

MAY 01 2013

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DEPARTMENT OF
WATER RESOURCES

*Attorneys for American Falls
Reservoir District #2*

**BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO**

IN THE MATTER OF DISTRIBUTION OF)
WATER TO VARIOUS WATER RIGHTS)
HELD BY OR FOR THE BENEFIT OF)
A&B IRRIGATION DISTRICT,)
AMERICAN FALLS RESERVOIR)
DISTRICT #2, BURLEY IRRIGATION)
DISTRICT, MILNER IRRIGATION)
DISTRICT, MINIDOKA IRRIGATION)
DISTRICT, NORTH SIDE CANAL)
COMPANY, AND TWIN FALLS)
CANAL COMPANY)
_____)

Docket No. CM-DC-2010-001

**SURFACE WATER COALITION'S
PETITION FOR RECONSIDERATION
AND REQUEST FOR HEARING ON
FINAL ORDER REGARDING APRIL
2013 FORECAST SUPPLY**

**MOTION TO AUTHORIZE
DISCOVERY**

COME NOW, A&B Irrigation District, American Falls Reservoir District #2, Burley Irrigation District, Milner Irrigation District, Minidoka Irrigation District, North Side Canal Company, and Twin Falls Canal Company (collectively hereafter referred to as the “Surface Water Coalition”, “Coalition”, or “SWC”), by and through counsel of record, and hereby submit their *Petition for Reconsideration and Request for Hearing on Final Order Regarding April 2013 Forecast Supply / Motion to Authorize Discovery* pursuant to Idaho Code § 42-1701A(3) and the Department’s Rules of Procedure (IDAPA 37.01.01. *et seq.*).

INITIAL REASONS FOR PETITION

On April 17, 2013, the Director issued his *Final Order Regarding April 2013 Forecast Supply (Methodology Steps 1 - 4)* (“April Forecast Order”). The April Forecast Order purports to implement Steps 1-4 of the *Second Amended Final Order Regarding Methodology for Determining Material Injury to Reasonable In-Season Demand and Reasonable Carryover* (“Methodology Order”).¹ With respect to Step 3, the Methodology Order provides the following:

Typically within the first two weeks of April, the USBR and USACE issue their Joint Forecast that predicts an unregulated inflow volume at the Heise Gage for the period April 1 through July 31. Within fourteen (14) days after issuance of the Joint Forecast, the Director will predict and issue an April Forecast Supply for the water year and will compare the April Forecast Supply to the baseline demand (“BD”) to determine if a demand shortfall (“DS”) is anticipated for the upcoming irrigation season. A separate April Forecast Supply and DS will be determined for each member of the SWC.

Methodology Order at 35.

In the April Forecast Order the Director implements the above-referenced Step 3 as follows:

¹ The Director’s Methodology Order is currently on appeal to the Twin Falls County District Court (consolidated cases CV-2010-382 *et al.*). The district court judicial review proceeding is stayed until the Idaho Supreme Court issues a decision in consolidated appeal no. 38191-2010.

12. On April 3, 2013, the Joint Forecast was announced, predicting an unregulated inflow of 2,650,000 acre-feet at the Snake River near Heise gage for the period of April through July. The Joint Forecast “is generally as accurate a forecast as is possible using current data gathering and forecasting techniques.” *Methodology Order* at 9. The forecasted flow volume equates to 82% percent of average and is most similar to the flow volume experienced in 2010. The Heise forecast was used in regression equations for each SWC entity to predict the natural flow supply. Given the predicted supply, it is anticipated that an additional 563,300 acre-feet will accrue to the storage rights after April 1.

13. The storage allocation is based on the average of the 2002 and 2004 reservoir rights’ fill after April 1; 718,500 acre-feet and 408,000 acre-feet, respectively. While this year’s predicted runoff volume is similar to that experienced in 2010, it was not considered for a representative year because the current snowpack conditions and the near-term forecast climatic conditions are not similar. . . . The current snowpack above Palisades has not begun to melt and has increased from the beginning of the month. . . . Given that the snow above Palisades has not begun to melt as it did in 2004, and that is unknown if the snow will remain as long as it did in 2002, the average of the 2002 and 2004 reservoir accrual was chosen for 2013 fill.

14. The Department predicts that Jackson, American Falls, Palisades winter water savings, and Lake Walcott will have 100% storage allocations. The 1939 Palisades Reservoir right is expected to fill 535,000 acre-feet, resulting in a 59% storage allocation. Reservoir evaporation is assumed to be 3%, which is similar to the total evaporation charges in both 2002 and 2004.

April Forecast Order at 2-3.

The Director’s reliance upon a 2002/2004 average of the SWC’s reservoir rights’ fill after April 1st to predict storage allocations in 2013 is incorrect and not representative of actual hydrologic conditions that exist in the Upper Snake River Basin. Water District 01 released information yesterday showing that the American Falls 1921 storage right is still short of filling by 168,000 acre-feet. *See* Ex. A (April 30, 2012 Weekly Report). This information also shows that early season storage use, both above and below American Falls Reservoir, “is not expected to be cancelled because excess water has not spilled past Milner this year.” *Id.* Further, the Water District 01 report predicts that if “weather conditions are very dry, it ***could result in very little new fill in the Palisades and Island Park storage rights.***” *Id.* (emphasis added).

Accordingly, the Director's predicted fill of 59% of the Palisades 1939 water right is erroneous and not based upon the best available hydrologic information.

In addition, the Director's predicted natural flow supply available to the SWC is incorrect and not based upon the best available hydrologic information either. *See* Ex. A. Presently, only the October 7, 1905 water rights are projected to receive any natural flow below Blackfoot. While this priority will likely vary depending upon the runoff conditions that may occur, several SWC members have already begun to use storage water to meet their landowners' and shareholders' irrigation demands.

With respect to forecasting the available natural flow this year TFCC has developed a predictive tool to identify estimated available natural flow below American Falls after June 30th. *See* Ex. B. The predictive tool also estimates TFCC's storage requirement of 256,478 acre-feet and 292,890 acre-feet pursuant to an 80% exceedance planning number. The information is based upon a model of hydrologic factors that provides a more accurate planning forecast than the forecasted unregulated inflow at Heise (April – July). Accordingly, the Director should consider this updated information for purposes of predicting available natural flow to the SWC members during the 2013 irrigation season.

In sum, the Director's over-prediction of total water supply results in an underestimated demand shortfall (TFCC – 14,200 acre-feet, AFRD #2 – 14,605 acre-feet).² The April Forecast Order should be reconsidered and revised to use the correct and most current and accurate information available to the Director. Stated another way, the Coalition requests the Director to reconsider the April Forecast Order since it does not allow for the adaptive management of the provision of water to the extent that the initial April forecast prediction proves incorrect, based

² Orders regarding the Director's instructions to the Water District 01 Watermaster and administration regarding AFRD #2's water right 1-6 have been challenged and are subject to separate petitions requesting hearings that are pending before IDWR.

upon the best available hydrologic information. At a minimum, the Director's prediction of reservoir fill must be reconsidered in light of current available information provided by Water District 01.

REQUEST FOR HEARING

The SWC, pursuant to Idaho Code § 42-1701A(3) and Rule 740.02.b of the Department's Rules of Procedure, hereby requests a hearing on the Director's April Forecast Order. The SWC reserves the right to amend this petition as necessary.

MOTION TO AUTHORIZE DISCOVERY

The SWC hereby moves for order authorizing discovery in this matter pursuant to Rule 521 of the Department's Rules of Procedure. The SWC requests the opportunity to discover the factual basis and analysis performed by the Director in issuing the *Final Order Regarding 2013 Forecast Supply (Methodology Steps 1-4)*.

DATED this 15th day of May, 2013.

BARKER ROSHOLT & SIMPSON LLP



Travis L. Thompson

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Burley Irrigation District, Miler Irrigation
District, North Side Canal Company, and
Twin Falls Canal Company*

FLETCHER LAW OFFICE



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C. Tom Arkoosh

Attorneys for American Falls Reservoir District #2

CERTIFICATE OF SERVICE

I hereby certify that on this 1st day of May, 2013, I served a true and correct copy of the foregoing *Surface Water Coalition's Petition for Reconsideration and Request for Hearing on Final Order Regarding April 2013 Forecast Supply / Motion to Authorize Discovery* on the following by the method indicated:

<p>Director Gary Spackman c/o Deborah Gibson State of Idaho Dept of Water Resources 322 E Front St Boise ID 83720-0098 *** service by electronic mail</p> <p>facsimile – 208-287-6700 gary.spackman@idwr.idaho.gov deborah.gibson@idwr.idaho.gov</p>	<p>Matt Howard U.S. Bureau of Reclamation 1150 N. Curtis Rd. Boise ID 83706-1234</p> <p>*** service by electronic mail only</p> <p>mhoward@pn.usbr.gov emcgarry@pn.usbr.gov</p>	<p>IDWR – Eastern Region 900 N. Skyline Dr., Suite A Idaho Falls, ID 83402-1718</p> <p>*** service by electronic mail only lyle.swank@idwr.idaho.gov</p>
<p>Randy Budge Candice McHugh Racine Olson PO Box 1391 Pocatello ID 83204-1391 *** service by electronic mail only</p> <p>rcb@racinelaw.net cmm@racinelaw.net</p>	<p>Sarah A. Klahn Mitra Pemberton White & Jankowski, LLP 511 Sixteenth Street, Suite 500 Denver, CO 80202</p> <p>*** service by electronic mail only facsimile – 303-825-5632 sarahk@white-jankowski.com mitrap@white-jankowski.com</p>	<p>David Gehlert ENRD – DOJ 999 18th St. South Terrace, Suite 370 Denver, CO 80202</p> <p>*** service by electronic mail only david.gehlert@usdoj.gov</p>
<p>A. Dean Tranmer City of Pocatello PO Box 4169 Pocatello ID 83201 *** service by electronic mail only</p> <p>facsimile – 208-234-6297 dtranmer@pocatello.us</p>	<p>William A. Parsons Parsons, Smith & Stone LLP P.O. Box 910 Burley, ID 83318</p> <p>*** service by electronic mail only</p> <p>wparsons@pmt.org</p>	<p>IDWR – Southern Region 1341 Fillmore St., Suite 200 Twin Falls, ID 83301-3380</p> <p>*** service by electronic mail only allen.merriitt@idwr.idaho.gov cindy.yenter@idwr.idaho.gov</p>
<p>Michael C Creamer Jeffrey C. Fereday Givens Pursley 601 W Bannock St Ste 200 PO Box 2720 Boise ID 83701-2720 *** service by electronic mail only</p> <p>mcc@givenspursley.com jcf@givenspursley.com</p>	<p>Kathleen Carr US Dept Interior, Office of Solicitor Pacific Northwest Region, Boise 960 Broadway Ste 400 Boise ID 83706</p> <p>*** service by electronic mail only facsimile – 208-334-1918</p> <p>kathleenmarion.carr@sol.doi.gov</p>	



Travis L. Thompson

Exhibit A

WATER REPORT – April 30, 2013

As canals began diverting water over the past two weeks, and with additional diversions occurring the upcoming weeks, water-right priorities will likely be fluctuating between 1903 and 1915 priorities. Canals are cautioned to stay within their natural-flow water rights if they don't want to divert part of their storage supply early in the irrigation season.

Last week, canals were diverting approximately 12,000 cfs, using the entire 9,000 cfs of system natural flow plus an additional 3,000 cfs (or 6,000 ac-ft) of storage per day. That's why both American Falls and Palisades Reservoirs' physical contents have been declining over this past week. Natural flow was only sufficient to fill up to 1903 priorities earlier in the week but rebounded slightly to 1915 priorities that resulted from warmer temperatures increasing snowmelt and natural flow by the end of the week.

With increased diversions combining with cooler temperatures forecasted for this upcoming week, priorities could fall back to 1903 levels. "High water rights" are not expected to be filled until warmer temperatures have increased snowmelt rates resulting in greater amounts of natural flow.

The American Falls storage water right is still 168,300 ac-ft short of filling and hasn't received any additional fill into its 1921-priority water right since April 23rd. The Island Park and Palisades storage water rights won't get any new fill for this season until snowmelt increases to an amount that's sufficient to finish filling the 1921 American Falls storage right and then begin filling the 1935 Island Park and 1939 Palisades storage rights. This won't occur until peak runoff begins sometime between mid-May and late-June. The amounts and times these junior storage priorities will be filling can vary greatly and will depend on future weather conditions. If weather conditions are very dry, it could result in very little new fill in the Palisades and Island Park storage rights. Normal conditions could result in a partial fill, and extremely wet conditions could result in nearly filling the junior storage rights.

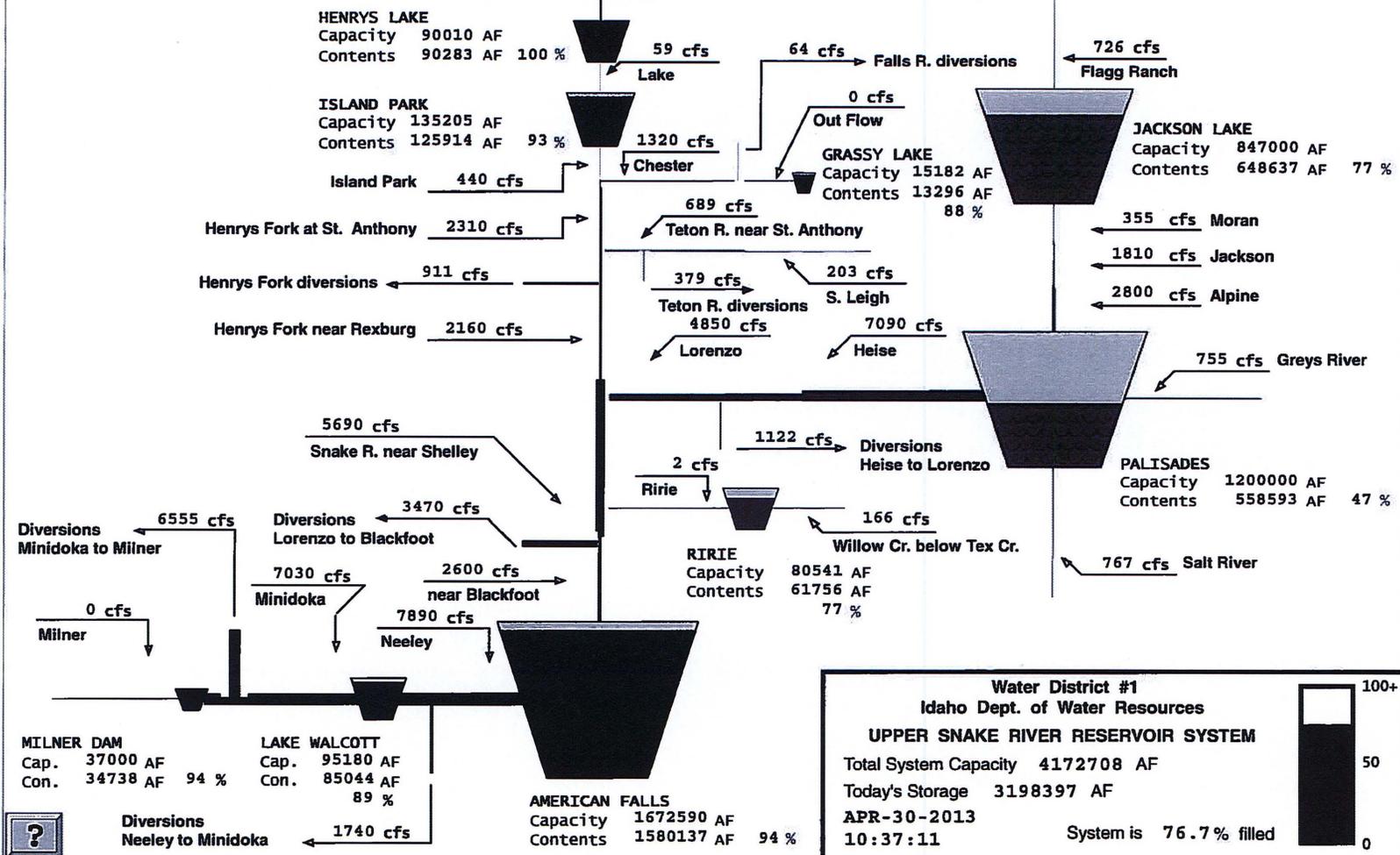
Attached is a report showing the projected priority dates for today and the diversion amounts for the "actual date" shown alongside each diversion. The AF USED amounts are the amounts of storage used by the diversions since November 1, 2012 that will be deducted from the eventual storage allocated to diversions for the 2013 season. Unlike many other years when excess water has spilled past Milner, storage usage beginning November 1st at the beginning of this season is not expected to be cancelled because excess water has not spilled past Milner this year. Updated projected priorities and canal usage is posted periodically during the week on the www.waterdistrict1.com webpage.

The Bureau of Reclamation has indicated it will begin releasing its 60,000 ac-ft of rental-pool storage and its uncontracted storage past Milner Dam for flow augmentation beginning at a rate of 2,400 cfs from May 1st to June 2nd. The release of Idaho Power's storage is expected to immediately follow the flow augmentation release, beginning on June 2nd at a rate of 1,500 cfs.

Calendar

The USBR Annual Windshield Snow Survey and Jackson Lake Operations Meeting will be held May 16 & 17. For more information and room reservations you can call Jami Anderson at the USBR Burley Office, 208-678-0461, extension 22. Reservations for rooms and transportation must be confirmed with the USBR before Monday, May 13, 2013.

USRRS FLOW SCHEMATIC



WATER DISTRICT 01 - WEEKLY WATER REPORT

20130430

DIVERSION DATA PRIORITY DATES:

SNAKE ABV LORENZO: 03 26 1903
 HENRYS FORK: 03 26 1903
 FALLS RIVER: 03 26 1903
 TETON RIVER: 03 26 1903
 TETON LOWER N. FORK: 03 26 1903
 SNAKE ABV BLCKFOOT: 03 26 1903
 SNAKE BLW BLCKFOOT: 03 26 1903

PROJECTED PRIORITY DATES FOR APRIL 30, 2013

SNAKE ABV LORENZO: 10 07 1905
 HENRYS FORK: 10 07 1905
 FALLS RIVER: 10 07 1905
 TETON RIVER: 10 07 1905
 TETON LOWER N. FORK: 10 07 1905
 SNAKE ABV BLCKFOOT: 10 07 1905
 SNAKE BLW BLCKFOOT: 03 26 1903

DIVERSION DATA

ACTUAL DATE	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG	ACTUAL DATE	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG
APR 25	PALISADES CANAL	0.	0.	0.	0.	APR 24	R & J BROWN PUMP	0.	0.	0.	0.
APR 25	RILEY CANAL	0.	0.	0.	0.	APR 24	B PARKINSON PUMP	0.	0.	0.	0.
APR 25	ANDERSON CANAL	312.	0.	0.	0.	APR 24	CANYON CREEK CANAL	0.	0.	0.	0.
APR 25	EAGLE ROCK CAN (1)	244.	0.	0.	0.	APR 24	V SCHWENDIMAN PUMP	0.	0.	0.	0.
APR 25	FARMERS FRIEND	0.	0.	0.	0.	APR 24	R. BRENT RICKS	0.	0.	0.	0.
APR 25	ENTERPRISE CANAL	0.	0.	0.	0.	APR 24	CANYON CREEK	0.	0.	0.	0.
APR 25	BUTLER ISLAND	0.	0.	0.	0.	APR 24	WILFORD CANAL	3.	0.	0.	0.
APR 25	ROSS AND RAND	0.	0.	0.	0.	APR 24	TETON IRRIGATION	0.	0.	0.	0.
APR 25	STEELE CANAL	0.	0.	0.	0.	APR 24	SIDDOWAY CANAL (8)	0.	0.	0.	0.
APR 25	HARRISON CANAL	0.	0.	0.	0.	APR 24	PIONEER CANAL	0.	0.	0.	0.
APR 25	CHENEY CANAL *	0.	0.	0.	0.	APR 24	STEWART CANAL	0.	0.	75.	-75.
APR 25	BUTLER ISL #2	0.	0.	0.	0.	APR 24	PINCOCK-BYINGTON	0.	0.	0.	0.
APR 25	RUDY CANAL	0.	0.	0.	0.	APR 24	TETON ISLND FEEDER	129.	0.	0.	0.
APR 25	LOWDER SLOUGH CANAL	0.	0.	0.	0.	APR 24	SALEM UNION B	0.	0.	0.	0.
APR 25	KITE & NORD CANAL	0.	0.	0.	0.	APR 24	ROXANA CANAL	0.	0.	26.	-26.
APR 25	BURGESS CANAL *	0.	0.	0.	0.	APR 24	ISLAND WARD CANAL	0.	0.	0.	0.
APR 25	CLARK & EDWARDS *	0.	0.	0.	0.	APR 24	SAUREY CANAL	0.	0.	1.	-1.
APR 25	CROFT DITCH	0.	0.	0.	0.	APR 24	PINCOCK-GARNER	0.	0.	0.	0.
APR 25	EAST LABELLE CANAL	0.	0.	1009.	-1009.	APR 24	GARDNER-BEDDES	0.	0.	0.	0.
APR 25	RIGBY CANAL	0.	0.	0.	0.	APR 24	BIGLER SLOUGH	0.	0.	0.	0.
APR 25	DILTS LATERAL (3)	0.	0.	0.	0.	APR 24	WOODMANSEE-JOHNSON	0.	0.	0.	0.
APR 25	DILTS CANAL	0.	0.	0.	0.	APR 24	CITY OF REXBURG	0.	0.	0.	0.
APR 25	ISLAND CANAL	0.	0.	0.	0.	APR 24	REXBURG IRRIGATION	81.	0.	0.	0.
APR 25	W. LABELLE & L.I. *	0.	0.	0.	0.	APR 25	BUTTE & MARKET *	87.	0.	0.	0.
APR 25	PARKS & LEWISVILLE	0.	0.	0.	0.	APR 25	BEAR TRAP CANAL	0.	0.	0.	0.
APR 25	NORTH RIGBY CANAL	0.	0.	0.	0.	APR 25	OSGOOD CANAL	0.	0.	0.	0.
APR 25	WHITE DITCH (4)	0.	0.	0.	0.	APR 25	CLEMENTS CANAL	0.	0.	0.	0.
APR 25	BRAMWELL CANAL	0.	0.	0.	0.	APR 25	KENNEDY CANAL	0.	0.	0.	0.
APR 25	ELLIS CANAL (5)	0.	0.	0.	0.	APR 25	GREAT WESTERN	90.	0.	0.	0.
APR 25	NELSON CANAL	0.	0.	0.	0.	APR 25	IDAHO CANAL	339.	0.	0.	0.
APR 25	MATTSON-CRAIG CANAL	0.	0.	0.	0.	APR 25	PORTER CANAL (9)	98.	0.	0.	0.
APR 25	SUNNYDELL CANAL	0.	0.	0.	0.	APR 24	PROGRESSIVE SAND	6.	0.	0.	0.
APR 25	LENROOT CANAL	0.	0.	0.	0.	APR 24	IDAHO FR SAND CK	75.	0.	0.	0.
APR 25	REID CANAL	0.	0.	0.	0.	APR 24	PROGRESSIVE WILL	0.	0.	129.	-129.
APR 25	TEXAS & LIBERTY	0.	0.	0.	0.	APR 25	WOODVILLE CANAL	30.	0.	0.	0.
APR 25	BANNOCK JIM SLOUGH	19.	3.	60.	-60.	APR 25	SNAKE RIVER VLLY *	216.	0.	0.	0.
APR 25	HILL PETTINGER	0.	0.	0.	0.	APR 26	RESERVATION CANAL	78.	0.	0.	0.
APR 25	NELSON COREY CANAL	0.	0.	0.	0.	APR 26	BLACKFOOT CANAL	180.	0.	0.	0.
APR 24	DEWEY CANAL	20.	0.	95.	-95.	APR 26	NEW LAVA SIDE *	100.	0.	0.	0.
APR 24	YELLOWSTONE CANAL	0.	0.	0.	0.	APR 26	PEOPLES CANAL *	165.	0.	0.	0.
APR 24	MARYSVILLE CANAL *	0.	0.	0.	0.	APR 26	ABERDEEN CANAL	787.	0.	0.	0.
APR 24	FARMERS OWN CANAL	0.	0.	0.	0.	APR 26	CORBETT CANAL	91.	0.	0.	0.
APR 24	SQUIRREL PUMP#1	0.	0.	0.	0.	APR 26	NIELSON-HANSEN	5.	0.	14.	-14.
APR 24	ENTERPRISE CANAL	0.	0.	0.	0.	APR 26	RIVERSIDE CANAL *	134.	30.	155.	-155.

APR 24	FALL RIVER CANAL	24.	0.	0.	0.	APR 26	DANSKIN CANAL	152.	0.	0.	0.
APR 24	CHESTER CANAL	5.	0.	0.	0.	APR 26	TREGO CANAL	62.	0.	0.	0.
APR 24	MCBEE CANAL	0.	0.	0.	0.	APR 26	JENSEN GROVE	19.	0.	0.	0.
APR 24	SILKEY CANAL	7.	0.	0.	0.	APR 26	WEARYRICK CANAL	11.	0.	69.	-69.
APR 24	CURR CANAL	1.	0.	0.	0.	APR 26	WADSWORTH DITCH	0.	0.	0.	0.
APR 24	LAST CHANCE CANAL	36.	0.	0.	0.	APR 26	WATSON CANAL	72.	0.	79.	-79.
APR 24	CROSSCUT TO TETN	0.	0.	0.	0.	APR 26	PARSONS CANAL	23.	0.	0.	0.
APR 24	XCUT FALL R (6)	0.	0.	0.	0.	APR 27	FT HALL MICHAUD	100.	100.	793.	-793.
APR 24	FARMERS FRIEND	41.	0.	0.	0.	APR 27	FALLS IRRIG PUMP	39.	39.	546.	-546.
APR 24	TWIN GROVES CANAL	23.	0.	0.	0.	APR 28	MINIDOKA NSIDE *	900.	1359.	3958.	-3958.
APR 24	ST ANTHY UNION	192.	0.	0.	0.	APR 28	MINIDOKA SSIDE (10)	766.	0.	0.	0.
APR 24	SALEM UNION CANAL	89.	0.	0.	0.	APR 29	A & B IRRIGATION	79.	79.	1330.	-1330.
APR 24	EGIN CANAL	136.	0.	50.	-50.	APR 29	PA LATRL PUMP (11)	28.	0.	0.	0.
APR 24	ST ANTHY UNION (7)	58.	0.	0.	0.	APR 29	MILNER IRRIGATION	120.	120.	1041.	-1041.
APR 24	INDEPENDENT CANAL	108.	0.	0.	0.	APR 29	NSIDE 'A' LATL (11)	0.	0.	0.	0.
APR 24	CONSOLIDATED FRMRS	57.	0.	0.	0.	APR 29	NSIDE XCT GDNG (11)	0.	0.	0.	0.
APR 24	SOUTH PIPE PUMP	0.	0.	0.	0.	APR 29	RES DIST #2 CANAL	1227.	1227.	12257.	-12257.
APR 24	BOELKE PUMP	0.	0.	0.	0.	APR 29	N SIDE TWIN FALLS	2383.	2011.	9728.	-9728.
APR 24	CLEMENTSVILLE PUMP	0.	0.	0.	0.	APR 29	TWIN FALLS S SIDE	2602.	0.	0.	0.

FOOTNOTES: STORAGE DIVERSION COMBINED WITH (1) ANDERSON, (2) RIGBY, (3) DILTS, (4) W. LABELLE & L.I., (5) BRAMWELL (6) FALLS R, (7) ST ANTHONY U, (8) TETON IRR, (9) GREAT WESTERN, (10) MINIDOKA NORTHSIDE AND (11) NSIDE TWIN FALLS

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

Exhibit B



Twin Falls Canal Company

Natural Flow Prediction Model Worksheet - April Predictors

PRELIMINARY

Brockway Engineering, PLLC

Version date: 4/16/2013

Run date: 4/16/2013

Enter data in blue shaded cells

Year: **2013** Confidence level for planning: **80%**

Data Input

	Link	Value	
Depth to water in well 02N37E02ABA1 - April measurement	Get Data	175.90	
Depth to water in well 03N37E12BDB1 - April measurement		136.40	
Depth to water in well 08S25E36DAA1 - April measurement	Get Data	132.37	Typical range 116 to 130 ft
Depth to water in well 08S24E31DAC1 - April measurement	Get Data	176.38	Typical range 160 to 177 ft
Depth to water in well 08S27E31DDA1 - April measurement	Get Data	37.39	Not used
Depth to water in well 09S25E03CAC1 - April measurement		69.00	
Portneuf River at Pocatello, 60-day average through April 15	Get Data	288.40	Manually take average of daily data from February 15 through April 15
Spring Creek field measurements interpolated to April 15	Get Data	269.00	
Reservoir fill percentage as of April 15		76.1	Use RESERVOIR worksheet
Snow index above American Falls	Get Data	458.3	
Precipitation at Afton - cumulative January 1 through April 15	Get Data	4.00	Subtract 12/31 value from 4/15 value to obtain cumulative precip
Heise unregulated flow April 1 - July 31	Get Data	2.650	Range -4 to +4

Model Predictions

	Best Estimate	Confidence Interval		Planning*
		-95%	+95%	
Date of first significant storage draw	30-Jun			
TFCC Natural Flow from 30-Jun through 30-Sep	360235	262214	458256	310081
TFCC Demand from 30-Jun through 30-Sep	581620	542185	621054	601797
Deficit (Storage Requirement)	256478	185313	327642	292890

* 80% exceedance