



Holden Kidwell
Hahn & Crapo P.L.L.C.
L A W O F F I C E S

RECEIVED

MAY 06 2010

DEPARTMENT OF
WATER RESOURCES

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May 4, 2010

Nick Miller
Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720-0098

RE: Water District 34 Water Measurement Matters.

Dear Nick:

I am sending this letter on behalf of Don Isom and Leon Folkman, who are landowners in Water District 34, regarding water distribution in the Big Lost River Basin. Recently, we have attempted to resolve a dispute with the Big Lost River Irrigation District regarding measurement devices in the Eastside Island Munsey system that diverts off the Big Lost River. We have provided the enclosed report to the Big Lost River Irrigation District, which was well received. Our intent with the submission of this report was to seek improvements for individual measurement devices in order for water to be accurately distributed and measured in the Big Lost River system. It is our understanding that representatives from the Big Lost River Irrigation District are investigating these measuring devices, and we plan to follow up with them in three to four weeks to discuss progress regarding these devices.

We have also reviewed a copy of the letter dated April 9, 2010, to Jay Jensen seating him as the Watermaster for Water District 34. We understand and recognize there are conflict of interest concerns that had previously been raised. Based on the letter, Mr. Jensen has been seated, with the caveat that Mr. Jensen needs to adhere to the Department's guidelines for employee conduct. Based upon my review of the letter, there are a number of instances that were identified where conflicts of interest may arise. We agree that such instances may occur and we wish to elaborate on some instances where conflicts could occur.

Upon my review of the letter, it appears that one instance where disputes could arise would center around appropriate measurement and delivery. For example, Rule 30 of the Water Distribution Rules for Water District 34 provides that the Eastside Canal may be utilized to deliver natural flow once a number of conditions are met. One of those conditions is that no other water rights are injured. As you can see from our compliance report, there are a number of irrigation works that need attention, and we believe that they are being addressed by the Irrigation District. However, we also believe it is important for the Department to be involved in these issues because without appropriate measuring devices in the Eastside Canal, use of the Eastside Canal would violate Rule 30 of the Water Distribution Rules. As contained in IDAPA 37.03.12.030.01.c, no other water rights

Established in 1896

may be injured if the Eastside Canal is used, and additionally, Rule 35 also requires measuring devices and control works that are acceptable to the Director. We believe it would be extremely difficult for Mr. Jensen to perform his Watermaster duties in the Eastside Canal if there are not acceptable measuring devices installed and maintained in that canal. We therefore request your assistance and follow up on this matter.

In short, the Watermaster cannot allocate natural flow in the Eastside without proper measuring devices. Because it is quite possible the Eastside Canal would be used as a natural channel, we are simply requesting your assistance before the fact to potentially avoid any disputes or conflicts between Mr. Jensen and the Eastside Canal, which is operated by the Big Lost River Irrigation District.

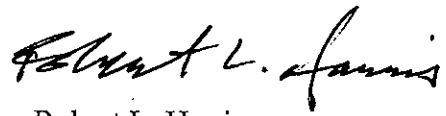
Additionally, Rule 40.08 states that in the event a water user feels that they have not received an appropriate delivery of their natural flow water, the water user can request the Watermaster to investigate. To the extent the Watermaster believes that there has not been an appropriate delivery of water, it will require him to notify the ditch water and the water delivery entity regarding the alleged discrepancy. In our experience, this conflict would most likely arise with calculation of conveyance losses in various canals and laterals. Based upon our understanding of the Big Lost River Irrigation District's accounting system, water is measured into headgates and laterals, and it is presumed that unaccounted for diversions and other loss of water is "shrink". Thus, it is critical that water is appropriately measured and accounted for under the Irrigation District's accounting mechanism.

We note in your letter that you have requested Mr. Jensen to use the Department's accounting program for water rights administration, and we believe this is an appropriate instruction. While it seems that it would be best for the Big Lost River Irrigation District to likewise use the Department's accounting program, it is our understanding that they currently do not. Our intent is not to try to force the Big Lost River Irrigation District to use the state's accounting methodologies, but our concern is simply that if such methodology is used, it necessarily requires accurate measuring devices and control structures to be accurate. Therefore, to avoid any potential dispute or conflict with Mr. Jensen as the Watermaster, we request the Department's assistance in working to have measuring devices installed that meet the Department's standards.

At this point, it appears that the matter is being previously addressed by the Big Lost River Irrigation District, and we applaud the efforts they have made to deal with this important issue. We will certainly keep you apprised of any updates regarding progress on these measuring devices, but at this point, want to make you aware of the issue, and want to make you aware of potential conflict situations that may arise in the future. To minimize the potential for such conflicts, we request the Department's assistance as we all work to appropriately measure and monitor water deliveries in the Big Lost River basin.

If you have any questions or concerns, please let me know. We appreciate your involvement and assistance in this matter.

Best Regards,

A handwritten signature in black ink, appearing to read "Robert L. Harris". The signature is fluid and cursive, with the first name "Robert" being more prominent and the last name "Harris" following in a similar style.

Robert L. Harris
HOLDEN, KIDWELL, HAHN & CRAPO, P.L.L.C.

EIM CANAL PRESEASON COMPLIANCE REPORT

April 5, 2010

Board of Directors, and
Jim Rindfleisch, Manager
Big Lost River Irrigation Dist
P. O. Box 205
Mackay, Idaho 83251

RE: Compliance Report Notification

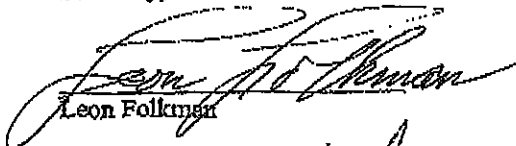
Dear Gentlemen;

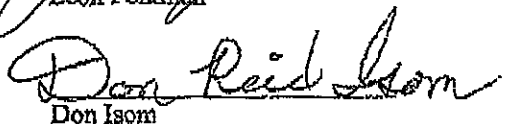
Please find enclosed a copy of the pre-irrigation season compliance report relating to the Eastside-Island-Munsey (EIM) canal system. We are submitting this report to you as we "agree[d] to notify the District Manager as soon as reasonably possible" consistent with our Stipulation and Agreement, provision 3.

The purpose of this report is to help BLRID identify areas within the laterals which need maintenance and cleaning, along with measuring device and control structure sites that are not in compliance with irrigation district policies and procedures as stated in your March 4, 2009, letter which may be contributing to excessive conveyance losses. Hopefully these types of reports and the recent water conveyance and measurement symposium will provide helpful information to you and all water users as we cooperate together in performing the corrective work on both canal laterals and regulation devices prior to the irrigation season.

We are very interested in working with BLRID and other water users through out the irrigation district in a positive manner to accomplish these conveyance improvements. Please let us know how you plan on proceeding, and if you would like to hear from us regarding other recommendations and cooperative efforts.

Sincerely,

 4/5/10
Leon Folkman

 4-5-10
Don Isom

Enclosure

STIPULATION AND AGREEMENT

// This Stipulation and Agreement (this "Agreement") is made by and entered into this day of February, 2010, by and between the Big Lost River Irrigation District, an irrigation district organized pursuant to Title 43 of the Idaho Code and other Idaho law, whose address is 101 South Main Ave., Mackay, Idaho 83251 (hereinafter, the "District"), Leon Folkman, an individual, whose address is 3004 W. 2200 N., Arco, Idaho 83213 (hereinafter, "Folkman"), and Charles Isom, an individual, whose address is 325 E. 500 N. Rupert, Idaho, 83350, and Isom Acres Limited Partnership, whose address is 325 E. 500 N. Rupert, Idaho, 83350 (Charles Isom and Isom Acres Limited Partnership are both hereinafter, "Isom"). Collectively, the above entities are hereinafter referred to as the "Parties."

RECITALS:

- A. The Parties are currently engaged in litigation in Case No. CV-2009-94 in and for the County of Butte. The litigation pertains to cancellation of two transport agreements for transportation of Folkman and Isom's ground water to their respective places of use, calculation of conveyance losses in the Eastside-Island-Munsey Canal System (the "EIM System"), and other issues.
- B. Since the litigation commenced, Folkman and Isom have now installed butterfly control valves at the Upper Isom and Folkman pump station located adjacent to the Munsey Canal.
- C. The Parties have now negotiated a one-year resolution for the 2010 irrigation season only, and hereby agree as follows:

AGREEMENTS:

NOW THEREFORE, in consideration of the mutual covenants and promises set forth below, the Parties agree as follows:

1. NEW TRANSPORT AGREEMENT. The Parties hereby agree to execute the Transport Agreement attached hereto as Exhibit A for 2010 only, subject to the provisions of this Agreement, to allow for the delivery of Folkman and Isom's ground water to their respective places of use. In the event any provision of this Agreement is different than or inconsistent with the provisions of the Transport Agreement, the provisions of this Stipulation and Agreement shall govern.

2. ACCEPTANCE OF FOLKMAN AND ISOM SYSTEM. With the butterfly control valves now installed at the Upper Folkman and Isom pump stations, the District hereby accepts the Folkman and Isom delivery system as in compliance with its policies and procedures set forth in the March 4, 2009 letter attached hereto as Exhibit B.

3. MEASURING DEVICES. The District hereby agrees that it will enforce the policies and procedures set forth in Exhibit B, which include requirements for water users in the EIM System to have approved measuring devices and control structures to allow for the accurate measurement and control of water deliveries in the EIM System, which will reduce unaccounted-for losses in the EIM System, and reduce shrink under the District's current shrink calculation methodology. To the extent any water user does not install such devices and the District is aware that such devices have not been installed, consistent with Exhibit B, then "no water will be delivered [to the water user] until the measuring device has been inspected and acceptable" by the District. Should Folkman or Isom become aware of any delivery to a water user without such devices installed, Folkman and Isom agree to notify the District Manager as soon as reasonably possible.

4. EXCESS WATER. During the pendency of this Agreement, Folkman and Isom will explore a mechanism for the water users of the Munsey Canal to use any excess water that has historically exited the system. Preliminarily, the mechanism to be discussed is development of a methodology that would allow distribution and utilization of excess water by the water users of the Munsey Canal. As part of the agreement, the Munsey users will acknowledge that any claim to the excess water is conditioned upon excess water leaving District's system and that District will not guaranty or be obligated to deliver any particular amount of excess water. Further, the Munsey users will acknowledge that if the efficiency of water delivery along the EIM System improves, as desired by all parties to this agreement, the amount of excess water leaving the District's system will, in all likelihood, decrease. The Parties hereby understand and agree that the logistics of such an arrangement need to be explored between the District and the Munsey users, and to the extent such logistics can be finalized, Folkman and Isom or their representatives will present the arrangement to the Board for consideration by the Board at any time prior to December 31, 2010.

5. DATA LOGGERS. The District hereby agrees to the placement of data loggers, at the sole cost and expense of Folkman and Isom, in the EIM System. All information, reports and calculations obtained from the data loggers shall be provided to the District within thirty (30) days after the end of the irrigation season, or after reasonable notice for such information during the irrigation season, but only after sufficient time for preparation of reports and calculation of data is performed by experts retained to prepare such reports or calculations. The Parties anticipate that such information could likely be provided within fourteen (14) days of such a request, but recognize that time may be needed for expert preparation of the data logger information.

6. TERM OF AGREEMENT. This Agreement shall expire on October 31, 2010.

7. RESERVATION OF ISSUES RAISED IN LITIGATION. Nothing herein shall prohibit any Party to the litigation from continuing with such litigation after October 31, 2010. By signing this Agreement, no Party is waiving any claim or defense in the litigation and all Parties expressly reserve their rights to continue with the issues raised in the litigation heretofore. The procedural status of the litigation—Case No. CV-2009-94—shall either be addressed with (1) keeping the litigation on the court's calendar until further notice from the Parties, or (2) requesting that the litigation be dismissed without prejudice as to any claim or defense, including, but not limited to, claims for attorney's fees and court costs incurred in the litigation to the date of dismissal, which would permit the litigation to be re-filed after October 31, 2010 if necessary.

8. ENTIRE AGREEMENT. This Agreement sets forth the entire understanding of the parties with respect to the matters set forth in this Agreement. It supersedes all prior oral or written agreements of the parties as to the matters set forth in this Agreement, and it cannot be altered or amended except by an instrument in writing, signed by the Parties.

9. BENEFIT AND ASSIGNMENT. This Agreement is binding upon and inures to the benefit of the Parties to this Agreement and the Lessees of Folkman and Isom. This Agreement cannot be assigned except by a written assignment consented to in writing by all parties.

10. HEADINGS. The headings in this Agreement are for reference only and do not limit or define the meaning of any provision of this Agreement.

11. WAIVER. The waiver by any party to this Agreement of any right granted to it under this Agreement is not a waiver of any other right granted under this Agreement, nor may any waiver be deemed to be a waiver of a subsequent right obtained by reason of the continuation of any matter previously waived.

12. COUNTERPARTS/FACSIMILE. This Agreement may be executed in counterparts, each of which is deemed an original but all of which constitute one and the same instrument. The signature pages may be detached from each counterpart and combined into one instrument. This Agreement may be signed and delivered by facsimile (fax or email) which shall be as effective as an original.

13. SEVERABILITY. If any provision of this Agreement or any portion of any provision of this Agreement is determined to be invalid, illegal or unenforceable, the invalidity, illegality or unenforceability may not alter the remaining portion of such provision, or any other provision of this Agreement, as each provision of this Agreement is deemed severable from all other provisions of this Agreement.

14. GOVERNING LAW. This Agreement is governed by, and construed and enforced in accordance with, the laws of the State of Idaho.

IN WITNESS WHEREOF, the Parties have each caused their names and seals to be appropriately affixed by duly authorized representatives the day and year first above written.

Leon Folkman

Charles Isom

ISOM ACRES LIMITED PARTNERSHIP

By: Don Isom
Its: _____

BIG LOST RIVER IRRIGATION DISTRICT

By: [Signature] 206210
Its: [Signature] SEC. TREASURER

IN WITNESS WHEREOF, the Parties have each caused their names and seals to be appropriately affixed by duly authorized representatives the day and year first above written.

Leon Folkman

Charles Isom
Charles Isom

ISOM ACRES LIMITED PARTNERSHIP

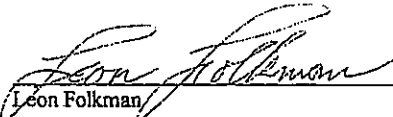
Don Reid Isom
By: Don Isom
Its: Member

BIG LOST RIVER IRRIGATION DISTRICT

By: _____
Its: _____

accordance with, the laws of the State of Idaho.

IN WITNESS WHEREOF, the Parties have each caused their names and seals to be appropriately affixed by duly authorized representatives the day and year first above written.


Leon Folkman

Charles Isom

ISOM ACRES LIMITED PARTNERSHIP

By: Don Isom
Its: _____

BIG LOST RIVER IRRIGATION DISTRICT

By: _____
Its: _____

BIG LOST RIVER IRRIGATION DISTRICT

P.O. BOX 205 - MACKAY, IDAHO 83251 - (208) 588-2231 - FAX: (208) 588-2863

March 4, 2009

Dear Patron:

MEASURING DEVICES There have been numerous notices over the past several years about having water measuring devices and lockable flow control devices in place before water can be delivered. This needs to be strictly enforced to make a better accounting of water usage by each water user. We also need the lockable control devices so that no one but the ditch rider can adjust and control the water.

This year we will be inspecting all measuring devices before any water will be delivered. If the measuring device is not satisfactory when inspected, then no water will be delivered until the measuring device has been inspected and acceptable. You can call Billy at 390-3586, Ed at 390-2234 or Jim at 390-1447 to schedule an inspection for your measuring device.

Idaho Code 42.701 and Code 42.903, require measuring devices before water will be delivered. 42.903 states "Any person shall provide the necessary gates and measuring devices to render possible and practicable a measurement of the quantity of water being delivered to any consumer. Such measuring devices shall be of such a character and provided with such gauges or scales, that the quantity of water being delivered at any time can be ascertained by inspection; and shall be of such general plan as shall meet with the approval of the department of water resources."

Code 42.701 states "The appropriators or users of any public waters of the state of Idaho shall maintain to the satisfaction of the director of the department of water resources suitable head gates and controlling works at the point where the water is diverted."

If the water being taken out of the canal is not being measured correctly and there is more water going out than recorded, then that excess water would be part of the shrink calculation. This would negatively affect every other user on the canal giving them less water by having a higher shrink calculated for the canal. This is why the water being removed from the canal has to be measured accurately using state approved measuring devices.

EXHIBIT B

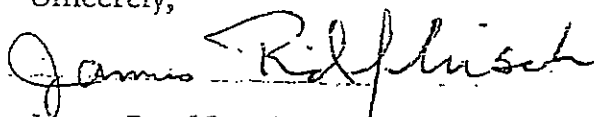
The web site for IDWR that depicts the "Minimum Acceptable Standards for Open Channel and Closed Conduit Measuring Devices" is www.idwr.idaho.gov. Once there, click on the "Water Management" heading and then click "Water Measurement". This lists all the approved water measuring devices for both open channel and closed conduit (pipe). You can also get a copy at the office.

The new IDWR standard for closed conduit measuring devices (pipe) is the magnetic flow meter. Examples can be seen at www.seametrics.com. There are flange units and there are insertable units. These units are available at Irrigation Center in Arco and at the Nursery in Mackay. These businesses can provide information on these devices. The cost of a unit is anywhere from \$600 to \$1800 depending on the size of the pipe.

The ideal system is a lockable head gate on the canal flowing into a ditch followed by a measuring device, then a pumping station, and then another measuring device as the excess water is returned to the canal. Head gates and measuring devices can be obtained from the Irrigation Center in Arco

OBSTRUCTIONS Obstructions in the canal also increase shrink and need to be removed especially fences or boards that hang down in the canal. By law these obstructions can not impede the water flow and need to be removed before the water is put into the canal. Please remove any items that can impede the water flow.

Sincerely,

A handwritten signature in cursive script that reads "James Rindfleisch". The signature is written in dark ink and is positioned above the printed name.

James Rindfleisch, Mgr BLRID and Board of Directors

NAD Off-set (83)	format	hddd*mm'ss.s"			
Eastside @ Moore Div.	Data Logger	R. D. Bowman (Dale Smith)		Moore Ward Farm	
N 43° 47' 08" W 113° 21' 30"		N 43° 45' 41" W 113° 19' 53"		N 43° 43' 56" W 113° 19' 44"	
active Y / N	Yes	active Y / N	No	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	don't know	adjustable-lockable Y / N	Yes
operational Y / N	Yes	operational Y / N	don't know	operational Y / N	don't know
size & measure type	Broad-crest	size & measure type	None	size & measure type	EFC 1000
acceptable Y / N	don't know	acceptable Y / N	don't know	acceptable Y / N	don't know
Spring Creek (Recharge)		Crump & Melling		Ray Boyack (upper)	
N 43° 47' 03" W 113° 21' 17"		N 43° 45' 14" W 113° 19' 50"		N 43° 43' 44" W 113° 19' 42"	
active Y / N	No	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	No	operational Y / N	Yes	operational Y / N	Yes
size & measure type	4 F Parshall	size & measure type	18 inc. Parshall	size & measure type	3 F Rect
acceptable Y / N	No	acceptable Y / N		acceptable Y / N	No
King Mt. Ranch (lawn)		Crump/Melling (south of yards)		Ray Boyack (lower)	
N 43° 46' 43" W 113° 20' 52"		N 43° 45' 08" W 113° 19' 48"		N 43° 43' 32" W 113° 19' 44"	
active Y / N	Don't Know	active Y / N	No	active Y / N	Yes
adjustable-lockable Y / N	No	adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes
operational Y / N	Don't Know	operational Y / N	No	operational Y / N	Yes
size & measure type	None	size & measure type	-----	size & measure type	2 F Rect
acceptable Y / N	No	acceptable Y / N	don't know	acceptable Y / N	No
Steven Keller		Barth Blatner (P. Jones)		Dennis Moss	
N 43° 46' 19" W 113° 20' 32"		N 43° 44' 47" W 113° 19' 39"		N 43° 43' 20" W 113° 19' 55"	
active Y / N	Yes	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	Yes	operational Y / N	Yes	operational Y / N	No
size & measure type	None	size & measure type	18 inc. Parshall	size & measure type	Mag Meter
acceptable Y / N	No	acceptable Y / N	No	acceptable Y / N	don't know
North of 3400		Larry Jensen (N. of house)		South of Morgan Lane	
N 43° 46' 16" W 113° 20' 28"		N 43° 44' 36" W 113° 19' 41"		don't know	
active Y / N	No	active Y / N	Yes	active Y / N	No
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	No	operational Y / N	Yes	operational Y / N	don't know
size & measure type	None	size & measure type	none	size & measure type	none
acceptable Y / N	Don't Know	acceptable Y / N	No	acceptable Y / N	don't know
Jay Jensen (1st South of 3400)		Larry Jensen (S of house)		Recharge (west of Jim Babcock)	
N 43° 46' 12" W 113° 20' 24"		N 43° 44' 36" W 113° 19' 41"		N 43° 43' 40" W 113° 20' 20"	
active Y / N	No	active Y / N	Yes	active Y / N	don't know
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes
operational Y / N	Don't Know	operational Y / N	-----	operational Y / N	Yes
size & measure type	1 F Parshall	size & measure type	sub-rec-orific	size & measure type	NONE
acceptable Y / N	Don't Know	acceptable Y / N	don't know	acceptable Y / N	don't know
Jay Jensen (2nd South of 3400)		South of Larry Jensen's Home		Recharge (north of Tyler Felton)	
N 43° 46' 03" W 113° 20' 15"		N 43° 44' 35" W 113° 19' 40"		N 43° 42' 20" W 113° 20' 29"	
active Y / N	No	active Y / N	No	active Y / N	don't know
adjustable-lockable Y / N	don't know	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	No	operational Y / N	Yes	operational Y / N	Yes
size & measure type	Parshall	size & measure type	none	size & measure type	NONE
acceptable Y / N	don't know	acceptable Y / N	NO	acceptable Y / N	don't know
Jay Jensen (BLRID acc.# 171)		Not active south of 3175		Tyler Felton (north side near Chris Lord)	
N 43° 45' 56" W 113° 20' 10"		N 43° 44' 09" W 113° 19' 35"		N 43° 42' 01" W 113° 20' 41"	
active Y / N	Yes	active Y / N	No	active Y / N	No
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	No	adjustable-lockable Y / N	No
operational Y / N	don't know	operational Y / N	No	operational Y / N	No
size & measure type	sub-rec-orific	size & measure type	none	size & measure type	none
acceptable Y / N	don't know	acceptable Y / N	don't know	acceptable Y / N	No

Eastside Compliance Report

April 2, 2010

P 2 of 2

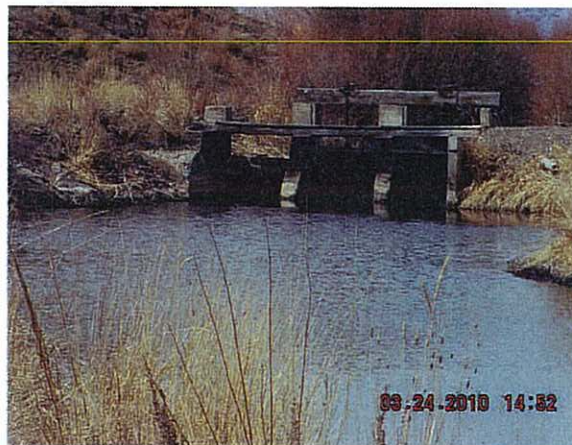
NAD Off-set (83)	format	hddd*mm'ss.s"
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Eastside @ Feltons		Mary Leo Felton (north end)		PO Ranch	
N 43° 42' 03" N 113° 20' 40"		N 43° 41' 19" W 113° 20' 20"		N 43° 39' 39" W 113° 20' 02"	
active Y / N	Yes	active Y / N	No	active Y / N	Yes
adjustable-lockable Y / N	-----	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes (2)
operational Y / N	-----	operational Y / N	No	operational Y / N	don't know
size & measure type	11 F ??? Rec	size & measure type	None	size & measure type	NONE
acceptable Y / N	don't know	acceptable Y / N	don't know	acceptable Y / N	No
Tyler Felton		Mary Leo Felton		North of Eastside Out	
down stream of Eastside at Felton's		N 43° 41' 08.1" W 113° 20' 21.0"		N 43° 39' 27" W 113° 20' 03"	
active Y / N	No	active Y / N	Yes	active Y / N	No
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	don't know	operational Y / N	don't know	operational Y / N	don't know
size & measure type	none	size & measure type	Mag Meter	size & measure type	none
acceptable Y / N	don't know	acceptable Y / N	don't know	acceptable Y / N	don't know
Eastside into James Creek		Mary Leo Felton (NW of home)		Eastside Out	
N 43° 41' 59" W 113° 20' 43"		N 43° 41' 03" W 113° 20' 19"		N 43° 39' 13" W 113° 20' 03"	Data Logger
active Y / N	No / No	active Y / N	No	active Y / N	Yes
adjustable-lockable Y / N	Yes / Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	-----
operational Y / N	don't know	operational Y / N	don't know	operational Y / N	-----
size & measure type	don't know	size & measure type	none	size & measure type	11 F Rect.
acceptable Y / N	don't know	acceptable Y / N	don't know	acceptable Y / N	don't know
North of Doug S. Well		Keva Walker		Arco Heading Weir	
N 43° 41' 58" W 113° 20' 44"		N 43° 40' 43.3" W 113° 20' 10.1"		N 43° 39' 10" W 113° 20' 00"	Data Logger
active Y / N	No	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	don't know	operational Y / N	Yes	operational Y / N	Yes
size & measure type	none	size & measure type	1.5 Rect.	size & measure type	10 F Rect.
acceptable Y / N	don't know	acceptable Y / N	don't know	acceptable Y / N	No
Doug Schureman (Well)		Richard Reynolds		Munsey	
N 43° 41' 54.7" W 113° 20' 40.9"		N 43° 40' 43.1" W 113° 20' 11.1"		N 43° 39' 01" W 113° 20' 04"	Data Logger
active Y / N	Yes	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	don't know	operational Y / N	don't know	operational Y / N	Yes
size & measure type	Wheat-Land	size & measure type	none	size & measure type	5 F Parshall
acceptable Y / N	don't know	acceptable Y / N	No	acceptable Y / N	No
Nolan Beard		Richard Reynolds (south end of field)			
N 43° 41' 54.2" W 113° 20' 41.4"					
active Y / N	Yes	active Y / N	No		
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes		
operational Y / N	Yes	operational Y / N	don't know		
size & measure type	3F Cip	size & measure type	none		
acceptable Y / N	don't know	acceptable Y / N	don't know		
Larry Rasmussen (well)		Tony Madson			
N 43° 41' 47.9" W 113° 20' 37.1"		N 43° 40' 15.2" W 113° 20' 14.5"			
active Y / N	don't know	active Y / N	Yes		
adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes		
operational Y / N	don't know	operational Y / N	don't know		
size & measure type	NONE	size & measure type	none		
acceptable Y / N	don't know	acceptable Y / N	No		
Felton / Chris Lord		Recharge South of 2700 in PO Ranch			
N 43° 41' 19" W 113° 20' 20"		N 43° 39' 47" W 113° 20' 01"			
active Y / N	No	active Y / N	No		
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes		
operational Y / N	don't know	operational Y / N	don't know		
size & measure type	None	size & measure type	none		
acceptable Y / N	don't know	acceptable Y / N	-----		

Eastside Canal
Eastside @ Moore Diversion
30"

March 24, 2010
N 43° 47' 08" W 113° 21'

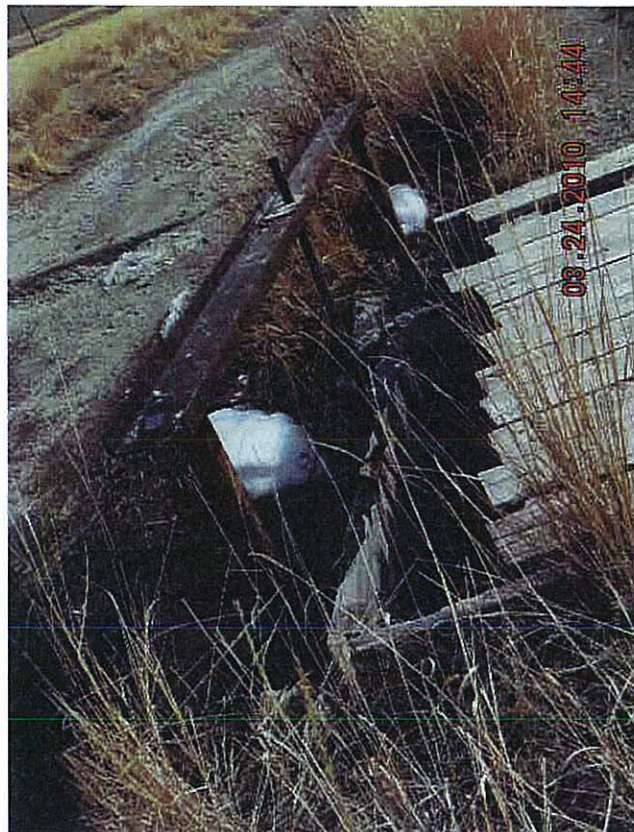
Broad Crest measuring device. Data logger will be installed at this canal heading.



Eastside Canal
Recharge Headgate
17"

March 24, 2010
N 43° 47' 03" W 113° 21'

Active headgate. 4 ft. Parshall flume. Approach needs cleaning for accurate measurement. No wheel on gate stem (no control). Jim Rindfleisch and Ronald Sorensen had to hammer gate closed after a unauthorized diversion in 2007. Jim Rindfleisch put the wheel in his pickup.



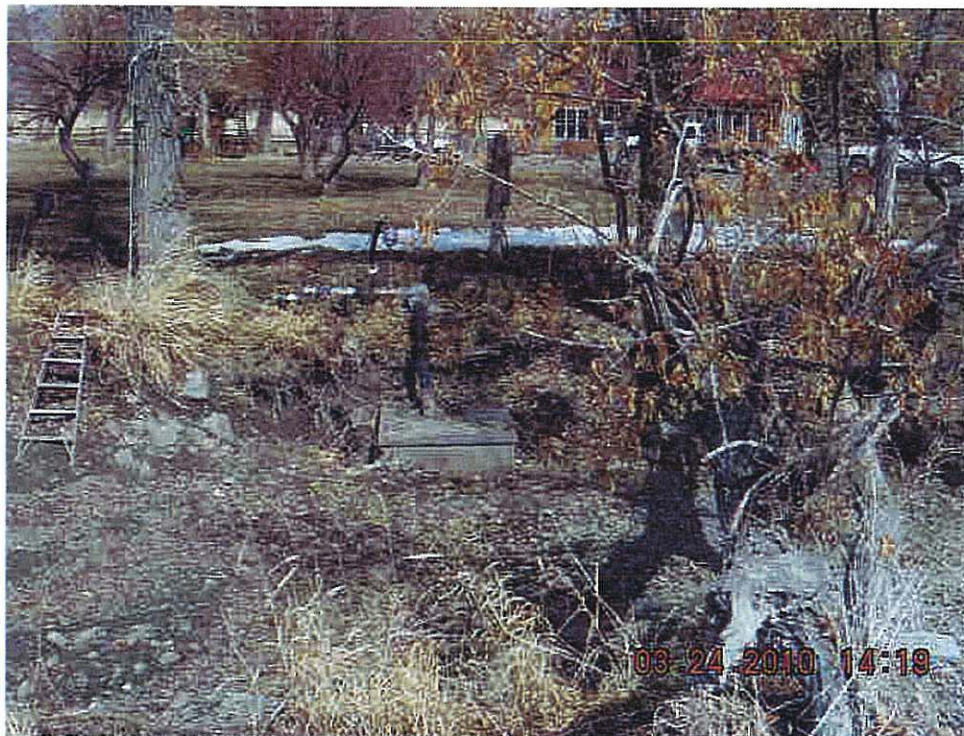
N 43° 46' 59" W 113° 21' 13"



Eastside Canal
King Mountain Ranch (lawn)
52"

March 24, 2010
N 43° 46' 43" W 113° 20'

Unknown if this account is active or inactive. No measuring device.
Control is not adjustable and lockable.



Eastside Canal

March 24, 2010

North East of Steve Keller's home. Heavy vegetation on side of canal is causing flow obstruction in canal.



This debris has been here since the spring of 2007.



Eastside Canal
Steve Keller

March 24, 2010
N 43° 46' 19" W 113° 20' 32"

Active headgate. No measuring device. Control is adjustable and lockable. Note the vegetation and sediment fill in front of gate causing reduction of flow.



Eastside Canal

March 24, 2010

N 43° 46' 16" W 113° 20' 28

South of Steve Keller's home and North of 3400.
Inactive headgate.



Eastside Canal
Jay Jensen (3400)

March 24, 2010
N 43° 46' 12" W 113° 20' 24"

Inactive headgate. Filled in behind headgate. Measuring device is also partially filled in.



Eastside Canal

March 24, 2010

N 43° 46' 03" W 113° 20'

15"

South of 3400 in Jay Jensen's field.

Inactive headgate. Sediment in control gate. Parshall flume removed.



Eastside Canal
Jay Jensen
10"

March 24, 2010
N 43° 45' 56" W 113° 20'

Active headgate. Control is adjustable and lockable. Rectangular submerged orifice of unknown size.
(Submerged orifice charts are for increments of $\frac{1}{4}$ square ft.)



Eastside Canal
R.D. Bowman
53"

March 24, 2010
N 43° 45' 41" W 113° 19'

Inactive station.



Eastside Canal
R.D. Bowman
53"

March 24, 2010
N 43° 45' 41" W 113° 19'

Inactive station.



Eastside Canal
Crump/Melling
50"

March 24, 2010
N 43° 45' 14" W 113° 19'

Active headgate. 18 in. Parshall flume. Approach and discharge need cleaning. Control is adjustable and lockable.



Eastside Canal
Crump/Melling
48"

March 24, 2010
N 43° 45' 08" W 113° 19'

Inactive headgate.



Eastside Canal
Garth Blattner (Phyllis Jones)
39"

March 24, 2010
N 43° 44' 47" W 113° 19'

Active headgate. 18 in. Parshall flume. Device is not level front to back. Approach needs cleaning and straightening. Control is adjustable and lockable. Getting to the Parshall is a half mile walk one way, and then 50 yds. of tangle debris even if you wade in the canal. Poor access.



Eastside Canal
North of Larry Jensen's bridge
39"

March 24, 2010
N 43° 44' 42" W 113° 19'

Debris needs to be removed up and down stream of check.



Eastside Canal
Larry Jensen (North)
41"

March 24, 2010
N 43° 44' 36" W 113° 19'

Active headgate is adjustable and lockable. No measuring device.
Canal approach to gate is extremely obstructed.



Eastside Canal
Larry Jensen (South)
41"

March 24, 2010
N 43° 44' 36" W 113° 19'

Active station. No adjustable or lockable control. No measuring device. Orifice plate has not been in place for many years.



Eastside Canal
South of Larry Jensen's home.
40"

March 24, 2010
N 43° 44' 35" W 113° 19'

Inactive headgate. Water appears to have washed sediment through gate leaving a small ditch through sediment on bank. Flow losses added to over all shrink. Headgate is adjustable and lockable.



Eastside Canal
Trash
37"

March 24, 2010
N 43° 44' 25" W 113° 19'

Drop structure with pole lodged in spill way causing debris to be caught and backing or stacking water levels in canal.



Eastside Canal
South of 3200
35"

March 24, 2010
N 43° 44' 09" W 113° 19'

Inactive headgate.



Eastside Canal
Moore Ward Farm
44"

March 24, 2010
N 43° 43' 56" W 113° 19'

Active station. EFC 1000 flow meter. Adjustable and lockable control.



Eastside Canal
Ray Boyack (North)
42"

March 22, 2010
N 43° 43' 44" W 113° 19'

Active headgate. 3 ft. rectangular weir is not acceptable due to excessive obstruction at both ends. Control device is adjustable and lockable.



Eastside Canal
Ray Boyack (South)
19' 44"

March 22, 2010
N 43* 43' 32" W 113*

Active headgate. 2 ft. rectangular weir is not acceptable because of debris. Control device is adjustable and lockable.



Eastside Canal
Dennis Moss
55"

March 22, 2010
N 43° 43' 20" W 113° 19'

Active station. Magnetic flow meter. No adjustable and lockable control valve.



Eastside Canal
South of Morgan Lane
53"

March 22, 2010
N 43° 43' 02" W 113° 19'

Note fallen tree limbs in canal causing obstruction.



Eastside Canal
South of Morgan Lane

March 22, 2010

Inactive headgate.



Eastside Canal
Recharge Gate

March 22, 2010
N 43° 43' 40" W 113 20' 20"

Control gate is adjustable and lockable. No measuring device.



Eastside Canal
Recharge Gate
29"

March 22, 2010
N 43° 42' 20" W 113° 20'

Control gate is adjustable and lockable. No measuring device.



Eastside Canal
Tyler Felton
41"

March 22, 2010
N 43° 42' 01" W 113° 20'

Inactive station. No control gate.



Eastside Canal
Eastside at Felton's
40"

March 22, 2010
N 43° 42' 03" N 113° 20'

11 ft Rectangular Weir

No charts for 11 ft weir

It can't be a standard contracted rectangular.

It can't be a standard suppressed rectangular either.

As the head is reduced to about 6/10 ft. air is under the nappe part way across the edge. At 4/10 ft. air under the nappe is the full length of the edge. About 9/10 ft. of head appears to be the norm here (=1500 mi.)

$2h \times .9 = 1.8$ ft. required contraction on sides and bottom.

During 2007 I have gotten 1.68 on my staff gauge here (=3868 mi.)

$2h \times 1.68 = 3.36$ ft. required contraction sides and bottom.

This one has less than 7/10 ft. on the bottom.

BLRID had no charts for a 11 ft. rectangular weir.

I was instructed to add a 5 ft. and 6 ft. standard contracted rectangular together.



Eastside Canal
Tyler Felton

March 22, 2010
Down stream of Eastside at Felton's
Felton's and above end of Island canal

Inactive.



Eastside Canal
Into James Creek
43"

March 22, 2010
N 43° 41' 59" W 113° 20'

Two (2) control gates into James Creek that are adjustable and lockable. No measuring device.



Eastside Canal
North of Doug Schureman Well
44"

March 22, 2010
N 43° 41' 58" W 113° 20'

Inactive headgate that is adjustable and lockable.



Eastside Canal

March 22, 2010

Canal North of Doug Schureman's well. Note the pile of debris in the middle of canal channel causing bank erosion.



Eastside Canal
Doug Schureman

March 22, 2010
N 43° 41' 54.7" W 113° 20' 40.9"

Active well. Wheat-Land flow meter.



Eastside Canal

March 22, 2010

Nolan Beard

N 43° 41' 54.2" W 113° 20' 41.4"

Active. Adjustable and lockable headgate. 3 ft. Cipolletti weir.

Measuring device needs repair due to bent edge that allows water to go under it.



Eastside Canal
Larry Rasmussen

March 22, 2010
N 43° 41' 47.9 W 113° 20' 37.1"

Active well. Inspection could not determine if flow meter works.



Eastside Canal

March 22, 2010

N 43° 41' 21" W 113° 20'

22"

Fence line between Nolan Beard and Mary Lou Felton. Note the huge pile of dirt and debris causing considerable obstruction to canal flows.



Eastside Canal
Felton PU Ranch
20"

March 22, 2010
N 43° 41' 19" W 113° 20'

Inactive headgates that are adjustable and lockable. Structure has filled with debris obstructing flows.



Eastside Canal
Mary Leo Felton

March 22, 2010
N 43° 41' 19" W 113° 20' 20"

Inactive headgate.



Eastside Canal
Mary Leo Felton
21"

March 22, 2010
N 43° 41' 08.1" W 113° 20'

Active station. Magnetic Flow Meter. Control is adjustable and lockable. System appears to be poorly designed.



Eastside Canal

March 22, 2010

North West of Mary Leo Felton's home

N 43° 41' 03" W 113° 20'

19"

Inactive headgate with control device.



Eastside Canal
Reva Walker

March 22, 2010
N 43° 40' 43.3" W 113° 20' 10.1"

Active station with 1.5 ft. Rectangular measuring device. Adjustable and lockable control device. Approach needs to be cleaned to make device accurate.



Eastside Canal
Richard Reynolds

March 22, 2010
N 43° 40' 43.1" W 113° 20' 11.1"

Active station. No measuring device, although there is a port for a flow meter. There is not enough straight unobstructed pipe up-stream or down for any type of flow meter to operate correctly. There is an adjustable and lockable control.



Eastside Canal

March 22, 2010

N 43° 40' 31" W 113° 20'

10"

South of Richard Reynold's booster pump. Note the fence crossing the canal and the debris causing an obstruction to flows.



Eastside Canal

March 22, 2010

South East corner of Richard Reynolds

Inactive headgate.



Eastside Canal

March 22, 2010

N 43° 40' 28" W 113° 20'

22"

North end of Tony Madsen's property. Tree causing bank erosion and obstructing canal flows.



Eastside Canal
Tony Madson

March 22, 2010
N 43° 40' 15.2" W 113° 20' 14.5"

Active station. No measuring device. Control is adjustable and lockable.



Eastside Canal
South of 2700

03-26-2010
N 43° 39' 58" W 113° 20' 20"



Eastside Canal
No name of site

03-26-2010
N 43° 39' 47" W 113° 20' 01"

Inactive headgate.



Eastside Canal
PU Ranch
02"

03-26-2010
N 43° 39' 39" W 113° 20'

Active station. No measuring device. Two (2) adjustable and lockable control devices.



Eastside Canal

03-26-2010

South of PU Ranch and North of Arco Diversion



Eastside Canal

03-26-2010

North of Eastside Out

BLRID crew scraped sides but left sago pond grass and sediments un-disturbed. Water will flow around pond grass and erode banks.



Eastside Canal

03-26-2010

North of East Side Out

BLRID crew scraped sides but left sago pond grass and sediments un-disturbed. Water will flow around pond grass and erode banks.



Eastside Canal
North of Eastside Out
03"

03-26-2010
N 43° 39' 27" W 113° 20'

BLRID crew did not clean the pond grass out of the channel. When the grass grows the water will go around the side and cut the banks.





Eastside Canal

03-26-2010

Eastside Out

N 43° 39' 13" W 113° 20'

03"

11 ft. is not a standard rectangular weir. A data logger will be installed at this location.





Eastside Canal

03-26-2010

Arco Canal Heading Weir
00"

N 43° 39' 10" W 113° 20'

Arco Canal Heading gates are adjustable and lockable. As discussed on the symposium tour, the measuring device is not adequate due to design. There is not enough elevation drop or contraction especially from the bottom and water does not have a straight shot at the weir. A data logger will be installed at this site.



Eastside Canal
Munsey Heading

03-26-2010
N 43° 39' 06" W 113° 20' 06"

Control device is adjustable and lockable. It also appears that the bottom of the upstream channel is only a few in. lower than the bottom of the gates. The condition of the measuring device is follows:



The measuring device is a 5 ft. Parshall flume. Please note the front to back on East and West sides are nearly level. The East side of the floor is 1.25 in. lower than the West side of the floor. The gauge is 3/100 short and is mounted on the low side.

The West Side



The East Side



The bottom of the flume box is not level side to side. Note the difference of approx. 1.25 in. This device will need to be reset or recalibrated to achieve an accurate reading. This site will also include a data logger.



NAD Off-set (83)	format	hddd°mm ss.s"			
Island Head	Data Logger	Leon Folkman (Well)		Larry Jensen (north)	
N 43° 46' 54" W 113° 21' 06"		N 43° 46' 06" W 113° 21' 04"		N 43° 46' 54" W 113° 21' 06"	
active Y / N	Yes	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	No	adjustable-lockable Y / N	No
operational Y / N	Yes	operational Y / N	-----	operational Y / N	don't know
size & measure type	/ Foot Rect.	size & measure type	3 F Cip. st-box	size & measure type	NONE
acceptable Y / N	No	acceptable Y / N	Yes	acceptable Y / N	No
West of Ranch buildings		Kevin Pearson		Stephen King (south)	
		N 43° 45' 54" W 113° 21' 01"		N 43° 44' 49" W 113° 21' 10"	
active Y / N	No	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes (2)
operational Y / N	No	operational Y / N	don't know	operational Y / N	don't know
size & measure type	-----	size & measure type	Magnetic	size & measure type	sub-re-orifice
acceptable Y / N	No	acceptable Y / N	Yes	acceptable Y / N	don't know
King Mt. Ranch (west)		M. O'Neal (+1)		Alvin Wheeler (upper)	
N 43° 46' 28" W 113° 21' 05"		N 43° 45' 54" W 113° 21' 01"		N 43° 44' 49" W 113° 21' 10"	
active Y / N	Don't Know	active Y / N	Yes	active Y / N	No
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes
operational Y / N	Don't Know	operational Y / N	don't know	operational Y / N	don't know
size & measure type	2 F Cip.	size & measure type	Magnetic	size & measure type	18 in. Parshall
acceptable Y / N	No	acceptable Y / N	don't know	acceptable Y / N	No
King Mt. Ranch (east)		Stephen King (north)		Larry Jensen (south)	
N 43° 46' 28" W 113° 21' 05"		N 43° 45' 28" W 113° 20' 58"		N 43° 44' 14" W 113° 21' 06"	
active Y / N	Yes	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	Yes	operational Y / N	don't know	operational Y / N	don't know
size & measure type	Flow Meter	size & measure type	sub-re-orifice	size & measure type	NONE
acceptable Y / N	Don't know	acceptable Y / N	Yes	acceptable Y / N	NO
North of 3400 (east bank)		Beaverland Ranch		Penny Hawkins	
Dirt fill behind		N 43° 45' 28" W 113° 20' 58"		N 43° 44' 14" W 113° 21' 06"	
active Y / N	No	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	No	operational Y / N	Yes	operational Y / N	don't know
size & measure type	-----	size & measure type	NONE	size & measure type	Parshall
acceptable Y / N	Yes	acceptable Y / N	No	acceptable Y / N	don't know
North & East of Leon Folkman (Well)		Allen Hays		Alvin Wheeler (middle)	
Dirt fill behind		In Beaverland Ranch Ditch		N 43° 43' 59" W 113° 21' 09"	
active Y / N	No	active Y / N	No	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	Don't know	operational Y / N	Yes	operational Y / N	Yes
size & measure type	-----	size & measure type	No	size & measure type	3 F Rect.
acceptable Y / N		acceptable Y / N	No	acceptable Y / N	NO
North of Leon Folkman (Well)		Larry Jensen (Well)		Zediker	
Dirt fill behind		N 43° 44' 49" W 113° 21' 15"		N 43° 43' 59" W 113° 21' 09"	
active Y / N	No	active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes
operational Y / N	Don't know	operational Y / N	-----	operational Y / N	Yes
size & measure type	-----	size & measure type	None	size & measure type	18 in. Parshall
acceptable Y / N		acceptable Y / N	No	acceptable Y / N	Yes

NAD Off-set (83)	format	hddd*mm'ss.s"
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Richard Keller		Hendricks/Felton (Well)	
N 43° 43' 46" W 113° 21' 14"		N 43° 42' 39" W 113° 20' 46"	
active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	No	adjustable-lockable Y / N	No
operational Y / N	-----	operational Y / N	-----
size & measure type	NONE	size & measure type	flow meter
acceptable Y / N	No	acceptable Y / N	don't know
Alvin Wheeler (lower)		Hendricks	
N 43° 43' 44" W 113° 21' 13"		N 43° 42' 32" W 113° 20' 46"	
active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	Yes
operational Y / N	Yes	operational Y / N	don't know
size & measure type	Parshall	size & measure type	NONE
acceptable Y / N	No	acceptable Y / N	NO
Jay Jensen (Well)		Jim Babcock (south)	
N 43° 43' 32" W 113° 21' 14"		N 43° 42' 46" W 113° 20' 47"	
active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	don't know	adjustable-lockable Y / N	No
operational Y / N	don't know	operational Y / N	-----
size & measure type	10/12 orifice	size & measure type	Magnetic
acceptable Y / N	Yes	acceptable Y / N	don't know
Jim Babcock (north)		Isom # 2 (Well)	
N 43° 43' 05" W 113° 21' 05"		N 43° 42' 46" W 113° 20' 47"	
active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	Yes	adjustable-lockable Y / N	No
operational Y / N	Yes	operational Y / N	-----
size & measure type	2 ft Parshall	size & measure type	3F Cip. st-box
acceptable Y / N	No	acceptable Y / N	Yes
Isom # 1 (Well)		Larry Quits (Well)	
N 43° 42' 54" W 113° 21' 04"		N 43° 42' 12" W 113° 20' 47"	
active Y / N	Yes	active Y / N	Yes
adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes
operational Y / N	-----	operational Y / N	don't know
size & measure type	3F Cip. st-box	size & measure type	10/12 orifice
acceptable Y / N	Yes	acceptable Y / N	Yes
Parkinson Farm (Well)		Tyler Felton	
N 43° 42' 52" W 113° 21' 04"		N 43° 42' 04" W 113° 20' 44"	
active Y / N	repair	active Y / N	Yes
adjustable-lockable Y / N	No	adjustable-lockable Y / N	Yes
operational Y / N	No	operational Y / N	don't know
size & measure type	-----	size & measure type	Magnetic
acceptable Y / N	-----	acceptable Y / N	don't know
Darrel McDonald (Well)			
N 43° 42' 49" W 113° 20' 47"			
active Y / N	Yes		
adjustable-lockable Y / N	No		
operational Y / N	-----		
size & measure type	10/12 orifice		
acceptable Y / N	Yes		

Island Canal
Island out of Eastside
06"

March 27, 2010
N 43° 46' 54" W 113° 21'

Active canal heading. Adjustable and lockable control. 7 ft. rectangular measuring device. Not acceptable because the device lacks adequate contraction and the water flow does not have a straight approach to the weir. A data logger will be installed at this location to assist in accurate calibration.



Island Canal

March 27, 2010

Upper end of Island in King Mountain Ranch



Island Canal
South of Island head and West of JR's home

March 27, 2010

Inactive headgate. The 8 in. lip in the check structure should be removed to reduce water stacking which causes excessive shrink.



Island Canal
King Mountain Ranch (West)
05"

March 27, 2010
N 43° 46' 28" W 113° 21'

Active station. Adjustable and lockable control. 2 ft. Cipolletti weir.
The area around the weir needs to be cleaned.



Up stream in Island 100 feet. The tree limb has caught some debris and is causing canal flows to be reduced and shrink to increase.



Island Canal
King Mountain Ranch (East)
05"

March 27, 2010
N 43° 46' 28" W 113° 21'

Active headgate. Adjustable and lockable control. The measuring device is a flow meter located in the discharge pipe.



Island Canal
(3) Inactive headgates.

March 27, 2010

North of 3400
side



South of 3400 East



South of 3400 West side



Island Canal
Leon Folkman (Deep Well)
04"

March 27, 2010
N 43° 46' 06" W 113° 21'

Active well. 3 ft. Cipolletti weir and stilling box.



Island Canal
Kevin Pearson
01"

March 27, 2010
N 43° 45' 54" W 113° 21'

Active station. Adjustable and lockable control.
The measuring device is a Magnetic meter.



Mike O'Neal - Active station with Magnetic meter.



Island Canal
King and Beaverland Gates
58"

March 27, 2010
N 43° 45' 28" W 113° 20'

Active stations for Stephen King with a submerged rectangular orifice, and Beaverland Ranch which does not have a measuring device. Station should be cleaned to improve efficiencies. Both stations have adjustable and lockable controls.



S. & S. King submerged orifice
Gate



Beaverland Ranch



Island Canal
Stephen King (South)
10"

March 27, 2010
N 43° 44' 49" W 113° 21'

Active station. Adjustable and lockable control.
The measuring device is a submerged orifice.



Island Canal
Alvin Wheeler (North)
10"

March 27, 2010
N 43° 44' 49" W 113° 21'

Active station. Adjustable and lockable control. 18 in. Parshall flume.
The flume will need to be cleaned to achieve an accurate measurement reading.



Island Canal
Larry Jensen (well)
15"

March 27, 2010
N 43° 44' 49" W 113° 21'

Active well. No measuring device.



Island Canal
Larry Jensen (north)
06"

March 27, 2010
N 43° 46' 54" W 113° 21'
06"

Active station. No adjustable and lockable control. No active measuring device. Submerged orifice plate not installed or used.



Island Canal
Larry Jensen (South)
06"

March 27, 2010
N 43° 44' 14" W 113° 21'

Active headgate. Adjustable and lockable control. No measuring device.



Island Canal
Penny Hawkins
06"

March 27, 2010
N 43° 44' 14" W 113° 21'

Active headgate. Adjustable and lockable control. The measuring device is a Parshall flume.



Island Canal
A. Wheeler & E. Zediker
09"

March 27, 2010
N 43° 43' 59" W 113° 21'

Active headgates. Adjustable and lockable controls. 3 ft. rectangular weir and a 18 in. Parshall flume (front 1.0 in. high). Note the fallen tree in canal.

Alvin Wheeler (left)

Ernest Zediker (right)



Alvin Wheeler 3 ft. Rect.

E. Zediker 18 in. Parshall



Island Canal
Richard Keller
14"

March 27, 2010
N 43° 43' 46" W 113° 21'

Active headgate. No adjustable and lockable controls. No measuring device.



Island Canal
Alvin Wheeler (South)
13"

March 27, 2010
N 43° 43' 44" W 113° 21'

Active headgate. Adjustable and lockable control. 18 in. Parshall flume.
The sides of the flume are distorted by tree root over growth.

Potter Well is not active

Gate this side of check not active



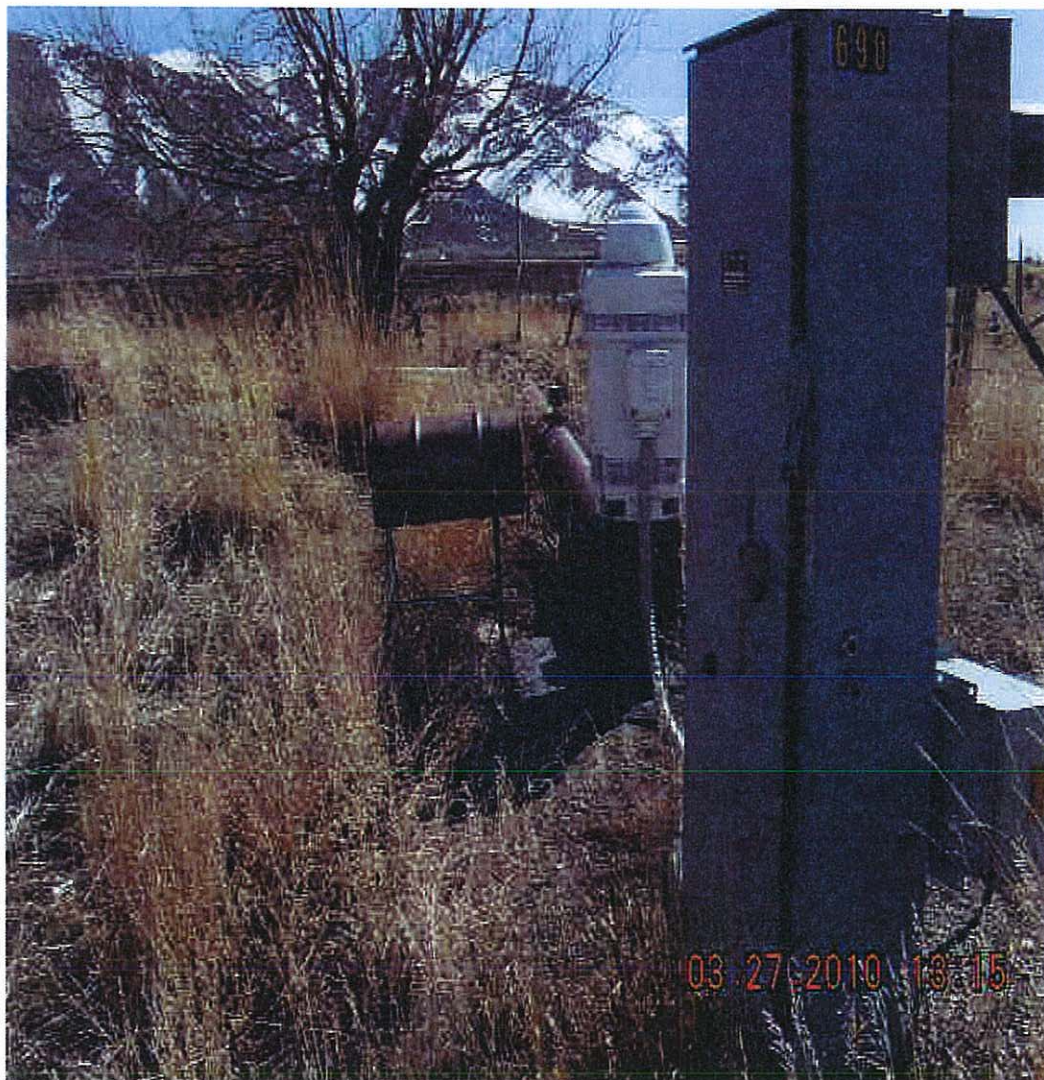
Tree roots in approach, roots have pushed sides in.



Island Canal
Jay Jensen Well
14"

March 27, 2010
N 43° 43' 32" W 113° 21'

Active well with 10 in. restricted orifice on 12 in. discharge pipe.



Island Canal
Jim Babcock
05"

March 27, 2010
N 43° 43' 05" W 113° 21'

Active headgate. Adjustable and lockable control. 2 ft. Parshall flume. The flume needs to be leveled and vegetation removed prior to being acceptable.



Grass sediments block approach and front end is 1.0 in. high



Island Canal
Isom # 1 Well
04"

March 27, 2010
N 43° 42' 54" W 113° 21'

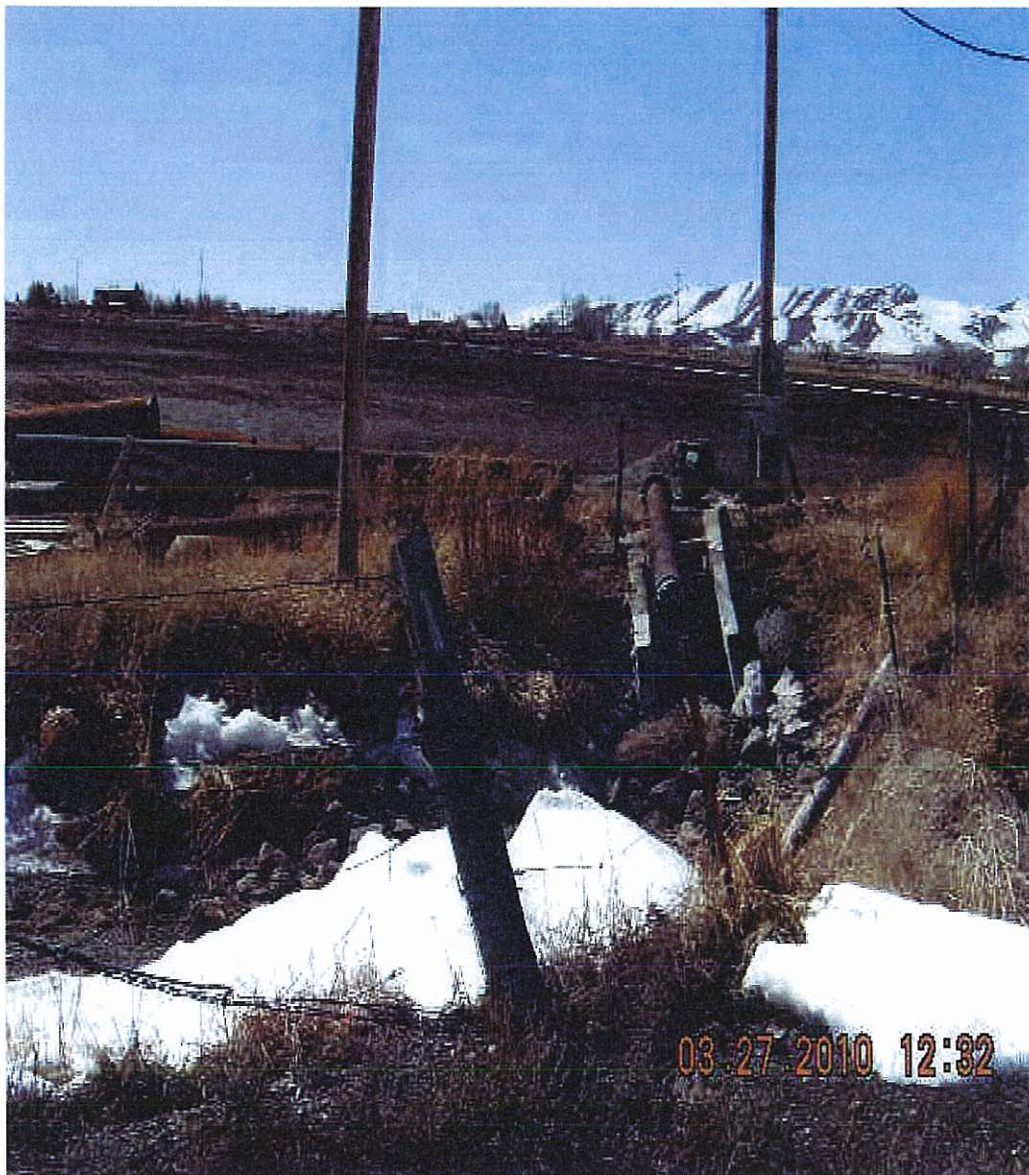
Active well. 3 ft. Cipolletti weir and stilling box.



Island Canal
Parkinson Farms
04"

March 27, 2010
N 43° 42' 52" W 113° 21'

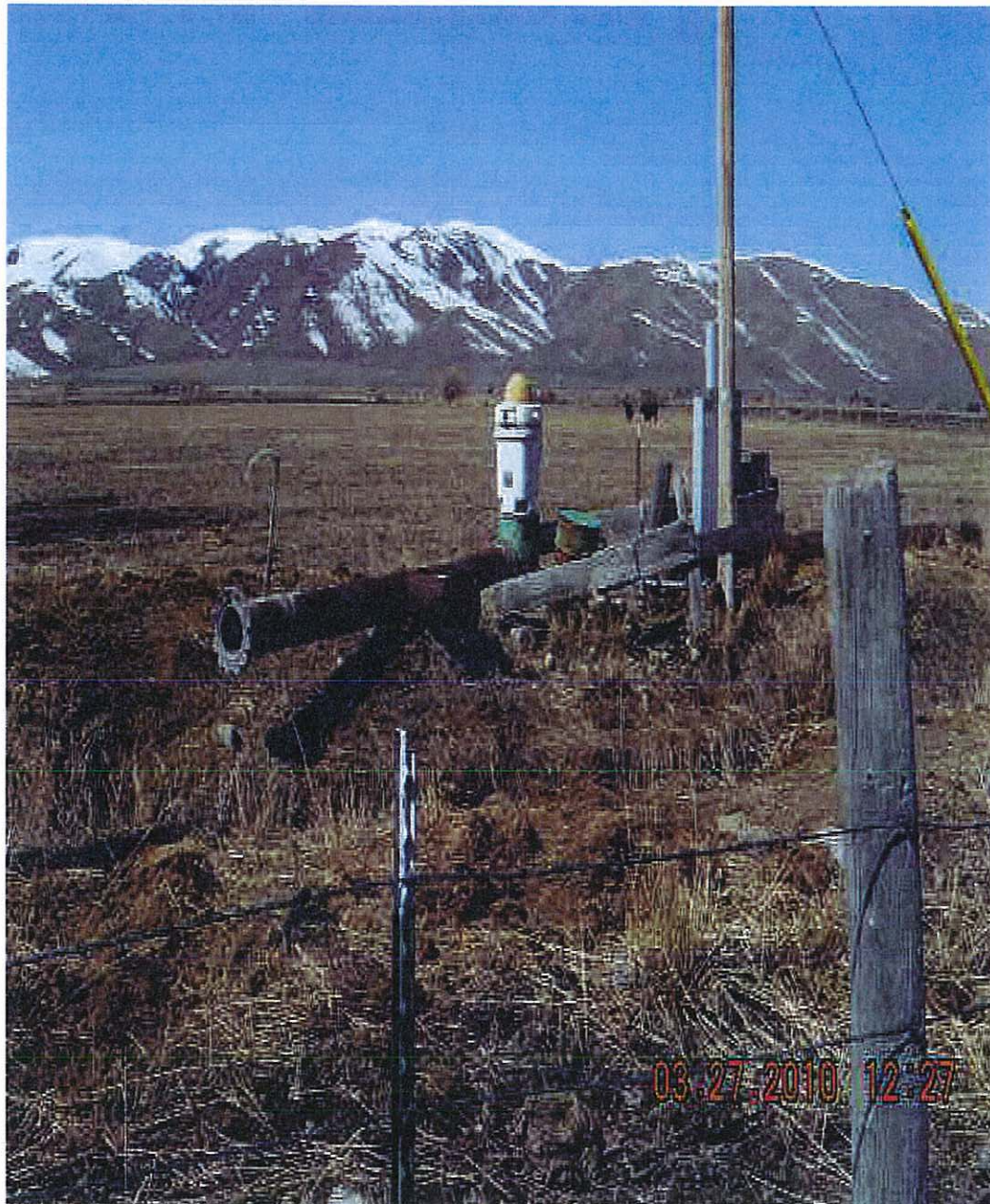
Active well being repaired. The adequacy of the measuring device will have to be determined when repairs are completed, but prior to use.



Island Canal
Darrel McDonald Well
47"

March 27, 2010
N 43° 42' 49" W 113° 20'

Active well. 10 in. restricted orifice. 12 in. discharge pipe.



Island Canal
Hendricks/Felton Well
46"

March 27, 2010
N 43° 42' 39" W 113° 20'

Active well. Flow meter in discharge pipe. Pipe sizes vary on both sides of meter. Closer inspection will be required to verify calibration readings.



North of Hendricks Felton Well



Island Canal
Doug Hendricks
46"

March 27, 2010
N 43° 42' 32" W 113° 20'

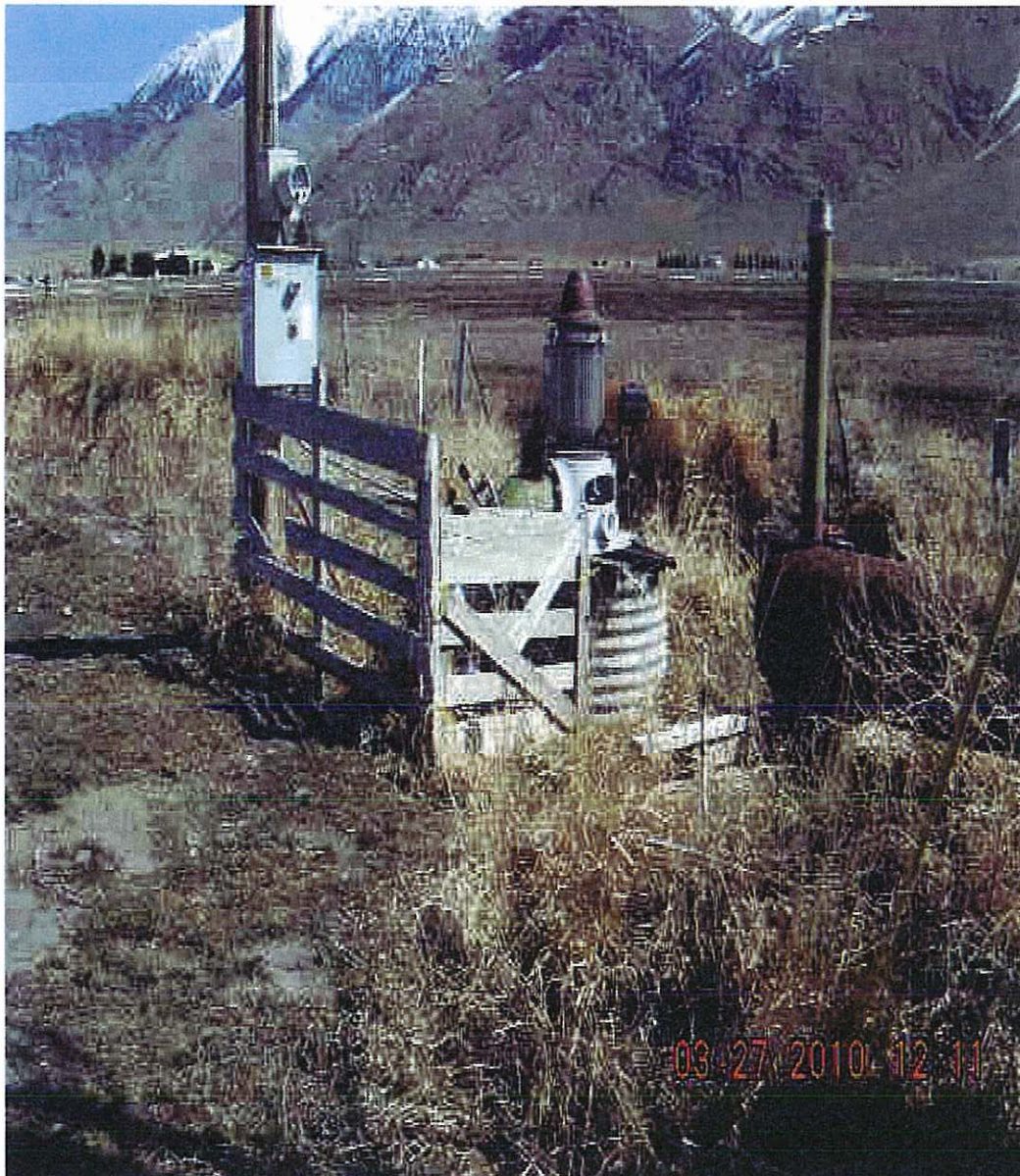
Active headgate. Adjustable and lockable control. No measuring device on pumping station. Measuring device is required for system to be in compliance.



Island Canal
Jim Babcock (South)
47"

March 27, 2010
N 43° 42' 46" W 113° 20'

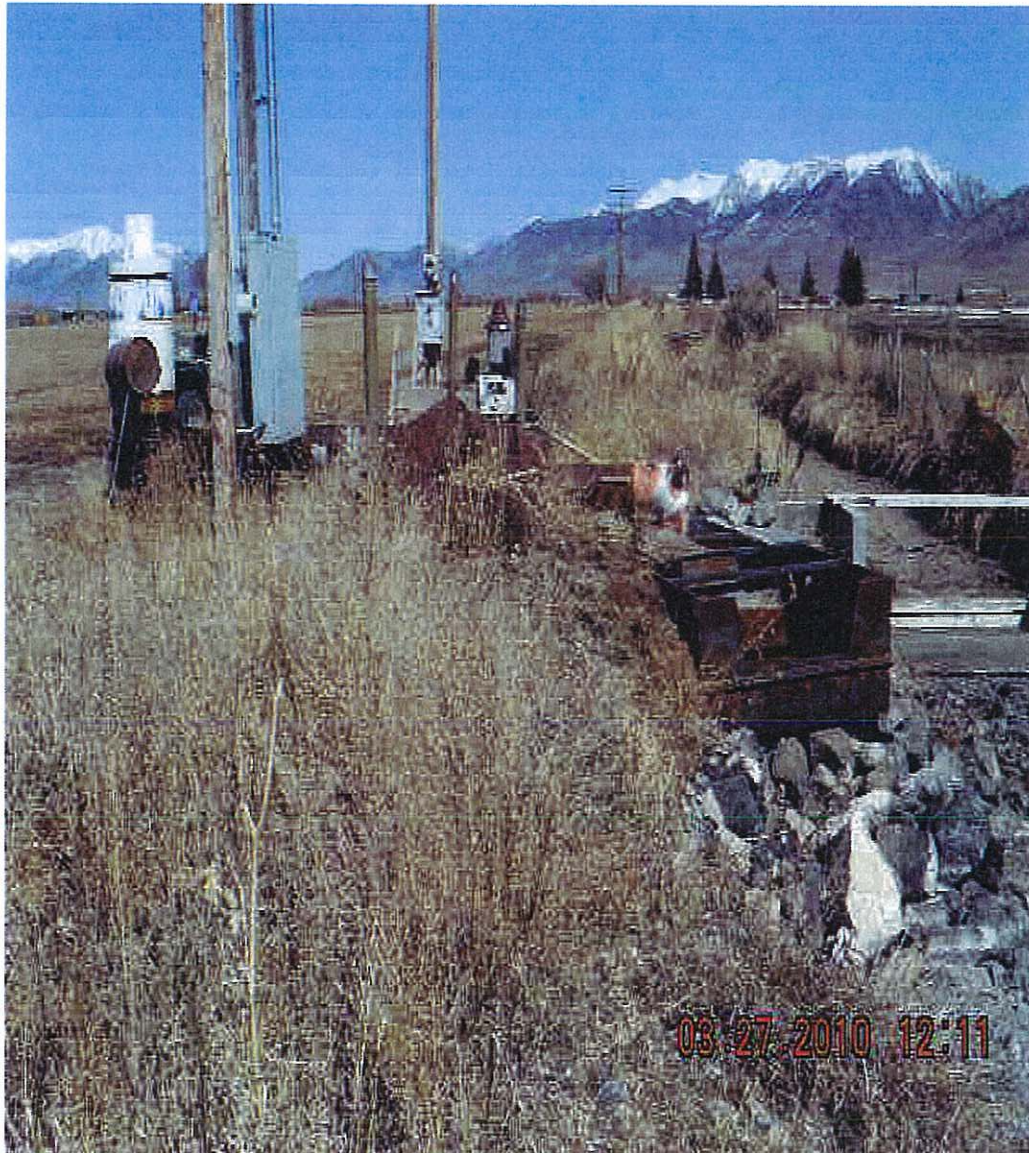
Active station. Magnetic flow meter. No adjustable and lockable control.



Island Canal
Isom # 2 Well
47"

March 27, 2010
N 43° 42' 46" W 113° 20'

Active well. 3 ft. Cipolletti weir and stilling box.



Island Canal
Larry Quist Well
47"

March 27, 2010
N 43° 42' 12" W 113° 20'

Active well. 10 in restricted orifice in 12" discharge pipe. The discharge also has an adjustable valve.



Island Canal
Tyler Felton
44"

March 27, 2010
N 43° 42' 04" W 113° 20'

Active station. Adjustable and lockable control. Magnetic flow meter.



Munsey Compliance Report

April 2, 2010

P 1 of 2

NAD Off-set (83)		format	hddd*mm'ss.s"		
Marlin Lambert			Not active Brooks Buxton (north)		Parkinson Farms (middle)
N 43° 38' 39" W 113° 19' 58"			N 43° 36' 39" W 113° 19' 11"		N 43° 35' 55" W 113° 19' 00"
active Y / N	Yes		active Y / N	No	active Y / N
adjustable-lockable Y / N	Yes		adjustable-lockable Y / N	Yes	adjustable-lockable Y / N
operational Y / N	do not know		operational Y / N	do not know	operational Y / N
size & measure type	MIC		size & measure type	none	size & measure type
acceptable Y / N	do not know		acceptable Y / N		acceptable Y / N
Brook Casper			(5) Not active Brooks Buxton		Doug Schureman
N 43° 38' 31" W 113° 19' 56"			N 43° 36' 47" W 113° 19' 17"		N 43° 35' 41" W 113° 18' 58"
active Y / N	Yes		active Y / N	No	active Y / N
adjustable-lockable Y / N	Yes		adjustable-lockable Y / N	yes	adjustable-lockable Y / N
operational Y / N	do not know		operational Y / N	do not know	operational Y / N
size & measure type	Parshall		size & measure type	none	size & measure type
acceptable Y / N	No		acceptable Y / N		acceptable Y / N
Not Active south of 2450 North			Upper Isom & Leon Folkman Lift Pumps		Munsey @ LLP (48-Par)
N 43° 38' 05" W 113° 19' 45"			N 43° 36' 47" W 113° 19' 17"		N 43° 35' 22" W 113° 18' 58"
active Y / N	No		active Y / N	Yes Yes	active Y / N
adjustable-lockable Y / N	Yes		adjustable-lockable Y / N	Yes Yes	adjustable-lockable Y / N
operational Y / N	do not know		operational Y / N	Yes Yes	operational Y / N
size & measure type	none		size & measure type	McCrometer(2)	size & measure type
acceptable Y / N			acceptable Y / N	Yes Yes	acceptable Y / N
Donald Northrop			Kenneth Bell		Not Active (N/W Jensen)
N 43° 37' 37" W 113° 19' 32"			N 43° 36' 34" W 113° 19' 05"		N 43° 35' 16" W 113° 18' 58"
active Y / N	Yes		active Y / N	do not know	active Y / N
adjustable-lockable Y / N	No		adjustable-lockable Y / N	Yes	adjustable-lockable Y / N
operational Y / N			operational Y / N	do not know	operational Y / N
size & measure type	don't know		size & measure type	none	size & measure type
acceptable Y / N	No		acceptable Y / N	No	acceptable Y / N
Brian Anderson			Lyle David (Deep well)		Parkinson Farms (south)
N 43° 37' 26" W 113° 19' 37"			N 43° 36' 34" W 113° 18' 52"		N 43° 34' 50" W 113° 18' 58"
active Y / N	Yes		active Y / N	Yes	active Y / N
adjustable-lockable Y / N	Yes		adjustable-lockable Y / N	No	adjustable-lockable Y / N
operational Y / N	Yes		operational Y / N		operational Y / N
size & measure type	18 in. Parshall		size & measure type	None	size & measure type
acceptable Y / N	Yes		acceptable Y / N	No	acceptable Y / N
Jay Andersen			Lyle David (Well Discharge)		Munsey End To Jensen
N 43° 37' 26" W 113° 19' 36"			N 43° 36' 31" W 113° 18' 58"		N 43° 34' 50" W 113° 18' 58"
active Y / N	Yes		active Y / N	Yes	active Y / N
adjustable-lockable Y / N	Yes		adjustable-lockable Y / N	No	adjustable-lockable Y / N
operational Y / N	Yes		operational Y / N		operational Y / N
size & measure type	1F-sub-orifice		size & measure type	none	size & measure type
acceptable Y / N	No		acceptable Y / N	No	acceptable Y / N
Not Active Jay Andersen			Lyle David		East Lateral
N 43° 37' 26" W 113° 19' 36"			N 43° 36' 27" W 113° 18' 59"		N 43° 35' 56" W 113° 18' 56"
active Y / N	No		active Y / N	Yes	active Y / N
adjustable-lockable Y / N	Yes		adjustable-lockable Y / N	Yes	adjustable-lockable Y / N
operational Y / N	do not know		operational Y / N	Yes	operational Y / N
size & measure type	none		size & measure type	18 Parshall	size & measure type
acceptable Y / N			acceptable Y / N	No	acceptable Y / N
Ted Sluder			Parkinson Farms (north)		Not Active (north of Doug S. home)
N 43° 37' 13" W 113° 19' 30"			N 43° 36' 15" W 113° 18' 59"		N 43° 36' 47" W 113° 19' 17"
active Y / N	do not know		active Y / N	Yes	active Y / N
adjustable-lockable Y / N	No		adjustable-lockable Y / N	Yes	adjustable-lockable Y / N
operational Y / N	do not know		operational Y / N	Yes	operational Y / N
size & measure type	MIC		size & measure type	none	size & measure type
acceptable Y / N	do not know		acceptable Y / N	No	acceptable Y / N

Munsey Compliance Report

April 2, 2010

P 2 of 2

NAD Off-set (83)	format
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Leon Folkman (home)	
N 43° 35' 43" W 113° 17' 48"	
active Y / N	Yes
adjustable-lockable Y / N	Yes
operational Y / N	Yes
size & measure type	18 Parshall
acceptable Y / N	Yes

Parkinson Farms (Scott)	
N 43° 35' 31" W 113° 17' 29"	
active Y / N	Yes
adjustable-lockable Y / N	Yes
operational Y / N	do not know
size & measure type	No
acceptable Y / N	No

C. Huggins & D. Braswell	
N 43° 35' 17" W 113° 17' 19"	
active Y / N	Yes
adjustable-lockable Y / N	No
operational Y / N	canal end
size & measure type	18 Parshall
acceptable Y / N	

Not Active 2150 N. 2950 W.	
active Y / N	No
adjustable-lockable Y / N	Yes
operational Y / N	do not know
size & measure type	V notch
acceptable Y / N	

Munsey Canal
Marlin Lambert

April 02, 2010
N 43° 38' 39" W 113° 19' 58"

MIC flow meter (unknown if it works).
Adjustable and lockable control.



Munsey Canal
Brook Casper

April 02, 2010
N 43° 38' 31" W 113° 19' 56"

Adjustable and lockable control. Parshall flume does not work because of trash and sediments in approach.



Munsey Canal
South of 2500 North and North of 2450 North

April 02, 2010

Vegetation on banks needs to be removed or it will cause flow obstruction.



Munsey Canal
South of 2450 North

April 02, 2010
N 43° 38' 05" W 113° 19' 45"

Inactive. Adjustable and lockable control headgate. No measuring device.



Munsey Canal
Donald Northrop

April 02, 2010
N 43° 37' 37" W 113° 19' 32"

Flow meter exists but is covered with tape. Unknown if the meter is operational.
No adjustable and lockable control.



Munsey Canal
North and South of Donald Northrop

April 02, 2010

Heavy brush and vegetation extending into canal.



Munsey Canal
Brian Anderson

April 02, 2010
N 43° 37' 26" W 113° 19' 36"

Adjustable and lockable control. 18 in. Parshall flume. Vegetation and trash need to be removed before device will measure accurately.



Munsey Canal
Jay Andersen

April 02, 2010
N 43° 37' 26" W 113° 19' 36"

Adjustable and lockable control. 12 in. x 12 in submerged orifices. Sediment needs to be removed from the up stream side of the plate.



Munsey Canal
Jay Andersen

April 02, 2010
N 43° 37' 26" W 113° 19' 36"

Inactive headgate.



Munsey Canal
Ted Sluder

April 02, 2010
N 43° 37' 13" W 113° 19' 30"

MIC device but it was uncertain if it works. Adjustable control is not lockable.



Munsey Canal

April 02, 2010

Six (6) inactive headgates south of Ted Sluder and North of Kenneth Bell. Please note the excessive vegetation in canal channel.

(# 1) N 43° 37' 00" W 113° 19' 23"
19' 17"



(# 2 & 3) N 43° 36' 47" W 113°



(# 4) East of Upper Isom & Leon Folkman Lift pumps



(#5) has been open for an unknown period of time resulting in water loss.



(# 6) just north of Highway 20 26 93



Munsey Canal
Upper Isom & Leon Folkman Lift Pumps

April 02, 2010
N 43° 36' 47" W 113° 19' 17"

Two (2) McCrometers installed with 15 ft. clean pipe diameters up stream and 5 ft. down stream. Water supplies can be measured a second time with Polysonic meter and a third time with a Parshall flume at end of discharge pipe. Each discharge pipe has an adjustable and lockable control valve.



Munsey Canal
Kenneth Bell

April 02, 2010
N 43° 36' 34" W 113° 19' 05"

Adjustable and lockable control. No measuring device.



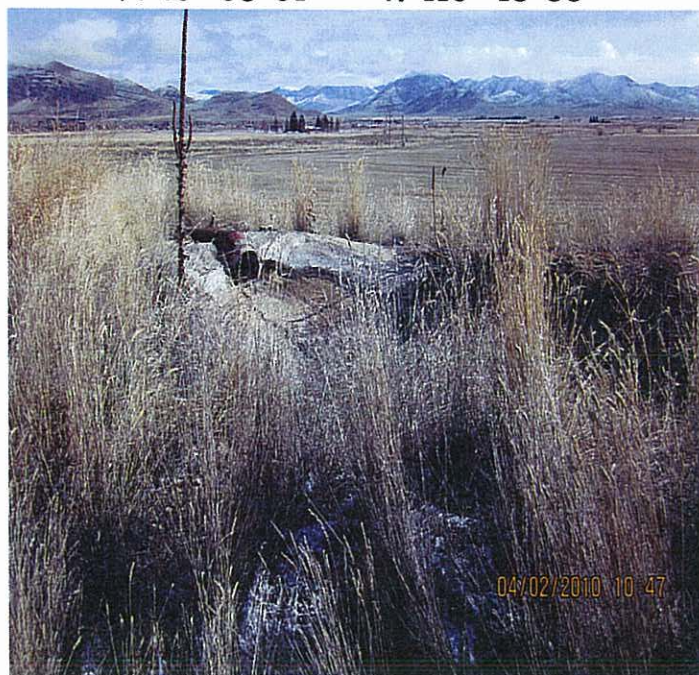
Munsey Canal
Lyle David (Well)

April 02, 2010
N 43° 36' 34" W 113° 18' 52"

Neither the well water or the surface water from the Munsey Canal are measurable prior to being commingled, but are measured after being commingled. Surface water from the Munsey canal is controllable.



N 43° 36' 31" W 113° 18' 58"



Munsey Canal
Lyle David

April 02, 2010
N 43° 36' 27" W 113° 18' 59"

Headgate is adjustable and lockable. 18 in. Parshall flume. Approach to flume needs to be cleaned for accurate measurement.



Munsey Canal
Parkinson Farms (North station)

April 02, 2010
N 43° 36' 15" W 113° 18' 59"

Measuring device has been removed for the winter. Adjustable and lockable control.



Munsey Canal
Parkinson Farms (middle station)

April 02, 2010
N 43° 35' 55" W 113° 19' 00"

Three (3) adjustable and lockable controls. The measuring device has been removed for the winter.



Munsey Canal

Doug Schureman

Adjustable and lockable control that is in need of repair. 24 in. Parshall flume.

April 02, 2010

N 43° 35' 41" W 113° 18' 58"



Munsey Canal
Lower Isom Lift Pump

April 02, 2010
N 43° 35' 22" W 113° 18' 58"

Adjustable and lockable control valve. 3 ft. Cipolletti weir with stilling box is located at the end of the discharge pipe.



N 43° 35' 23" W 113° 20' 10"



Munsey Canal
Jensen's N/W corner

April 02, 2010
N 43° 35' 16" W 113° 18' 58"

Inactive heading. Not lockable. No measuring device.

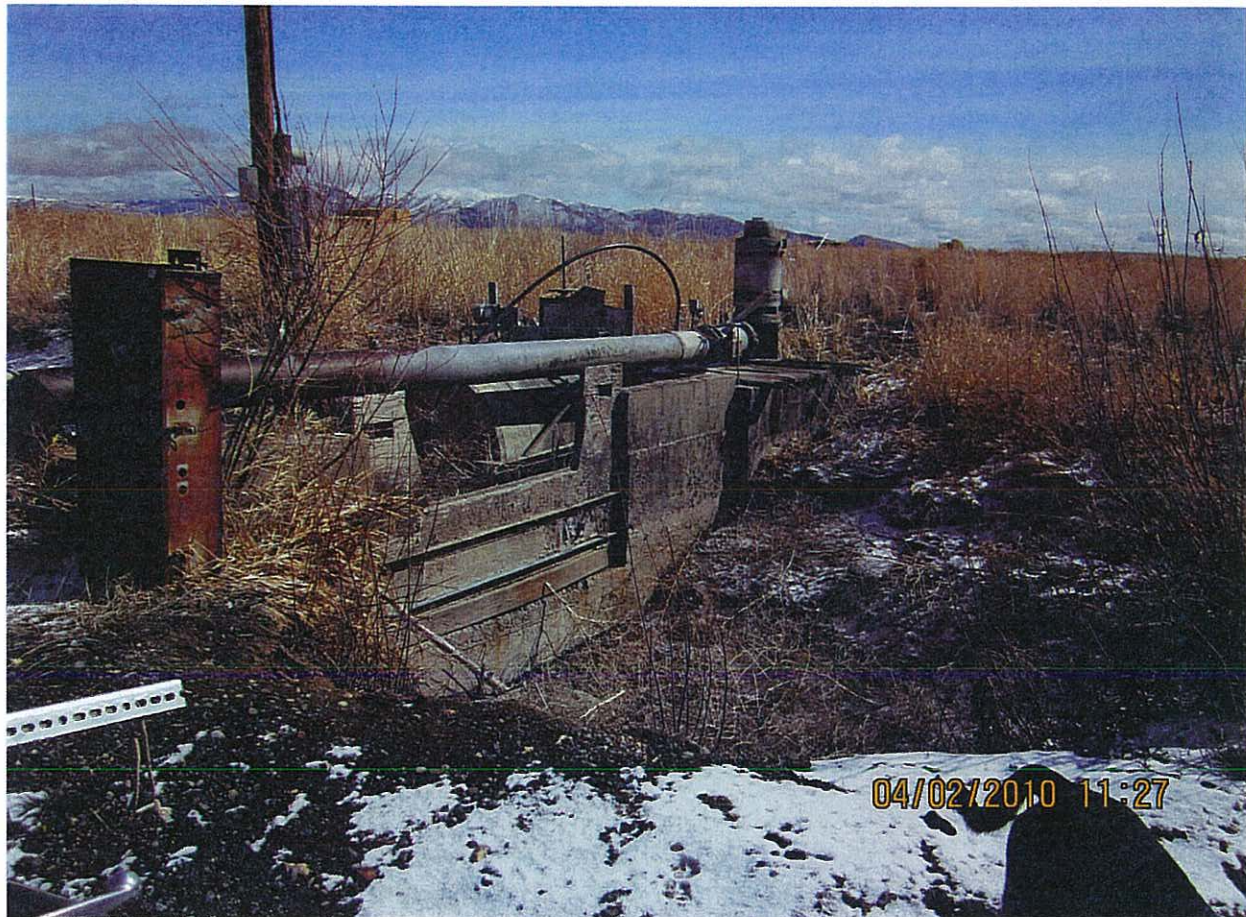


Munsey Canal
Parkinson Farms (South station)

April 02, 2010
N 43° 34' 50" W 113° 18' 58"

Adjustable and lockable control. The measuring device has been removed for the winter.

This is also the end of the Munsey Canal. 48 in. Cipolletti is bowed and is not measuring water accurately.



Munsey East Lateral
Out of the Munsey Canal

April 02, 2010
N 43° 35' 56" W 113° 18' 56"

Headgate is adjustable and lockable. 24 in. Parshall flume which needs approach cleaned prior to use.



Munsey East Lateral
Doug Schureman Home

April 02, 2010
N 43° 36' 47" W 113° 19' 17"

Inactive headgate. Adjustable and lockable control.



Munsey East Lateral
Leon Folkman Pumping Station

April 02, 2010
N 43° 35' 43" W 113° 17' 48"

Adjustable and lockable control. 18 in. Parshall flume.



Munsey East Lateral
North of Scot Parkinson home

April 02, 2010

This reach of the lateral is extremely trashy and poorly maintained. High loss area.



Munsey East Lateral
Parkinson Farms (South pivot)

April 02, 2010
N 43° 35' 31" W 113° 17' 29"

Adjustable and lockable control is located at the pivot point. It could not be determined if the flow meter is operational.



Munsey East Lateral
Charles Huggins & Dennis Braswell

April 02, 2010
N 43° 35' 17" W 113° 17' 19"

Headgate is adjustable and lockable. 18 in. Parshall flume will require approach cleaning to measure accurately.

