5	1299.5	2500.0
13205643	CAPITOL VIEW	0.0	436.4	12.6	449.0	0.0	0.0	0.0
13206090	NEW DRY CREEK	0.0	894.7	371.3	1266.0	2950.8	49.2	3000.0
13206092	NEW UNION	0.0	0.0	0.0	0.0	622.6	777.4	1400.0
13206265	BALLENTYNE	0.0	258.9	108.1	367.0	1278.7	21.3	1300.0
13208710	MIDDLETON	0.0	0.0	0.0	0.0	7173.7	3826.3	11000.0
13209480	PHYLLIS	18835.4	0.0	14649.2	14649.2	8945.7	7054.3	16000.0
13209482	EUREKA #1	0.0	0.0	0.0	0.0	1169.2	1630.8	2800.0
13209630	LITTLE PIONEER	0.0	2059.6	63.4	2123.0	491.8	8.2	500.0
13209990	CANYON COUNTY	0.0	0.0	0.0	0.0	4104.5	1895.5	6000.0
13210992	SEBREE	1062.0	0.0	0.0	0.0	0.0	0.0	0.0
99999050	ANDERSON DAM POWER	0.0	5.9	0.1	6.0	0.0	0.0	0.0
99999080	ANDSN UNCONTRACTED	0.0	275.8	408.3	684.1	0.0	0.0	0.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99999100	EAGLE IS CANALS	0.0	0.0	0.0	0.0	1383.4	334.6	1718.0
TOTAL		252261.0	145352.3	236674.3	382026.6	174799.1	32731.9	207531.0

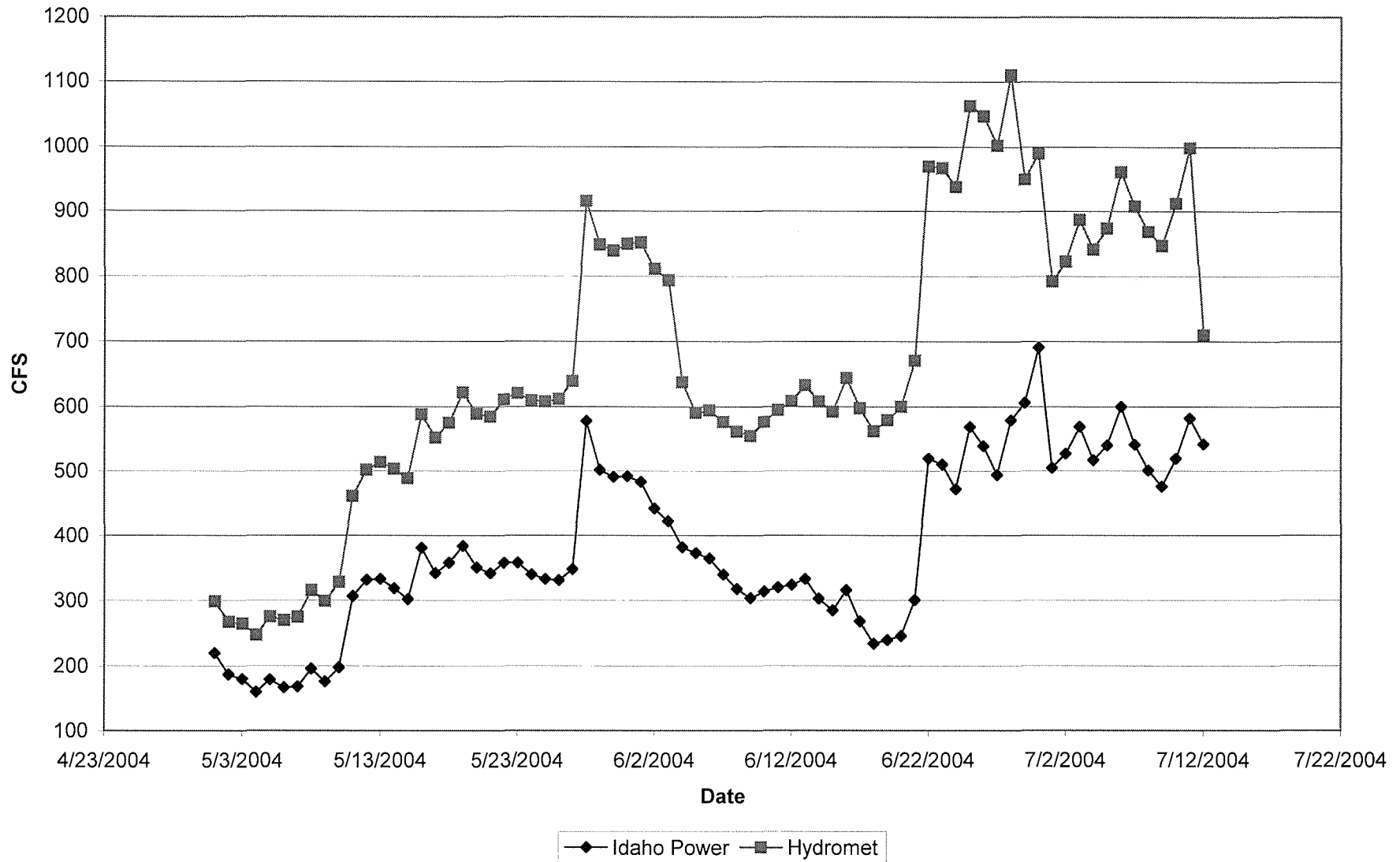
TABLE 3 (CONTINUED). 2004 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	*ANDERSON RANCH LAST FILL * CARRYOVER NEW FILL STORAGE	*-- LUCKY PEAK LAST FILL --* CARRYOVER NEW FILL STORAGE	*----- TOTAL -----*
13189600	TRINITY SPRINGS	0.0 0.0 0.0	0.0 0.0 0.0	777.5 22.5 800.0
13201050	LUCKY PEAK NURSERY	0.0 0.0 0.0	0.0 0.0 0.0	0.0 176.1 176.1
13201990	F&G INSTREAM	0.0 0.0 0.0	0.0 0.0 0.0	46007.0 3993.0 50000.0
13201991	USBR INSTREAM	0.0 0.0 0.0	0.0 16577.8 16577.8	75630.8 27460.0 103090.8
13203000	NEW YORK	0.0 0.0 0.0	0.0 0.0 0.0	132864.0 429738.5 562602.5
13203527	SURPRIS VY/MICRON	0.0 0.0 0.0	0.0 0.0 0.0	2915.5 84.5 3000.0
13203760	RIDENBAUGH	0.0 0.0 0.0	0.0 0.0 0.0	0.0 12184.1 12184.1
13204005	BUBB	0.0 0.0 0.0	0.0 0.0 0.0	311.7 219.3 531.0
13204060	ROSSI MILL	0.0 0.0 0.0	0.0 0.0 0.0	580.4 119.6 700.0
13204190	BOISE CITY	0.0 0.0 0.0	0.0 0.0 0.0	918.6 81.4 1000.0
13204200	UNITED WATER	0.0 0.0 0.0	0.0 0.0 0.0	1666.4 133.6 1800.0
13205515	SETTLERS	0.0 0.0 0.0	0.0 0.0 0.0	13508.9 4638.4 18147.3
13205517	DAVIS	0.0 0.0 0.0	0.0 0.0 0.0	1377.2 122.8 1500.0
13205622	THURMAN MILL	0.0 0.0 0.0	0.0 0.0 0.0	781.1 18.9 800.0
13205640	FARMERS UNION	0.0 0.0 0.0	0.0 0.0 0.0	9560.1 6294.3 15854.4
13205641	BOISE VALLEY	0.0 0.0 0.0	0.0 0.0 0.0	1200.5 1850.0 3050.5
13205643	CAPITOL VIEW	0.0 0.0 0.0	0.0 0.0 0.0	436.4 12.6 449.0
13206090	NEW DRY CREEK	0.0 0.0 0.0	0.0 0.0 0.0	3845.5 420.5 4266.0
13206092	NEW UNION	0.0 0.0 0.0	0.0 0.0 0.0	622.6 777.4 1400.0
13206265	BALLENTYNE	0.0 0.0 0.0	0.0 0.0 0.0	1537.6 129.4 1667.0
13208710	MIDDLETON	0.0 0.0 0.0	0.0 0.0 0.0	7173.7 3826.3 11000.0
13209480	PHYLLIS	0.0 0.0 0.0	0.0 0.0 0.0	8945.7 40538.9 49484.6
13209482	EUREKA #1	0.0 0.0 0.0	0.0 0.0 0.0	1169.2 1630.8 2800.0
13209630	LITTLE PIONEER	0.0 0.0 0.0	0.0 0.0 0.0	2551.4 71.6 2623.0
13209990	CANYON COUNTY	0.0 0.0 0.0	0.0 0.0 0.0	4104.5 1895.5 6000.0
13210992	SEBREE	0.0 0.0 0.0	0.0 0.0 0.0	0.0 1062.0 1062.0
99999050	ANDERSON DAM POWER	0.0 0.0 0.0	0.0 0.0 0.0	5.9 0.1 6.0
99999080	ANDSN UNCONTRACTED	0.0 0.0 0.0	0.0 0.0 0.0	275.8 408.3 684.1
99999090	USBR UNCONTRACTED	0.0 0.0 0.0	0.0 40261.2 40261.2	0.0 40261.2 40261.2
99999100	EAGLE IS CANALS	0.0 0.0 0.0	0.0 0.0 0.0	1383.4 334.6 1718.0
TOTAL		0.0 0.0 0.0	0.0 56839.0 56839.0	320151.4 578506.3 898657.6

TABLE 4. 2004 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL AFTER LOSS	
13189600	TRINITY SPRINGS	0.0	784.9	0.0	784.9	0.0	0.0	784.9	769.9
13201050	LUCKY PEAK NURSERY	173.5	0.0	0.0	173.5	0.0	0.0	173.5	170.2
13201990	F&G INSTREAM	0.0	0.0	49091.7	49091.7	0.0	0.0	49091.7	49091.7
13201991	USBR INSTREAM	0.0	0.0	101218.8	101218.8	0.0	0.0	101218.8	101218.8
13203000	NEW YORK	220344.2	332589.6	0.0	552933.9	0.0	0.0	552933.9	542372.8
13203527	SURPRIS VY/MICRON	0.0	2943.5	0.0	2943.5	0.0	0.0	2943.5	2887.2
13203760	RIDENBAUGH	3464.2	8505.0	0.0	11969.2	0.0	0.0	11969.2	11740.6
13204005	BUBB	0.0	521.0	0.0	521.0	0.0	0.0	521.0	511.0
13204060	ROSSI MILL	0.0	0.0	687.3	687.3	0.0	0.0	687.3	674.2
13204190	BOISE CITY	0.0	0.0	981.8	981.8	0.0	0.0	981.8	963.1
13204200	UNITED WATER	0.0	981.2	785.5	1766.6	0.0	0.0	1766.6	1732.9
13205515	SETTLERS	2436.1	5568.0	9818.3	17822.5	0.0	0.0	17822.5	17482.1
13205517	DAVIS	0.0	0.0	1472.8	1472.8	0.0	0.0	1472.8	1444.6
13205622	THURMAN MILL	0.0	0.0	785.5	785.5	0.0	0.0	785.5	770.5
13205640	FARMERS UNION	2537.4	3217.3	9818.3	15573.1	0.0	0.0	15573.1	15275.7
13205641	BOISE VALLEY	0.0	540.2	2454.6	2994.7	0.0	0.0	2994.7	2937.5
13205643	CAPITOL VIEW	0.0	440.5	0.0	440.5	0.0	0.0	440.5	432.1
13206090	NEW DRY CREEK	0.0	1242.1	2945.5	4187.6	0.0	0.0	4187.6	4107.7
13206092	NEW UNION	0.0	0.0	1374.6	1374.6	0.0	0.0	1374.6	1348.3
13206265	BALLENTYNE	0.0	360.1	1276.4	1636.5	0.0	0.0	1636.5	1605.2
13208710	MIDDLETON	0.0	0.0	10800.2	10800.2	0.0	0.0	10800.2	10593.9
13209480	PHYLLIS	18559.2	14373.1	15709.3	48641.6	0.0	0.0	48641.6	47712.5
13209482	EUREKA #1	0.0	0.0	2749.1	2749.1	0.0	0.0	2749.1	2696.6
13209630	LITTLE PIONEER	0.0	2083.0	490.9	2573.9	0.0	0.0	2573.9	2524.7
13209990	CANYON COUNTY	0.0	0.0	5891.0	5891.0	0.0	0.0	5891.0	5778.5
13210992	SEBREE	1046.4	0.0	0.0	1046.4	0.0	0.0	1046.4	1026.4
99999050	ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9	5.9
99999080	ANDSN UNCONTRACTED	0.0	671.2	0.0	671.2	0.0	0.0	671.2	671.2
99999090	USBR UNCONTRACTED	0.0	0.0	39531.6	39531.6	0.0	0.0	39531.6	39531.6
99999100	EAGLE IS CANALS	0.0	0.0	1686.8	1686.8	0.0	0.0	1686.8	1654.6
TOTAL		248561.0	374826.6	259570.0	882957.6	0.0	0.0	882957.6	869732.1

Boise River near Middleton



this Idaho Power Dat entered into Accounting

PRELIMINARY DATA

20040713

13210050 BOISE RIVER NR MIDDLETON
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
 MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	289	306	366	449	1181	328	220	483	505	---	---	---
2	300	297	381	438	768	318	187	442	527	---	---	---
3	312	302	365	444	435	282	180	422	569	---	---	---
4	306	294	360	434	417	239	160	382	517	---	---	---
5	293	294	358	416	409	545	179	373	540	---	---	---
6	284	299	370	402	386	546	167	365	600	---	---	---
7	289	315	373	417	375	768	168	340	541	---	---	---
8	288	318	395	405	375	695	196	318	501	---	---	---
9	278	303	400	402	377	635	176	304	476	---	---	---
10	288	301	400	381	388	583	198	314	519	---	---	---
11	298	307	392	364	422	530	307	320	582	---	---	---
12	350	320	389	364	384	474	332	324	553	---	---	---
13	297	362	379	361	383	443	333	333	---	---	---	---
14	290	341	376	354	389	430	319	303	---	---	---	---
15	267	327	372	357	391	420	302	285	---	---	---	---
16	271	319	368	366	385	381	381	316	---	---	---	---
17	321	311	366	471	385	295	342	268	---	---	---	---
18	297	318	360	501	386	275	358	234	---	---	---	---
19	286	318	365	510	385	280	384	240	---	---	---	---
20	289	318	360	524	378	293	351	246	---	---	---	---
21	291	316	363	1039	377	327	342	301	---	---	---	---
22	284	316	371	1063	379	380	358	519	---	---	---	---
23	284	314	366	1081	384	364	358	510	---	---	---	---
24	288	344	376	1182	384	336	340	472	---	---	---	---
25	292	375	374	1202	372	320	333	569	---	---	---	---
26	288	346	373	1228	385	335	331	539	---	---	---	---
27	283	332	368	1214	374	327	348	494	---	---	---	---
28	285	329	400	1198	367	337	578	579	---	---	---	---
29	309	352	546	1191	355	349	502	606	---	---	---	---
30	309	390	534	---	334	355	491	691	---	---	---	---
31	---	358	482	---	340	---	492	---	---	---	---	---
TOTAL	8806	10042	12048	18758	13048	12187	9713	11892	6430			
MEAN	294	324	389	647	421	406	313	396	536			
MAX	350	390	546	1228	1181	768	578	691	600			
MIN	267	294	358	354	334	239	160	234	476			
AC-FT	17467	19918	23897	37206	25880	24172	19266	23588	12754			

IRRIGATION YEAR 2004 TOTAL 102923 MEAN 281 AC-FT 204148

20040715

13210050 BOISE RIVER NEAR MIDDLETON
 STORED FLOW, CUBIC FEET/SECOND , IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	253	243	246	297	529	244	0.0	-363	255	---	---	---
2	253	240	248	301	246	245	0.0	-237	277	---	---	---
3	254	246	244	298	247	218	0.0	-318	319	---	---	---
4	247	246	245	297	246	169	-387	-737	267	---	---	---
5	245	244	286	299	246	288	-908	-1076	290	---	---	---
6	243	245	180	298	244	296	-963	-1185	350	---	---	---
7	243	245	291	299	246	518	-702	-484	276	---	---	---
8	243	244	300	300	246	445	-484	-25	276	---	---	---
9	244	246	299	306	244	385	-200	54	282	---	---	---
10	245	246	298	293	246	333	0.0	64	286	---	---	---
11	242	246	297	291	245	280	57	70	2919	---	---	---
12	243	248	297	292	246	224	82	74	2967	---	---	---
13	243	247	296	292	245	-325	83	83	---	---	---	---
14	244	247	296	292	243	-1025	69	53	---	---	---	---
15	238	246	298	295	245	-562	52	35	---	---	---	---
16	242	247	297	294	245	-117	131	66	---	---	---	---
17	243	247	296	289	244	45	92	18	---	---	---	---
18	243	247	296	283	245	25	108	0.0	---	---	---	---
19	242	247	296	269	246	30	134	0.0	---	---	---	---
20	242	247	295	418	246	43	101	0.0	---	---	---	---
21	243	246	297	949	245	77	92	51	---	---	---	---
22	243	246	296	945	245	130	108	269	---	---	---	---
23	244	246	295	1047	245	114	108	260	---	---	---	---
24	243	246	300	1108	245	86	90	222	---	---	---	---
25	243	245	300	1107	244	70	83	319	---	---	---	---
26	243	246	296	1105	247	85	81	289	---	---	---	---
27	244	245	297	1111	244	77	98	244	---	---	---	---
28	242	247	300	1106	245	87	-831	329	---	---	---	---
29	243	246	299	1107	245	99	-1418	356	---	---	---	---
30	243	246	298	---	245	105	-980	441	---	---	---	---
31	---	247	299	---	244	---	-634	---	---	---	---	---
TOTAL	7321	7617	8876	15586	7881	2685	-5935	-1128	18840			
MEAN	244	246	286	537	254	90	-191	-38	1570			
MAX	254	248	300	1111	529	518	134	441	2967			
MIN	238	240	180	269	243	-1025	-1418	-1185	255			
AC-FT	14521	15108	17606	30914	15633	5326	-11772	-2237	37369			

IRRIGATION YEAR 2004 TOTAL 61743 MEAN 169 AC-FT 122467

Start Flow Augmentation

2004 Boise River Flow Augmentation for USBR

Date	Stored Flow Middleton CFS	United Water CFS	Total CFS	Date	Stored Flow Middleton CFS	United Water CFS	Total CFS
21-Jun-04	51	46.21	97.21	9-Aug-04			0
22-Jun-04	269	46.21	315	10-Aug-04			0
23-Jun-04	260	46.21	306	11-Aug-04			0
24-Jun-04	222	46.21	268	12-Aug-04			0
25-Jun-04	319	46.21	365	13-Aug-04			0
26-Jun-04	289	46.21	335	14-Aug-04			0
27-Jun-04	244	46.21	290	15-Aug-04			0
28-Jun-04	329	46.21	375	16-Aug-04			0
29-Jun-04	356	46.21	402	17-Aug-04			0
30-Jun-04	441	46.21	487	18-Aug-04			0
1-Jul-04	255	46.21	301	19-Aug-04			0
2-Jul-04	277	46.21	323	20-Aug-04			0
3-Jul-04	319	46.21	365	21-Aug-04			0
4-Jul-04	267	46.21	313	22-Aug-04			0
5-Jul-04	290	46.21	336	23-Aug-04			0
6-Jul-04			0	24-Aug-04			0
7-Jul-04			0	25-Aug-04			0
8-Jul-04			0	26-Aug-04			0
9-Jul-04			0	27-Aug-04			0
10-Jul-04			0	28-Aug-04			0
11-Jul-04			0	29-Aug-04			0
12-Jul-04			0	30-Aug-04			0
13-Jul-04			0	31-Aug-04			0
14-Jul-04			0				
15-Jul-04			0				
16-Jul-04			0				
17-Jul-04			0				
18-Jul-04			0				
19-Jul-04			0				
20-Jul-04			0				
21-Jul-04			0				
22-Jul-04			0				
23-Jul-04			0				
24-Jul-04			0				
25-Jul-04			0				
26-Jul-04			0				
27-Jul-04			0				
28-Jul-04			0				
29-Jul-04			0				
30-Jul-04			0				
31-Jul-04			0				
1-Aug-04			0				
2-Aug-04			0				
3-Aug-04			0				
4-Aug-04			0				
5-Aug-04			0				
6-Aug-04			0				
7-Aug-04			0	Total (CFS)		693	4,881
8-Aug-04			0	Total(Acre-feet)		1,375	9,682

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

CHART NO. 7

NO. OF TRANSFER	POINT OF DIVERSION		DEPT. OF WATER ADMINISTRATION	PRIORITY		DATE OF TRANSFER	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
	FROM	TO		NO.	DATE					
736	THURMAN MILL	SETTLERS	63-0170	37	6-1-1868	3-9-1949	1.00	50	AIRCRAFT SERVICE CO.	
737	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	3-9-1949	1.10	55	W. W. HOWELL	
739	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-2-1949	.15	7.5	W. W. HOWELL	
733	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-14-1950	.46	23	J. R. FIELD	8" HAGER TRACT, 15" KIMBLE
754	CONSUMERS	MIDDLETON MILL	63-0161	30	5-1-1866	4-14-1950	.40	20	J. R. FIELD	BRINK TRACT
790	HILLCREST	NEW YORK	(63-0136	(8	9-1-1864	3-28-1952	21.54	1077	FOREST SOWER	
			(63-0137	(45	6-1-1869					
			(63-0233	(96	10-1-1887					
823	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	7-13-1954	6.00	300	G. S. TAYLOR	BOISE-RUMA IRRIGATION DIST
829	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	9-3-1954	.48	24	G. S. TAYLOR	10"-GOLDEN KENT, 14"-EDMAN
871	THURMAN MILL	SETTLERS	63-0169	36	6-1-1868	10-2-1956	.288	14.4	J. FRANK BRYCE	
872	THURMAN MILL	SETTLERS	63-0169	36	6-1-1868	10-2-1956	.22	11	GEORGE D. KEYSER, JR.	
873	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	10-2-1956	.20	10	G. S. TAYLOR	THEODORE L. JOHNSON TRACT
890	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-11-1957	.10	5	FRANCIS H. NEITZEL	R. S. POTTER TRACT
906	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-3-1958	.10	5	FRANK NEITZEL	R. W. WHITE TRACT
917	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-15-1958	.20	10	FRANCIS H. NEITZEL	MAN-SPRAQUE TRACT
918	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-15-1958	.025	1.25	FRANCIS H. NEITZEL	H. P. IRBY TRACT
940	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-15-1960	.05	2.5	FRANK NEITZEL	EARL M. & DELLA LUKEMART 1
976	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	1-17-1962	1.50	75	G. S. TAYLOR	SYDNEY FRUIT RANCH, INC.
977	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	1-17-1962	.20	10	G. S. TAYLOR	EVERET RAMBO TRACT
979	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-23-1962	.10	5	G. S. TAYLOR	R. E. & DAISY M. THOMPSON
980	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-23-1962	.12	6	G. S. TAYLOR	CHESNEY LITTLE TRACT
989	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	5-29-1962	.20	10	G. S. TAYLOR	THELSON E. CHRISTENSEN TRA
990	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-5-1962	.08	4	G. S. TAYLOR	LYLE F. TRAPP TRACT
991	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-5-1962	.16	8	G. S. TAYLOR	CHARLES G. HYDE TRACT
1007	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	4-17-1963	1.00	50	G. S. TAYLOR	GLENN DRAPER
1009	NEW DRY CREEK	DRAIN DITCH	63-0200	73-A	4-1-1880	5-16-1963	.10	5	NEW DRY CREEK	R. B. BETTY
1010	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	6-24-1963	2.00	100	G. S. TAYLOR	JOHN DOBSON
1011	CONSUMERS	RIVER	63-0161	30	5-1-1866	6-3-1963	3.00	150	G. S. TAYLOR	SURPRISE VALLEY FARMS
1017	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	9-28-1963	.60	30	G. S. TAYLOR	FRANCIS HERMAN TRACT
1035	CONSUMERS	MORES CREEK	63-0161	30	5-1-1866	9-4-1964	2.00	100	G. S. TAYLOR	CARL NICHOLSON
1038	CONSUMERS	PHYLLIS	63-0161	30	5-1-1866	10-28-1964	21.715	1085.75	G. S. TAYLOR	PIONEER IRRIGATION DIST.
1048	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	5-18-1965	.0875	4.38	BOISE CITY CANAL	LEATHERMAN & BINGHAM
1059	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	10-28-1965	.10	5	BOISE CITY CANAL	W. T. & HATTIE M. SPRINGER
1074	MORES CREEK	NEW YORK	63-0161	30	5-1-1866	10-13-1966	2.00	100	CARL NICHOLSON	AVALLON ORCHARD TRACTS
1835	MANNVILLE & LEONARD	FARMERS UNION	63-0164B	32	6-1-1866	11-17-1975	1.80	90.0	SYRINGA GARDENS	
2996	WARM SPRINGS DITCH	MACE MACE	63-0216	116	6-1-1889	8-5-1984	.80	40.0	L.C. MACE	
3326	GRAHAM GILBERT DITCH	BOISE RIVER	63-0144	12	6-1-1865	8-13-1987	2.37	118.5	JOHN WROTEN	
3373	THURMAN MILL	BOISE WATER CORP.	63-0169	36	6-1-1868	12-02-1987	.814	40.7	BOISE WATER CORP.	TO RAWLEY COLLECTORS
3599	BOISE CITY CANAL	BOISE WATER CORP.	63-0165	33	6-1-1866	10-12-1988	2.025	101.25	BOISE CITY CANAL	TO RAWLEY COLLECTORS
3918	South Boise Water Co.	Douglas Ladd	63-0148	16	6-1-1865	4-1-1992	.02	1	South Boise Water Co.	To Johnson Creek
4048	South Boise Mutual Irr. Co.	Boise Water Corp.	63-0243	110	5-1-1889	10-21-1992	.93	46.5	South Boise Mutual Irr. Co.	To Ramsey Collectors
5084	South Boise Water Co.	Elk Creek	63-00148D	16	6-1-1865	4-12-1999	0.05	2.5	South Boise Water Co.	Elk Creek
5119	Boise Valley Ditch Co.	Simplot/Micron Pump	63-00147B	15	6-1-1865	2-4-1998	3.97	198.5	Boise Valley Ditch Co.	Simplot/Micron Pump
5273	Nampa Meridian Irr. Dist.	Simplot/Micron Pump	63-00199B	67	5-1-1878	1-27-2000	3.20	160.0	Nampa Meridian Irr. Dist.	Simplot/Micron Pump
			63-00200B	106	8-20-1888	1-27-2000	6.80	340.0	Nampa Meridian Irr. Dist.	Simplot/Micron Pump

2d Prior to July 2004

13203527	SURPRIS VY/MICRN	18650601	6.684	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18660501	4.182	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18650601	1.670	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18660501	1.045	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18650601	2.785	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18660501	1.743	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	19970606	15.000	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	19970606	15.000	DIVSN DAM TO BOISE
	TOTAL		48.109	
13203715	SHAKESPEARE	18650601	0.660	DIVSN DAM TO BOISE
13203715	SHAKESPEARE	18650601	0.165	DIVSN DAM TO BOISE
13203715	SHAKESPEARE	18650601	0.275	DIVSN DAM TO BOISE
	TOTAL		1.100	

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NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13203760	RIDENBAUGH	10000101	1.800	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	10000101	1.027	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18640601	0.120	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18650401	0.480	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18700401	0.480	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18770601	0.240	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18780501	99.840	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18880820	213.084	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18950501	0.600	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18640601	0.030	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18650401	0.120	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18700401	0.120	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18770601	0.060	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18780501	24.960	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18880820	53.271	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18950501	0.150	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18640601	0.050	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18650401	0.200	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18700401	0.200	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18770601	0.100	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18780501	41.600	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18880820	88.785	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18950501	0.250	DIVSN DAM TO BOISE
	TOTAL		527.567	
13204005	BUBB	10000101	1.125	DIVSN DAM TO BOISE
13204005	BUBB	18650401	1.080	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.300	DIVSN DAM TO BOISE
13204005	BUBB	18700601	0.600	DIVSN DAM TO BOISE
13204005	BUBB	18890301	0.504	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.036	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.012	DIVSN DAM TO BOISE
13204005	BUBB	18890501	1.440	DIVSN DAM TO BOISE
13204005	BUBB	18890501	1.062	DIVSN DAM TO BOISE
13204005	BUBB	18890501	1.764	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.030	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.060	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.018	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.270	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.075	DIVSN DAM TO BOISE
13204005	BUBB	18700601	0.150	DIVSN DAM TO BOISE
13204005	BUBB	18890301	0.126	DIVSN DAM TO BOISE

13204005	BUBB	18890501	0.009	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.003	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.360	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.266	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.441	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.008	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.015	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.005	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.450	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.125	DIVSN DAM TO BOISE
13204005	BUBB	18700601	0.250	DIVSN DAM TO BOISE
13204005	BUBB	18890301	0.210	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.015	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.005	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.600	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.443	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.735	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.013	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.025	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.007	DIVSN DAM TO BOISE
13204005	BUBB	19050401	3.240	DIVSN DAM TO BOISE
13204005	BUBB	19050401	0.810	DIVSN DAM TO BOISE
13204005	BUBB	19050401	1.350	DIVSN DAM TO BOISE
	TOTAL		18.037	

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NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13204015	HERRICK	18890501	0.108	DIVSN DAM TO BOISE
13204015	HERRICK	18890501	0.027	DIVSN DAM TO BOISE
13204015	HERRICK	18890501	0.045	DIVSN DAM TO BOISE
	TOTAL		0.180	
13204020	MEEVES	10000101	0.150	DIVSN DAM TO BOISE
13204020	MEEVES	18710601	1.080	DIVSN DAM TO BOISE
13204020	MEEVES	18710601	0.270	DIVSN DAM TO BOISE
13204020	MEEVES	18710601	0.450	DIVSN DAM TO BOISE
	TOTAL		1.950	
13204060	ROSSI MILL	10000101	0.750	DIVSN DAM TO BOISE
13204060	ROSSI MILL	18650601	5.910	DIVSN DAM TO BOISE
13204060	ROSSI MILL	18650601	1.490	DIVSN DAM TO BOISE
13204060	ROSSI MILL	18650601	2.480	DIVSN DAM TO BOISE
	TOTAL		10.630	
13204190	BOISE CITY	10000101	3.010	DIVSN DAM TO BOISE
13204190	BOISE CITY	18660601	20.610	DIVSN DAM TO BOISE
13204190	BOISE CITY	18660601	5.152	DIVSN DAM TO BOISE
13204190	BOISE CITY	18660601	8.587	DIVSN DAM TO BOISE
	TOTAL		37.359	
13204200	UNITED WATER	18660601	0.408	DIVSN DAM TO BOISE
13204200	UNITED WATER	18680601	0.486	DIVSN DAM TO BOISE
13204200	UNITED WATER	18890501	2.538	DIVSN DAM TO BOISE
13204200	UNITED WATER	18660601	0.102	DIVSN DAM TO BOISE
13204200	UNITED WATER	18890501	0.635	DIVSN DAM TO BOISE
13204200	UNITED WATER	18660601	0.170	DIVSN DAM TO BOISE
13204200	UNITED WATER	18890501	1.057	DIVSN DAM TO BOISE
13204200	UNITED WATER	19850401	2.400	DIVSN DAM TO BOISE
13204200	UNITED WATER	19930908	24.800	DIVSN DAM TO BOISE

TOTAL			32.596	
13205515	SETTLERS	18640601	0.120	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.252	BOISE TO GLENWOOD BR
13205515	SETTLERS	18660501	9.250	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.305	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.600	BOISE TO GLENWOOD BR
13205515	SETTLERS	18770601	0.270	BOISE TO GLENWOOD BR
13205515	SETTLERS	18780501	0.240	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.240	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.432	BOISE TO GLENWOOD BR
13205515	SETTLERS	18830401	0.600	BOISE TO GLENWOOD BR
13205515	SETTLERS	18841017	59.436	BOISE TO GLENWOOD BR
13205515	SETTLERS	18910601	44.064	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.030	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.063	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.076	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.150	BOISE TO GLENWOOD BR
13205515	SETTLERS	18770601	0.068	BOISE TO GLENWOOD BR
13205515	SETTLERS	18780501	0.060	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.060	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.108	BOISE TO GLENWOOD BR
13205515	SETTLERS	18830401	0.150	BOISE TO GLENWOOD BR
13205515	SETTLERS	18841017	14.859	BOISE TO GLENWOOD BR
13205515	SETTLERS	18910601	11.016	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.050	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.105	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.127	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.250	BOISE TO GLENWOOD BR
13205515	SETTLERS	18770601	0.112	BOISE TO GLENWOOD BR
13205515	SETTLERS	18780501	0.100	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.100	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.180	BOISE TO GLENWOOD BR
13205515	SETTLERS	18830401	0.250	BOISE TO GLENWOOD BR
13205515	SETTLERS	18841017	24.765	BOISE TO GLENWOOD BR
13205515	SETTLERS	18910601	18.360	BOISE TO GLENWOOD BR
TOTAL			186.848	

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NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13205517	DAVIS	18860601	8.040	BOISE TO GLENWOOD BR
13205517	DAVIS	18910601	0.324	BOISE TO GLENWOOD BR
13205517	DAVIS	18860601	2.010	BOISE TO GLENWOOD BR
13205517	DAVIS	18910601	0.081	BOISE TO GLENWOOD BR
13205517	DAVIS	18860601	3.350	BOISE TO GLENWOOD BR
13205517	DAVIS	18910601	0.135	BOISE TO GLENWOOD BR
TOTAL			13.940	
13205613	BOISE CITY PARKS	18660601	1.020	BOISE TO GLENWOOD BR
13205613	BOISE CITY PARKS	18660601	0.255	BOISE TO GLENWOOD BR
13205613	BOISE CITY PARKS	18660601	0.425	BOISE TO GLENWOOD BR
TOTAL			1.700	
13205622	THURMAN MILL	10000101	11.420	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18640601	1.980	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.720	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.396	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	7.667	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	1.620	BOISE TO GLENWOOD BR

13205622	THURMAN MILL	18690601	0.960	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.420	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.840	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18760601	0.264	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18800601	1.440	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18801020	0.540	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.540	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.360	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	1.320	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.900	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18830601	0.540	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18950701	0.396	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18640601	0.495	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.180	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.099	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	1.916	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	0.405	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18690601	0.240	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.105	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.210	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18760601	0.066	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18800601	0.360	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18801020	0.135	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.135	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.090	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.330	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18830601	0.135	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18950701	0.099	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18640601	0.825	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.300	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.165	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	3.195	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	0.675	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18690601	0.400	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.175	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.350	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18760601	0.110	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18800601	0.600	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18801020	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.150	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.550	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.375	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18830601	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18950701	0.165	BOISE TO GLENWOOD BR
	TOTAL		46.258	

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NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13205640	FARMERS UNION	10000101	22.790	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	1.080	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	13.000	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.059	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	1.080	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	1.012	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18710601	0.157	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18770601	1.870	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18910601	0.046	BOISE TO GLENWOOD BR

13205640	FARMERS UNION	18940702	66.000	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.270	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.015	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.270	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.253	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18710601	0.039	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18770601	0.467	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18910601	0.012	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	16.500	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.450	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.025	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.450	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.421	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18710601	0.066	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18770601	0.779	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18910601	0.019	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	27.500	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	32.676	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	8.169	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	13.615	BOISE TO GLENWOOD BR
	TOTAL		209.090	
13205641	BOISE VALLEY	10000101	10.030	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	18650601	29.826	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	18650601	7.457	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	18650601	12.427	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	19210719	1.200	BOISE TO GLENWOOD BR
	TOTAL		60.940	

13203527	SURPRIS VY/MICRN	18650601	2.382	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18660501	2.820	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18780501	1.920	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18880820	4.080	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18650601	0.595	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18780501	0.480	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18880820	1.020	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18650601	0.993	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18780501	0.800	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	18880820	1.700	DIVSN DAM TO BOISE
13203527	SURPRIS VY/MICRN	19970606	15.000	DIVSN DAM TO BOISE
	TOTAL		31.790	

1

NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13203715	SHAKESPEARE	18650601	0.186	DIVSN DAM TO BOISE
13203715	SHAKESPEARE	18650601	0.047	DIVSN DAM TO BOISE
13203715	SHAKESPEARE	18650601	0.077	DIVSN DAM TO BOISE
	TOTAL		0.310	
13203760	RIDENBAUGH	10000101	1.800	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	10000101	1.027	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18640601	0.120	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18650401	0.480	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18700401	0.480	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18770601	0.240	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18780501	99.840	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18880820	213.084	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18950501	0.600	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18640601	0.030	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18650401	0.120	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18700401	0.120	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18770601	0.060	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18780501	24.960	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18880820	53.271	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18950501	0.150	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18640601	0.050	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18650401	0.200	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18700401	0.200	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18770601	0.100	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18780501	41.600	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18880820	88.785	DIVSN DAM TO BOISE
13203760	RIDENBAUGH	18950501	0.250	DIVSN DAM TO BOISE
	TOTAL		527.567	
13204005	BUBB	10000101	1.125	DIVSN DAM TO BOISE
13204005	BUBB	18650401	1.080	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.300	DIVSN DAM TO BOISE
13204005	BUBB	18700601	0.600	DIVSN DAM TO BOISE
13204005	BUBB	18890301	0.504	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.036	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.012	DIVSN DAM TO BOISE
13204005	BUBB	18890501	1.440	DIVSN DAM TO BOISE
13204005	BUBB	18890501	1.062	DIVSN DAM TO BOISE
13204005	BUBB	18890501	1.764	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.030	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.060	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.018	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.270	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.075	DIVSN DAM TO BOISE
13204005	BUBB	18700601	0.150	DIVSN DAM TO BOISE
13204005	BUBB	18890301	0.126	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.009	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.003	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.360	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.266	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.441	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.008	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.015	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.005	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.450	DIVSN DAM TO BOISE
13204005	BUBB	18650401	0.125	DIVSN DAM TO BOISE
13204005	BUBB	18700601	0.250	DIVSN DAM TO BOISE
13204005	BUBB	18890301	0.210	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.015	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.005	DIVSN DAM TO BOISE

13204005	BUBB	18890501	0.600	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.443	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.735	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.013	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.025	DIVSN DAM TO BOISE
13204005	BUBB	18890501	0.007	DIVSN DAM TO BOISE
13204005	BUBB	19050401	3.240	DIVSN DAM TO BOISE
13204005	BUBB	19050401	0.810	DIVSN DAM TO BOISE
13204005	BUBB	19050401	1.350	DIVSN DAM TO BOISE
	TOTAL		18.037	

NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13204015	HERRICK	18890501	0.108	DIVSN DAM TO BOISE
13204015	HERRICK	18890501	0.027	DIVSN DAM TO BOISE
13204015	HERRICK	18890501	0.045	DIVSN DAM TO BOISE
	TOTAL		0.180	
13204020	MEEVES	10000101	0.150	DIVSN DAM TO BOISE
13204020	MEEVES	18710601	1.080	DIVSN DAM TO BOISE
13204020	MEEVES	18710601	0.270	DIVSN DAM TO BOISE
13204020	MEEVES	18710601	0.450	DIVSN DAM TO BOISE
	TOTAL		1.950	
13204060	ROSSI MILL	10000101	0.750	DIVSN DAM TO BOISE
13204060	ROSSI MILL	18650601	5.910	DIVSN DAM TO BOISE
13204060	ROSSI MILL	18650601	1.490	DIVSN DAM TO BOISE
13204060	ROSSI MILL	18650601	2.480	DIVSN DAM TO BOISE
	TOTAL		10.630	
13204190	BOISE CITY	10000101	3.010	DIVSN DAM TO BOISE
13204190	BOISE CITY	18660601	20.610	DIVSN DAM TO BOISE
13204190	BOISE CITY	18660601	5.152	DIVSN DAM TO BOISE
13204190	BOISE CITY	18660601	8.587	DIVSN DAM TO BOISE
	TOTAL		37.359	
13204200	UNITED WATER	18650601	0.474	DIVSN DAM TO BOISE
13204200	UNITED WATER	18660601	0.408	DIVSN DAM TO BOISE
13204200	UNITED WATER	18680601	0.486	DIVSN DAM TO BOISE
13204200	UNITED WATER	18890501	2.538	DIVSN DAM TO BOISE
13204200	UNITED WATER	18650601	0.118	DIVSN DAM TO BOISE
13204200	UNITED WATER	18660601	0.102	DIVSN DAM TO BOISE
13204200	UNITED WATER	18680601	0.122	DIVSN DAM TO BOISE
13204200	UNITED WATER	18890501	0.635	DIVSN DAM TO BOISE
13204200	UNITED WATER	18650601	0.198	DIVSN DAM TO BOISE
13204200	UNITED WATER	18660601	0.170	DIVSN DAM TO BOISE
13204200	UNITED WATER	18680601	0.202	DIVSN DAM TO BOISE
13204200	UNITED WATER	18890501	1.057	DIVSN DAM TO BOISE
13204200	UNITED WATER	19930908	24.800	DIVSN DAM TO BOISE
13204200	UNITED WATER	20011116	20.000	DIVSN DAM TO BOISE
	TOTAL		51.310	
13205515	SETTLERS	18640601	0.120	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.252	BOISE TO GLENWOOD BR
13205515	SETTLERS	18660501	9.250	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.305	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.600	BOISE TO GLENWOOD BR
13205515	SETTLERS	18770601	0.270	BOISE TO GLENWOOD BR
13205515	SETTLERS	18780501	0.240	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.240	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.432	BOISE TO GLENWOOD BR
13205515	SETTLERS	18830401	0.600	BOISE TO GLENWOOD BR
13205515	SETTLERS	18841017	59.436	BOISE TO GLENWOOD BR
13205515	SETTLERS	18910601	44.064	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.030	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.063	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.076	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.150	BOISE TO GLENWOOD BR
13205515	SETTLERS	18770601	0.068	BOISE TO GLENWOOD BR
13205515	SETTLERS	18780501	0.060	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.060	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.108	BOISE TO GLENWOOD BR
13205515	SETTLERS	18830401	0.150	BOISE TO GLENWOOD BR
13205515	SETTLERS	18841017	14.859	BOISE TO GLENWOOD BR
13205515	SETTLERS	18910601	11.016	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.050	BOISE TO GLENWOOD BR
13205515	SETTLERS	18640601	0.105	BOISE TO GLENWOOD BR
13205515	SETTLERS	18680601	0.127	BOISE TO GLENWOOD BR

13205515	SETTLERS	18680601	0.250	BOISE TO GLENWOOD BR
13205515	SETTLERS	18770601	0.112	BOISE TO GLENWOOD BR
13205515	SETTLERS	18780501	0.100	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.100	BOISE TO GLENWOOD BR
13205515	SETTLERS	18820601	0.180	BOISE TO GLENWOOD BR
13205515	SETTLERS	18830401	0.250	BOISE TO GLENWOOD BR

NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13205515	SETTLERS	18841017	24.765	BOISE TO GLENWOOD BR
13205515	SETTLERS	18910601	18.360	BOISE TO GLENWOOD BR
	TOTAL		186.848	
13205517	DAVIS	18860601	8.040	BOISE TO GLENWOOD BR
13205517	DAVIS	18910601	0.324	BOISE TO GLENWOOD BR
13205517	DAVIS	18860601	2.010	BOISE TO GLENWOOD BR
13205517	DAVIS	18910601	0.081	BOISE TO GLENWOOD BR
13205517	DAVIS	18860601	3.350	BOISE TO GLENWOOD BR
13205517	DAVIS	18910601	0.135	BOISE TO GLENWOOD BR
	TOTAL		13.940	
13205613	BOISE CITY PARKS	18660601	1.020	BOISE TO GLENWOOD BR
13205613	BOISE CITY PARKS	18660601	0.255	BOISE TO GLENWOOD BR
13205613	BOISE CITY PARKS	18660601	0.425	BOISE TO GLENWOOD BR
	TOTAL		1.700	
13205622	THURMAN MILL	10000101	11.420	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18640601	1.980	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.720	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.396	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	7.667	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	1.620	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18690601	0.960	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.420	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.840	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18760601	0.264	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18800601	1.440	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18801020	0.540	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.540	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.360	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	1.320	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.900	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18830601	0.540	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18950701	0.396	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18640601	0.495	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.180	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.099	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	1.916	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	0.405	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18690601	0.240	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.105	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.210	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18760601	0.066	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18800601	0.360	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18801020	0.135	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.135	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.090	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.330	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18830601	0.135	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18950701	0.099	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18640601	0.825	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.300	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18650601	0.165	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	3.195	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18680601	0.675	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18690601	0.400	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.175	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18720601	0.350	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18760601	0.110	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18800601	0.600	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18801020	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.150	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.550	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18820601	0.375	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18830601	0.225	BOISE TO GLENWOOD BR
13205622	THURMAN MILL	18950701	0.165	BOISE TO GLENWOOD BR
	TOTAL		46.258	

NUMBER	PARTY OR CANAL	YR-MO-DY	CFS	REACH
13205640	FARMERS UNION	10000101	22.790	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	1.080	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	13.000	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.059	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	1.080	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	1.012	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18710601	0.157	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18770601	1.870	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18910601	0.046	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	66.000	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.270	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.015	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.270	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.253	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18710601	0.039	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18770601	0.467	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18910601	0.012	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	16.500	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.450	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18640601	0.025	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.450	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18660601	0.421	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18710601	0.066	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18770601	0.779	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18910601	0.019	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	27.500	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	32.676	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	8.169	BOISE TO GLENWOOD BR
13205640	FARMERS UNION	18940702	13.615	BOISE TO GLENWOOD BR
	TOTAL		209.090	
13205641	BOISE VALLEY	10000101	10.030	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	18650601	29.706	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	18650601	7.427	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	18650601	12.377	BOISE TO GLENWOOD BR
13205641	BOISE VALLEY	19210719	1.200	BOISE TO GLENWOOD BR
	TOTAL		60.740	

BoiWRA.RTS Changed 7/6/04

10000101	22.790	13205640				1
10000101	10.030	13205641				1
10000101	9.470	13206090				1
10000101	1.210	13206092				1
10000101	3.040	13206265				1
10000101	3.010	13204190				1
10000101	4.460	13209630				1
10000101	3.675	13203000		91	288	1
10000101	1.800	13203760				1
10000101	1.125	13204005				1
10000101	0.750	13204060				1
10000101	0.150	13204020				1
10000101	11.420	13205622				1
10000101	1.027	13203760				1
10000101	2.554	13206220				1
10000102	250.000	13210049	-1	91	304	
10000103	50.000	13210999	-1	91	304	
10000104	50.000	13212499	-1	91	304	
18640601	1.080	13205640				1 1 17
18640601	0.120	13203760	13203527			1 2 39 1
18640601	0.120	13205515	Transfer to	Not yet		1 3 44 1
18640601	13.000	13205640	Surprise			2 17 1
18640601	7.000	13205643				2 17 1
18640601	7.141	13208710				3 29 1
18640601	0.059	13205640				3 1 17 1
18640601	0.252	13205515				3 2 44 1
18640601	0.228	13206090				3 3 32 1
18640601	1.980	13212832				4 2 1
18640601	1.615	13206292				5 25 1
18640601	0.101	13208740				5 1 45 1
18640601	1.980	13208450				6 20 1
18640601	1.980	13205622				7 47 1
18640901	12.000	13203000		91	288	8 34 2
18650401	0.480	13203760				8 A 39 3
18650401	1.080	13204005				8 B 9 3
18650401	3.600	13206205				8 C 22 3
18650401	0.300	13204005				8 D 9 3
18650601	7.368	13210994				9 46 4
18650601	0.384	13210992				9 1 43 4
18650601	0.300	13210993				9 2 11 4
18650601	0.720	13205622				10 47 4
18650601	0.396	13205622				11 47 4
18650601	2.640	13206260				12 18 4
18650601	19.992	13209482				13 15 4
18650601	8.256	13206092				14 33 4
18650601	29.706	13205641	Boise Valley			15 6 4
18650601	5.910	13204060				16 42 4
18650601	-186	0.780	Shakespeare			
18650601	1.728	13212548				19 8 4
18650601	3.360	13212548				20 8 4
18650601	0.480	13212645				20 1 4 4
18650601	1.740	13211825				21 24 4
18650601	1.920	13211825				22 24 4
18650601	1.920	13211735				23 48 4
18650601	0.600	13211735				24 48 4
18650601	0.840	13211725				24 1 16 4
18650601	2.364	13211735				25 48 4
18650601	0.960	13211735				26 48 4
18650601	0.948	13211735				27 48 4
18650601	3.600	13212832				29 2 4
18650601	2.382	6.684	Surprise			
18660501	0.400	13208710				30 1 29 5
18660501	2.820	4.182	Surprise			30 2 31 5
18660501	0.540	13206090				30 3 32 5
18660501	15.100	13203000		91	288	30 4 34 5
18660501	21.715	13209480				30 5 37 5
18660501	9.250	13205515				30 6 44 5
18660601	1.560	13209990				31 12 6
18660601	1.380	13208710				31 A 30 6
18660601	0.360	13208710				31 B 30 6
18660601	0.660	13209630				31 C 23 6
18660601	1.020	13205613				32 31 6
18660601	1.080	13205640				32 1 17 6
18660601	20.610	13204190				33 5 6
18660601	1.012	13205640				33 1 17 6
18660601	0.408	13204200				33 2 6
18660703	9.240	13210005				34 10 7
18670601	45.006	13209990				35 12 8
18670601	0.246	13208710				35 1 29 8
18670601	0.228	13208710				35 2 30 8

.6
Add United Water
18650601 0.474 13204200

18670601	1.056	13209990	35	A	12	8
18680601	7.667	13205622	36		47	9
18680601	0.305	13205515	36	1	44	9
18680601	0.486	13204200	36	2		9
18680601	1.620	13205622	37		47	9
18680601	0.600	13205515	37	1	44	9
18680601	1.920	13211825	38		24	9
18680601	5.124	13212938	39		19	9
18680601	0.840	13208710	40		29	9
18690601	1.080	13212896	41		27	10
18690601	0.960	13205622	42		47	10
18690601	2.160	13211825	43		24	10
18690601	5.100	13212832	44		2	10
18690601	19.860	13210989	45		38	10
18690601	0.204	13203000	91 288 45	1	34	10
18690601	1.200	13210984	45	2	40	10
18690601	21.720	13210005	46		10	10
18690601	0.600	13209990	46	1	12	10
18700401	0.480	13203760	47	A	39	11
18700601	1.560	13206270	48		13	12
18700601	15.432	13209630	49		23	12
18700601	1.344	13202995	50		36	12
18700601	0.600	13204005	50	A	9	12
18700601	0.780	13212832	51		2	12
18710601	4.673	13206292	52		25	13
18710601	0.043	13208740	52	1	45	13
18710601	1.080	13204020	53		28	13
18710601	19.460	13208710	54		29	13
18710601	0.157	13205640	54	1	17	13
18710601	0.602	13206090	54	2	32	13
18720601	0.420	13205622	55		47	14
18720601	0.840	13205622	56		47	14
18720601	2.316	13208450	57		20	14
18720601	0.324	13208740	57	1	45	14
18720601	1.680	13208450	58		20	14
18720601	0.300	13208740	58	1	45	14
18750601	6.000	13210992	60		43	17
18760601	1.380	13206220	61		49	18
18760601	0.264	13205622	62		47	18
18770601	3.120	13206290	63		1	19
18770601	0.540	13206270	64		13	19
18770601	65.708	13208710	65		30	19
18770601	0.360	13206265	65	1	3	19
18770601	1.870	13205640	65	2	17	19
18770601	0.240	13203760	65	3	39	19
18770601	0.270	13205515	65	4	44	19
18780401	0.480	13206265	66	A	3	20
18780401	0.840	13206265	66	C	3	20
18780401	0.480	13206265	66	D	3	20
18780501	99.840	13203760	67		39	21
18780501	0.240	13205515	67	1	44	21
18780601	2.520	13212896	68		27	22
18780601	2.016	13212896	69		27	22
18780601	5.280	13212938	70		19	22
18780601	2.640	13212954	71		35	22
18790401	1.800	13212966	71	A	21	23
18790601	18.792	13206090	72		32	24
18790601	2.400	13211825	73		24	24
18800401	0.264	13206090	73	A	32	25
18800401	0.060	13206290	73	A1	1	25
18800401	1.920	13212645	73	B	4	25
18800601	1.056	13212954	74		35	26
18800601	1.090	13206090	74	A	32	26
18800601	1.440	13205622	75		47	26
18801020	0.540	13205622	76		47	27
18801029	16.560	13210005	77		10	28
18810601	0.960	13212954	77	A	35	29
18810601	0.204	13212954	77	B	35	29
18810601	0.480	13212954	77	C	35	29
18810601	0.780	13212954	77	D	35	29
18820415	2.204	13210984	77	E	40	30
18820601	0.540	13205622	78		47	31
18820601	0.360	13205622	79		47	31
18820601	0.960	13208738	80		31	31
18820601	1.320	13205622	81		47	31
18820601	0.240	13205515	81	1	44	31
18820601	0.480	13206220	81	2	49	31
18820601	0.264	13206220	82		49	31
18820601	0.264	13206220	83		49	31
18820601	0.900	13205622	84		47	31
18820601	0.816	13206220	84	1	49	31

Transfer to
Surprise
13203527 not
yet

Add Surprise
 $3.2 \times .6 = 1.92$

18780501 1.920 13203527

18820601	1.320	13206220
18820601	0.432	13205515
18820612	3.850	13212994
18830401	0.600	13205515
18830501	0.134	13206090
18830501	0.454	13206265
18830501	0.042	13206090
18830501	0.231	13206090
18830521	0.060	13212994
18830601	12.000	13210992
18830601	0.540	13205622
18830601	4.800	13210984
18830601	1.020	13211725
18830601	1.380	13210989
18831109	10.980	13211725
18831109	0.120	13212548
18831109	0.300	13211735
18831109	1.620	13211825
18840601	31.860	13209480
18840601	12.000	13210984
18841017	59.436	13205515
18860501	1.540	13212994
18860601	9.132	13206090
18860601	8.040	13205517
18870123	2.400	13210984
18870221	6.690	13212994
18871001	0.420	13212548
18871001	7.260	13210993
18871001	17.160	13211725
18871001	0.720	13203000
18871001	1.320	13210989
18871001	1.800	13211735
18880601	4.716	13206090
18880601	2.400	13206265
18880601	0.780	13206265
18880601	0.840	13206265
18880601	0.876	13206265
18880601	0.600	13206265
18880601	0.120	13206090
18880601	0.306	13206265
18880601	0.534	13206090
18880601	0.540	13212832
18880701	30.000	13210992
18880820	213.084	13203760
18890301	0.504	13204005
18890301	5.340	13203000
18890501	0.036	13204005
18890501	0.012	13204005
18890501	1.440	13204005
18890501	1.062	13204005
18890501	2.538	13204200
18890501	0.108	13204015
18890501	1.764	13204005
18890501	0.030	13204005
18890501	0.060	13204005
18890501	0.018	13204005
18890501	0.960	13212992
18890501	0.480	13212954
18890601	0.036	13206220
18890601	0.720	13206220
18900601	0.432	13210984
18900601	0.060	13210984
18900601	0.240	13210984
18900901	120.000	13209480
18910601	1.320	13206270
18910601	0.324	13205517
18910601	9.850	13208710
18910601	0.046	13205640
18910601	0.304	13206090
18910601	2.100	13212832
18910601	44.064	13205515
18910601	0.480	13206265
18921022	2.680	13212994
18930415	0.960	13208710
18930501	48.000	13210984
18930501	0.414	13206090
18930501	0.081	13206265
18940315	0.180	13212994
18940601	1.056	13212954
18940702	66.000	13205640
18950501	0.600	13203760

85	49	31
85 A	44	31
85 B	44	32
85 C	32	33
85 O	3	33
85 D1	32	33
85 E	32	33
86	43	34
87	47	34
88	40	34
88 1	16	34
88 2	38	34
89	16	35
89 1	8	36
89 2	48	36
89 3	24	36
90	37	37
91	40	37
92	44	38
93	32	39
94	14	39
95	40	40
96 1	8	41
96 2	11	41
96 3	16	41
91 288 96 4	34	41
96 5	38	41
96 6	48	41
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98	3	42
99	3	42
100	3	42
101	3	42
102	3	42
102 1	32	42
103	3	42
103 1	32	42
104	2	42
105	43	43
106	39	44
106 A	9	45
91 288 106 1	34	45
107	9	46
108	9	46
109	9	46
110	9	46
110 A	9	46
110 B	9	46
111	9	46
112	9	46
113	9	46
114	9	46
114 A	31	46
114 B	35	46
115	49	47
116	49	47
116 A	40	48
116 B	40	48
116 C	40	48
117	37	49
118	13	50
119	14	50
120	29	50
120 1	17	50
120 2	32	50
121	2	50
122	44	50
123	3	50
123 A	29	51
124	40	52
124 A	32	52
124 A1	3	52
125	35	53
126	17	54
127	39	55

Surprise
 $6.8 \times 1.6 = 4.08$

Add

18880820 13203527 4.08

18950701	0.396	13205622	128	47	56
18960701	50.100	13210992	129	43	57
18970401	0.324	13206090	129 A	32	58
18991001	12.000	13210984	130	40	59
19000323	131.460	13203000	91 288 131	34	60
19000517	6.000	13210993	132	11	61
19010601	42.000	13210984	133	40	62
19011025	3.324	13210993	134	11	63
19020915	2.750	13212994			
19040401	33.804	13209480	135	37	64
19060410	1.850	13212994			
19060501	0.235	13206265	136	3	65
19100315	1.100	13212994			
19100401	1.056	13206295	137	26	66
19100401	4.200	13212966	137 A	21	66
19100601	2.200	13212994			
19120614	0.264	13206292	138	25	67
19120614	6.000	13212966	139	21	67
19160315	3.540	13212994			
19400315	0.730	13212994			
18640601	0.270	13205640	1	1	17 79
18640601	0.030	13203760	1	2	39 79
18640601	0.030	13205515	1	3	44 79
18640601	1.785	13208710	3	29	79
18640601	0.015	13205640	3	1	17 79
18640601	0.063	13205515	3	2	44 79
18640601	0.057	13206090	3	3	32 79
18640601	0.495	13212832	4	2	79
18640601	0.404	13206292	5	25	79
18640601	0.025	13208740	5	1	45 79
18640601	0.495	13208450	6	20	79
18640601	0.495	13205622	7	47	79
18640901	3.000	13203000	91 288 8	34	80
18650401	0.120	13203760	8 A	39	81
18650401	0.270	13204005	8 B	9	81
18650401	0.900	13206205	8 C	22	81
18650401	0.075	13204005	8 D	9	81
18650601	1.842	13210994	9	46	82
18650601	0.096	13210992	9	1	43 82
18650601	0.075	13210993	9	2	11 82
18650601	0.180	13205622	10	47	82
18650601	0.099	13205622	11	47	82
18650601	0.660	13206260	12	18	82
18650601	4.998	13209482	13	15	82
18650601	2.064	13206092	14	33	82
18650601	7.427	13205641	15	6	82
18650601	1.490	13204060	16	42	82
18650601	0.195	13203715			
18650601	0.432	13212548	19	8	82
18650601	0.840	13212548	20	8	82
18650601	0.120	13212645	20	1	4 82
18650601	0.435	13211825	21	24	82
18650601	0.480	13211825	22	24	82
18650601	0.480	13211735	23	48	82
18650601	0.150	13211735	24	48	82
18650601	0.210	13211725	24	1	16 82
18650601	0.591	13211735	25	48	82
18650601	0.240	13211735	26	48	82
18650601	0.237	13211735	27	48	82
18650601	0.900	13212832	29	2	82
18650601	1.670	13203527			
18660501	1.045	13203527			
18660601	0.390	13209990	31	12	84
18660601	0.345	13208710	31 A	30	84
18660601	0.090	13208710	31 B	30	84
18660601	0.165	13209630	31 C	23	84
18660601	0.255	13205613	32	31	84
18660601	0.270	13205640	32	1	17 84
18660601	5.152	13204190	33	5	84
18660601	0.253	13205640	33	1	17 84
18660601	0.102	13204200			
18660703	2.310	13210005	34	10	85
18670601	11.252	13209990	35	12	86
18670601	0.062	13208710	35	1	29 86
18670601	0.057	13208710	35	2	30 86
18670601	0.264	13209990	35 A	12	86
18680601	1.916	13205622	36	47	87
18680601	0.076	13205515	36	1	44 87
18680601	0.405	13205622	37	47	87
18680601	0.150	13205515	37	1	44 87
18680601	0.480	13211825	38	24	87

Transfer to
Surprise
Not yet

.15
Add United Water
18650601 0.118 13204200

Surpris
Surprise

Add

36 2 P limited water transf

18680601	1.281	13212938
18680601	0.210	13208710
18690601	0.270	13212896
18690601	0.240	13205622
18690601	0.540	13211825
18690601	1.275	13212832
18690601	4.965	13210989
18690601	0.051	13203000
18690601	0.300	13210984
18690601	5.430	13210005
18690601	0.150	13209990
18700401	0.120	13203760
18700601	0.390	13206270
18700601	3.858	13209630
18700601	0.336	13202995
18700601	0.150	13204005
18700601	0.195	13212832
18710601	1.168	13206292
18710601	0.011	13208740
18710601	0.270	13204020
18710601	4.865	13208710
18710601	0.039	13205640
18710601	0.151	13206090
18720601	0.105	13205622
18720601	0.210	13205622
18720601	0.579	13208450
18720601	0.081	13208740
18720601	0.420	13208450
18720601	0.075	13208740
18750601	1.500	13210992
18760601	0.345	13206220
18760601	0.066	13205622
18770601	0.780	13206290
18770601	0.135	13206270
18770601	16.427	13208710
18770601	0.090	13206265
18770601	0.467	13205640
18770601	0.060	13203760
18770601	0.068	13205515
18780401	0.120	13206265
18780401	0.210	13206265
18780401	0.120	13206265
18780501	24.960	13203760
18780501	0.060	13205515
18780601	0.630	13212896
18780601	0.504	13212896
18780601	1.320	13212938
18780601	0.660	13212954
18790401	0.450	13212966
18790601	4.698	13206090
18790601	0.600	13211825
18800401	0.066	13206090
18800401	0.015	13206290
18800401	0.480	13212645
18800601	0.264	13212954
18800601	0.272	13206090
18800601	0.360	13205622
18801020	0.135	13205622
18801029	4.140	13210005
18810601	0.240	13212954
18810601	0.051	13212954
18810601	0.120	13212954
18810601	0.195	13212954
18820415	0.551	13210984
18820601	0.135	13205622
18820601	0.090	13205622
18820601	0.240	13208738
18820601	0.330	13205622
18820601	0.060	13205515
18820601	0.120	13206220
18820601	0.066	13206220
18820601	0.066	13206220
18820601	0.225	13205622
18820601	0.204	13206220
18820601	0.330	13206220
18820601	0.108	13205515
18830401	0.150	13205515
18830501	0.033	13206090
18830501	0.113	13206265
18830501	0.011	13206090
18830501	0.058	13206090

39	19	87
40	29	87
41	27	88
42	47	88
43	24	88
44	2	88
45	38	88
45	1	34
45	2	40
46	10	88
46	1	12
47	A	39
48	13	90
49	23	90
50	36	90
50	A	9
51	2	90
52	25	91
52	1	45
53	28	91
54	29	91
54	1	17
54	2	32
55	47	92
56	47	92
57	20	92
57	1	45
58	20	92
58	1	45
60	43	95
61	49	96
62	47	96
63	1	97
64	13	97
65	30	97
65	1	3
65	2	17
65	3	39
65	4	44
66	A	3
66	C	3
66	D	3
67	39	99
67	1	44
68	27	100
69	27	100
70	19	100
71	35	100
71	A	21
72	32	102
73	24	102
73	A	32
73	A1	1
73	B	4
74	35	104
74	A	32
75	47	104
76	47	105
77	10	106
77	A	35
77	B	35
77	C	35
77	D	35
77	E	40
78	47	109
79	47	109
80	31	109
81	47	109
81	1	44
81	2	49
82	49	109
83	49	109
84	47	109
84	1	49
85	49	109
85	A	44
85	B	44
85	C	32
85	O	3
85	D1	32
85	E	32

Transfer to
Surprise
13203527
Not
yet

Surprise
 $3.2 \times .15 = 0.48$

→ 1878 0501 0.480
13203527

18830601	3.000	13210992
18830601	0.135	13205622
18830601	1.200	13210984
18830601	0.255	13211725
18830601	0.345	13210989
18831109	2.745	13211725
18831109	0.030	13212548
18831109	0.075	13211735
18831109	0.405	13211825
18840601	7.965	13209480
18840601	3.000	13210984
18841017	14.859	13205515
18860601	2.283	13206090
18860601	2.010	13205517
18870123	0.600	13210984
18871001	0.105	13212548
18871001	1.815	13210993
18871001	4.290	13211725
18871001	0.180	13203000
18871001	0.330	13210989
18871001	0.450	13211735
18880601	1.179	13206090
18880601	0.600	13206265
18880601	0.195	13206265
18880601	0.210	13206265
18880601	0.219	13206265
18880601	0.150	13206265
18880601	0.030	13206090
18880601	0.076	13206265
18880601	0.134	13206090
18880601	0.135	13212832
18880701	7.500	13210992
18880820	53.271	13203760
18890301	0.126	13204005
18890301	1.335	13203000
18890501	0.009	13204005
18890501	0.003	13204005
18890501	0.360	13204005
18890501	0.266	13204005
18890501	0.635	13204200
18890501	0.027	13204015
18890501	0.441	13204005
18890501	0.008	13204005
18890501	0.015	13204005
18890501	0.005	13204005
18890501	0.240	13212992
18890501	0.120	13212954
18890601	0.009	13206220
18890601	0.180	13206220
18900601	0.108	13210984
18900601	0.015	13210984
18900601	0.060	13210984
18900901	30.000	13209480
18910601	0.330	13206270
18910601	0.081	13205517
18910601	2.463	13208710
18910601	0.012	13205640
18910601	0.076	13206090
18910601	0.525	13212832
18910601	11.016	13205515
18910601	0.120	13206265
18930415	0.240	13208710
18930501	12.000	13210984
18930501	0.104	13206090
18930501	0.020	13206265
18940601	0.264	13212954
18940702	16.500	13205640
18950501	0.150	13203760
18950701	0.099	13205622
18960701	12.525	13210992
18970401	0.081	13206090
18991001	3.000	13210984
19000323	32.865	13203000
19000517	1.500	13210993
19010601	10.500	13210984
19011025	0.831	13210993
19040401	8.451	13209480
19060501	0.059	13206265
19100401	0.264	13206295
19100401	1.050	13212966
19120614	0.066	13206292

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	87	47	112
	88	40	112
	88	1	16 112
	88	2	38 112
	89	16	113
	89	1	8 114
	89	2	48 114
	89	3	24 114
	90	37	115
	91	40	115
	92	44	116
	93	32	117
	94	14	117
	95	40	118
	96	1	8 119
	96	2	11 119
	96	3	16 119
91 288	96	4	34 119
	96	5	38 119
	96	6	48 119
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	98	3	120
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	101	3	120
	102	3	120
	102	1	32 120
	103	3	120
	103	1	32 120
	104	2	120
	105	43	121
	106	39	122
	106 A	9	123
91 288	106	1	34 123
	107	9	124
	108	9	124
	109	9	124
	110	9	124
	110 A	9	124
	110 B	9	124
	111	9	124
	112	9	124
	113	9	124
	114	9	124
	114 A	31	124
	114 B	35	124
	115	49	125
	116	49	125
	116 A	40	126
	116 B	40	126
	116 C	40	126
	117	37	127
	118	13	128
	119	14	128
	120	29	128
	120	1	17 128
	120	2	32 128
	121	2	128
	122	44	128
	123	3	128
	123 A	29	129
	124	40	130
	124 A	32	130
	124 A1	3	130
	125	35	131
	126	17	132
	127	39	133
	128	47	134
	129	43	135
	129 A	32	136
	130	40	137
91 288	131	34	138
	132	11	139
	133	40	140
	134	11	141
	135	37	142
	136	3	143
	137	26	144
	137 A	21	144
	138	25	145

surprise
 $6.8 \times 15 = 1.02$

Add
 18880820 13203527 1.02

19120614	1.500	13212966	139	21	145
18640601	0.450	13205640	1	17	157
18640601	0.050	13203760	1	2	39 157
18640601	0.050	13205515	1	3	44 157
18640601	2.975	13208710	3	29	157
18640601	0.025	13205640	3	1	17 157
18640601	0.105	13205515	3	2	44 157
18640601	0.095	13206090	3	3	32 157
18640601	0.825	13212832	4	2	157
18640601	0.673	13206292	5	25	157
18640601	0.042	13208740	5	1	45 157
18640601	0.825	13208450	6	20	157
18640601	0.825	13205622	7	47	157
18640901	5.000	13203000	8	34	158
18650401	0.200	13203760	8 A	39	159
18650401	0.450	13204005	8 B	9	159
18650401	1.500	13206205	8 C	22	159
18650401	0.125	13204005	8 O	9	159
18650601	3.070	13210994	9	46	160
18650601	0.160	13210992	9	1	43 160
18650601	0.125	13210993	9	2	11 160
18650601	0.300	13205622	10	47	160
18650601	0.165	13205622	11	47	160
18650601	1.100	13206260	12	18	160
18650601	8.330	13209482	13	15	160
18650601	3.440	13206092	14	33	160
18650601	12.377	13205641	15	6	160
18650601	2.480	13204060	16	42	160
18650601	0.325	13203715	19	8	160
18650601	0.720	13212548	20	8	160
18650601	1.400	13212548	20	1	4 160
18650601	0.200	13212645	21	24	160
18650601	0.725	13211825	22	24	160
18650601	0.800	13211825	23	48	160
18650601	0.800	13211735	24	48	160
18650601	0.250	13211735	24	1	16 160
18650601	0.350	13211725	25	48	160
18650601	0.985	13211735	26	48	160
18650601	0.400	13211735	27	48	160
18650601	0.395	13211735	29	2	160
18650601	1.500	13212832			
18650601	2.785	13203527			
18660501	1.743	13203527			
18660601	0.650	13209990	31	12	162
18660601	0.575	13208710	31 A	30	162
18660601	0.150	13208710	31 B	30	162
18660601	0.275	13209630	31 C	23	162
18660601	0.425	13205613	32	31	162
18660601	0.450	13205640	32	1	17 162
18660601	8.587	13204190	33	5	162
18660601	0.421	13205640	33	1	17 162
18660601	0.170	13204200			
18660703	3.850	13210005	34	10	163
18670601	18.752	13209990	35	12	164
18670601	0.102	13208710	35	1	29 164
18670601	0.095	13208710	35	2	30 164
18670601	0.440	13209990	35 A	12	164
18680601	3.195	13205622	36	47	165

18710601	0.450	13204020
18710601	8.109	13208710
18710601	0.066	13205640
18710601	0.251	13206090
18720601	0.175	13205622
18720601	0.350	13205622
18720601	0.965	13208450
18720601	0.135	13208740
18720601	0.700	13208450
18720601	0.125	13208740
18750601	2.500	13210992
18760601	0.575	13206220
18760601	0.110	13205622
18770601	1.300	13206290
18770601	0.225	13206270
18770601	27.378	13208710
18770601	0.150	13206265
18770601	0.779	13205640
18770601	0.100	13203760
18770601	0.112	13205515
18780401	0.200	13206265
18780401	0.350	13206265
18780401	0.200	13206265
18780501	41.600	13203760
18780501	0.100	13205515
18780601	1.050	13212896
18780601	0.840	13212896
18780601	2.200	13212938
18780601	1.100	13212954
18790401	0.750	13212966
18790601	7.830	13206090
18790601	1.000	13211825
18800401	0.110	13206090
18800401	0.025	13206290
18800401	0.800	13212645
18800601	0.440	13212954
18800601	0.454	13206090
18800601	0.600	13205622
18801020	0.225	13205622
18801029	6.900	13210005
18810601	0.400	13212954
18810601	0.085	13212954
18810601	0.200	13212954
18810601	0.325	13212954
18820415	0.919	13210984
18820601	0.225	13205622
18820601	0.150	13205622
18820601	0.400	13208738
18820601	0.550	13205622
18820601	0.100	13205515
18820601	0.200	13206220
18820601	0.110	13206220
18820601	0.110	13206220
18820601	0.375	13205622
18820601	0.340	13206220
18820601	0.550	13206220
18820601	0.180	13205515
18830401	0.250	13205515
18830501	0.056	13206090
18830501	0.189	13206265
18830501	0.018	13206090
18830501	0.096	13206090
18830601	5.000	13210992
18830601	0.225	13205622
18830601	2.000	13210984
18830601	0.425	13211725
18830601	0.575	13210989
18831109	4.575	13211725
18831109	0.050	13212548
18831109	0.125	13211735
18831109	0.675	13211825
18840601	13.275	13209480
18840601	5.000	13210984
18841017	24.765	13205515
18860601	3.805	13206090
18860601	3.350	13205517
18870123	1.000	13210984
18871001	0.175	13212548
18871001	3.025	13210993
18871001	7.150	13211725
18871001	0.300	13203000

Transfer to
surprise
not
yet

53	28	169
54	29	169
54	1	17 169
54	2	32 169
55	47	170
56	47	170
57	20	170
57	1	45 170
58	20	170
58	1	45 170
60	43	173
61	49	174
62	47	174
63	1	175
64	13	175
65	30	175
65	1	3 175
65	2	17 175
65	3	39 175
65	4	44 175
66 A	3	176
66 C	3	176
66 D	3	176
67	39	177
67	1	44 177
68	27	178
69	27	178
70	19	178
71	35	178
71 A	21	179
72	32	180
73	24	180
73 A	32	181
73 A1	1	181
73 B	4	181
74	35	182
74 A	32	182
75	47	182
76	47	183
77	10	184
77 A	35	185
77 B	35	185
77 C	35	185
77 D	35	185
77 E	40	186
78	47	187
79	47	187
80	31	187
81	47	187
81	1	44 187
81	2	49 187
82	49	187
83	49	187
84	47	187
84	1	49 187
85	49	187
85 A	44	187
85 B	44	188
85 C	32	189
85 D	3	189
85 D1	32	189
85 E	32	189
86	43	190
87	47	190
88	40	190
88	1	16 190
88	2	38 190
89	16	191
89	1	8 192
89	2	48 192
89	3	24 192
90	37	193
91	40	193
92	44	194
93	32	195
94	14	195
95	40	196
96	1	8 197
96	2	11 197
96	3	16 197
96	4	34 197

Add Surprise

$$3.2 \times .25 = 0.800$$

18780501 0.800 13203527

18871001	0.550	13210984
18871001	0.750	13211735
18880601	1.965	13206090
18880601	1.000	13206265
18880601	0.325	13206265
18880601	0.350	13206265
18880601	0.365	13206265
18880601	0.250	13206265
18880601	0.050	13206090
18880601	0.127	13206265
18880601	0.222	13206090
18880601	0.225	13212832
18880701	12.500	13210992
18880820	88.785	13203760
18890301	0.210	13204005
18890301	2.225	13203000
18890501	0.015	13204005
18890501	0.005	13204005
18890501	0.600	13204005
18890501	0.443	13204005
18890501	1.057	13204200
18890501	0.045	13204015
18890501	0.735	13204005
18890501	0.013	13204005
18890501	0.025	13204005
18890501	0.007	13204005
18890501	0.400	13212992
18890501	0.200	13212954
18890601	0.015	13206220
18890601	0.300	13206220
18900601	0.180	13210984
18900601	0.025	13210984
18900601	0.100	13210984
18900901	50.000	13209480
18910601	0.550	13206270
18910601	0.135	13205517
18910601	4.104	13208710
18910601	0.019	13205640
18910601	0.126	13206090
18910601	0.875	13212832
18910601	18.360	13205515
18910601	0.200	13206265
18930415	0.400	13208710
18930501	20.000	13210984
18930501	0.172	13206090
18930501	0.034	13206265
18940601	0.440	13212954
18940702	27.500	13205640
18950501	0.250	13203760
18950701	0.165	13205622
18960701	20.875	13210992
18970401	0.135	13206090
18991001	5.000	13210984
19000323	54.775	13203000
19000517	2.500	13210993
19010601	17.500	13210984
19011025	1.385	13210993
19040401	14.085	13209480
19060501	0.098	13206265
19100401	0.440	13206295
19100401	1.750	13212966
19120614	0.110	13206292
19120614	2.500	13212966
18940702	32.676	13205640
19000323	35.316	13203000
19031214	809.748	13203000
19031214	3.000	13202995
19050401	183.936	13209480
19050401	92.670	13210992
19050401	3.240	13204005
19080401	32.700	13209480
19090401	175.500	13203000
19090616	380.400	13203000
19100401	38.268	13210984
19100401	2.016	13211745
19110113	4800.000	13194000
19140404	10.620	13210984
19140709	12.540	13210989
18940702	8.169	13205640
19000323	8.829	13203000
19031214	202.437	13203000

	96	5	38	197
	96	6	48	197
	97		32	198
	98		3	198
	99		3	198
	100		3	198
	101		3	198
	102		3	198
	102	1	32	198
	103		3	198
	103	1	32	198
	104		2	198
	105		43	199
	106		39	200
	106	A	9	201
91	288106	1	34	201
	107		9	202
	108		9	202
	109		9	202
	110	A	9	202
	110	B	9	202
	111		9	202
	112		9	202
	113		9	202
	114		9	202
	114	A	31	202
	114	B	35	202
	115		49	203
	116		49	203
	116	A	40	204
	116	B	40	204
	116	C	40	204
	117		37	205
	118		13	206
	119		14	206
	120		29	206
	120	1	17	206
	120	2	32	206
	121		2	206
	122		44	206
	123		3	206
	123	A	29	207
	124		40	208
	124	A	32	208
	124	A1	3	208
	125		35	209
	126		17	210
	127		39	211
	128		47	212
	129		43	213
	129	A	32	214
	130		40	215
91	288131		34	216
	132		11	217
	133		40	218
	134		11	219
	135		37	220
	136		3	221
	137		26	222
	137	A	21	222
	138		25	223
	139		21	223
	140		17	68
91	288141		34	69
				70
				70
	143		37	71
	144		43	71
	145		9	71
	146		37	72
91	288147		34	73
91	288148		34	74
	150		40	75
	151		50	75
91	288152		51	76
	153		40	77
	154		38	78
	140		17	146
91	288141		34	147
				48

Add Surprise
 $68 \times .25 = 1.7$

18880820 1.700 13203527

19031214	0.750	13202995				48
19050401	45.984	13209480			143	37 149
19050401	23.167	13210992			144	43 149
19050401	0.810	13204005			145	9 149
19080401	8.175	13209480			146	37 150
19090401	43.875	13203000		91	288147	34 151
19090616	95.100	13203000		91	288148	34 152
19100401	9.567	13210984			150	40 153
19100401	0.504	13211745			151	50 153
19110113	1200.000	13194000	1	91	288152	51 76
19140404	2.655	13210984			153	40 155
19140709	3.135	13210989			154	38 156
18940702	13.615	13205640			140	17 2
19000323	14.715	13203000		91	288141	34 225
19031214	337.395	13203000				26
19031214	1.250	13202995				26
19050401	76.640	13209480			143	37 227
19050401	38.612	13210992			144	43 227
19050401	1.350	13204005			145	9 227
19080401	13.625	13209480			146	37 228
19090401	73.125	13203000		91	288147	34 229
19090616	158.500	13203000		91	288148	34 230
19100401	15.945	13210984			150	40 231
19100401	0.840	13211745			151	50 231
19110113	2000.000	13194000	1	91	288152	51 76
19110113	8000.000	13194000	1	289	90152	51 76
19140404	4.425	13210984			153	40 233
19140709	5.225	13210989			154	38 234
19151002	0.580	13208740				34
19210719	1.200	13205641				34
19380625	7562.390	13194000	2			
19401209	213360.222	13190000	3			
19500515	1.600	13211825				34
19630412	112648.350	13201500	4			
19650315	0.220	13211001				34
19670221	0.560	13212896				34
19800219	0.640	13210993				34
19800721	0.720	13206292				34
19820708	0.440	13206274				34
19850401	2.400	13204200				
19930908	24.800	13204200				
19970606	15.000	13203527				
19970606	15.000	13203527				
20000101	0.000	13190000	5			
20000102	20636.249	13201500	6			
20011116	20.00	13204200				

Delete

Delete

Add

NEW BOLWRA. RTS

7/09/2004

10000101	22.790	13205640				1
10000101	10.030	13205641				1
10000101	9.470	13206090				1
10000101	1.210	13206092				1
10000101	3.040	13206265				1
10000101	3.010	13204190				1
10000101	4.460	13209630				1
10000101	3.675	13203000	91	288		1
10000101	1.800	13203760				1
10000101	1.125	13204005				1
10000101	0.750	13204060				1
10000101	0.150	13204020				1
10000101	11.420	13205622				1
10000101	1.027	13203760				1
10000101	2.554	13206220				1
10000102	250.000	13210049	-1	91	304	
10000103	50.000	13210999	-1	91	304	
10000104	50.000	13212499	-1	91	304	
18640601	1.080	13205640			1 1 17	
18640601	0.120	13203760			1 2 39	1
18640601	0.120	13205515			1 3 44	1
18640601	13.000	13205640			2 17	1
18640601	7.000	13205643			2 17	1
18640601	7.141	13208710			3 29	1
18640601	0.059	13205640			3 1 17	1
18640601	0.252	13205515			3 2 44	1
18640601	0.228	13206090			3 3 32	1
18640601	1.980	13212832			4 2	1
18640601	1.615	13206292			5 25	1
18640601	0.101	13208740			5 1 45	1
18640601	1.980	13208450			6 20	1
18640601	1.980	13205622			7 47	1
18640901	12.000	13203000	91	288	8 34	2
18650401	0.480	13203760			8 A 39	3
18650401	1.080	13204005			8 B 9	3
18650401	3.600	13206205			8 C 22	3
18650401	0.300	13204005			8 D 9	3
18650601	7.368	13210994			9 46	4
18650601	0.384	13210992			9 1 43	4
18650601	0.300	13210993			9 2 11	4
18650601	0.720	13205622			10 47	4
18650601	0.396	13205622			11 47	4
18650601	2.640	13206260			12 18	4
18650601	19.992	13209482			13 15	4
18650601	8.256	13206092			14 33	4
18650601	29.706	13205641			15 6	4
18650601	0.474	13204200				
18650601	5.910	13204060			16 42	4
18650601	0.186	13203715				
18650601	1.728	13212548			19 8	4
18650601	3.360	13212548			20 8	4
18650601	0.480	13212645			20 1 4	4
18650601	1.740	13211825			21 24	4
18650601	1.920	13211825			22 24	4
18650601	1.920	13211735			23 48	4
18650601	0.600	13211735			24 48	4
18650601	0.840	13211725			24 1 16	4
18650601	2.364	13211735			25 48	4
18650601	0.960	13211735			26 48	4
18650601	0.948	13211735			27 48	4
18650601	3.600	13212832			29 2	4
18650601	2.382	13203527				
18660501	0.400	13208710			30 1 29	5
18660501	2.820	13203527			30 2 31	5
18660501	0.540	13206090			30 3 32	5
18660501	15.100	13203000	91	288	30 4 34	5
18660501	21.715	13209480			30 5 37	5
18660501	9.250	13205515			30 6 44	5
18660601	1.560	13209990			31 12	6
18660601	1.380	13208710			31 A 30	6
18660601	0.360	13208710			31 B 30	6
18660601	0.660	13209630			31 C 23	6
18660601	1.020	13205613			32 31	6
18660601	1.080	13205640			32 1 17	6
18660601	20.610	13204190			33 5	6
18660601	1.012	13205640			33 1 17	6
18660601	0.408	13204200			33 2	6
18660703	9.240	13210005			34 10	7
18670601	45.006	13209990			35 12	8
18670601	0.246	13208710			35 1 29	8

18670601	0.228	13208710	35	2	30	8
18670601	1.056	13209990	35	A	12	8
18680601	7.667	13205622	36		47	9
18680601	0.305	13205515	36	1	44	9
18680601	0.486	13204200	36	2		9
18680601	1.620	13205622	37		47	9
18680601	0.600	13205515	37	1	44	9
18680601	1.920	13211825	38		24	9
18680601	5.124	13212938	39		19	9
18680601	0.840	13208710	40		29	9
18690601	1.080	13212896	41		27	10
18690601	0.960	13205622	42		47	10
18690601	2.160	13211825	43		24	10
18690601	5.100	13212832	44		2	10
18690601	19.860	13210989	45		38	10
18690601	0.204	13203000	45	1	34	10
18690601	1.200	13210984	45	2	40	10
18690601	21.720	13210005	46		10	10
18690601	0.600	13209990	46	1	12	10
18700401	0.480	13203760	47	A	39	11
18700601	1.560	13206270	48		13	12
18700601	15.432	13209630	49		23	12
18700601	1.344	13202995	50		36	12
18700601	0.600	13204005	50	A	9	12
18700601	0.780	13212832	51		2	12
18710601	4.673	13206292	52		25	13
18710601	0.043	13208740	52	1	45	13
18710601	1.080	13204020	53		28	13
18710601	19.460	13208710	54		29	13
18710601	0.157	13205640	54	1	17	13
18710601	0.602	13206090	54	2	32	13
18720601	0.420	13205622	55		47	14
18720601	0.840	13205622	56		47	14
18720601	2.316	13208450	57		20	14
18720601	0.324	13208740	57	1	45	14
18720601	1.680	13208450	58		20	14
18720601	0.300	13208740	58	1	45	14
18750601	6.000	13210992	60		43	17
18760601	1.380	13206220	61		49	18
18760601	0.264	13205622	62		47	18
18770601	3.120	13206290	63		1	19
18770601	0.540	13206270	64		13	19
18770601	65.708	13208710	65		30	19
18770601	0.360	13206265	65	1	3	19
18770601	1.870	13205640	65	2	17	19
18770601	0.240	13203760	65	3	39	19
18770601	0.270	13205515	65	4	44	19
18780401	0.480	13206265	66	A	3	20
18780401	0.840	13206265	66	C	3	20
18780401	0.480	13206265	66	D	3	20
18780501	99.840	13203760	67		39	21
18780501	1.920	13203527	67		39	21
18780501	0.240	13205515	67	1	44	21
18780601	2.520	13212896	68		27	22
18780601	2.016	13212896	69		27	22
18780601	5.280	13212938	70		19	22
18780601	2.640	13212954	71		35	22
18790401	1.800	13212966	71	A	21	23
18790601	18.792	13206090	72		32	24
18790601	2.400	13211825	73		24	24
18800401	0.264	13206090	73	A	32	25
18800401	0.060	13206290	73	A1	1	25
18800401	1.920	13212645	73	B	4	25
18800601	1.056	13212954	74		35	26
18800601	1.090	13206090	74	A	32	26
18800601	1.440	13205622	75		47	26
18801020	0.540	13205622	76		47	27
18801029	16.560	13210005	77		10	28
18810601	0.960	13212954	77	A	35	29
18810601	0.204	13212954	77	B	35	29
18810601	0.480	13212954	77	C	35	29
18810601	0.780	13212954	77	D	35	29
18820415	2.204	13210984	77	E	40	30
18820601	0.540	13205622	78		47	31
18820601	0.360	13205622	79		47	31
18820601	0.960	13208738	80		31	31
18820601	1.320	13205622	81		47	31
18820601	0.240	13205515	81	1	44	31
18820601	0.480	13206220	81	2	49	31
18820601	0.264	13206220	82		49	31
18820601	0.264	13206220	83		49	31

18820601	0.900	13205622	84	47	31
18820601	0.816	13206220	84	1 49	31
18820601	1.320	13206220	85	49	31
18820601	0.432	13205515	85 A	44	31
18820612	3.850	13212994			
18830401	0.600	13205515	85 B	44	32
18830501	0.134	13206090	85 C	32	33
18830501	0.454	13206265	85 D	3	33
18830501	0.042	13206090	85 D1	32	33
18830501	0.231	13206090	85 E	32	33
18830521	0.060	13212994			
18830601	12.000	13210992	86	43	34
18830601	0.540	13205622	87	47	34
18830601	4.800	13210984	88	40	34
18830601	1.020	13211725	88	1 16	34
18830601	1.380	13210989	88	2 38	34
18831109	10.980	13211725	89	16	35
18831109	0.120	13212548	89	1 8	36
18831109	0.300	13211735	89	2 48	36
18831109	1.620	13211825	89	3 24	36
18840601	31.860	13209480	90	37	37
18840601	12.000	13210984	91	40	37
18841017	59.436	13205515	92	44	38
18860501	1.540	13212994			
18860601	9.132	13206090	93	32	39
18860601	8.040	13205517	94	14	39
18870123	2.400	13210984	95	40	40
18870221	6.690	13212994			
18871001	0.420	13212548	96	1 8	41
18871001	7.260	13210993	96	2 11	41
18871001	17.160	13211725	96	3 16	41
18871001	0.720	13203000	91 288 96	4 34	41
18871001	1.320	13210989	96	5 38	41
18871001	1.800	13211735	96	6 48	41
18880601	4.716	13206090	97	32	42
18880601	2.400	13206265	98	3	42
18880601	0.780	13206265	99	3	42
18880601	0.840	13206265	100	3	42
18880601	0.876	13206265	101	3	42
18880601	0.600	13206265	102	3	42
18880601	0.120	13206090	102	1 32	42
18880601	0.306	13206265	103	3	42
18880601	0.534	13206090	103	1 32	42
18880601	0.540	13212832	104	2	42
18880701	30.000	13210992	105	43	43
18880820	213.084	13203760	106	39	44
18880820	4.080	13203527	106	39	44
18890301	0.504	13204005	106 A	9	45
18890301	5.340	13203000	91 288 106	1 34	45
18890501	0.036	13204005	107	9	46
18890501	0.012	13204005	108	9	46
18890501	1.440	13204005	109	9	46
18890501	1.062	13204005	110	9	46
18890501	2.538	13204200	110 A	9	46
18890501	0.108	13204015	110 B	9	46
18890501	1.764	13204005	111	9	46
18890501	0.030	13204005	112	9	46
18890501	0.060	13204005	113	9	46
18890501	0.018	13204005	114	9	46
18890501	0.960	13212992	114 A	31	46
18890501	0.480	13212954	114 B	35	46
18890601	0.036	13206220	115	49	47
18890601	0.720	13206220	116	49	47
18900601	0.432	13210984	116 A	40	48
18900601	0.060	13210984	116 B	40	48
18900601	0.240	13210984	116 C	40	48
18900901	120.000	13209480	117	37	49
18910601	1.320	13206270	118	13	50
18910601	0.324	13205517	119	14	50
18910601	9.850	13208710	120	29	50
18910601	0.046	13205640	120	1 17	50
18910601	0.304	13206090	120	2 32	50
18910601	2.100	13212832	121	2	50
18910601	44.064	13205515	122	44	50
18910601	0.480	13206265	123	3	50
18921022	2.680	13212994			
18930415	0.960	13208710	123 A	29	51
18930501	48.000	13210984	124	40	52
18930501	0.414	13206090	124 A	32	52
18930501	0.081	13206265	124 A1	3	52
18940315	0.180	13212994			

18940601	1.056	13212954	125	35	53
18940702	66.000	13205640	126	17	54
18950501	0.600	13203760	127	39	55
18950701	0.396	13205622	128	47	56
18960701	50.100	13210992	129	43	57
18970401	0.324	13206090	129 A	32	58
18991001	12.000	13210984	130	40	59
19000323	131.460	13203000	91 288 131	34	60
19000517	6.000	13210993	132	11	61
19010601	42.000	13210984	133	40	62
19011025	3.324	13210993	134	11	63
19020915	2.750	13212994			
19040401	33.804	13209480	135	37	64
19060410	1.850	13212994			
19060501	0.235	13206265	136	3	65
19100315	1.100	13212994			
19100401	1.056	13206295	137	26	66
19100401	4.200	13212966	137 A	21	66
19100601	2.200	13212994			
19120614	0.264	13206292	138	25	67
19120614	6.000	13212966	139	21	67
19160315	3.540	13212994			
19400315	0.730	13212994			
18640601	0.270	13205640	1	1	79
18640601	0.030	13203760	1	2	79
18640601	0.030	13205515	1	3	79
18640601	1.785	13208710	3	29	79
18640601	0.015	13205640	3	1	79
18640601	0.063	13205515	3	2	79
18640601	0.057	13206090	3	3	79
18640601	0.495	13212832	4	2	79
18640601	0.404	13206292	5	25	79
18640601	0.025	13208740	5	1	79
18640601	0.495	13208450	6	20	79
18640601	0.495	13205622	7	47	79
18640901	3.000	13203000	91 288 8	34	80
18650401	0.120	13203760	8 A	39	81
18650401	0.270	13204005	8 B	9	81
18650401	0.900	13206205	8 C	22	81
18650401	0.075	13204005	8 D	9	81
18650601	1.842	13210994	9	46	82
18650601	0.096	13210992	9	1	82
18650601	0.075	13210993	9	2	82
18650601	0.180	13205622	10	47	82
18650601	0.099	13205622	11	47	82
18650601	0.660	13206260	12	18	82
18650601	4.998	13209482	13	15	82
18650601	2.064	13206092	14	33	82
18650601	7.427	13205641	15	6	82
18650601	0.118	13204200			
18650601	1.490	13204060	16	42	82
18650601	0.047	13203715			
18650601	0.432	13212548	19	8	82
18650601	0.840	13212548	20	8	82
18650601	0.120	13212645	20	1	82
18650601	0.435	13211825	21	24	82
18650601	0.480	13211825	22	24	82
18650601	0.480	13211735	23	48	82
18650601	0.150	13211735	24	48	82
18650601	0.210	13211725	24	1	82
18650601	0.591	13211735	25	48	82
18650601	0.240	13211735	26	48	82
18650601	0.237	13211735	27	48	82
18650601	0.900	13212832	29	2	82
18650601	0.595	13203527			
18660601	0.390	13209990	31	12	84
18660601	0.345	13208710	31 A	30	84
18660601	0.090	13208710	31 B	30	84
18660601	0.165	13209630	31 C	23	84
18660601	0.255	13205613	32	31	84
18660601	0.270	13205640	32	1	84
18660601	5.152	13204190	33	5	84
18660601	0.253	13205640	33	1	84
18660601	0.102	13204200			
18660703	2.310	13210005	34	10	85
18670601	11.252	13209990	35	12	86
18670601	0.062	13208710	35	1	86
18670601	0.057	13208710	35	2	86
18670601	0.264	13209990	35 A	12	86
18680601	1.916	13205622	36	47	87
18680601	0.076	13205515	36	1	87

18680601	0.122	13204200	36	1	44	87
18680601	0.405	13205622	37		47	87
18680601	0.150	13205515	37	1	44	87
18680601	0.480	13211825	38		24	87
18680601	1.281	13212938	39		19	87
18680601	0.210	13208710	40		29	87
18690601	0.270	13212896	41		27	88
18690601	0.240	13205622	42		47	88
18690601	0.540	13211825	43		24	88
18690601	1.275	13212832	44		2	88
18690601	4.965	13210989	45		38	88
18690601	0.051	13203000	45	1	34	88
18690601	0.300	13210984	45	2	40	88
18690601	5.430	13210005	46		10	88
18690601	0.150	13209990	46	1	12	88
18700401	0.120	13203760	47	A	39	89
18700601	0.390	13206270	48		13	90
18700601	3.858	13209630	49		23	90
18700601	0.336	13202995	50		36	90
18700601	0.150	13204005	50	A	9	90
18700601	0.195	13212832	51		2	90
18710601	1.168	13206292	52		25	91
18710601	0.011	13208740	52	1	45	91
18710601	0.270	13204020	53		28	91
18710601	4.865	13208710	54		29	91
18710601	0.039	13205640	54	1	17	91
18710601	0.151	13206090	54	2	32	91
18720601	0.105	13205622	55		47	92
18720601	0.210	13205622	56		47	92
18720601	0.579	13208450	57		20	92
18720601	0.081	13208740	57	1	45	92
18720601	0.420	13208450	58		20	92
18720601	0.075	13208740	58	1	45	92
18750601	1.500	13210992	60		43	95
18760601	0.345	13206220	61		49	96
18760601	0.066	13205622	62		47	96
18770601	0.780	13206290	63		1	97
18770601	0.135	13206270	64		13	97
18770601	16.427	13208710	65		30	97
18770601	0.090	13206265	65	1	3	97
18770601	0.467	13205640	65	2	17	97
18770601	0.060	13203760	65	3	39	97
18770601	0.068	13205515	65	4	44	97
18780401	0.120	13206265	66	A	3	98
18780401	0.210	13206265	66	C	3	98
18780401	0.120	13206265	66	D	3	98
18780501	24.960	13203760	67		39	99
18780501	0.480	13203527	67		39	99
18780501	0.060	13205515	67	1	44	99
18780601	0.630	13212896	68		27	100
18780601	0.504	13212896	69		27	100
18780601	1.320	13212938	70		19	100
18780601	0.660	13212954	71		35	100
18790401	0.450	13212966	71	A	21	101
18790601	4.698	13206090	72		32	102
18790601	0.600	13211825	73		24	102
18800401	0.066	13206090	73	A	32	103
18800401	0.015	13206290	73	A1	1	103
18800401	0.480	13212645	73	B	4	103
18800601	0.264	13212954	74		35	104
18800601	0.272	13206090	74	A	32	104
18800601	0.360	13205622	75		47	104
18801020	0.135	13205622	76		47	105
18801029	4.140	13210005	77		10	106
18810601	0.240	13212954	77	A	35	107
18810601	0.051	13212954	77	B	35	107
18810601	0.120	13212954	77	C	35	107
18810601	0.195	13212954	77	D	35	107
18820415	0.551	13210984	77	E	40	108
18820601	0.135	13205622	78		47	109
18820601	0.090	13205622	79		47	109
18820601	0.240	13208738	80		31	109
18820601	0.330	13205622	81		47	109
18820601	0.060	13205515	81	1	44	109
18820601	0.120	13206220	81	2	49	109
18820601	0.066	13206220	82		49	109
18820601	0.066	13206220	83		49	109
18820601	0.225	13205622	84		47	109
18820601	0.204	13206220	84	1	49	109
18820601	0.330	13206220	85		49	109
18820601	0.108	13205515	85	A	44	109

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18830401	0.150	13205515			85 B	44	110
18830501	0.033	13206090			85 C	32	111
18830501	0.113	13206265			85 D	3	111
18830501	0.011	13206090			85 D1	32	111
18830501	0.058	13206090			85 E	32	111
18830601	3.000	13210992			86	43	112
18830601	0.135	13205622			87	47	112
18830601	1.200	13210984			88	40	112
18830601	0.255	13211725			88	1 16	112
18830601	0.345	13210989			88	2 38	112
18831109	2.745	13211725			89	16	113
18831109	0.030	13212548			89	1 8	114
18831109	0.075	13211735			89	2 48	114
18831109	0.405	13211825			89	3 24	114
18840601	7.965	13209480			90	37	115
18840601	3.000	13210984			91	40	115
18841017	14.859	13205515			92	44	116
18860601	2.283	13206090			93	32	117
18860601	2.010	13205517			94	14	117
18870123	0.600	13210984			95	40	118
18871001	0.105	13212548			96	1 8	119
18871001	1.815	13210993			96	2 11	119
18871001	4.290	13211725			96	3 16	119
18871001	0.180	13203000	91	288	96	4 34	119
18871001	0.330	13210989			96	5 38	119
18871001	0.450	13211735			96	6 48	119
18880601	1.179	13206090			97	32	120
18880601	0.600	13206265			98	3	120
18880601	0.195	13206265			99	3	120
18880601	0.210	13206265			100	3	120
18880601	0.219	13206265			101	3	120
18880601	0.150	13206265			102	3	120
18880601	0.030	13206090			102	1 32	120
18880601	0.076	13206265			103	3	120
18880601	0.134	13206090			103	1 32	120
18880601	0.135	13212832			104	2	120
18880701	7.500	13210992			105	43	121
18880820	53.271	13203760			106	39	122
18880820	1.020	13203527			106	39	122
18890301	0.126	13204005			106 A	9	123
18890301	1.335	13203000	91	288	106	1 34	123
18890501	0.009	13204005			107	9	124
18890501	0.003	13204005			108	9	124
18890501	0.360	13204005			109	9	124
18890501	0.266	13204005			110	9	124
18890501	0.635	13204200			110 A	9	124
18890501	0.027	13204015			110 B	9	124
18890501	0.441	13204005			111	9	124
18890501	0.008	13204005			112	9	124
18890501	0.015	13204005			113	9	124
18890501	0.005	13204005			114	9	124
18890501	0.240	13212992			114 A	31	124
18890501	0.120	13212954			114 B	35	124
18890601	0.009	13206220			115	49	125
18890601	0.180	13206220			116	49	125
18900601	0.108	13210984			116 A	40	126
18900601	0.015	13210984			116 B	40	126
18900601	0.060	13210984			116 C	40	126
18900901	30.000	13209480			117	37	127
18910601	0.330	13206270			118	13	128
18910601	0.081	13205517			119	14	128
18910601	2.463	13208710			120	29	128
18910601	0.012	13205640			120	1 17	128
18910601	0.076	13206090			120	2 32	128
18910601	0.525	13212832			121	2	128
18910601	11.016	13205515			122	44	128
18910601	0.120	13206265			123	3	128
18930415	0.240	13208710			123 A	29	129
18930501	12.000	13210984			124	40	130
18930501	0.104	13206090			124 A	32	130
18930501	0.020	13206265			124 A1	3	130
18940601	0.264	13212954			125	35	131
18940702	16.500	13205640			126	17	132
18950501	0.150	13203760			127	39	133
18950701	0.099	13205622			128	47	134
18960701	12.525	13210992			129	43	135
18970401	0.081	13206090			129 A	32	136
18991001	3.000	13210984			130	40	137
19000323	32.865	13203000	91	288	131	34	138
19000517	1.500	13210993			132	11	139
19010601	10.500	13210984			133	40	140

19011025	0.831	13210993	134	11	141
19040401	8.451	13209480	135	37	142
19060501	0.059	13206265	136	3	143
19100401	0.264	13206295	137	26	144
19100401	1.050	13212966	137 A	21	144
19120614	0.066	13206292	138	25	145
19120614	1.500	13212966	139	21	145
18640601	0.450	13205640	1	1	17 157
18640601	0.050	13203760	1	2	39 157
18640601	0.050	13205515	1	3	44 157
18640601	2.975	13208710	3	29	157
18640601	0.025	13205640	3	1	17 157
18640601	0.105	13205515	3	2	44 157
18640601	0.095	13206090	3	3	32 157
18640601	0.825	13212832	4	2	157
18640601	0.673	13206292	5	25	157
18640601	0.042	13208740	5	1	45 157
18640601	0.825	13208450	6	20	157
18640601	0.825	13205622	7	47	157
18640901	5.000	13203000	8	34	158
18650401	0.200	13203760	8 A	39	159
18650401	0.450	13204005	8 B	9	159
18650401	1.500	13206205	8 C	22	159
18650401	0.125	13204005	8 D	9	159
18650601	3.070	13210994	9	46	160
18650601	0.160	13210992	9	1	43 160
18650601	0.125	13210993	9	2	11 160
18650601	0.300	13205622	10	47	160
18650601	0.165	13205622	11	47	160
18650601	1.100	13206260	12	18	160
18650601	8.330	13209482	13	15	160
18650601	3.440	13206092	14	33	160
18650601	12.377	13205641	15	6	160
18650601	0.198	13204200			
18650601	2.480	13204060	16	42	160
18650601	0.077	13203715			
18650601	0.720	13212548	19	8	160
18650601	1.400	13212548	20	8	160
18650601	0.200	13212645	20	1	4 160
18650601	0.725	13211825	21	24	160
18650601	0.800	13211825	22	24	160
18650601	0.800	13211735	23	48	160
18650601	0.250	13211735	24	48	160
18650601	0.350	13211725	24	1	16 160
18650601	0.985	13211735	25	48	160
18650601	0.400	13211735	26	48	160
18650601	0.395	13211735	27	48	160
18650601	1.500	13212832	29	2	160
18650601	0.993	13203527			
18660601	0.650	13209990	31	12	162
18660601	0.575	13208710	31 A	30	162
18660601	0.150	13208710	31 B	30	162
18660601	0.275	13209630	31 C	23	162
18660601	0.425	13205613	32	31	162
18660601	0.450	13205640	32	1	17 162
18660601	8.587	13204190	33	5	162
18660601	0.421	13205640	33	1	17 162
18660601	0.170	13204200			
18660703	3.850	13210005	34	10	163
18670601	18.752	13209990	35	12	164
18670601	0.102	13208710	35	1	29 164
18670601	0.095	13208710	35	2	30 164
18670601	0.440	13209990	35 A	12	164
18680601	3.195	13205622	36	47	165
18680601	0.127	13205515	36	1	44 165
18680601	0.202	13204200	36	1	44 165
18680601	0.675	13205622	37	47	165
18680601	0.250	13205515	37	1	44 165
18680601	0.800	13211825	38	24	165
18680601	2.135	13212938	39	19	165
18680601	0.350	13208710	40	29	165
18690601	0.450	13212896	41	27	166
18690601	0.400	13205622	42	47	166
18690601	0.900	13211825	43	24	166
18690601	2.125	13212832	44	2	166
18690601	8.275	13210989	45	38	166
18690601	0.085	13203000	45	1	34 166
18690601	0.500	13210984	45	2	40 166
18690601	9.050	13210005	46	10	166
18690601	0.250	13209990	46	1	12 166
18700401	0.200	13203760	47 A	39	167

18700601	0.650	13206270	48	13	168
18700601	6.430	13209630	49	23	168
18700601	0.560	13202995	50	36	168
18700601	0.250	13204005	50 A	9	168
18700601	0.325	13212832	51	2	168
18710601	1.947	13206292	52	25	169
18710601	0.018	13208740	52	1	45 169
18710601	0.450	13204020	53	28	169
18710601	8.109	13208710	54	29	169
18710601	0.066	13205640	54	1	17 169
18710601	0.251	13206090	54	2	32 169
18720601	0.175	13205622	55	47	170
18720601	0.350	13205622	56	47	170
18720601	0.965	13208450	57	20	170
18720601	0.135	13208740	57	1	45 170
18720601	0.700	13208450	58	20	170
18720601	0.125	13208740	58	1	45 170
18750601	2.500	13210992	60	43	173
18760601	0.575	13206220	61	49	174
18760601	0.110	13205622	62	47	174
18770601	1.300	13206290	63	1	175
18770601	0.225	13206270	64	13	175
18770601	27.378	13208710	65	30	175
18770601	0.150	13206265	65	1	3 175
18770601	0.779	13205640	65	2	17 175
18770601	0.100	13203760	65	3	39 175
18770601	0.112	13205515	65	4	44 175
18780401	0.200	13206265	66 A	3	176
18780401	0.350	13206265	66 C	3	176
18780401	0.200	13206265	66 D	3	176
18780501	41.600	13203760	67	39	177
18780501	0.800	13203527	67	39	177
18780501	0.100	13205515	67	1	44 177
18780601	1.050	13212896	68	27	178
18780601	0.840	13212896	69	27	178
18780601	2.200	13212938	70	19	178
18780601	1.100	13212954	71	35	178
18790401	0.750	13212966	71 A	21	179
18790601	7.830	13206090	72	32	180
18790601	1.000	13211825	73	24	180
18800401	0.110	13206090	73 A	32	181
18800401	0.025	13206290	73 A1	1	181
18800401	0.800	13212645	73 B	4	181
18800601	0.440	13212954	74	35	182
18800601	0.454	13206090	74 A	32	182
18800601	0.600	13205622	75	47	182
18801020	0.225	13205622	76	47	183
18801029	6.900	13210005	77	10	184
18810601	0.400	13212954	77 A	35	185
18810601	0.085	13212954	77 B	35	185
18810601	0.200	13212954	77 C	35	185
18810601	0.325	13212954	77 D	35	185
18820415	0.919	13210984	77 E	40	186
18820601	0.225	13205622	78	47	187
18820601	0.150	13205622	79	47	187
18820601	0.400	13208738	80	31	187
18820601	0.550	13205622	81	47	187
18820601	0.100	13205515	81	1	44 187
18820601	0.200	13206220	81	2	49 187
18820601	0.110	13206220	82	49	187
18820601	0.110	13206220	83	49	187
18820601	0.375	13205622	84	47	187
18820601	0.340	13206220	84	1	49 187
18820601	0.550	13206220	85	49	187
18820601	0.180	13205515	85 A	44	187
18830401	0.250	13205515	85 B	44	188
18830501	0.056	13206090	85 C	32	189
18830501	0.189	13206265	85 D	3	189
18830501	0.018	13206090	85 D1	32	189
18830501	0.096	13206090	85 E	32	189
18830601	5.000	13210992	86	43	190
18830601	0.225	13205622	87	47	190
18830601	2.000	13210984	88	40	190
18830601	0.425	13211725	88	1	16 190
18830601	0.575	13210989	88	2	38 190
18831109	4.575	13211725	89	16	191
18831109	0.050	13212548	89	1	8 192
18831109	0.125	13211735	89	2	48 192
18831109	0.675	13211825	89	3	24 192
18840601	13.275	13209480	90	37	193
18840601	5.000	13210984	91	40	193

18841017	24.765	13205515	92	44	194
18860601	3.805	13206090	93	32	195
18860601	3.350	13205517	94	14	195
18870123	1.000	13210984	95	40	196
18871001	0.175	13212548	96	1	8 197
18871001	3.025	13210993	96	2	11 197
18871001	7.150	13211725	96	3	16 197
18871001	0.300	13203000	91 288 96	4	34 197
18871001	0.550	13210984	96	5	38 197
18871001	0.750	13211735	96	6	48 197
18880601	1.965	13206090	97	32	198
18880601	1.000	13206265	98	3	198
18880601	0.325	13206265	99	3	198
18880601	0.350	13206265	100	3	198
18880601	0.365	13206265	101	3	198
18880601	0.250	13206265	102	3	198
18880601	0.050	13206090	102	1	32 198
18880601	0.127	13206265	103	3	198
18880601	0.222	13206090	103	1	32 198
18880601	0.225	13212832	104	2	198
18880701	12.500	13210992	105	43	199
18880820	88.785	13203760	106	39	200
18880820	1.700	13203527	106	39	200
18890301	0.210	13204005	106 A	9	201
18890301	2.225	13203000	91 288 106	1	34 201
18890501	0.015	13204005	107	9	202
18890501	0.005	13204005	108	9	202
18890501	0.600	13204005	109	9	202
18890501	0.443	13204005			
18890501	1.057	13204200	110 A	9	202
18890501	0.045	13204015	110 B	9	202
18890501	0.735	13204005	111	9	202
18890501	0.013	13204005	112	9	202
18890501	0.025	13204005	113	9	202
18890501	0.007	13204005	114	9	202
18890501	0.400	13212992	114 A	31	202
18890501	0.200	13212954	114 B	35	202
18890601	0.015	13206220	115	49	203
18890601	0.300	13206220	116	49	203
18900601	0.180	13210984	116 A	40	204
18900601	0.025	13210984	116 B	40	204
18900601	0.100	13210984	116 C	40	204
18900901	50.000	13209480	117	37	205
18910601	0.550	13206270	118	13	206
18910601	0.135	13205517	119	14	206
18910601	4.104	13208710	120	29	206
18910601	0.019	13205640	120	1	17 206
18910601	0.126	13206090	120	2	32 206
18910601	0.875	13212832	121	2	206
18910601	18.360	13205515	122	44	206
18910601	0.200	13206265	123	3	206
18930415	0.400	13208710	123 A	29	207
18930501	20.000	13210984	124	40	208
18930501	0.172	13206090	124 A	32	208
18930501	0.034	13206265	124 A1	3	208
18940601	0.440	13212954	125	35	209
18940702	27.500	13205640	126	17	210
18950501	0.250	13203760	127	39	211
18950701	0.165	13205622	128	47	212
18960701	20.875	13210992	129	43	213
18970401	0.135	13206090	129 A	32	214
18991001	5.000	13210984	130	40	215
19000323	54.775	13203000	91 288 131	34	216
19000517	2.500	13210993	132	11	217
19010601	17.500	13210984	133	40	218
19011025	1.385	13210993	134	11	219
19040401	14.085	13209480	135	37	220
19060501	0.098	13206265	136	3	221
19100401	0.440	13206295	137	26	222
19100401	1.750	13212966	137 A	21	222
19120614	0.110	13206292	138	25	223
19120614	2.500	13212966	139	21	223
18940702	32.676	13205640	140	17	68
19000323	35.316	13203000	91 288 141	34	69
19031214	809.748	13203000			70
19031214	3.000	13202995			70
19050401	183.936	13209480	143	37	71
19050401	92.670	13210992	144	43	71
19050401	3.240	13204005	145	9	71
19080401	32.700	13209480	146	37	72
19090401	175.500	13203000	91 288 147	34	73

19090616	380.400	13203000		91	288148	34	74
19100401	38.268	13210984			150	40	75
19100401	2.016	13211745			151	50	75
19110113	4800.000	13194000	1	91	288152	51	76
19140404	10.620	13210984			153	40	77
19140709	12.540	13210989			154	38	78
18940702	8.169	13205640			140	17	146
19000323	8.829	13203000		91	288141	34	147
19031214	202.437	13203000					48
19031214	0.750	13202995					48
19050401	45.984	13209480			143	37	149
19050401	23.167	13210992			144	43	149
19050401	0.810	13204005			145	9	149
19080401	8.175	13209480			146	37	150
19090401	43.875	13203000		91	288147	34	151
19090616	95.100	13203000		91	288148	34	152
19100401	9.567	13210984			150	40	153
19100401	0.504	13211745			151	50	153
19110113	1200.000	13194000	1	91	288152	51	76
19140404	2.655	13210984			153	40	155
19140709	3.135	13210989			154	38	156
18940702	13.615	13205640			140	17	2
19000323	14.715	13203000		91	288141	34	225
19031214	337.395	13203000					26
19031214	1.250	13202995					26
19050401	76.640	13209480			143	37	227
19050401	38.612	13210992			144	43	227
19050401	1.350	13204005			145	9	227
19080401	13.625	13209480			146	37	228
19090401	73.125	13203000		91	288147	34	229
19090616	158.500	13203000		91	288148	34	230
19100401	15.945	13210984			150	40	231
19100401	0.840	13211745			151	50	231
19110113	2000.000	13194000	1	91	288152	51	76
19110113	8000.000	13194000	1	289	90152	51	76
19140404	4.425	13210984			153	40	233
19140709	5.225	13210989			154	38	234
19151002	0.580	13208740					34
19210719	1.200	13205641					34
19380625	7562.390	13194000	2				
19401209	213360.222	13190000	3				
19500515	1.600	13211825					34
19630412	112648.350	13201500	4				
19650315	0.220	13211001					34
19670221	0.560	13212896					34
19800219	0.640	13210993					34
19800721	0.720	13206292					34
19820708	0.440	13206274					34
19930908	24.800	13204200					
19970606	15.000	13203527					
20000101	0.000	13190000	5				
20000102	20636.249	13201500	6				
20011116	20.000	13204200					



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Hells Canyon River Flow

Oxbow Water Temp

► Streamflow Data

Water Terms

Selected Station:
13203000 - New York Canal near Boise, Id

Station #13203000

Data Quality-assured up to: Oct. 1, 2003
All others are provisional

From: July 2004 SET

S	M	T	W	T	F	S
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

To: Aug. 2004 SET

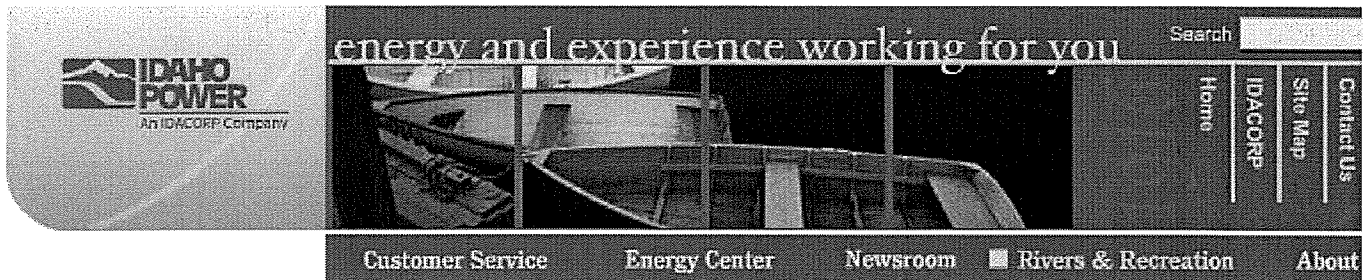
S	M	T	W	T	F	S
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Select Another Station Refresh Dates ?

PROVISIONAL AND SUBJECT TO REVISION

Flow		
07/26/2004 through 08/10/2004		
Date	Avg Flow (cfs)	Flag
07/26/2004	2252.0	
07/27/2004	2254.0	
07/28/2004	2248.0	
07/29/2004	2246.0	
07/30/2004	2243.0	
07/31/2004	2243.0	
08/01/2004	2243.0	
08/02/2004	2245.0	
08/03/2004	2241.0	
08/04/2004	2238.0	
08/05/2004	2236.0	
08/06/2004	2235.0	
08/07/2004	2238.0	
08/08/2004	2240.0	

* This data collection for the current water year is considered provisional, meaning it is subject to change until reviewed and finalized. The data collection for the previous water year is typically finalized during the first half of the



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Selected Station:		From:		To:																																																																																																			
13210050 - Boise River nr Middleton, Id (BOMI)		July ▼ ▲ 2004 ▼ SET		Aug. ▼ ▲ 2004 ▼ SET																																																																																																			
Station #13210050		<table border="1"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> </table>		S	M	T	W	T	F	S	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	<table border="1"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td></tr> </table>		S	M	T	W	T	F	S	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4
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8	9	10	11	12	13	14																																																																																																	
15	16	17	18	19	20	21																																																																																																	
22	23	24	25	26	27	28																																																																																																	
29	30	31	1	2	3	4																																																																																																	
Data Quality-assured up to: Oct. 1, 2003 All others are provisional		Select Another Station		Refresh Dates																																																																																																			

PROVISIONAL AND SUBJECT TO REVISION

Flow		
07/26/2004 through 08/10/2004		
Date	Avg Flow (cfs)	Flag
07/26/2004	577.0	
07/27/2004	562.0	
07/28/2004	533.0	
07/29/2004	541.0	
07/30/2004	539.0	
07/31/2004	538.0	
08/01/2004	526.0	
08/02/2004	531.0	
08/03/2004	550.0	
08/04/2004	573.0	
08/05/2004	606.0	
08/06/2004	555.0	
08/07/2004	556.0	
08/08/2004	559.0	

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Pace, Pamela

From: Campbell, Mike D [MikeCampbell@idahopower.com]
Sent: Friday, August 06, 2004 11:15 AM
To: Jim Doty (E-mail); Jennifer Coleman (E-mail)
Cc: Pam Pace (E-mail); Bill Ondrechen (E-mail); Ken Henley (E-mail); Lee Sisco (E-mail); Edl, Michele; DeVol, Philip; Hulme, James; Vidmar, Pete; Davis-Butts, Kresta; Heilwagen, Brad
Subject: Middleton/New York Canal Shift updates

Measurements were made today, Aug. 6, at New York Canal and Boise River near Middleton.

New York Canal at 0700 - Q 2230 cfs, GH 8.87 ft. Shift -.22

Boise nr Middleton at 1000 - Q 548 cfs, GH 1.84 ft. Shift -.41

Please call if you have a question...Mike

Mike Campbell
Water Management Department
Idaho Power Company
(208) 388-2473
(208) 870-5126 (Cell)
(208) 388-6495 (FAX)

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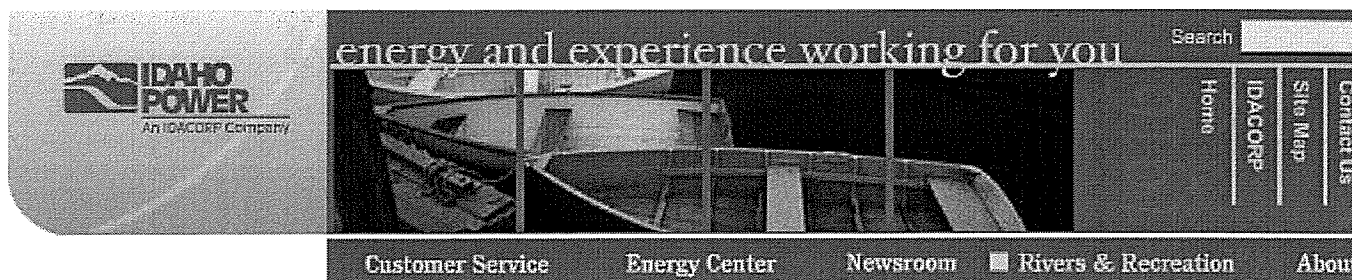
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Selected Station:		From:		To:																																																																																																			
13210050 - Boise River nr Middleton, Id (BOMI)		Aug. ▲ 2004 ▼ SET		Sep. ▲ 2004 ▼ SET																																																																																																			
Station #13210050		<table border="1"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td></tr> </table>		S	M	T	W	T	F	S	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	<table border="1"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> </table>		S	M	T	W	T	F	S	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9
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Data Quality-assured up to: Oct. 1, 2003 All others are provisional		Select Another Station		Refresh Dates ?																																																																																																			

PROVISIONAL AND SUBJECT TO REVISION

Flow		
08/16/2004 through 09/02/2004		
Date	Avg Flow (cfs)	Flag
08/16/2004	628.0	
08/17/2004	728.0	
08/18/2004	720.0	
08/19/2004	582.0	
08/20/2004	418.0	
08/21/2004	372.0	
08/22/2004	390.0	
08/23/2004	402.0	
08/24/2004	391.0	
08/25/2004	462.0	
08/26/2004	469.0	
08/27/2004	411.0	
08/28/2004	422.0	
08/29/2004	386.0	
08/30/2004	392.0	
08/31/2004	361.0	

Data Added Sept. 1



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Selected Station:		From:		To:																																																																																																			
13203000 - New York Canal near Boise, Id		Aug. 2004 SET		Sep. 2004 SET																																																																																																			
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PROVISIONAL AND SUBJECT TO REVISION

Flow		
08/23/2004 through 09/08/2004		
Date	Avg Flow (cfs)	Flag
08/23/2004	2169.0	
08/24/2004	2081.0	
08/25/2004	2064.0	Added 9/7/04
08/26/2004	2062.0	
08/27/2004	1943.0	
08/28/2004	1881.0	
08/29/2004	1880.0	
08/30/2004	1880.0	
08/31/2004	1880.0	
09/01/2004	1878.0	
09/02/2004	1877.0	
09/03/2004	1877.0	
09/04/2004	1879.0	
09/05/2004	1879.0	
09/06/2004	1879.0	

20040913

13203000 NEW YORK
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2003 TO OCTOBER 2004
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	0.0	0.0	0.0	448	0.0	0.0	1635	1388	2306	2243	1902	---
2	0.0	0.0	0.0	447	0.0	0.0	1636	1391	2306	2245	1893	---
3	0.0	0.0	0.0	448	0.0	0.0	1638	1385	2309	2241	1881	---
4	0.0	0.0	0.0	448	0.0	0.0	1697	1385	2313	2238	1883	---
5	0.0	0.0	0.0	448	0.0	570	1734	1384	2313	2245	1883	---
6	0.0	0.0	377	446	0.0	736	1734	1385	2311	2244	1883	---
7	0.0	0.0	379	445	0.0	877	1733	1479	2310	2247	1882	---
8	0.0	0.0	380	445	0.0	992	1735	1537	2307	2250	1883	---
9	0.0	0.0	380	572	0.0	1033	1735	1537	2307	2255	1882	---
10	0.0	0.0	380	646	0.0	1035	1735	1537	2308	2253	1879	---
11	0.0	0.0	380	647	0.0	1034	1741	1536	2309	2257	1878	---
12	0.0	0.0	413	647	0.0	1039	1744	1537	2287	2259	1878	---
13	0.0	0.0	448	648	0.0	1108	1745	1536	2289	2248	---	---
14	0.0	0.0	448	651	0.0	1197	1742	1599	2313	2247	---	---
15	0.0	0.0	448	653	0.0	1360	1742	1691	2316	2250	---	---
16	0.0	0.0	448	654	0.0	1433	1743	1730	2318	2253	---	---
17	0.0	0.0	447	657	0.0	1436	1741	1736	2319	2254	---	---
18	0.0	0.0	447	662	0.0	1469	1683	1841	2320	2248	---	---
19	0.0	0.0	447	665	0.0	1588	1576	1898	2323	2268	---	---
20	0.0	0.0	448	530	0.0	1630	1536	1900	2324	2293	---	---
21	0.0	0.0	447	0.0	0.0	1636	1537	1975	2329	2298	---	---
22	0.0	0.0	445	0.0	0.0	1640	1538	2120	2325	2301	---	---
23	0.0	0.0	445	0.0	0.0	1641	1539	2267	2326	2189	---	---
24	0.0	0.0	445	0.0	0.0	1642	1540	2316	2328	2081	---	---
25	0.0	0.0	445	0.0	0.0	1642	1538	2316	2330	2064	---	---
26	0.0	0.0	445	0.0	0.0	1639	1538	2317	2252	2062	---	---
27	0.0	0.0	446	0.0	0.0	1638	1536	2317	2254	1943	---	---
28	0.0	0.0	448	0.0	0.0	1642	1439	2316	2248	1881	---	---
29	0.0	0.0	448	0.0	0.0	1639	1383	2315	2246	1901	---	---
30	0.0	0.0	448	---	0.0	1635	1384	2310	2243	1902	---	---
31	---	0.0	448	---	0.0	---	1385	---	2243	1904	---	---
TOTAL	0	0	11177	11205	0	34929	50361	53982	71330	67564	22607	
MEAN	0.0	0.0	361	386	0.0	1164	1625	1799	2301	2179	1884	
MAX	0.0	0.0	448	665	0.0	1642	1745	2317	2330	2301	1902	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1383	1384	2243	1881	1878	
AC-FT	0	0	22170	22226	0	69281	99892	107074	141483	134012	44841	

IRRIGATION YEAR 2004 TOTAL 323156 MEAN 883 AC-FT 640980

Pace, Pamela

From: Richard Wells [RWELLS@pn.usbr.gov]
It: Friday, November 19, 2004 12:04 PM
To: pamela.pace@idwr.idaho.gov
Subject: Boise accounting

Hi Pam,

Lucky Peak contents did go negative at end of October. The zero point, active capacity, is at elevation 2,905.0. We were holding the elevation near that level for work on the powerplant intakes.

There is about 28,000 to 30,000 acre feet inactive below that elevation. A couple times the elevation dropped about 0.1 ft. below 2.905.0. Nothing is physically noticeable when that happens but it does go negative on the hydromet if we dip into inactive storage space.

Rick

hydromet data

13201500R2004286	2577	0.00
13201500R2004287	1794	0.00
13201500R2004288	719	0.00
13201500R2004289	-8	0.00
13201500R2004290	-8	0.00
13201500R2004291	8	0.36
13201500R2004292	97	0.11
13201500R2004293	186	0.22
13201500R2004294	210	0.00
13201500R2004295	121	0.01
13201500R2004296	170	0.12
13201500R2004297	202	0.34
13201500R2004298	137	0.01
13201500R2004299	40	0.00
13201500R2004300	-24	0.02
13201500R2004301	16	0.00
13201500R2004302	210	0.37
13201500R2004303	339	0.00
13201500R2004304	275	0.20
13201500R2004305	202	0.05
13201990D2003274	0.0	
13201990D2003275	0.0	

History file

132	0R2004282	7219	0.00
13201500R2004283	5886	0.00	
13201500R2004284	4513	0.00	
13201500R2004285	3100	0.00	
13201500R2004286	2577	0.00	
13201500R2004287	1794	0.00	
13201500R2004288	719	0.00	
13201500R2004289	0	0.00	
13201500R2004290	0	0.00	
13201500R2004291	8	0.36	
13201500R2004292	97	0.11	
13201500R2004293	186	0.22	
13201500R2004294	210	0.00	
13201500R2004295	121	0.01	
13201500R2004296	170	0.12	
13201500R2004297	202	0.34	
13201500R2004298	137	0.01	
13201500R2004299	40	0.00	
13201500R2004300	0	0.02	
13201500R2004301	16	0.00	
13201500R2004302	210	0.37	
13201500R2004303	339	0.00	

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date: 31-Oct-04

Supply:

Accounted for storage	898657.6
Unaccounted for storage	
Late season fill	24631.4
Total Storage Available	923289.0

Use:

Canals and pumps	(549738.4-2539-2557)	544642.4
Endangered species	(41,700-5499 United Water)	36201.0
Evaporation		19636.3
Rental Pool Use		618.0
Eagle Island Park Use		-65.3
Herrick Storage Use		-7.0
Fish and Game		2539.0
USBR Streamflow		2557.0
Operational Loss	(66065.5-36201-2539-2557)	24768.5
Total Storage Used		630889.9

Net Storage		292399.1
--------------------	--	-----------------

Actual Storage	(253,791+36,960)	290751.0
-----------------------	------------------	-----------------

Averaging Error		1648.1
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BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date:

31-Oct-04 (Restart)

Supply:

Accounted for storage
Unaccounted for storage
Late season fill
Total Storage Available

292402.1

292402.1

Use:

Canals and pumps
Endangered species
Flood Release
Fish and Game
USBR Streamflow
Evaporation
Operational Loss
Total Storage Used

Net Storage

292402.1

Actual Storage

(253,791+36,960)

290751.0

Averaging Error

1651.1

Resort Values for accounting are as follows:

Arrowrock

24104.8

Anderson Ranch

72849.1

Lucky Peak

191679.5

Unused rental and transfer

3768.7

5 = 195,448.2

20050107

TABLE 1. 2004 BOISE RIVER STORED WATER BY RESERVOIR
(ACRE-FEET)

RESERVOIR	SPACE	FILL	EVAPORATION	YIELD
ARROWROCK	272224.0	252261.0	4710.2	247550.8
ANDERSON RANCH	413770.4	382026.6	8894.3	373132.3
LUCKY PEAK	207531.0	207531.0	4735.0	202796.0
ANDERSON LST FIL	36259.6	0.0	0.0	0.0
LUCKY PEAK LST FIL	56839.0	56839.0	1296.8	55542.2
TOTAL	986624.0	898657.6	19636.3	879021.3

TABLE 2. 2004 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL
13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0
13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0
13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0
13201991	USBR INSTREAM	0.0	0.0	86513.0	0.0	16577.8	103090.8
13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0
13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0
13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0
13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0
13204060	ROSSI MILL	0.0	0.0	700.0	0.0	0.0	700.0
13204190	BOISE CITY	0.0	0.0	1000.0	0.0	0.0	1000.0
13204200	UNITED WATER	0.0	1000.0	800.0	0.0	0.0	1800.0
13205515	SETTLERS	2668.0	5675.0	10000.0	0.0	0.0	18343.0
13205517	DAVIS	0.0	0.0	1500.0	0.0	0.0	1500.0
13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0
13205640	FARMERS UNION	2779.0	5593.0	10000.0	0.0	0.0	18372.0
13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0
13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0
13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0
13206092	NEW UNION	0.0	0.0	1400.0	0.0	0.0	1400.0
13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0
13208710	MIDDLETON	0.0	0.0	11000.0	0.0	0.0	11000.0
13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0
13209482	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0
13209630	LITTLE PIONEER	0.0	2123.0	500.0	0.0	0.0	2623.0
13209990	CANYON COUNTY	0.0	0.0	6000.0	0.0	0.0	6000.0
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0
99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0
99999080	ANOSN UNCONTRACTED	0.0	696.4	0.0	36259.6	0.0	36956.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	40261.2	40261.2
99999100	EAGLE IS CANALS	0.0	0.0	1718.0	0.0	0.0	1718.0
	TOTAL	272224.0	413770.4	207531.0	36259.6	56839.0	986624.0

TABLE 3. 2004 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	ARROWROCK *-----ANDERSON RANCH-----*			*-----LUCKY PEAK-----*		
		STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILL
13189600	TRINITY SPRINGS	0.0	777.5	22.5	800.0	0.0	0.0
13201050	LUCKY PEAK NURSERY	176.1	0.0	0.0	0.0	0.0	0.0
13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	46007.0	3993.0
13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	75630.8	10882.2
13203000	NEW YORK	223624.2	132864.0	206114.3	338978.3	0.0	0.0
13203527	SURPRIS VY/MICRON	0.0	2915.5	84.5	3000.0	0.0	0.0
13203760	RIDENBAUGH	3515.8	0.0	8668.4	8668.4	0.0	0.0
13204005	BUBB	0.0	311.7	219.3	531.0	0.0	0.0
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	580.4	119.6
13204190	BOISE CITY	0.0	0.0	0.0	0.0	918.6	81.4
13204200	UNITED WATER	0.0	879.5	120.5	1000.0	786.9	13.1
13205515	SETTLERS	2472.3	3672.8	2002.2	5675.0	9836.1	163.9
13205517	DAVIS	0.0	0.0	0.0	0.0	1377.2	122.8
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	781.1	18.9
13205640	FARMERS UNION	2575.2	0.0	3279.1	3279.1	9560.1	439.9
13205641	BOISE VALLEY	0.0	0.0	550.5	550.5	1200.5	1299.5
13205643	CAPITOL VIEW	0.0	436.4	12.6	449.0	0.0	0.0
13206090	NEW DRY CREEK	0.0	894.7	371.3	1266.0	2950.8	49.2
13206092	NEW UNION	0.0	0.0	0.0	0.0	622.6	777.4
13206265	BALLENTYNE	0.0	258.9	108.1	367.0	1278.7	21.3
13208710	MIDDLETON	0.0	0.0	0.0	0.0	7173.7	3826.3
13209480	PHYLLIS	18835.4	0.0	14649.2	14649.2	8945.7	7054.3
13209482	EUREKA #1	0.0	0.0	0.0	0.0	1169.2	1630.8
13209630	LITTLE PIONEER	0.0	2059.6	63.4	2123.0	491.8	8.2
13209990	CANYON COUNTY	0.0	0.0	0.0	0.0	4104.5	1895.5
13210992	SEBREE	1062.0	0.0	0.0	0.0	0.0	0.0
99999050	ANDERSON OAM POWER	0.0	5.9	0.1	6.0	0.0	0.0
99999080	ANDSN UNCONTRACTED	0.0	275.8	408.3	684.1	0.0	0.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0
99999100	EAGLE IS CANALS	0.0	0.0	0.0	0.0	1383.4	334.6
TOTAL		252261.0	145352.3	236674.3	382026.6	174799.1	32731.9

TABLE 3 (CONTINUED). 2004 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER	*ANDERSON RANCH LAST FILL * CARRYOVER NEW FILL STORAGE	*-- LUCKY PEAK LAST FILL --* CARRYOVER NEW FILL STORAGE	*----- TOTAL -----* CARRYOVER NEW FILL STORAGE
13189600	TRINITY SPRINGS	0.0 0.0 0.0	0.0 0.0 0.0	777.5 22.5 800.0
13201050	LUCKY PEAK NURSERY	0.0 0.0 0.0	0.0 0.0 0.0	0.0 176.1 176.1
13201990	F&G INSTREAM	0.0 0.0 0.0	0.0 0.0 0.0	46007.0 3993.0 50000.0
13201991	USBR INSTREAM	0.0 0.0 0.0	0.0 16577.8 16577.8	75630.8 27460.0 103090.8
13203000	NEW YORK	0.0 0.0 0.0	0.0 0.0 0.0	132864.0 429738.5 562602.5
13203527	SURPRIS VY/MICRON	0.0 0.0 0.0	0.0 0.0 0.0	2915.5 84.5 3000.0
13203760	RIDENBAUGH	0.0 0.0 0.0	0.0 0.0 0.0	0.0 12184.1 12184.1
13204005	BUBB	0.0 0.0 0.0	0.0 0.0 0.0	311.7 219.3 531.0
13204060	ROSSI MILL	0.0 0.0 0.0	0.0 0.0 0.0	580.4 119.6 700.0
13204190	BOISE CITY	0.0 0.0 0.0	0.0 0.0 0.0	918.6 81.4 1000.0
13204200	UNITED WATER	0.0 0.0 0.0	0.0 0.0 0.0	1666.4 133.6 1800.0
13205515	SETTLERS	0.0 0.0 0.0	0.0 0.0 0.0	13508.9 4638.4 18147.3
13205517	DAVIS	0.0 0.0 0.0	0.0 0.0 0.0	1377.2 122.8 1500.0
13205622	THURMAN MILL	0.0 0.0 0.0	0.0 0.0 0.0	781.1 18.9 800.0
13205640	FARMERS UNION	0.0 0.0 0.0	0.0 0.0 0.0	9560.1 6294.3 15854.4
13205641	BOISE VALLEY	0.0 0.0 0.0	0.0 0.0 0.0	1200.5 1850.0 3050.5
13205643	CAPITOL VIEW	0.0 0.0 0.0	0.0 0.0 0.0	436.4 12.6 449.0
13206090	NEW DRY CREEK	0.0 0.0 0.0	0.0 0.0 0.0	3845.5 420.5 4266.0
13206092	NEW UNION	0.0 0.0 0.0	0.0 0.0 0.0	622.6 777.4 1400.0
13206265	BALLENTYNE	0.0 0.0 0.0	0.0 0.0 0.0	1537.6 129.4 1667.0
13208710	MIDDLETON	0.0 0.0 0.0	0.0 0.0 0.0	7173.7 3826.3 11000.0
13209480	PHYLLIS	0.0 0.0 0.0	0.0 0.0 0.0	8945.7 40538.9 49484.6
13209482	EUREKA #1	0.0 0.0 0.0	0.0 0.0 0.0	1169.2 1630.8 2800.0
13209630	LITTLE PIONEER	0.0 0.0 0.0	0.0 0.0 0.0	2551.4 71.6 2623.0
13209990	CANYON COUNTY	0.0 0.0 0.0	0.0 0.0 0.0	4104.5 1895.5 6000.0
13210992	SEBREE	0.0 0.0 0.0	0.0 0.0 0.0	0.0 1062.0 1062.0
99999050	ANDERSON DAM POWER	0.0 0.0 0.0	0.0 0.0 0.0	5.9 0.1 6.0
99999080	ANDSN UNCONTRACTED	0.0 0.0 0.0	0.0 0.0 0.0	275.8 408.3 684.1
99999090	USBR UNCONTRACTED	0.0 0.0 0.0	0.0 40261.2 40261.2	0.0 40261.2 40261.2
99999100	EAGLE IS CANALS	0.0 0.0 0.0	0.0 0.0 0.0	1383.4 334.6 1718.0
TOTAL		0.0 0.0 0.0	0.0 56839.0 56839.0	320151.4 578506.3 898657.6

TABLE 4. 2004 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL AFTER LOSS	
13189600	TRINITY SPRINGS	0.0	781.4	0.0	781.4	0.0	0.0	781.4	753.5
13201050	LUCKY PEAK NURSERY	172.8	0.0	0.0	172.8	0.0	0.0	172.8	166.6
13201990	F&G INSTREAM	0.0	0.0	48859.2	48859.2	0.0	0.0	48859.2	48859.2
13201991	USBR INSTREAM	0.0	0.0	100738.7	100738.7	-2357.4	0.0	98381.3	98381.3
13203000	NEW YORK	219448.7	331086.2	0.0	550535.0	-33014.0	0.0	517521.0	499061.0
13203527	SURPRIS VY/MICRON	0.0	2930.2	0.0	2930.2	0.0	0.0	2930.2	2825.6
13203760	RIDENBAUGH	3450.1	8466.6	0.0	11916.7	33014.0	0.0	44930.7	43328.0
13204005	BUBB	0.0	518.6	0.0	518.6	0.0	0.0	518.6	500.1
13204060	ROSSI MILL	0.0	0.0	684.0	684.0	0.0	0.0	684.0	659.6
13204190	BOISE CITY	0.0	0.0	977.2	977.2	0.0	0.0	977.2	942.3
13204200	UNITED WATER	0.0	976.7	781.7	1758.5	2357.4	5241.6	9357.5	9023.7
13205515	SETTLERS	2426.2	5542.9	9771.8	17740.9	0.0	0.0	17740.9	17108.1
13205517	DAVIS	0.0	0.0	1465.8	1465.8	0.0	0.0	1465.8	1413.5
13205622	THURMAN MILL	0.0	0.0	781.7	781.7	0.0	0.0	781.7	753.9
13205640	FARMERS UNION	2527.1	3202.8	9771.8	15501.8	0.0	0.0	15501.8	14948.8
13205641	BOISE VALLEY	0.0	537.7	2443.0	2980.7	0.0	-1000.0	1980.7	1910.0
13205643	CAPITOL VIEW	0.0	438.5	0.0	438.5	0.0	-420.0	18.5	17.9
13206090	NEW DRY CREEK	0.0	1236.5	2931.6	4168.1	0.0	0.0	4168.1	4019.4
13206092	NEW UNION	0.0	0.0	1368.1	1368.1	0.0	-298.0	1070.1	1031.9
13206265	BALLENTYNE	0.0	358.5	1270.3	1628.8	0.0	0.0	1628.8	1570.7
13208710	MIDDLETON	0.0	0.0	10749.0	10749.0	0.0	0.0	10749.0	10365.6
13209480	PHYLLIS	18483.7	14308.1	15634.9	48426.8	0.0	0.0	48426.8	46699.4
13209482	EUREKA #1	0.0	0.0	2736.1	2736.1	0.0	0.0	2736.1	2638.5
13209630	LITTLE PIONEER	0.0	2073.6	488.6	2562.2	0.0	0.0	2562.2	2470.8
13209990	CANYON COUNTY	0.0	0.0	5863.1	5863.1	0.0	0.0	5863.1	5654.0
13210992	SEBREE	1042.1	0.0	0.0	1042.1	0.0	-1000.0	42.1	40.6
99999050	ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9	5.9
99999080	ANDSN UNCONTRACTED	0.0	668.2	0.0	668.2	0.0	0.0	668.2	668.2
99999090	USBR UNCONTRACTED	0.0	0.0	39342.6	39342.6	0.0	-39342.6	0.0	0.0
99999100	EAGLE IS CANALS	0.0	0.0	1678.8	1678.8	0.0	0.0	1678.8	1618.9
99999200	ENDANGERED SPECIES	0.0	0.0	0.0	0.0	0.0	36201.0	36201.0	36201.0
99999950	BOISE R WATER BANK	0.0	0.0	0.0	0.0	0.0	618.0	618.0	618.0
TOTAL		247550.8	373132.3	258338.2	879021.3	0.0	0.0	879021.3	854255.9

TABLE 5. 2004 BOISE RIVER RESERVOIR STORAGE ACCOUNTS - OCTOBER 31. (ACRE-FEET)

NUMBER	USER	BEGINNING STORAGE	STORAGE USED	BALANCE OCT 31	UNUSED TRANSFERS	UNUSED BANK	EXCESS USED	ARROWROCK UNUSED	ANDERSON CARRYOVER	LUCKY PEAK CARRYOVER
13189600	TRINITY SPRINGS	753.5	10.0	743.5	0.0	0.0	0.0	0.0	743.5	0.0
13201050	LUCKY PEAK NURSERY	166.6	166.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13201990	F&G INSTREAM	48859.2	2538.9	46320.3	0.0	0.0	0.0	0.0	0.0	46320.3
13201991	USBR INSTREAM	98381.3	2556.7	95824.6	0.0	0.0	0.0	0.0	0.0	95824.6
13203000	NEW YORK	499061.0	434633.7	64427.3	0.0	0.0	0.0	0.0	64427.3	0.0
13203527	SURPRIS VY/MICRON	2825.6	0.0	2825.6	0.0	0.0	0.0	0.0	2825.6	0.0
13203760	RIDENBAUGH	43328.0	43327.9	0.1	0.0	0.0	0.0	0.0	0.1	0.0
13204005	BUBB	500.1	217.0	283.1	0.0	0.0	0.0	0.0	283.1	0.0
13204060	ROSSI MILL	659.6	134.0	525.6	0.0	0.0	0.0	0.0	0.0	525.6
13204190	BOISE CITY	942.3	0.0	942.3	0.0	0.0	0.0	0.0	0.0	942.3
13204200	UNITED WATER	9023.7	3496.6	5527.1	2305.3	1463.4	0.0	0.0	976.7	781.7
13205515	SETTLERS	17108.1	6776.3	10331.8	0.0	0.0	0.0	0.0	559.9	9771.8
13205517	DAVIS	1413.5	525.3	888.2	0.0	0.0	0.0	0.0	0.0	888.2
13205622	THURMAN MILL	753.9	0.0	753.9	0.0	0.0	0.0	0.0	0.0	753.9
13205640	FARMERS UNION	14948.8	8458.1	6490.7	0.0	0.0	0.0	0.0	0.0	6490.7
13205641	BOISE VALLEY	1910.0	768.6	1141.4	0.0	0.0	0.0	0.0	0.0	1141.4
13205643	CAPITOL VIEW	17.9	0.0	17.9	0.0	0.0	0.0	0.0	17.9	0.0
13206090	NEW DRY CREEK	4019.4	729.5	3289.9	0.0	0.0	0.0	0.0	358.3	2931.6
13206092	NEW UNION	1031.9	440.1	591.8	0.0	0.0	0.0	0.0	0.0	591.8
13206265	BALLENTYNE	1570.7	300.0	1270.7	0.0	0.0	0.0	0.0	0.4	1270.3
13206274	EAGLE ISLAND PARK	0.0	65.3	-65.3	0.0	0.0	0.0	0.0	0.0	0.0
13208710	MIDDLETON	10365.6	4103.0	6262.6	0.0	0.0	0.0	0.0	0.0	6262.6
13209480	PHYLLIS	46699.4	36647.8	10051.6	0.0	0.0	0.0	0.0	0.0	10051.6
13209482	EUREKA #1	2638.5	1347.8	1290.7	0.0	0.0	0.0	0.0	0.0	1290.7
13209630	LITTLE PIONEER	2470.8	0.0	2470.8	0.0	0.0	0.0	0.0	1982.2	488.6
13209990	CANYON COUNTY	5654.0	2162.5	3491.5	0.0	0.0	0.0	0.0	0.0	3491.5
13210992	SEBREE	40.6	0.0	40.6	0.0	0.0	0.0	40.6	0.0	0.0
99999050	ANDERSON DAM POWER	5.9	0.0	5.9	0.0	0.0	0.0	0.0	5.9	0.0
99999080	ANDSN UNCONTRACTED	668.2	0.0	668.2	0.0	0.0	0.0	0.0	668.2	0.0
99999090	USBR UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99999100	EAGLE IS CANALS	1618.9	326.0	1292.9	0.0	0.0	0.0	0.0	0.0	1292.9
99999200	ENDANGERED SPECIES	36201.0	36201.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99999950	BOISE R WATER BANK	618.0	618.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		854256.1	586550.7	267705.4	2305.3	1463.4	0.0	40.6	72849.1	191112.3

20050107

TABLE 6. 2004 WATER DISTRICT 63 RESERVOIR TOTAL STORAGE - OCTOBER 31 (ACRE-FEET)

RESERVOIR	CARRYOVER	LATE FILL	TOTAL
ARROWROCK	40.6	24064.2	24104.8
ANDERSON RANCH	72849.1	0.0	72849.1
LUCKY PEAK	191112.3	567.2	191679.5
ANDERSON LST FIL	0.0	0.0	0.0
LUCKY PEAK LST FIL	0.0	0.0	0.0
UNUSED BANK AND TRANSFERS			3768.7
TOTAL	264002.1	24631.4	292402.1



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street, P.O. Box 83720, Boise, ID 83720-0098

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DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

FAX TRANSMITTAL COVER SHEET

DATE: 1/10/2005

TO: Frank Youngkin
FAX 387-1372

FROM: Pamela Pace
IDAHO DEPT OF WATER
RESOURCES

DOCUMENT DESCRIPTION: Boise River Diversions

COMMENTS: _____

COVER SHEET + 2 PAGES

PLEASE CONTACT _____ @ 287-_____
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DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2356	---	---	---	448	---	1.8	2405	2128	3149	3047	2606
2	2357	---	---	---	447	---	1.8	2415	2137	3151	3039	2596
3	2352	---	---	---	448	---	1.9	2426	2137	3146	3035	2583
4	2351	---	---	---	448	---	1.9	2487	2143	3150	3031	2585
5	2352	---	---	---	448	---	712	2527	2147	3151	3036	2584
6	2084	---	---	377	446	---	878	2527	2155	3144	3034	2585
7	1952	---	---	379	445	---	1019	2529	2266	3141	3035	2583
8	1270	---	---	380	445	---	1234	2532	2324	3135	3026	2581
9	271	---	---	380	572	---	1336	2533	2326	3134	3026	2566
10	177	---	---	380	646	---	1344	2536	2329	3133	3024	2560
11	177	---	---	380	647	---	1350	2541	2330	3131	3028	2558
12	177	---	---	413	647	---	1454	2544	2333	3106	3030	2556
13	177	---	---	448	648	---	1581	2544	2335	3109	3018	2490
14	178	---	---	448	651	---	1706	2540	2401	3132	3017	2449
15	90	---	---	448	653	---	1942	2540	2494	3134	3019	2430
16	3.2	---	---	448	654	---	2031	2540	2536	3135	3023	2347
17	2.5	---	---	447	657	---	2044	2538	2545	3134	3024	2283
18	2.5	---	---	447	662	---	2087	2480	2652	3135	3017	2280
19	2.5	---	---	447	665	---	2216	2370	2712	3136	3037	2281
20	2.5	---	---	448	530	---	2268	2326	2716	3137	3052	2269
21	2.5	---	---	447	---	---	2286	2323	2794	3139	3056	2253
22	2.5	---	---	445	---	---	2301	2321	2943	3133	3058	2249
23	2.5	---	---	445	---	---	2314	2319	3093	3133	2931	2248
24	2.5	---	---	445	---	---	2334	2317	3146	3133	2811	2249
25	2.5	---	---	445	---	---	2354	2310	3148	3133	2787	2246
26	2.5	---	---	445	---	---	2370	2304	3153	3054	2777	2248
27	2.5	---	---	446	---	---	2370	2298	3156	3056	2650	2214
28	2.5	---	---	448	---	---	2383	2156	3158	3050	2586	2189
29	2.5	---	---	448	---	---	2390	2094	3157	3048	2605	2189
30	2.5	---	---	448	---	---	2395	2090	3153	3046	2605	2190
31	0.0	---	---	448	---	---	---	2090	---	3047	2608	---
TOTAL	18359			11177	11205		48706	74499	78047	96697	91071	72047
MEAN	592			430	560		1624	2403	2602	3119	2938	2402
MAX	2357			448	665		2395	2544	3158	3151	3058	2606
MIN	0.0			377	445		1.8	2090	2128	3046	2586	2189
AC-FT	36416			22170	22226		96608	147769	154806	191798	180640	142906
	WATER YEAR 2004		TOTAL	501810	MEAN	1371	AC-FT	995339				

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date:

16-Jun-04 Restart

Supply:

Accounted for storage	898657.6
Unaccounted for storage	0.0
Late season fill	
Total Storage Available	898657.6

Use:

Canals and pumps	1464.2
Stored flow passing Middleton	
Endangered species	
Flood Release	
Operational Flow	11715.0
Release due to Arrowrock Construction	
Total Passing Middleton	11715.0
Evaporation	7176.2
Fish and Game	
USBR Streamflow	
Total Storage Used	20355.4
Net Storage	878302.2
Actual Storage	(840137+39,960)
Averaging Error	-1794.8

Unaccounted for storage is flood control water without a right. This is added to Anderson Ranch for the restart.

19,963 Acre-Feet is stored flow released due to Arrowrock valve construction.

Reservoir storage is reset as follows:

Arrowrock - 252,261 Acre-Feet (full - 19,963)

Anderson Ranch - 382026.6 Acre-Feet (Fill + Unaccounted)

Lucky Peak - 264,370 AF (full)

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

	Date:	16-Jun-04
Supply:		
Accounted for storage		890935.2
Unaccounted for storage		27685.4
Late season fill		
Total Storage Available		918620.6
Use:		
Canals and pumps		1464.2
Stored flow passing Middleton		
Endangered species		
Flood Release		
Operational Flow		11715.0
Release due to Arrowrock Construction		19963.0
Total Passing Middleton	(107235.0-24754-50803)	31678.0
Evaporation		7176.2
Fish and Game		
USBR Streamflow		
Total Storage Used		40318.4
Net Storage		878302.2
Actual Storage	(840137+39,960)	880097.0
Averaging Error		-1794.8

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

	Date:	16-Jun-04 Restart
Supply:		
Accounted for storage		898657.6
Unaccounted for storage		0.0
Late season fill		
Total Storage Available		898657.6
Use:		
Canals and pumps		1464.2
Stored flow passing Middleton		
Endangered species		
Flood Release		
Operational Flow		11715.0
Release due to Arrowrock Construction		
Total Passing Middleton		11715.0
Evaporation		7176.2
Fish and Game		
USBR Streamflow		
Total Storage Used		20355.4
Net Storage		878302.2
Actual Storage	(840137+39,960)	880097.0
Averaging Error		-1794.8

Unaccounted for storage is flood control water without a right. This is added to Anderson Ranch for the restart.

19,963 Acre-Feet is stored flow released due to Arrowrock valve construction.

Reservoir storage is reset as follows:

Arrowrock - 252,261 Acre-Feet (full - 19,963)

Anderson Ranch - 382026.6 Acre-Feet (Fill + Unaccounted)

Lucky Peak - 264,370 AF (full)

BOISE RIVER STORED WATER SUPPLY (ACRE-FEET)

Date: 16-Jun-04

Supply:

Accounted for storage	890935.2
Unaccounted for storage	27685.4
Late season fill	
Total Storage Available	918620.6

Use:

Canals and pumps	1464.2
Stored flow passing Middleton	
Endangered species	
Flood Release	
Operational Flow	11715.0
Release due to Arrowrock Construction	19963.0
Total Passing Middleton	(107235.0-24754-50803) 31678.0
Evaporation	7176.2
Fish and Game	
USBR Streamflow	
Total Storage Used	40318.4
Net Storage	878302.2
Actual Storage	(840137+39,960) 880097.0
Averaging Error	-1794.8