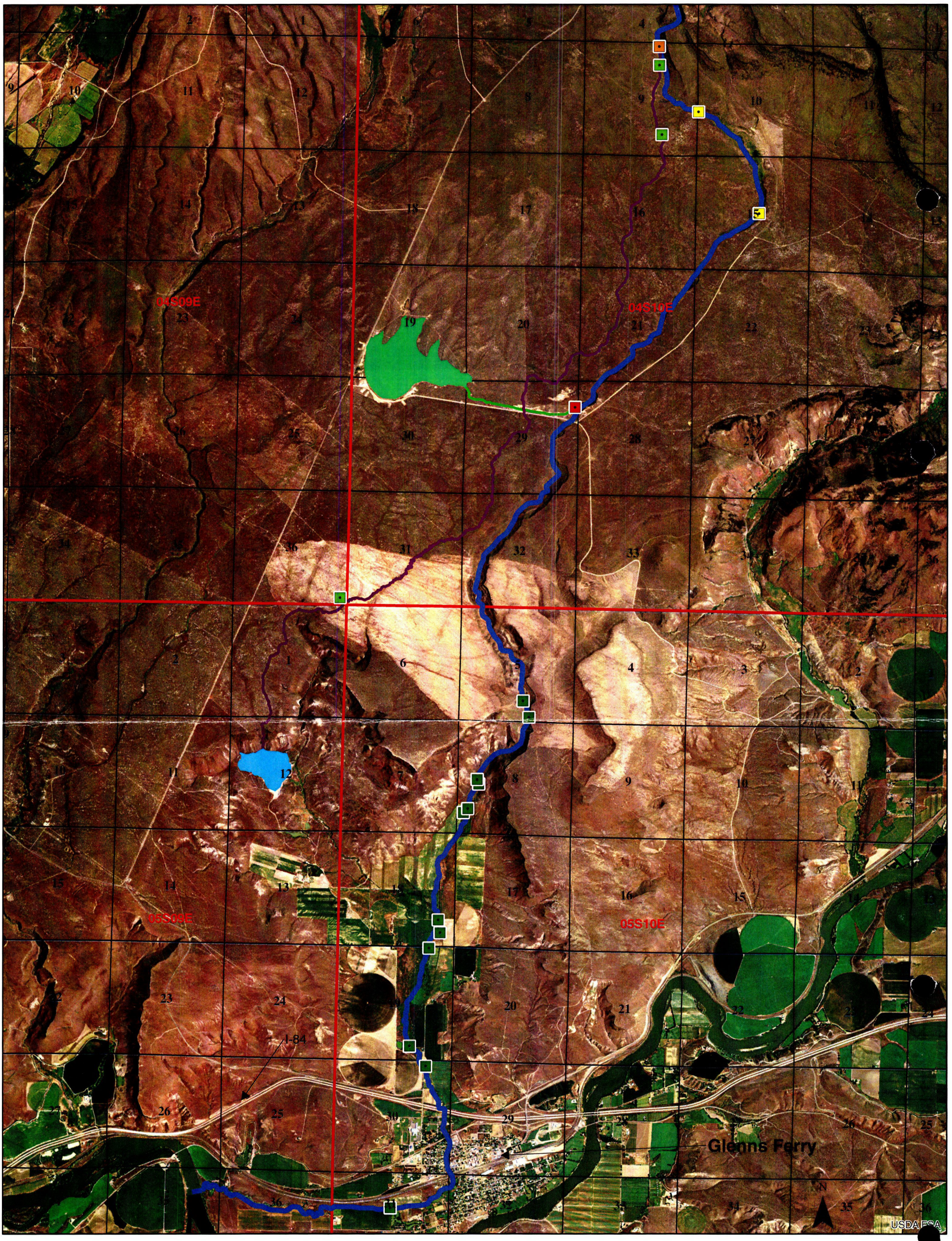
Little Canyon Creek Diversions



0 0.75 1.5 3 4.5 6 Miles

2011 Aerial Photo

Legend

- WRs Senior to 1895
- Casa Del Norte In-Ditch Stockwater [61-371B(1872)] POD
- Casa Del Norte In-Stream Stockwater [61-12024(1883)] POD
- Batruel [61-308(1895), 61-4132(1903), & 61-10834(1918)] POD
- Trail [61-2228B, 61-2107B, 61-4123C, & 61-4079(1955-1967)] Barber Caven Ranches [61-2228A, 61-2107A, & 61-4090(1955-1967)] POD
- Morrow/Batruel Reservoir
- Blair/Trail Reservoir
- Batruel Ditch
- Trail Ditch
- Little Canyon Ck
- Township/Range
- Sections

NOTES

IDAHO DEPARTMENT OF WATER RESOURCES 7/3/2014

Proof Report

Water Right 61-2076

Owner Type	**Name and Address**
Current Owner	STATE OF IDAHO DEPT OF PARKS & RECREATION STATEHOUSE MAIL PO BOX 83720 BOISE, ID 83720-0065 (208)334-4199

Priority Date: 8/16/1944
Basis: Decreed
Status: Active

Source	**Tributary**
LITTLE CANYON CREEK	SNAKE RIVER
SNAKE RIVER	COLUMBIA RIVER

Beneficial Use	**From**	**To**	**Diversion Rate**	**Volume**
IRRIGATION	03/15	11/15	0.300 CFS	
	Total Diversion		0.300 CFS	

Source and Point(s) of Diversion

LITTLE CANYON CREEK	NWNWNW	Sec. 32, Twp 05S, Rge 10E, ELMORE County
LITTLE CANYON CREEK	L6(SWNENE)	Sec. 35, Twp 05S, Rge 09E, ELMORE County(I)
SNAKE RIVER	L4(NENENW)	Sec. 6, Twp 06S, Rge 10E, ELMORE County(R)

Place Of Use

IRRIGATION within ELMORE County

			NE				NW				SW				SE				
Twp	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
05S	10E	31									9.0	7.0 L5	7.0 L4	25.0 L3			5.0 L2		53.0
06S	10E	6															4.0 L4		4.0

Right Acre Limit: 15.0

POU Total Acres: 57.0

Conditions of Approval:

1. C18 This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.
2. C03 RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO SECTION 42-1425, IDAHO CODE.
3. E52 USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 2.67 CFS. COMBINED RIGHT NOS.: 2-222, 2-2444, 2-7050, & 61-2076.

4. F06 THE FOLLOWING RIGHTS ARE DIVERTED THROUGH POINT OF REDIVERSION DESCRIBED ABOVE: 2-222, 2-2444, 2-7050, & 61-2076.
5. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
6. G03 WATER DIVERTED UNDER THIS RIGHT IS EXCHANGED BY INJECTING WATER DIVERTED UNDER THIS RIGHT INTO SNAKE RIVER AT THE POINT OF INJECTION DESCRIBED ABOVE, AND DIVERTING AN EQUAL AMOUNT FROM SNAKE RIVER AT THE POINT OF REDIVERSION DESCRIBED ABOVE.
7. DIVERSION OF WATER UNDER THIS RIGHT IS LIMITED TO THOSE TIMES WHEN WATER IS AVAILABLE FOR DIVERSION UNDER THE PRIORITY OF THIS RIGHT AT THE ORIGINAL POINT OF DIVERSION IN T05S, R10E, S32, NWNWNW.
8. K06 THIS RIGHT IS LIMITED TO THE IRRIGATION OF 15 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

Comments:

1. SHURTE 5/25/1993 SOURCE CHANGE FROM L. CANYON CREEK TO SNAKE RIVER

THIS RIGHT, ALONG WITH 61-02075 & 61-00296, ALL FOR LITTLE CANYON CREEK ORIGINALLY, WERE CHANGED TO ONE POINT OF DIVERSION FROM THE SNAKE RIVER IN 1985. A TRANSFER WAS FILED ON 61-02075 - NOW NUMBERED 02-02444 & 61-00296 - NOW NUMBERED 02-00222 TO CHANGE THE SOURCE AND THE TRANSFER WAS APPROVED ON 6-12-85. HOWEVER, THIS RIGHT WAS INADVERTENTLY LEFT OUT OF THAT TRANSFER EVEN THOUGH THIS RIGHT ALSO CHANGED TO THE SNAKE RIVER SOURCE IN 1985 PER ROGER FORD OF DEPT. OF PARKS & REC. THEREFORE, I CREATED A SNAKE RIVER BASIN CLAIM NO. A02-10061 TO REFLECT THE ACCOMPLISHED CHANGE IN SOURCE AND CHANGED THIS NUMBER TO THE BASIN 02 NUMBER. JS 5-25-93

2. sking 10/15/2003 SOURCE

Source for this right is Little Canyon Creek injected into the Snake River and rediverted from the Snake River at Three Island State Park.

3. sking 10/15/2003 Recommendation

Recommendation based on license issued November 24, 1950, with accomplished changes in place of use and point of diversion.

4. dshaff 3/13/2009 POD

Updated Shape

Dates and Other Information

Decreed Date: 8/18/2005
Civil Case Number: 39576
Judicial District: FIFTH
State or Federal: S
Water District Number: 61D
Mitigation Plan: False

Combined Use Limits

Rate	Volume	Acres

2.670
61-2076 ,2-7050 ,2-222 ,2-2444

Element Reviewed/Verified Dates:

Element	Last Reviewed Date	Reviewer	Last Verified Date	Verifier	Status
Contacts	10/15/2003	sking			Closed
Priority Date	10/15/2003	sking			Closed
POD	10/15/2003	sking			Closed
Source	10/15/2003	sking			Closed
POU	10/15/2003	sking			Closed
Use	10/15/2003	sking			Closed
Season	10/15/2003	sking			Closed
Quantity	10/15/2003	sking			Closed
Summary	10/15/2003	sking	10/15/2003	sking	Closed

Verification Log

Element	Date	User	Log Text
Contacts	10/15/2003	sking	(No) 1. Do you want to schedule an appointment? Comment for 1: Recommendation based on in-office review of license and claim.
Priority Date	10/15/2003	sking	(No) 1. Should this water use have been included in a later court decree of the water rights from this source? (Yes) 4. Is the basis of claim decree or license? (Yes) 5. Does the decree or license have a Priority Date? (Yes) 6. Did the Claimant claim the decreed or licensed Priority Date ? (Yes) 15. Is the basis of claim coded correctly? (No) 16. Is a Priority Date remark and/or condition required?
POD	10/15/2003	sking	(Yes) 1. Is the basis of this claim a Decree or License? (Yes) 4. Does the Decree or License have a POD? (Yes) 5. Can the claimed POD be verified using the water right file? (Yes) 10. Is a POD remark and/or condition required?
POD	10/15/2003	sking	Edited PLS
Source	10/15/2003	sking	(Yes) 1. Is the basis of claim Decree or License? (Yes) 4. Does the Decree or License have a source? (No) 5. Can the claimed source be verified using the water right file? (No) 7. Is there evidence that there has been a change in the source? (Yes) 10. Does the file contain all the necessary information to verify the source? (Yes) 11. Is a Source remark and/or condition required? Description for Question 10 - Source is Little Canyon Creek, injected into the Snake River in exchange for Snake River water diverted along with 2-222, 2-2444, 2-7050.
POD	10/15/2003	sking	Edited point location
POU	10/15/2003	sking	(Yes) 1. Is the basis of this claim a Decree or License? (Yes) 2a. Is the POU required? (Yes) 5. Does the Decree or License have a POU? (Yes) 6. Can the claimed POU be verified using the water right file?

			(Yes) 14. Is a POU remark and/or condition required?
POU	10/15/2003	sking	Edited shape boundary
POU	10/15/2003	sking	Edited PLS
POU	10/15/2003	sking	Edited Season Of Use
Use	10/15/2003	sking	(Yes) 1. Is the basis of this claim a Decree or License? (Yes) 4. Does the Decree or License have a Purpose of Use? (Yes) 5. Can the claimed Purpose of Use be verified using the water right file? (No) 13. Is a Purpose of Use remark and/or condition required?
Season	10/15/2003	sking	(Yes) 1. Is the basis of claim Decree or License? (No) 4. Does the Decree or License have a Period of Use? (No) 6. Is there evidence that there has been a change in the Period of Use? (Yes) 12. Does the file contain all the necessary information to verify the Period of Use? (No) 13. Is the basis of claim a decree, license, or a transferred beneficial use right that has had the Period of Use administrativly determined? (Yes) 15. Is irrigation claimed as a Purpose of Use? (No) 18. Is a Period of Use remark and/or condition required?
Quantity	10/15/2003	sking	(Yes) 1. Is the basis of this claim a Decree or License? (Yes) 4. Does the Decree or License have a diversion rate and/or volume? (Yes) 5. Can the claimed diversion rate and/or volume be verified using the water right file? (No) 8. Does the parent right have an annual diversion volume limit? (No) 9. Is the source Groundwater and does the purpose of use require a diversion volume limit? (No) 11. Has a diversion volume limit been established by a decree, license or transfer for this water use? (Yes) 12. Is a Quantity remark or condition required?
Summary	10/15/2003	sking	(Yes) 1. Is the basis of this claim a Decree, License, Permit, Application or Posted Notice? (No) 2. Does any evidence indicate a five year period of continuous nonuse occurred that could result in recommending forfeiture or partial forfeiture? (Yes) 5. Does this right have any combined use limits with other rights? (Yes) 6. Is an additional remark and/or condition required? (Yes) 7. Would you like to view the recommended right? (No) 8. Is this a split or combined right? (No) 9. Do you have documents you would like to attach or link to the file? (Yes) 10. Would you like to set the verification date?

SubCase:
N/A

Water Supply Bank:
N/A

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	371A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	05S	10E	19	NWNENE		0.8		80		IRRIGATION	PEARSON, JOYCE
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	09E	36	SESESE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NESWSE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NENWNE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	5	NWSWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	8	SENWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		2		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	297	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	15	SWSWNE		0.02				STOCKWATER	CASA DEL NORTE LP
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		0.02				STOCKWATER	CASA DEL NORTE LP
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NESESW			14.6			STOCK STORAGE, etc	CASA DEL NORTE LP
61	12033	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/1/1883	04S	10E	10	NWNWSW		0.5		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	298	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/25/1885	04S	10E	10	NWNWSW		1.18		65		IRRIGATION	ARK PROPERTIES LLC
61	294	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1886	05S	10E	31	NESENW		0.34		17		IRRIGATION	THREE ISLAND LLC
61	295	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/18/1888	05S	10E	31	SWNE		0.2		85	10	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	303B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NENWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	305	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/3/1892						0.4				IRRIGATION	ROSEVEAR, JOSEPH
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	372	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/6/1892	05S	10E	19	NWNENE		1.6		80		IRRIGATION	PEARSON, JOYCE
61	304B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.8		85	40	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	306	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892						2				IRRIGATION	ROSEVEAR, JOSEPH
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	19	SWSE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	30	NENE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	308	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/7/1895	04S	10E	9	NENWNE		200	700	328		IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	11921	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	12/31/1897	05S	09E	12	SESE		1.16		316	58	DOM, IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293A	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	1/1/1898						0.575				IRRIGATION	VINER, CARLENE R; VINER, RICHARD P
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	09E	12	SESE		0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	SWNW	2	0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	19	SWSE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	SWSE		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	NESW		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4132	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/29/1903	04S	10E	9	NENWNE		10		328		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL
61	2000A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.044		29		IRRIGATION	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	SWNENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	NWSENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	36	NWNW		0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	35	NWNE	6	0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	36	NWNW		0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	35	NWNE	6	0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2055	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE		0.6		30		DOMESTIC, IRRIGATION	MORROW, JAMES C
61	2224	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE			700	30		IRRIGATION STORAGE	MORROW, JAMES C
61	10834	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	NENWNE		0.6	150	328	30	IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUEL, PETER

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	NENE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	SESE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	09E	2	NENE	1	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	10E	18	NWSW	3	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	04S	10E	29	SENENE		0.06				STOCKWATER	USA ACTING THROUGH
61	10681	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	04S	10E	29	SENENE		0.06				STOCKWATER	USA ACTING THROUGH
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	10474	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	2/7/1932	05S	10E	31	NENE		0.02				STOCKWATER	GARDNER, ANNA L; GARDNER, EARL P
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	33	NWNWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWSENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWNESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11440	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	29	NESENE		0.02	1			STOCK STORE, STOCK, etc	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	21	SWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	1	SWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	12	SENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	28	SWSWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	29	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	21	NENWNE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	29	NESESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	19	SENWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	20	SWNENW		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	09E	12	SESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	10E	18	SWNW	2	0.02				STOCKWATER	USA ACTING THROUGH
61	4041A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.02		0.6		IRRIGATION	CRANE, DEWEY A; NICKERSON, ROGER M
61	4041B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.01		0.4		IRRIGATION	TVEIDT JR, DON; TVEIDT, CHERYL
61	4083	Water Right	Active	SPRING	LITTLE CANYON CK	7/1/1941	02S	09E	26	SESE		0.02				STOCKWATER, WILDLIFE	USA ACTING THROUGH
61	2271	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	1/24/1942	04S	10E	19	NESENW			9.97			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	10116	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1943	05S	10E	30	NESESE		0.03				DOMESTIC	SCHELL, BETTY J
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	10E	32	NWNWNW		0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	09E	35	SWNENE	6	0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	SNAKE RIVER	COLUMBIA RIVER	8/16/1944	06S	10E	6	NENENW	4	0.3		57	15	IRRIGATION	STATE OF IDAHO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	11925	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/31/1949	05S	10E	30	SESE		0.04				DOMESTIC	MARTINEZ, JOANNE
61	2304	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	05S	09E	1	SENWNE			2			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2308	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	04S	10E	28	NESENE			1			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2228A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1280	676		IRRIGATION STORAGE, etc	BARBER-CAVEN RANCHES
61	2228B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1252	1546	313	IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL,
61	2107A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.4		338	320	IRRIGATION	BARBER-CAVEN RANCHES
61	2107B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.26		933	313	IRRIGATION	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	11618	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/26/1957	04S	10E	9	SWNE			0.3			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	4123C	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5	933		IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	4123D	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	4123E	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5			IRRIGATION STORAGE	CRANE, RALPH; CRANE, VERNESS
61	4123F	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	11438	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11438	Water Right	Active	UNNAMED STREAMS	SINKS	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	28	NWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE		0.02				STOCKWATER	USA ACTING THROUGH
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	36	NWNW		0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	35	NWNE	6	0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2152	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/6/1965	05S	09E	36	SENW		1.36	272	68		IRRIGATION	ANDERSON, RICHARD W
61	4079	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/1/1967	04S	10E	29	NENE		0.71	141	2479	94	IRR STORAGE, IRR, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	7011	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/9/1967	05S	10E	31	NWSENE		0.08		4		IRRIGATION	ALLEN, CINDY; ALLEN, JOEL
61	7039	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/29/1968	05S	10E	31	SWNE		0.07	9	2		IRRIGATION	THREE ISLAND LLC
61	4090	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1970	04S	10E	29	NENE		0.26		338	18	IRRIGATION	BARBER-CAVEN RANCHES
61	7575	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7575	Water Permit	Active	WASTE WATER	LITTLE CANYON CK	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7666	Water Right	Active	WASTE WATER	LITTLE CANYON CK	7/15/1991	05S	10E	30	NWNE		0.54	7.9			STOCKWATER	OWEN, DAVID E
61	7688	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	3/1/1994	05S	09E	36	SENE			0.5			WILDLIFE STORAGE	ANDERSON, DICK
61	7700	Water Right	Active	WASTE WATER	LITTLE CANYON CK	12/8/1994	05S	10E	30	NWNE		0.23	5.6			STOCKWATER	OWEN, DAVID E
61	12060	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	4/6/2004	05S	10E	30	SESE		0.02		0.5		IRRIGATION	MARTINEZ, LEROY J
61	12263	Water Right	Active	SPRING	LITTLE CANYON CK	4/4/2011	03S	10E	30	NWNWNE		0.02	10.3			STOCKWATER	HAMMETT LIVESTOCK CO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	371A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	05S	10E	19	NWNENE		0.8		80		IRRIGATION	PEARSON, JOYCE
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	09E	36	SESESE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NESWSE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NENWNE		0.4				STOCKWATER	CASA DEL NORTE LP
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	5	NWSWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	8	SENWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	297	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		2		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	15	SWSWNE		0.02				STOCKWATER	CASA DEL NORTE LP
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		0.02				STOCKWATER	CASA DEL NORTE LP
61	12033	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/1/1883	04S	10E	10	NESESW			14.6			STOCK STORAGE, etc	CASA DEL NORTE LP
61	298	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/25/1885	04S	10E	10	NWNWSW		0.5		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	294	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1886	05S	10E	31	NESENW		1.18		65		IRRIGATION	ARK PROPERTIES LLC
61	295	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/18/1888	05S	10E	31	SWNE		0.34		17		IRRIGATION	THREE ISLAND LLC
61	303B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NENWSW		0.2		85	10	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	305	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/3/1892						0.4				IRRIGATION	ROSEVEAR, JOSEPH
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	372	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/6/1892	05S	10E	19	NWNENE		1.6		80		IRRIGATION	PEARSON, JOYCE
61	304B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.8		85	40	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892						2				IRRIGATION	ROSEVEAR, JOSEPH
61	306	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	19	SWSE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	30	NENE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	30	NENE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	308	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/7/1895	04S	10E	9	NENWNE		200	700	328		IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	11921	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	12/31/1897	05S	09E	12	SESE		1.16		316	58	DOM, IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293A	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	1/1/1898						0.575				IRRIGATION	VINER, CARLENE R; VINER, RICHARD P
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	09E	12	SESE		0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	SWNW	2	0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	19	SWSE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	SWSE		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	NESW		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4132	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/29/1903	04S	10E	9	NENWNE		10		328		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL
61	2000A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.044		29		IRRIGATION	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	SWNENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	NWSENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	36	NWNW		0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	35	NWNE	6	0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	36	NWNW		0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	35	NWNE	6	0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2055	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE		0.6		30		DOMESTIC, IRRIGATION	MORROW, JAMES C
61	2224	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE			700	30		IRRIGATION STORAGE	MORROW, JAMES C
61	10834	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	NENWNE		0.6	150	328	30	IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUEL, PETER

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	NENE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	SESE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	09E	2	NENE	1	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	10E	18	NWSW	3	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10681	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	04S	10E	29	SENENE		0.06				STOCKWATER	USA ACTING THROUGH
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	10474	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	2/7/1932	05S	10E	31	NENE		0.02				STOCKWATER	GARDNER, ANNA L; GARDNER, EARL P
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	33	NWNWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWSENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWNESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11440	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	29	NESENE		0.02	1			STOCK STORE, STOCK, etc	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	21	SWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	1	SWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	12	SENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	28	SWSWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	29	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	21	NENWNE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	29	NESESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	19	SENWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	20	SWNENW		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	09E	12	SESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	10E	18	SWNW	2	0.02				STOCKWATER	USA ACTING THROUGH
61	4041A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.02		0.6		IRRIGATION	CRANE, DEWEY A; NICKERSON, ROGER M
61	4041B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.01		0.4		IRRIGATION	TVEIDT JR, DON; TVEIDT, CHERYL
61	4083	Water Right	Active	SPRING	LITTLE CANYON CK	7/1/1941	02S	09E	26	SESE		0.02				STOCKWATER, WILDLIFE	USA ACTING THROUGH
61	2271	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	1/24/1942	04S	10E	19	NESENW			9.97			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	10116	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1943	05S	10E	30	NESESE		0.03				DOMESTIC	SCHELL, BETTY J
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	10E	32	NWNWNW		0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	09E	35	SWNENE	6	0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	SNAKE RIVER	COLUMBIA RIVER	8/16/1944	06S	10E	6	NENENW	4	0.3		57	15	IRRIGATION	STATE OF IDAHO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	11925	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/31/1949	05S	10E	30	SESE		0.04				DOMESTIC	MARTINEZ, JOANNE
61	2304	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	05S	09E	1	SENWNE			2			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2308	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	04S	10E	28	NESENE			1			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2228A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1280	676		IRRIGATION STORAGE, etc	BARBER-CAVEN RANCHES
61	2228B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1252	1546	313	IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL,
61	2107A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.4		338	320	IRRIGATION	BARBER-CAVEN RANCHES
61	2107B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.26		933	313	IRRIGATION	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	11618	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/26/1957	04S	10E	9	SWNE			0.3			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	4123C	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5	933		IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	4123D	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	4123E	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5			IRRIGATION STORAGE	CRANE, RALPH; CRANE, VERNESS
61	4123F	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	11438	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11438	Water Right	Active	UNNAMED STREAMS	SINKS	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	28	NWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE		0.02				STOCKWATER	USA ACTING THROUGH
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	36	NWNW		0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	35	NWNE	6	0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2152	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/6/1965	05S	09E	36	SENW		1.36	272	68		IRRIGATION	ANDERSON, RICHARD W
61	4079	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/1/1967	04S	10E	29	NENE		0.71	141	2479	94	IRR STORAGE, IRR, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	7011	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/9/1967	05S	10E	31	NWSENE		0.08		4		IRRIGATION	ALLEN, CINDY; ALLEN, JOEL
61	7039	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/29/1968	05S	10E	31	SWNE		0.07	9	2		IRRIGATION	THREE ISLAND LLC
61	4090	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1970	04S	10E	29	NENE		0.26		338	18	IRRIGATION	BARBER-CAVEN RANCHES
61	7575	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7575	Water Permit	Active	WASTE WATER	LITTLE CANYON CK	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7666	Water Right	Active	WASTE WATER	LITTLE CANYON CK	7/15/1991	05S	10E	30	NWNE		0.54	7.9			STOCKWATER	OWEN, DAVID E
61	7688	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	3/1/1994	05S	09E	36	SENE			0.5			WILDLIFE STORAGE	ANDERSON, DICK
61	7700	Water Right	Active	WASTE WATER	LITTLE CANYON CK	12/8/1994	05S	10E	30	NWNE		0.23	5.6			STOCKWATER	OWEN, DAVID E
61	12060	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	4/6/2004	05S	10E	30	SESE		0.02		0.5		IRRIGATION	MARTINEZ, LEROY J
61	12263	Water Right	Active	SPRING	LITTLE CANYON CK	4/4/2011	03S	10E	30	NWNWNE		0.02	10.3			STOCKWATER	HAMMETT LIVESTOCK CO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	371A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	05S	10E	19	NWNENE		0.8		80		IRRIGATION	PEARSON, JOYCE
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	09E	36	SESESE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NESWSE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NENWNE		0.4				STOCKWATER	CASA DEL NORTE LP
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	5	NWSWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	8	SENWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	297	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		2		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	15	SWSWNE		0.02				STOCKWATER	CASA DEL NORTE LP
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		0.02				STOCKWATER	CASA DEL NORTE LP
61	12033	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/1/1883	04S	10E	10	NESESW			14.6			STOCK STORAGE, etc	CASA DEL NORTE LP
61	298	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/25/1885	04S	10E	10	NWNWSW		0.5		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	294	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1886	05S	10E	31	NESENW		1.18		65		IRRIGATION	ARK PROPERTIES LLC
61	295	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/18/1888	05S	10E	31	SWNE		0.34		17		IRRIGATION	THREE ISLAND LLC
61	303B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NENWSW		0.2		85	10	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	305	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/3/1892						0.4				IRRIGATION	ROSEVEAR, JOSEPH
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	372	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/6/1892	05S	10E	19	NWNENE		1.6		80		IRRIGATION	PEARSON, JOYCE
61	304B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.8		85	40	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	306	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892						2				IRRIGATION	ROSEVEAR, JOSEPH
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	19	SWSE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	30	NENE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	308	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/7/1895	04S	10E	9	NENWNE		200	700	328		IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	11921	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	12/31/1897	05S	09E	12	SESE		1.16		316	58	DOM, IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293A	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	1/1/1898						0.575				IRRIGATION	VINER, CARLENE R; VINER, RICHARD P
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	09E	12	SESE		0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	SWNW	2	0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	19	SWSE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	SWSE		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	NESW		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4132	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/29/1903	04S	10E	9	NENWNE		10		328		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL
61	2000A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.044		29		IRRIGATION	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	SWNENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	NWSENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	36	NWNW		0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	35	NWNE	6	0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	36	NWNW		0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	35	NWNE	6	0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2055	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE		0.6		30		DOMESTIC, IRRIGATION	MORROW, JAMES C
61	2224	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE			700	30		IRRIGATION STORAGE	MORROW, JAMES C
61	10834	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	NENWNE		0.6	150	328	30	IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUEL, PETER

Watermaster Report
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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	NENE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	SESE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	09E	2	NENE	1	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	10E	18	NWSW	3	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10681	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	04S	10E	29	SENENE		0.06				STOCKWATER	USA ACTING THROUGH
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	10474	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	2/7/1932	05S	10E	31	NENE		0.02				STOCKWATER	GARDNER, ANNA L; GARDNER, EARL P
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	33	NWNWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWSENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWNESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11440	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	29	NESENE		0.02	1			STOCK STORE, STOCK, etc	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	21	SWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	1	SWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	12	SENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	28	SWSWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	29	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	21	NENWNE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	29	NESESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	19	SENWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	20	SWNENW		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	09E	12	SESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	10E	18	SWNW	2	0.02				STOCKWATER	USA ACTING THROUGH
61	4041A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.02		0.6		IRRIGATION	CRANE, DEWEY A; NICKERSON, ROGER M
61	4041B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.01		0.4		IRRIGATION	TVEIDT JR, DON; TVEIDT, CHERYL
61	4083	Water Right	Active	SPRING	LITTLE CANYON CK	7/1/1941	02S	09E	26	SESE		0.02				STOCKWATER, WILDLIFE	USA ACTING THROUGH
61	2271	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	1/24/1942	04S	10E	19	NESENW			9.97			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	10116	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1943	05S	10E	30	NESESE		0.03				DOMESTIC	SCHELL, BETTY J
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	10E	32	NWNWNW		0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	09E	35	SWNENE	6	0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	SNAKE RIVER	COLUMBIA RIVER	8/16/1944	06S	10E	6	NENENW	4	0.3		57	15	IRRIGATION	STATE OF IDAHO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	11925	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/31/1949	05S	10E	30	SESE		0.04				DOMESTIC	MARTINEZ, JOANNE
61	2304	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	05S	09E	1	SENWNE			2			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2308	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	04S	10E	28	NESENE			1			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2228A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1280	676		IRRIGATION STORAGE, etc	BARBER-CAVEN RANCHES
61	2228B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1252	1546	313	IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL,
61	2107A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.4		338	320	IRRIGATION	BARBER-CAVEN RANCHES
61	2107B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.26		933	313	IRRIGATION	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	11618	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/26/1957	04S	10E	9	SWNE			0.3			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	4123C	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5	933		IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	4123D	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	4123E	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5			IRRIGATION STORAGE	CRANE, RALPH; CRANE, VERNESS
61	4123F	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	11438	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11438	Water Right	Active	UNNAMED STREAMS	SINKS	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	28	NWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE		0.02				STOCKWATER	USA ACTING THROUGH
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	36	NWNW		0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	35	NWNE	6	0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2152	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/6/1965	05S	09E	36	SENW		1.36	272	68		IRRIGATION	ANDERSON, RICHARD W
61	4079	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/1/1967	04S	10E	29	NENE		0.71	141	2479	94	IRR STORAGE, IRR, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	7011	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/9/1967	05S	10E	31	NWSENE		0.08		4		IRRIGATION	ALLEN, CINDY; ALLEN, JOEL
61	7039	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/29/1968	05S	10E	31	SWNE		0.07	9	2		IRRIGATION	THREE ISLAND LLC
61	4090	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1970	04S	10E	29	NENE		0.26		338	18	IRRIGATION	BARBER-CAVEN RANCHES
61	7575	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7575	Water Permit	Active	WASTE WATER	LITTLE CANYON CK	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7666	Water Right	Active	WASTE WATER	LITTLE CANYON CK	7/15/1991	05S	10E	30	NWNE		0.54	7.9			STOCKWATER	OWEN, DAVID E
61	7688	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	3/1/1994	05S	09E	36	SENE			0.5			WILDLIFE STORAGE	ANDERSON, DICK
61	7700	Water Right	Active	WASTE WATER	LITTLE CANYON CK	12/8/1994	05S	10E	30	NWNE		0.23	5.6			STOCKWATER	OWEN, DAVID E
61	12060	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	4/6/2004	05S	10E	30	SESE		0.02		0.5		IRRIGATION	MARTINEZ, LEROY J
61	12263	Water Right	Active	SPRING	LITTLE CANYON CK	4/4/2011	03S	10E	30	NWNWNE		0.02	10.3			STOCKWATER	HAMMETT LIVESTOCK CO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	371A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	05S	10E	19	NWNENE		0.8		80		IRRIGATION	PEARSON, JOYCE
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	09E	36	SESESE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NESWSE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NENWNE		0.4				STOCKWATER	CASA DEL NORTE LP
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	5	NWSWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	8	SENWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	297	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		2		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	15	SWSWNE		0.02				STOCKWATER	CASA DEL NORTE LP
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		0.02				STOCKWATER	CASA DEL NORTE LP
61	12033	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/1/1883	04S	10E	10	NESESW			14.6			STOCK STORAGE, etc	CASA DEL NORTE LP
61	298	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/25/1885	04S	10E	10	NWNWSW		0.5		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	294	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1886	05S	10E	31	NESENW		1.18		65		IRRIGATION	ARK PROPERTIES LLC
61	295	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/18/1888	05S	10E	31	SWNE		0.34		17		IRRIGATION	THREE ISLAND LLC
61	303B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NENWSW		0.2		85	10	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	305	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/3/1892						0.4				IRRIGATION	ROSEVEAR, JOSEPH
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	372	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/6/1892	05S	10E	19	NWNENE		1.6		80		IRRIGATION	PEARSON, JOYCE
61	304B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.8		85	40	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R

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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	306	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892						2				IRRIGATION	ROSEVEAR, JOSEPH
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	19	SWSE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	30	NENE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	308	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/7/1895	04S	10E	9	NENWNE		200	700	328		IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	11921	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	12/31/1897	05S	09E	12	SESE		1.16		316	58	DOM, IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293A	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	1/1/1898						0.575				IRRIGATION	VINER, CARLENE R; VINER, RICHARD P
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	09E	12	SESE		0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	SWNW	2	0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	19	SWSE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	SWSE		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	NESW		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4132	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/29/1903	04S	10E	9	NENWNE		10		328		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL
61	2000A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.044		29		IRRIGATION	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	SWNENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	NWSENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	36	NWNW		0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	35	NWNE	6	0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	36	NWNW		0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	35	NWNE	6	0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2055	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE		0.6		30		DOMESTIC, IRRIGATION	MORROW, JAMES C
61	2224	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE			700	30		IRRIGATION STORAGE	MORROW, JAMES C
61	10834	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	NENWNE		0.6	150	328	30	IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUEL, PETER

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	NENE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	SESE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	09E	2	NENE	1	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	10E	18	NWSW	3	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10681	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	04S	10E	29	SENENE		0.06				STOCKWATER	USA ACTING THROUGH
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	10474	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	2/7/1932	05S	10E	31	NENE		0.02				STOCKWATER	GARDNER, ANNA L; GARDNER, EARL P
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	33	NWNWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWSENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWNESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11440	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	29	NESENE		0.02	1			STOCK STORE, STOCK, etc	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	21	SWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	1	SWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	12	SENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	28	SWSWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	29	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	21	NENWNE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	29	NESESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	19	SENWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	20	SWNENW		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	09E	12	SESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	10E	18	SWNW	2	0.02				STOCKWATER	USA ACTING THROUGH
61	4041A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.02		0.6		IRRIGATION	CRANE, DEWEY A; NICKERSON, ROGER M
61	4041B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.01		0.4		IRRIGATION	TVEIDT JR, DON; TVEIDT, CHERYL
61	4083	Water Right	Active	SPRING	LITTLE CANYON CK	7/1/1941	02S	09E	26	SESE		0.02				STOCKWATER, WILDLIFE	USA ACTING THROUGH
61	2271	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	1/24/1942	04S	10E	19	NESENW			9.97			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	10116	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1943	05S	10E	30	NESESE		0.03				DOMESTIC	SCHELL, BETTY J
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	10E	32	NWNWNW		0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	09E	35	SWNENE	6	0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	SNAKE RIVER	COLUMBIA RIVER	8/16/1944	06S	10E	6	NENENW	4	0.3		57	15	IRRIGATION	STATE OF IDAHO

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	11925	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/31/1949	05S	10E	30	SESE		0.04				DOMESTIC	MARTINEZ, JOANNE
61	2304	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	05S	09E	1	SENWNE			2			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2308	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	04S	10E	28	NESENE			1			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2228A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1280	676		IRRIGATION STORAGE, etc	BARBER-CAVEN RANCHES
61	2228B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1252	1546	313	IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL,
61	2107A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.4		338	320	IRRIGATION	BARBER-CAVEN RANCHES
61	2107B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.26		933	313	IRRIGATION	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	11618	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/26/1957	04S	10E	9	SWNE			0.3			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	4123C	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5	933		IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	4123D	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	4123E	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5			IRRIGATION STORAGE	CRANE, RALPH; CRANE, VERNESS
61	4123F	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	11438	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11438	Water Right	Active	UNNAMED STREAMS	SINKS	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	28	NWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE		0.02				STOCKWATER	USA ACTING THROUGH
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	36	NWNW		0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	35	NWNE	6	0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2152	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/6/1965	05S	09E	36	SENW		1.36	272	68		IRRIGATION	ANDERSON, RICHARD W
61	4079	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/1/1967	04S	10E	29	NENE		0.71	141	2479	94	IRR STORAGE, IRR, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	7011	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/9/1967	05S	10E	31	NWSENE		0.08		4		IRRIGATION	ALLEN, CINDY; ALLEN, JOEL
61	7039	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/29/1968	05S	10E	31	SWNE		0.07	9	2		IRRIGATION	THREE ISLAND LLC
61	4090	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1970	04S	10E	29	NENE		0.26		338	18	IRRIGATION	BARBER-CAVEN RANCHES
61	7575	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7575	Water Permit	Active	WASTE WATER	LITTLE CANYON CK	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7666	Water Right	Active	WASTE WATER	LITTLE CANYON CK	7/15/1991	05S	10E	30	NWNE		0.54	7.9			STOCKWATER	OWEN, DAVID E
61	7688	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	3/1/1994	05S	09E	36	SENE			0.5			WILDLIFE STORAGE	ANDERSON, DICK
61	7700	Water Right	Active	WASTE WATER	LITTLE CANYON CK	12/8/1994	05S	10E	30	NWNE		0.23	5.6			STOCKWATER	OWEN, DAVID E
61	12060	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	4/6/2004	05S	10E	30	SESE		0.02		0.5		IRRIGATION	MARTINEZ, LEROY J
61	12263	Water Right	Active	SPRING	LITTLE CANYON CK	4/4/2011	03S	10E	30	NWNWNE		0.02	10.3			STOCKWATER	HAMMETT LIVESTOCK CO

03S10E

04S09E

04S10E

Rustican Spring

Mud Springs

Canyon

Creek

Blair Trail Reservoir

Creek

Creek

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Kelly Greene McConnell
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Melodie A. McQuade*
Christopher H. Meyer
L. Edward Miller
Patrick J. Miller
Judson B. Montgomery
Deborah E. Nelson
W. Hugh O'Riordan, LLM.
Angela M. Reed
Matt G. Smith
P. Mark Thompson
Jeffrey A. Warr
Robert B. White

Of Counsel
Kimberly D. Maloney

*Licensed in Virginia

Retired:
Kenneth L. Pursley
James A. McClure (1924-2011)
Raymond D. Givens (1917-2008)

January 13, 2014

Via Hand Delivery

Water District No. 61-D
c/o Teresa McCallum, Secretary
11204 N Bar 21 Drive
Glenns Ferry, ID 83623

Re: *Proposed Resolutions for 2014*

Dear District:

On behalf of Paul Batruel, please find the enclosed resolutions Mr. Batruel proposes for adoption at Water District 61-D's January 13, 2014 Annual Meeting.

Sincerely,

Michael P. Lawrence

Enclosure
cc: John Westra, IDWR (w/enc.)
1978430_1

Little Canyon Creek Water District #61-D
Resolutions
January 13, 2014
City Hall, Glenns Ferry, Idaho

The water users of Water District No. 61-D (the "District"), as part of the annual district meeting held on January 13, 2014, at the Glenns Ferry City Hall in Glenns Ferry, Idaho, in accordance with the laws and rules of the State of Idaho, HEREBY ADOPT THE FOLLOWING RESOLUTIONS:

1. The Watermaster's term of service shall commence on April 1 and shall end on October 31, during which time the Watermaster solely shall have control over all diversions of water within the District. Prior to April 1 and after October 31, water users shall have control of their respective authorized diversions of water.

2. An Advisory Committee ("Committee") is hereby selected to provide input to the Watermaster and the Director of IDWR. The Committee will meet as often as needed to address the structure, governance and operation of the District. Three water users in the District shall comprise the Committee. The Committee members for the ensuing year shall be the following (selected at the annual meeting):

Member #1: Paul Batruel

Member #2: _____

Member #3: _____

3. The Watermaster shall distribute water to rights in accordance with Idaho Code Title 42, IDWR's Watermaster Handbook updated May 2013 (as may be amended), the District's duly approved resolutions, and according to currently effective decrees, partial decrees, permits, licenses, and transfers approved or issued by IDWR or a court of law as the case my be. To prevent the diversion of water by junior water right holders when senior rights are not filled, and to ensure that water called for by senior right holders is put to beneficial use and not wasted, the following procedures shall be followed:

a. When there is not sufficient water in Little Canyon Creek to deliver water to all water rights, the Watermaster shall first deliver water to users holding senior priority water rights who call for water following the procedures set forth below, and who affirm in writing their intention to divert such water into storage or put it to beneficial use within 48 hours of delivery and to thereafter continue to put such water to beneficial use without unreasonable waste. Otherwise, junior water rights may divert water.

b. A senior water user must place a call in writing with the Watermaster for delivery of water no less than 48 hours prior to the time the user desires delivery to their authorized point of diversion. If a senior water user who calls for water fails to divert such water into storage or put it to beneficial use within 48 hours of delivery, or to thereafter put such water to beneficial

use without unreasonable waste, the Watermaster shall: (i) cease delivering water to such user; (ii) re-commence delivering water to other users entitled to such water in priority; and (iii) specially assess the user who made the unnecessary call $150 to compensate the Watermaster. The Watermaster shall not deliver water to a user who made an unnecessary call unless and until such user fully pays all special assessments.

NOW THEREFORE BE IT RESOLVED, upon vote of the District's water users in accordance with Idaho Code, that the District's rules and procedures are hereby amended as set forth above.

_____

_____, President

ATTEST: _____

_____, Secretary

RECEIVED
JAN 2 1 2014
WATER RESOURCES
WESTERN REGION

GIVENS PURSLEY LLP

LAW OFFICES
601 W. Bannock Street
PO Box 2720, Boise, Idaho 83701
TELEPHONE: 208 388-1200
FACSIMILE: 208 388-1300
WEBSITE: www.givenspursley.com

MICHAEL P LAWRENCE
DIRECT DIAL (208) 388-1294
EMAIL MPL@givenspursley.com

Gary G. Allen
Peter G. Barton
Christopher J. Beeson
Clint R. Bolinder
Erik J. Bolinder
Preston N. Carter
Jeremy C. Chou
William C. Cole
Michael C. Creamer
Amber N. Dina
Elizabeth M. Donick
Thomas E. Dvorak
Jeffrey C. Fereday
Martin C. Hendrickson
Don E. Knickrehm
Neal A. Koskella
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James A. McClure (1924-2011)
Raymond D. Givens (1917-2008)

January 13, 2014

Via Hand Delivery

Water District No. 61-D
c/o Teresa McCallum, Secretary
11204 N Bar 21 Drive
Glenns Ferry, ID 83623

Re: *Proposed Resolutions for 2014*

Dear District:

On behalf of Paul Batruel, please find the enclosed resolutions Mr. Batruel proposes for adoption at Water District 61-D's January 13, 2014 Annual Meeting.

Sincerely,

Michael P. Lawrence

Enclosure
cc: John Westra, IDWR (w/enc.)
1978430_1

Little Canyon Creek Water District #61-D
Resolutions
January 13, 2014
City Hall, Glenns Ferry, Idaho

The water users of Water District No. 61-D (the "District"), as part of the annual district meeting held on January 13, 2014, at the Glenns Ferry City Hall in Glenns Ferry, Idaho, in accordance with the laws and rules of the State of Idaho, HEREBY ADOPT THE FOLLOWING RESOLUTIONS:

1. The Watermaster's term of service shall commence on April 1 and shall end on October 31, during which time the Watermaster solely shall have control over all diversions of water within the District. Prior to April 1 and after October 31, water users shall have control of their respective authorized diversions of water.

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Member #1: Paul Batruel

Member #2: _____

Member #3: _____

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NOW THEREFORE BE IT RESOLVED, upon vote of the District's water users in accordance with Idaho Code, that the District's rules and procedures are hereby amended as set forth above.

_____

_____, President

ATTEST: _____

_____, Secretary

RECEIVED
JAN 2 1 2014
WATER RESOURCES
WESTERN REGION

RESOLUTIONS OF

WATER DISTRICT

61 D LITTLE CANYON CREEK

ARTICLE I

Name, Location, Business

SECTION 1: **Name:** The name of this organization shall be Little Canyon Creek Water District. "it shall be referred to hereinafter as "the organization".
SECTION 2: **Location:** 11204 N. Bar 21 Dr. Glenns Ferry, Idaho 83623 or with the current organization secretary.
SECTION 3: **Business:** This organization shall engage in the business of controlling and running the operations of Little Canyon Creek Water Districts 61D as prescribed by these By Laws.

ARTICLE II

Purpose

SECTION 1: **Purpose:** The purpose for which this group is organized is civic in nature to control the operation of irrigation along Little Canyon Creek. The organization shall be and is empowered to cooperate and work in compliance with the State of Idaho governmental agencies to achieve its purpose. This organization shall act as the primary controlling agency for Little Canyon Water District and shall promote just and equitable rules and controls in business, through the collection and dissemination of information, and through services that may be rendered in connection with subjects of general importance, through research and if needed direct action.
SECTION 2: **Limitations:** The organization in its activities shall be limited to insuring irrigators along Little Canyon Creek are in compliance with their water rights and controls are in place to enforce compliance as directed by Water District and the State of Idaho.

ARTICLE III

Membership

SECTION 1: **Eligibility:** Any person, firm, partnership, corporation/association, estate, or trust may apply for membership if they have water rights for taking water from Little Canyon Creek and agrees to conform to and abide by the By Laws of Water District 61D Little Canyon Creek and any amendments there to.
SECTION 2: **Classification of Members:** All active members in good standing shall be entitled to vote, to hold office, to serve on standing and special committees, to attend all

regular and special membership meetings, to have the privileges of the floor at such meetings and to participate in all referenda conducted by the organization. A member in good standing is one that is in compliance with all requirements of this organization and is current in any and all assessments made by this organization.
SECTION 3: **Membership dues:** The minimum annual membership dues for active members of this organization shall be reviewed annually by the board of officers and any proposed assessment shall be voted on by organization membership.
SECTION 4: **Voting:** Each individual member in good standing shall be entitled to one vote. Votes shall be by individual persons only, one vote person, and not by proxy unless done so in writing. Every firm shall designate a voting representative for each vote authorized.
SECTION: **Termination of membership:** Upon termination of any membership by death, resignation, sale or transfer of water rights in Little Canyon Creek or expulsion, the interests of such member in and to the property of this organization and his/her rights and privileges shall be forfeited. In the event of termination of membership, assessments shall not be refundable.

ARTICLE IV

Membership Meetings

SECTION 1: **Annual Meetings:** The annual membership meeting of this organization shall be held on the second Monday of January of each year at such time and place as may be designated by the President. At such annual meeting, the newly elected officers shall be installed.
SECTION 2: **Special Meetings:** The President may call such special meeting of the membership as he/she may deem necessary, and shall call a membership meeting upon the request of ten percent of the members in good standing.
SECTION 3: **Quorum:** Ten percent of the active members in good standing of the organization shall constitute a quorum for the transaction of any business at a membership meeting.

ARTICLE V

Officers

SETION 1: **President's Office:** The President shall preside at all meetings of this organization and perform all duties incident to that office. He/She shall, as he/she may deem proper, commend to the membership such matters and make suggestions as may tend to promote the prosperity and increase the usefulness of the organization.
SECTION 2: **Secretary/Treasurer's Office:** It shall be the duties of the secretary to conduct the official correspondence, communication, and maintain an accurate record of the proceedings of this organization. The treasurer shall receive and disburse the funds of this organization. He/She shall keep all monies of this organization deposited in the name of this organization. All disbursements shall be made by check duly signed by the Treasurer and counter signed by the President if over $500.00

SECTION 3: **Vacancies:** Vacancies occurring in the offices herein provided for shall be filled by interim appointment by a Resolution of the membership. The interim appointment shall be until the vacancies' term has expired.
SECTION 4: **Hold Harmless:** The Officers of this organization shall not be held personally liable for any of the actions of the membership of this organization unless criminal intent is shown.
SECTION 5: **Term of officers:** The term of elected officers shall be one calendar year.

ARTICLE VI

Representatives

SECTION 1: Any person or persons appointed to act as the official representative or representatives of this organization at conventions, hearings, or public meetings of any kind, shall so act only after receiving specific instructions from the President. Upon completion of such an assignment the representative(s) shall make a full report to the President.
SECTION 2: Watermaster as Representative of the Organization has the ability to set time limits for response to call outs not to exceed 48 hours.
SECTION 3: The Watermaster is to immediately notify the District Secretary when 10 call outs are performed. Then again when the budgeted callouts are reached, in any one year.
SECTION 4: The Watermaster shall attend the annual water meeting and any special meetings called by the President. The Secretary/Treasurer shall compensate the Watermaster at the current callout rate for any mandatory meetings.

ARTICLE VII

Budgeting

SECTION 1: **Fiscal Year:** The fiscal year of this organization shall be January 1 through December 31.
SECTION 2: **Budget:** The President shall constitute the Budget Committee and adopt a budget in December each year for the following year. At the annual meeting the President shall present the budget to the membership for approval and or adjustments. The President shall adjust and/or revise the annual budget to conform with any limitations or expenses created by changing conditions throughout the year. The Dues/Assessments shall be based on the estimated budget for the upcoming year. The Dues/Assessments shall be reduced by any remaining funds over $1000.00 from previous years budget.
SECTION 3: **Dues/Assessments:** Each member shall be bill by the percentage of the water right held on Little Canyon Creek, with a minimum billing of 10.00 dollars. The amounts payable by each member as shown by the approved budget shall become due and payable on March 15th and that said amount, if not paid shall bear a penalty of 10% and shall bear interest from that date until paid, at a rate of 8 percent per annum. No member shall have the right to demand and receive water, and the Watermaster shall not

deliver to such person until the amount due and payable for such member as fixed by the budget has been paid.

ARTICLE VIII

Amendments

These Bylaws may be altered, amended, or repealed by one of the following:

A. By the affirmative vote of two-thirds of the members of this organization at any regular or special meeting, provided the proposed action be presented in writing at the meeting to the membership preceding such vote, or notice in writing be sent to each member of this organization at least fifteen (15) days prior to such vote;
B. By a two-thirds affirmative vote of the members entitled to vote there at, at the Annual meeting of the members, or any other meeting of the members called for that purpose by the President.

ARTICLE IX

Dissolution

On dissolution of this organization any funds remaining shall be distributed to the current members by the percentage of water rights held on Little Canyon Creek.

DATE ADOPTED: 1-13-14

Allen Crane, President

Teresa McCallum, Secretary/Treasurer

RECEIVED
FEB 25 2014
WATER RESOURCES
WESTERN REGION

GIVENS PURSLEY LLP

LAW OFFICES
601 W. Bannock Street
PO Box 2720, Boise, Idaho 83701
TELEPHONE: 208 388-1200
FACSIMILE: 208 388-1300
WEBSITE: www.givenspursley.com

MICHAEL P. LAWRENCE
DIRECT DIAL: (208) 388-1294
EMAIL: MPL@givenspursley.com

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January 13, 2014

Via Hand Delivery

Water District No. 61-D
c/o Teresa McCallum, Secretary
11204 N Bar 21 Drive
Glenns Ferry, ID 83623

Re: *Proposed Resolutions for 2014*

Dear District:

On behalf of Paul Batruel, please find the enclosed resolutions Mr. Batruel proposes for adoption at Water District 61-D's January 13, 2014 Annual Meeting.

Sincerely,

Michael P. Lawrence

Enclosure
cc: John Westra, IDWR (w/enc.)
1978430_1

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WATER RESOURCES
WESTERN REGION

Little Canyon Creek Water District #61-D
Resolutions
January 13, 2014
City Hall, Glenns Ferry, Idaho

The water users of Water District No. 61-D (the "District"), as part of the annual district meeting held on January 13, 2014, at the Glenns Ferry City Hall in Glenns Ferry, Idaho, in accordance with the laws and rules of the State of Idaho, HEREBY ADOPT THE FOLLOWING RESOLUTIONS:

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Member #2: _____

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WATER RESOURCES
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_____

_____, President

ATTEST: _____

_____, Secretary

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FEB 25 2014
WATER RESOURCES
WESTERN REGION

Little Canyon Creek Water District 61-D
11204 N. Bar 21 Dr.
Glenns Ferry, Idaho 83623
(208) 366-7931

February 24, 2014

Mr. John Westra, Manager
Idaho Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

RE: February 17th, extra meeting By-Law Changes

Dear Mr. Westra

During our meeting on proposed changes to the By-Laws of Little Canyon Creek, there was a great deal of discussion. The consensus of most of the group was that Proposal 3a (see attached copy) is already covered under Idaho water law. Therefore, the proposed was unnecessary. Would you please issue us clarification or confirmation in writing. At this point the proposal is Tabled till the next annual meeting, at which point I am to report back to the members.

Also we would request training for our new watermaster Rich Wootan and assistant/ alternate Mark Brumlett. Please coordinate with Rich Wootan, at 599-0394.

I am enclosing a copy of the minutes of our last meeting for you information.

Should you have any question, please contact me at number above.

Sincerely,

Teresa McCallum, Secretary

Enclosures: Proposed changes & Minutes

CC: All users, sent out with minutes

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WATER RESOURCES
WESTERN REGION

Little Canyon Creek Water District #61-D
Minutes of the Meeting
Outside Glenns Ferry City Hall
February 17 , 2014

Call to Order: Meeting was called to order at 1:02 pm, February 17, 2014, by Alan Crane, President.

Water Users in Attendance: Robert Hall, Mary Hall, Jim Chambers, Rocky Trail, Rich Wootan, Mark Brumlett, Paul Batruel, Alan Crane, Wes Wootan, Jerry Gorrell, Ann Murray, Teresa McCallum, Allison McCallum.

Reading of Minutes, Treasurer's Report, Water Report: Readings to be suspended to the 2nd Monday of January 2015; (January 12th, 2015-2:00 pm, Glenns Ferry City Hall).

Old Business: Paul introduced Mark Brumlett, as a potential alternate watermaster that may be able to assist as well as cover in case the current watermaster Rich Wootan is not available. After much discussion a Motion was made to approve an alternate/backup watermaster with the conditions that Rich Wootan would be primary, and only on the request of Rich Wootan would the alternate take charge of the position until that time when Rich Wootan becomes available to reclaim his duties. Motion was made by Paul Batruel and seconded by Rocky Trail. A motion was made by Rocky Trail that when unavailable Rich Wootan would inform all water users via mass text when he is unavailable and to contact Mark Brumlett (the alternate) in his absence, motion was seconded by Robert Hall. Teresa made a amendment to pay to train the alternate, motion seconded by Rocky Trail. Vote to pass, passed unanimously.

New Business: Proposed resolutions brought forth by Paul Batruel, proposal 1 discussion about watermasters term of service, (*See proposal 1 of attached document of proposed changes*) Motion was made to amend the by-laws to include the proposal 1, motion did not pass, one (1) yea, seven (7) nay. Followed by Proposal 2, (*See proposal 2 of attached document of proposed changes*) item was withdraw having been previously handled at the annual meeting held on January 13, 2014. Proceeded to proposal 3 which was dealt with in portions a & b separately. Portion a. of proposal 3 (See a. of proposal 3 of attached document of proposed changes) after much discussion it was widely believed that this was already covered in existing law. This portion was Tabled with the direct instruction that the secretary (Teresa McCallum) would request and receive clarification in writing from Water Resources and would report back at the next annual meeting. If it is not covered under current law then the proposed changes will be brought forth at the annual meeting. Motion to Table was made by Teresa McCallum, seconded by Rocky Trail. Placed up for vote, passed unanimously. Portion b. of proposal 3 (See b. of proposal 3 of the attached document of proposed changes), after lengthy discussion a motion was made by Alan Crane to amend the by-laws to include the proposal 3 b., voted on by all present one (1) yea, seven (7) nay, changes were denied.

Other Business: See attached "Outline for February 17, 2014 WD 61D Meeting" Brought forth by Paul Batruel. Paul inquired to how the assessments were determined and

Little Canyon Creek Water District #61-D
Minutes of the Meeting
Outside Glenns Ferry City Hall
February 17 , 2014

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allocated to each user, Secretary Teresa McCallum responded with documentation provided her via Water Resources. Said document will be provided to users upon request. Paul Batruel brought forth information that there were indications that the stream-bed located in conjunction with his diversion had presumably been tampered with.

Motion to Re-approve the by Laws: Motion made by Alan Crane, seconded by Robert Hall. Passed Unanimously.

Adjournment: Meeting adjourned to the 2nd Monday of January 2015; (January 12th, 2015 at 2:00 pm, Glenns Ferry City Hall).

Teresa McCallum, Secretary

If you feel that there is anything that I have left out or misstated please call or send me a note so that I can have the corrections at the next meeting on Monday January 12th, 2015, at 2:00 pm at Glenns Ferry City Hall.

Water District Board maybe reached at the following:

<u>President</u>
Allen Crane
803 S. Boise
Glenns Ferry, ID 83632
(208) 941-6687
ikmm,

<u>Alternate Watermaster</u>
Mark Brumlett

<u>Sec/Treas.</u>
Teresa McCallum
11204 N. Bar 21 Dr.
Glenns Ferry, ID 83623
(208) 366-7931

<u>Watermaster</u>
Rich Wootan
2286 S. Pruett Rd.
King Hill, ID 83633
(208) 366-2696 Home
(208) 599-0394 Cell

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 7, 2014

Mark Brumlett
% Paul Batruel
Batruel Dairy
3335 N Morrow RD
Glenns Ferry, ID 83623

Teresa McCallum, Secretary
Little Canyon Creek Water District
11204 N Bar 21 DR
Glenns Ferry ID 83623

RE: Oath-Contact information Reminder--Alternate/Assistant Watermaster

Dear Mr. Brumlett:

This letter will serve as a reminder. Our office has not received your watermaster oath and contact information as requested by our 03/05/14 letter.

Please be advised, that you are **not** authorized to perform assistant/alternate watermaster duties until you have received a Certificate of Appointment from the Director.

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra, Manager

Cc: Rich Wootan, Watermaster

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

July 22, 2014

Rich Wootan, Watermaster
Little Canyon Creek Water District
2286 S Pruett RD
King Hill ID 83633

RE: Batruel Measurement and Controllable Device Plans

Dear Mr. Wootan:

The purpose of the letter is to provide forward you information regarding the Batruel Dairy measurement device and delivery improvement plans.

On February 20th, Mr. Batruel met with Rob Whitney and me at the Department regional office. Mr. Batruel discussed measurement and by-pass options at his upper reservoir diversion location, see attached diversion sketch/options. In early July, Mr. Batruel again contacted me and provided an update of his activities which are the following:

Priority—working with the local Natural Resource Conservation Service office to develop a flow measurement design/calibration at the downstream end of diversion headgate pipe. This may involve some modifications of the pipe outlet end.

-Continue to evaluate a by-pass design for easy delivery of stockwater/senior water rights downstream. Any diversion modification or excavations would require BLM authorization.

Should you have questions, please contact me at the Western Regional Office, 208-334-2190.

Sincerely,

John Westra

John Westra, Manager

Cc: P Batruel, M Lawrence

SCANNED
MAY 0 8 2015

L.L.C.

500

V10

L.L.C.

GLENNS FERRY

50

100

CAT WALK

4' x 60'

MORROWS

11.2 MILES

150"

100"

50"

Batruel Upper Diversion

MEMORANDUM

Type: In Office Conversation
(Telephone)
Meeting Notes

(Follow-up)
Log of Events
Other _____

To: Little Canyon Creek WD # 610
From: J. Westra, Western Reg.
Date: 7/3/14

RE: Measurement Order - Reminder Letter.

7/3/14 Bob Hall - discussed water users that pump from the river at lower end of Creek. - Hall, Anderson, State Park. May want to consider a measurement device together at near mouth of creek + River. Provide the Department a plan. Bob will meet with other users for discussion Will keep Dept. informed

7/

SCANNED

MAY 08 2015

ay
705-5082

ce Requested

61-D Address Updates

PRESORTED FIRST CLASS

UNITED STATES POSTAGE PITNEY BOWES

02 1M $ 00.38[1]
0008003708 JUN 27 2014
MAILED FROM ZIP CODE 83702

DONALD J TVEIDT JR
C/O DONALD J TVEIDT SR
PO BOX 1245
GLENNS FERRY ID 83623-1245

RECEIVED
JUN 30 2014
WATER RESOURCES
WESTERN REGION

Also
Leo Herbert
Idaho Foods to be
removed from 61-D
useless mailings.

X 841 NFE 1300313I0006/27/14
FORWARD TIME EXP RTN TO SEND
TVEIDT SR
1205 E 6TH S
MOUNTAIN HOME ID 83647-3227

RETURN TO SENDER

PRESORTED FIRST CLASS

UNITED STATES POSTAGE PITNEY BOWES

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MAILED FROM ZIP CODE 83702

DICK ANDERSON
PO BOX 807
GLENNS FERRY ID 83623-0087

RECEIVED
JUN 30 2014
WATER RESOURCES
WESTERN REGION

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RETURN TO SENDER
ANDERSON
9689 W GURDON DR
BOISE ID 83704-4004

RETURN TO SENDER

705-5082

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UNITED STATES POSTAGE PITNEY BOWES

02 1M $ 00.38[1]
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AURTHUR CHURCH
537 W AURTHUR AVE
GLENNS FERRY ID 83623-2397

RECEIVED
JUN 30 2014
WATER RESOURCES
WESTERN REGION

SCANNED
MAY 08 2015

X 841 NFE 1300413I0006/27/14
FORWARD TIME EXP RTN TO SEND
CHURCH
202 MARYDEL LN
BONNERS FERRY ID 83805-6033

RETURN TO SENDER

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

June 25, 2014

To: Little Canyon Creek Water District 61D Water Users

RE: Submittal of Measurement-Controllable Device Plans Reminder

As you recall, the Department sent out an order last January requiring the installation of measurement and controllable devices for creek diversions. The order specified that device installation/repair plans and specifications need to be submitted to the Watermaster by **August 1, 2014.** This letter will serve as a formal reminder notice. Your device proposals need not be a formalized/scaled plans; sketches with dimensions and written explanation are certainly acceptable.

Bear in mind, that measurement devices must meet the Department minimum measurement standards, see applicable information enclosed with the previous order. If you need technical assistance, the NRCS office in Mountain Home and area irrigation supply stores staff can provide needed support.

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra, Manager

Watermaster Address: Rich Wootan, Watermaster
Little Canyon Creek Water District
2286 S Pruett RD
King Hill, ID 83633

SCANNED
JUN 26 2014

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on this 25th day of June, 2014, true and correct copies of the documents described below were served by placing a copy of the same with the United States Postal Service, postage prepaid and properly addressed to the following:

Documents Served: Controllable-lockable Diversion Works and Measurement Device Order

TRAIL FAMILY FARMS
5308 E TRAIL RD
KING HILL ID 83633-3431

BETTY SCHELL/DENA MERCHANT
PO BOX 1203
GLENNS FERRY ID 83623-1203

BOB HALL
2975 W LATTY DR
GLENNS FERRY ID 83623-5010

IRON HORSE RANCH LLC
11204 N BAR 21 DR
GLENNS FERRY ID 83623-5028

HALF MOON LLC
911 E WINDING CREEK RD
EAGLE ID 83616-7054

DICK ANDERSON
PO BOX 807
GLENNS FERRY ID 83623-0087

DONALD HOLLOWAY
PO BOX 251
GLENNS FERRY ID 83623-0251

DONALD J TVEIDT JR
C/O DONALD J TVEIDT SR
PO BOX 1245
GLENNS FERRY ID 83623-1245

AURTHUR CHURCH
537 W AURTHUR AVE
GLENNS FERRY ID 83623-2397

HAMMETT LIVESTOCK
PO BOX 33
HAMMETT ID 83627-0033

JOANE MARTINEZ
PO BOX 184
GLENNS FERRY ID 83623-0184

JOEL ALLEN
PO BOX 564
GLENNS FERRY ID 83623-0564

JOYCE PEARSON
C/O NATHEN JONES
2240 E MAPLE DR
KING HILL ID 83633-3450

LAVA RIM RANCH
2604 N MORROW RESERVOIR RD
GLENNS FERRY ID 83623-5016

PAUL BATRUEL
3335 N MORROW RESERVOIR RD
GLENNS FERRY ID 83623-5018

IDAHO FOODS
357 CONSTITUTION WAY
IDAHO FALLS ID 83402-3538

RUBY JOHN
C/O DAN HALL
PO BOX 644
GLENNS FERRY ID 83623-0644

THREE ISLAND STATE PARK
PO BOX 609
GLENNS FERRY ID 83623-0609

SCANNED
JUN 26 2014

ALAN CRANE & MIKE NICKERSON
803 S BOISE ST
GLENNS FERRY ID 83623-2651

THREE ISLAND LLC
DBA CARMELLA
PO BOX 790
GLENNS FERRY ID 83623-0790

RICH WOOTAN
2286 S PRUETT RD
KING HILL ID 83633-3429

ARK PROPERTIES LLC
11204 N BAR 21 DR
GLENNS FERRY ID 83623-5028

NATURAL RESOURCE
CONSERVATION SERVICE
795 S HASKETT ST
MOUNTAIN HOME ID 83647-3378

F. PRICE WATER RIGHT SPECIALIST
BLM/IDAHO STATE OFFICE
1387 S VINNELL WAY
BOISE ID 83709-1657

CARLENE R SMITH
13805 QUINTESSA ST
CALDWELL ID 83607-5153

EARL & ANNA GARDNER
PO BOX 208
GLENNS FERRY ID 83623-0208

LEROY J MARTINEZ
206 N ALTON AVE
PO BOX 862
GLENNS FERRY ID 83623-0862

JENNIFER STRANGE
Office Specialist II

SCANNED
JUN 26 2014

Westra, John

From: Rich Wootan [rwcattle@icloud.com]
Sent: Tuesday, June 24, 2014 3:17 PM
To: Westra, John
Subject: Re: IDWR-- Little Canyon Measurment Order

John
That would be fine to send my address out. Things are pretty quit right know with no water.
Thanks

Sent from my iPhone

On Jun 24, 2014, at 10:44 AM, "Westra, John" <John.Westra@idwr.idaho.gov> wrote:

> Rich:
> I am preparing to send out this reminder letter regarding the measurement order
> that I sent out in late January for Little Canyon Creek.
> Would it be ok to include your mailing address in the letter in case waterusers want to submit their plans by mail?
> I know several waterusers that live away from the Glenns Ferry area.
>
> Hope things are going well!
>
> John Westra.
> Dept of Water Resources
>
> <DOC095.pdf>

SCANNED
MAY 08 2015

MEMORANDUM

TO: Water District 61D – Little Canyon Creek File

FROM: Angie Grimm

DATE: April 10, 2014

RE: WM Rich Wootan Conversation April 9,2014

On April 9, 2014 I spoke with watermaster Rich Wootan:

- Rich asked if there was a simple calculation/measurement method to tell how much water is being let down Little Canyon Creek past Trail's diversion by measuring the size of the opening underneath the headgate.
- Told Rich IDWR's made tables of flow measured vs. opening of headgate for other water districts in the past, but takes several measurements to develop. In this case, considering Trail's are required by order to repair their measurement device downstream of the headgate, there may not be much value in doing the measurements required.
- Told Rich can also estimate flow using the Float (Orange-Peel) Method if necessary.
- Offered to ask permission to go and take a one-time measurement if Rich thought it'd be beneficial.
- Rich concerned he's not letting enough water past Trail's diversion for downstream users who've made calls.
- Indicated Ark Properties, Joyce Pearson, and Richard Anderson (through farmer of Anderson property?) made calls along with Trail.
- Told Rich Ark Properties and Joyce Pearson are senior to Trail, but not Anderson. Indicated he should deliver to Ark Properties and Joyce Pearson ahead of Trail.
- Suggested Rich continue to communicate with downstream users asking whether they have enough water to satisfy their rights. Meanwhile continuing to adjust Trail's headgate until downstream users are satisfied. This is the best method to deliver water considering the watermaster does not have the tools (measuring devices specifically) to deliver in any other manner.
- Rich indicated he will continue to talk with the parties involved and deliver quantities according to priorities as best he can.

SCANNED
MAY 08 2015

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 7, 2014

Mark Brumlett
% Paul Batruel
Batruel Dairy
3335 N Morrow RD
Glenns Ferry, ID 83623

Teresa McCallum, Secretary
Little Canyon Creek Water District
11204 N Bar 21 DR
Glenns Ferry ID 83623

RE: Oath-Contact information Reminder--Alternate/Assistant Watermaster

Dear Mr. Brumlett:

This letter will serve as a reminder. Our office has not received your watermaster oath and contact information as requested by our 03/05/14 letter.

Please be advised, that you are **not** authorized to perform assistant/alternate watermaster duties until you have received a Certificate of Appointment from the Director.

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra, Manager

Cc: Rich Wootan, Watermaster

SCANNED
MAY 0 8 2015

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 5. 2014

Mark Brumlett
% Paul Batruel
Batruel Dairy
3335 N Morrow RD
Glenns Ferry, ID 83623

Teresa McCallum, Secretary
Little Canyon Creek Water District
11204 N Bar 21 DR
Glenns Ferry ID 83623

RE: Election of Alternate/Assistant Watermaster

Dear Mr. Brumlett:

The 02/1/7/14 Little Canyon Creek Water District meeting minutes state that you have been elected Alternate/Assistant Watermaster. By the Idaho Water Statutes a water district may elect an alternate/assistant watermaster to assist the watermaster in their duties. The alternate/assistant is required also to take an oath of office, and acts only under the direct supervision of the watermaster.

Attached is an oath form and information form. Please sign the oath in the presence of a Notary Public, provide your contact and telephone information, and return to the Department.
An appointment by the Director will follow

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra, Manager

Enclosure: oath and information Form

SCANNED
MAY 0 8 2015

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 5, 2014

Teresa McCallum, Secretary
Little Canyon Creek Water District 61D
11204 N Bar 21 DR
Glenns Ferry ID 83623

Dear Mrs. McCallum:

This letter is in response to your letter of 02/24/2014 regarding the resolutions being considered by the district waterusers. Specifically, the district asked for a clarification regarding resolution #3A.

The delivery of Idaho water rights hinge on the "The prior appropriation doctrine." The majority of western states also follow this doctrine. The doctrine basically means—*"First in Time is First in Right."* Idaho Code 42-607 details the watermaster's responsibilities/actions under the doctrine, see attached.

The doctrine and statute in principal already addresses #3A. However, the specific methods of calling for water (intent in writing) and time to place the water to beneficial use (48 hours) stated in #3A is not addressed by the doctrine/statute. It certainly up to the waterusers if they desire to reaffirm the doctrine/statutes and/or place a method and time structure for water deliveries.

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra, Manager

Enclosure: IC 42-607

SCANNED
MAY 0 8 2015

Idaho Statutes

TITLE 42
IRRIGATION AND DRAINAGE -- WATER RIGHTS AND RECLAMATION

CHAPTER 6
DISTRIBUTION OF WATER AMONG APPROPRIATORS

42-607. DISTRIBUTION OF WATER. It shall be the duty of said watermaster to distribute the waters of the public stream, streams or water supply, comprising a water district, among the several ditches taking water therefrom according to the prior rights of each respectively, in whole or in part, and to shut and fasten, or cause to be shut or fastened, under the direction of the department of water resources, the headgates of the ditches or other facilities for diversion of water from such stream, streams or water supply, when in times of scarcity of water it is necessary so to do in order to supply the prior rights of others in such stream or water supply; provided, that any person or corporation claiming the right to the use of the waters of the stream or water supply comprising a water district, but not owning or having the use of an adjudicated or decreed right therein, or right therein evidenced by permit or license issued by the department of water resources, shall, for the purposes of distribution during the scarcity of water, be held to have a right subsequent to any adjudicated, decreed, permit, or licensed right in such stream or water supply, and the watermaster shall close all headgates of ditches or other diversions having no adjudicated, decreed, permit or licensed right if necessary to supply adjudicated, decreed, permit or licensed right in such stream or water supply. So long as a duly elected watermaster is charged with the administration of the waters within a water district, no water user within such district can adversely possess the right of any other water user.

History:

[(42-607) 1903, sec. 26; p. 223; reen. R.C., sec. 3277; am. 1909, sec. 1, p. 326; am. 1915, ch. 34, sec. 12, p. 103; C.L., sec. 3277; C.S., sec. 5611; am. 1927, ch. 63, sec. 2, p. 78; I.C.A., sec. 41-507; am. 1969, ch. 305, sec. 2, p. 913; am. 1973, ch. 262, sec. 2, p. 534; am. 1992, ch. 339, sec. 9, p. 1021.]

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SCANNED
MAY 0 8 2015

MEMORANDUM

TO: Water District 61D – Little Canyon Creek File

FROM: Angie Grimm

DATE: April 3, 2014

RE: Site Visit April 1, 2014 – Meeting with WM Rich Wootan & Measurement(s)

On April 1, 2014 I met with new watermaster Rich Wootan, Rusty Trail, and Rocky Trail at the Trail diversion. The following summarizes this site visit:

General Comments:

- Rusty Trail gave Watermaster key to new headgate.
- Headgate adjusted to let a little more water down the creek, majority of flow remaining in Trail ditch to Trail Reservoir.
- Gave brief overview to Watermaster on keeping log (write down dates of calls, water right numbers, and amount delivered/action taken), measuring weirs, estimating flow with "Orange-Peel/Float Test" method, and determining priority (who is senior vs. junior determined by priority date of water right).
- Watermaster confirmed the Morrow Reservoir (Paul Batruel) was full.
- Minor flow in Paul Baturel's ditch, however it was raining/snowing during visit so difficult to tell if water was from diversion of Little Canyon Creek or just runoff.
- Appeared no water being diverted out of Trail Reservoir.

Measurement:

1. **Trail ditch** from diversion reservoir/creek **into main Trail reservoir**:
    - Cipoletti Weir measurement = 5.63 cfs (h = 0.27 ft, C = 12 ft)

2. **Little Canyon Creek downstream of Trail diversion:**
    - Cipoletti Weir in place not functional. Visual estimation of flow (based on comparison to Trail Ditch flow) ≈ 2.5- 3 cfs.

Diversions/Calls as of 4/1/14 (per discussion with Watermaster Rich Wootan):

- Morrow/Batruel storage reservoir confirmed full by Watermaster prior to 4/1/14 visit.
- Trails' called for water to be diverted to their reservoir (per 3/2014 email to John Westra).
- 61-294 (3/15/1886 priority) Ark Properties = 1.18 cfs called for water prior to 4/1/14 visit.

SCANNED
MAY 0 8 2015

Westra, John

From: Rusty Trail [rustytrail@gmail.com]
Sent: Tuesday, March 11, 2014 9:14 AM
To: Westra, John
Subject: Morrow Reservior
Attachments: image.jpeg; ATT00001.txt; Video.MOV; ATT00002.txt

John, as of 9:00 am today morrow reservoir is full. I have attached a photo and a short video showing this. It would be great if someone can get Paul shut down now that he is full. I expect the same response time that I provided last year. I will call Rich Wootan and inform him. As you can see Paul has a board in his spill way.

3/12/2014 8:30 AM
Called Rich Wooten,

Rich had talked with Paul. Paul said it was OK to check the reservoir up above the spillway. No, that is not OK, Dam Safety certificate states "not above spillway crest". Paul is considered full, shut diversion off, let water down creek to Trail if there are no other water calls.

3/13/2014 9:30 AM

Rich called from the Morrow diversion. Shut and locked gate off. No livestock out along Morrow ditch, did not allow stockwater (Blackwell right). OK.
Rich had left message for Paul earlier, no response back.

4/1/14 Angie Grimm met with Watermaster @ Trail Reservoir diversion
Made calls for natural flow delivery

SCANNED
MAY 0 8 2015

FOR John

Urgent ☐

DATE 9:50 TIME

While You Were Out

M Rich Wooten

OF

PHONE 599-0394

CELL

FAX

- ☐ TELEPHONED
- ☐ CAME TO SEE YOU
- ☐ RETURNED YOUR CALL
- ☐ PLEASE CALL
- ☐ WILL CALL AGAIN
- ☐ WANTS TO SEE YOU

Message

A-9711
T-3002

SIGNED CN

Meeting Memorandum
To: Little Canyon Creek WD File
From: J.Westra
Date: 02/27/14

RE: In office meeting with Rocky and Rusty Trail

Angie Grimm and I met with the Trails at the regional office on 02/27/14. They had several questions that needed to be addressed.

Measurement Order
Why is a measurement device required upstream of the diversion pond ?
I did it to be consistent with all waterusers requirements. I suggested getting the weirs repaired first, We can discuss the upstream location later.

Why do why have to have reservoir level gauging?
There are points during the delivery season that we need to know the reservoir levels of Trail and Morrow reservoirs for priority deliveries.
I believe there is a storage curve already developed for the Trail Reservoir.

Delivery dates for storage and irrigation
It was the Trail's understanding that the fill for storage ends April 1.
No, since the SRBA decrees the season of use for irrigation starts 03/15; diversion to storage is now year round.
Batruel also has a natural flow water right from the same pd that is junior to the storage right—#61-4132.

What is the Capacity of Morrow Reservoir
Dam safety—575 acre feet.

-There was some discussion on the possibility of raising Trail Reservoir. There would have to be plans submitted by a registered engineer and a new water right filed.

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MAY 0 8 2015

57-7511

877-503-

0574

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WESTERN REGION

Little Canyon Creek Water District 61-D
11204 N. Bar 21 Dr.
Glenns Ferry, Idaho 83623
(208) 366-7931

February 24, 2014

Mr. John Westra, Manager
Idaho Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

RE: February 17th, extra meeting By-Law Changes

Dear Mr. Westra

During our meeting on proposed changes to the By-Laws of Little Canyon Creek, there was a great deal of discussion. The consensus of most of the group was that Proposal 3a (see attached copy) is already covered under Idaho water law. Therefore, the proposed was unnecessary. Would you please issue us clarification or confirmation in writing. At this point the proposal is Tabled till the next annual meeting, at which point I am to report back to the members.

Also we would request training for our new watermaster Rich Wootan and assistant/ alternate Mark Brumlett. Please coordinate with Rich Wootan, at 599-0394.

I am enclosing a copy of the minutes of our last meeting for you information.

Should you have any question, please contact me at number above.

Sincerely,

Teresa McCallum, Secretary

Enclosures: Proposed changes & Minutes

CC: All users, sent out with minutes

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MAY 0 8 2015

MAY 0 8 2015
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WESTERN REGION

GIVENS PURSLEY LLP

LAW OFFICES
601 W. Bannock Street
PO Box 2720, Boise, Idaho 83701
TELEPHONE: 208 388-1200
FACSIMILE: 208 388-1300
WEBSITE: www.givenspursley.com

MICHAEL P. LAWRENCE
DIRECT DIAL: (208) 388-1294
EMAIL: MPL@givenspursley.com

Gary G. Allen
Peter G. Barton
Christopher J. Beeson
Clint R. Bolinder
Erik J. Bolinder
Preston N. Carter
Jeremy C. Chou
William C. Cole
Michael C. Creamer
Amber N. Dina
Elizabeth M. Donick
Thomas E. Dvorak
Jeffrey C. Fereday
Martin C. Hendrickson
Don E. Knickrehm
Neal A. Koskella
Debora K. Kristensen
Michael P. Lawrence
Franklin G. Lee
David R. Lombardi
Emily L. McClure
Kenneth R. McClure
Kelly Greene McConnell
Alex P. McLaughlin
Melodie A. McQuade*
Christopher H. Meyer
L. Edward Miller
Patrick J. Miller
Judson B. Montgomery
Deborah E. Nelson
W. Hugh O'Riordan, LLM.
Angela M. Reed
Matt G. Smith
P. Mark Thompson
Jeffrey A. Warr
Robert B. White

Of Counsel
Kimberly D. Maloney

*Licensed in Virginia

Retired:
Kenneth L. Pursley
James A. McClure (1924-2011)
Raymond D. Givens (1917-2008)

January 13, 2014

Via Hand Delivery

Water District No. 61-D
c/o Teresa McCallum, Secretary
11204 N Bar 21 Drive
Glenns Ferry, ID 83623

Re: *Proposed Resolutions for 2014*

Dear District:

On behalf of Paul Batruel, please find the enclosed resolutions Mr. Batruel proposes for adoption at Water District 61-D's January 13, 2014 Annual Meeting.

Sincerely,

Michael P. Lawrence

Enclosure
cc: John Westra, IDWR (w/enc.)
1978430_1

SCANNED
MAY 08 2015

Little Canyon Creek Water District #61-D
Minutes of the Meeting
Outside Glenns Ferry City Hall
February 17 , 2014

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WATER RESOURCES
WESTERN REGION

Call to Order: Meeting was called to order at 1:02 pm, February 17, 2014, by Alan Crane, President.

Water Users in Attendance: Robert Hall, Mary Hall, Jim Chambers, Rocky Trail, Rich Wootan, Mark Brumlett, Paul Batruel, Alan Crane, Wes Wootan, Jerry Gorrell, Ann Murray, Teresa McCallum, Allison McCallum.

Reading of Minutes, Treasurer's Report, Water Report: Readings to be suspended to the 2nd Monday of January 2015; (January 12th, 2015-2:00 pm, Glenns Ferry City Hall).

Old Business: Paul introduced Mark Brumlett, as a potential alternate watermaster that may be able to assist as well as cover in case the current watermaster Rich Wootan is not available. After much discussion a Motion was made to approve an alternate/backup watermaster with the conditions that Rich Wootan would be primary, and only on the request of Rich Wootan would the alternate take charge of the position until that time when Rich Wootan becomes available to reclaim his duties. Motion was made by Paul Batruel and seconded by Rocky Trail. A motion was made by Rocky Trail that when unavailable Rich Wootan would inform all water users via mass text when he is unavailable and to contact Mark Brumlett (the alternate) in his absence, motion was seconded by Robert Hall. Teresa made a amendment to pay to train the alternate, motion seconded by Rocky Trail. Vote to pass, passed unanimously.

New Business: Proposed resolutions brought forth by Paul Batruel, proposal 1 discussion about watermasters term of service, (*See proposal 1 of attached document of proposed changes*) Motion was made to amend the by-laws to include the proposal 1, motion did not pass, one (1) yea, seven (7) nay. Followed by Proposal 2, (*See proposal 2 of attached document of proposed changes*) item was withdraw having been previously handled at the annual meeting held on January 13, 2014. Proceeded to proposal 3 which was dealt with in portions a & b separately. Portion a. of proposal 3 (See a. of proposal 3 of attached document of proposed changes) after much discussion it was widely believed that this was already covered in existing law. This portion was Tabled with the direct instruction that the secretary (Teresa McCallum) would request and receive clarification in writing from Water Resources and would report back at the next annual meeting. If it is not covered under current law then the proposed changes will be brought forth at the annual meeting. Motion to Table was made by Teresa McCallum, seconded by Rocky Trail. Placed up for vote, passed unanimously. Portion b. of proposal 3 (See b. of proposal 3 of the attached document of proposed changes), after lengthy discussion a motion was made by Alan Crane to amend the by-laws to include the proposal 3 b., voted on by all present one (1) yea, seven (7) nay, changes were denied.

Other Business: See attached "Outline for February 17, 2014 WD 61D Meeting" Brought forth by Paul Batruel. Paul inquired to how the assessments were determined and

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Little Canyon Creek Water District #61-D
Minutes of the Meeting
Outside Glenns Ferry City Hall
February 17 , 2014

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WESTERN REGION

allocated to each user, Secretary Teresa McCallum responded with documentation provided her via Water Resources. Said document will be provided to users upon request. Paul Batruel brought forth information that there were indications that the stream-bed located in conjunction with his diversion had presumably been tampered with.

Motion to Re-approve the by Laws: Motion made by Alan Crane, seconded by Robert Hall. Passed Unanimously.

Adjournment: Meeting adjourned to the 2nd Monday of January 2015; (January 12th, 2015 at 2:00 pm, Glenns Ferry City Hall).

Teresa McCallum, Secretary

If you feel that there is anything that I have left out or misstated please call or send me a note so that I can have the corrections at the next meeting on Monday January 12th, 2015, at 2:00 pm at Glenns Ferry City Hall.

Water District Board maybe reached at the following:

<u>President</u>
Allen Crane
803 S. Boise
Glenns Ferry, ID 83632
(208) 941-6687
ikmm,

<u>Alternate Watermaster</u>
Mark Brumlett

<u>Sec/Treas.</u>
Teresa McCallum
11204 N. Bar 21 Dr.
Glenns Ferry, ID 83623
(208) 366-7931

<u>Watermaster</u>
Rich Wootan
2286 S. Pruett Rd.
King Hill, ID 83633
(208) 366-2696 Home
(208) 599-0394 Cell

SCANNED
MAY 08 2015

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WATER RESOURCES
WESTERN REGION

Little Canyon Creek Water District #61-D
Resolutions
January 13, 2014
City Hall, Glenns Ferry, Idaho

The water users of Water District No. 61-D (the "District"), as part of the annual district meeting held on January 13, 2014, at the Glenns Ferry City Hall in Glenns Ferry, Idaho, in accordance with the laws and rules of the State of Idaho, HEREBY ADOPT THE FOLLOWING RESOLUTIONS:

1. The Watermaster's term of service shall commence on April 1 and shall end on October 31, during which time the Watermaster solely shall have control over all diversions of water within the District. Prior to April 1 and after October 31, water users shall have control of their respective authorized diversions of water.

2. An Advisory Committee ("Committee") is hereby selected to provide input to the Watermaster and the Director of IDWR. The Committee will meet as often as needed to address the structure, governance and operation of the District. Three water users in the District shall comprise the Committee. The Committee members for the ensuing year shall be the following (selected at the annual meeting):

Member #1: Paul Batruel

Member #2: _____

Member #3: _____

3. The Watermaster shall distribute water to rights in accordance with Idaho Code Title 42, IDWR's Watermaster Handbook updated May 2013 (as may be amended), the District's duly approved resolutions, and according to currently effective decrees, partial decrees, permits, licenses, and transfers approved or issued by IDWR or a court of law as the case my be. To prevent the diversion of water by junior water right holders when senior rights are not filled, and to ensure that water called for by senior right holders is put to beneficial use and not wasted, the following procedures shall be followed:

a. When there is not sufficient water in Little Canyon Creek to deliver water to all water rights, the Watermaster shall first deliver water to users holding senior priority water rights who call for water following the procedures set forth below, and who affirm in writing their intention to divert such water into storage or put it to beneficial use within 48 hours of delivery and to thereafter continue to put such water to beneficial use without unreasonable waste. Otherwise, junior water rights may divert water.

b. A senior water user must place a call in writing with the Watermaster for delivery of water no less than 48 hours prior to the time the user desires delivery to their authorized point of diversion. If a senior water user who calls for water fails to divert such water into storage or put it to beneficial use within 48 hours of delivery, or to thereafter put such water to beneficial

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use without unreasonable waste, the Watermaster shall: (i) cease delivering water to such user; (ii) re-commence delivering water to other users entitled to such water in priority; and (iii) specially assess the user who made the unnecessary call $150 to compensate the Watermaster. The Watermaster shall not deliver water to a user who made an unnecessary call unless and until such user fully pays all special assessments.

NOW THEREFORE BE IT RESOLVED, upon vote of the District's water users in accordance with Idaho Code, that the District's rules and procedures are hereby amended as set forth above.

_____

_____, President

ATTEST: _____

_____, Secretary

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WATER RESOURCES
WESTERN REGION

Outline for February 17, 2014 WD 61D Meeting

Prior to meeting, Paul to review packet sent by Teresa McCallum, including:

- 2014 Assessment Notice
- January 2014 meeting minutes
- Proposed Resolutions

Paul to address the following points on the record at today's meeting:

- January meeting minutes
    - Paul to offer any changes needed to make minutes more accurate
    - Paul to vote to approve minutes only if any changes he offers are approved
- Assessments OK?
    - Is Paul's $511.41 assessment too high? It is more than ¼ of total WD 61D budget
    - How are assessments allocated to users? Storage users by volume? Natural flow users by flow rate?
- Tampering with Batruel diversion and streambed
    - Unauthorized and illegal tampering with Batruel diversion and trenching of streambed happened recently
    - Paul will notify IDWR and BLM
    - Any further unauthorized tampering also will be reported to IDWR, BLM, Sheriff
- Proposed Resolutions:
    - Proposed Resolution #1: good idea to reduce burden on Watermaster and keep callout assessments down during non-irrigation season
    - Proposed Resolution #2: moot—already handled at January annual meeting
    - Proposed Resolution #3: The purpose is (1) to make sure senior rights are filled before juniors, (2) to make sure that water that is called for is put to beneficial use and not wasted; and (3) to assess users who make unnecessary calls

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WESTERN REGIONAL OFFICE
2735 AIRPORT WAY
BOISE, IDAHO 83705

ADDRESS SERVICE
REQUESTED

Measurement Order

836 836 83647 C3-50

6020140130-144207

6
83647

SERVICE REQUEST

PRSRT FIR
US POS
Boi
PER

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WATER RESOURCES
WESTERN REGION

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MAY 08 2015

DON & CHERYL TVEIDT
1320 ELM ST
MOUNTAIN HOME ID 83647

NIXIE 836473028-1N 02/06/14P

RETURN TO SENDER
UNABLE TO FORWARD
UNABLE TO FORWARD
RETURN TO SENDER

~ STATE OF IDAHO ~
DEPARTMENT OF WATER RESOURCES

DAM AND RESERVOIR CERTIFICATE OF APPROVAL

This document certifies that:

Little Canyon Dam (aka Morrow Reservoir), located in Section 12, T5S, R9E, Elmore County, has been inspected by the Idaho Department of Water Resources Dam Safety program as provided in Title 42, Chapter 17 Idaho Code, and is hereby approved to impound water not to exceed the crest of the emergency spillway located near the left abutment of the embankment dam, absent any obstruction, and corresponding to a vertical measure (freeboard) not less than 4.0 feet below the lowest point along top of the earthen dam; however, subject to the following terms and conditions:

- This certificate supersedes all previous versions;
- This certificate will expire on **December 31, 2014**;
- Authorized storage is based on the results of periodic inspection, and the continued maintenance, repair and proper operation of the structure by the owner for the protection of public safety;
- This certificate is the property of the State of Idaho and may be revoked at any time upon written notice if the Department determines the structure is unsuitable to impound water, and thus constitutes a danger to life or property downstream;
- Reservoir storage is limited to existing and valid water right(s) as recorded by the Department of Water Resources.

Dated this 31st day of January, 2014

John Falk, P.E.
Dam Safety Program Manager

COPY

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IDWR File: 61-0308

National Dam ID: ID00105

Little Canyon Creek Water District Guides

- **When you receive your first water call, contact the Department for field assistance.**

- Water users need to provide information regarding what rights they want delivered. The Watermaster needs to communicate with waterusers regarding deliveries and curtailments.

- Keep a detailed diary with dates of your phone calls, water right no's that are being delivered or curtailed, water measurements/estimates and all other actions.

- The watermaster's jurisdiction ends at the creek headgate/diversion

- Where there is not measurement device(s) your best estimate is the amount.

- The right holders will be submitting measurement and diversion works plans to you in August.

-61-308 Batruel Storage Right/Morrow Reservoir Diversion—Key

-Calls to the Watermaster for irrigation deliveries can begin as early as March 15th by call of right holder.

-Note: All calls for water must be delivered by priority date, no exceptions.

-If the Morrow diversion can divert the full creek flow, No deliveries to junior creek rights until the Morrow Reservoir is full.
(the storage and natural flow rights at the Trail diversion are junior)

-Deliveries to downstream rights senior to #61-308 are made by keeping water in the creek –restricting the flow down the Morrow ditch.

-Right 61-371B "Old Blackwell right" Casa Del Norte Stockwater has one point of diversion that is the Batruel Ditch. Need to leave some stockwater in Batruel ditch even though the right 61-308 is off later in the season

Over

-Right 61-12024 "Berry Ranch" Casa Del Norte. Stockwater. McCallums may call for stock water in the creek early (downstream of Morrow diversion) while Batruel is taking all the creek flow to fill the Morrow reservoir.—They did this last year in late March.

-When the watermaster is regulating the creek, the Morrow Reservoir diversion should be tagged chained and locked.

Some Simple Scenarios:

All water deliveries made by the Watermaster are by priority date, no exception.

Reference: junior or senior right means junior or senior priority to the Batruel Morrow Reservoir storage right #61-308—see creek water right summary.

The Creek Flow is Beyond the Morrow Diversion Capacity

1. The Morrow ditch diversion gate is fully open but still not able to divert the entire creek, and the reservoir is not full. There is extra flow in the creek channel downstream of the Morrow diversion. **There are No calls** from junior or senior natural flow right holders. The Trail reservoir is empty/not full.

Watermaster Action: No adjustment to the Morrow diversion
Divert storage water to the Trail Reservoir at the Trail diversion.

2. The Morrow ditch diversion gate is fully open but still not able to divert the entire creek, and the reservoir is not full. There is extra flow in the creek channel downstream of the Morrow diversion. **There are calls** for delivery of natural flow rights that are senior to the Trail Storage rights. There is enough water to deliver all the natural flow rights and additional flow to the junior Trial Storage rights. The Trail reservoir is empty/not full.

Watermaster Action: No adjustment to the Morrow diversion
Deliver natural flow right calls senior to Trail Storage right
-Deliver any additional remaining flow to Trail Storage right

The Morrow Diversion Capacity Exceeds the Creek Flow

3.All the flow in the creek is being diverted to the Morrow ditch. The reservoir is not full. **There are No calls** for water from senior or junior natural flow/storage rights

Watermaster Action: None
No delivery to Trail Reservoir

4. All the flow in the creek is being diverted to the Morrow ditch and the reservoir is not full. A **senior natural flow right holder(s) is calling** for delivery of their right(s).

Watermaster Action: Decrease the Morrow diversion to place water back in the creek channel for delivery of the senior natural flow right(s) call downstream.
No delivery to Trail Reservoir

5. All the flow in the creek is being diverted to the Morrow ditch, and the reservoir is not full. **A junior natural flow and storage right holder is calling** for delivery of their right.

Watermaster Action: None
No delivery to Trail Reservoir

6. All the flow in the creek is being diverted to the Morrow ditch and the reservoir is not full. The **senior natural flow rights calls exceed the flow being diverted down the Morrow ditch.**

Watermaster Action: Shut the Morrow diversion off with the exception of some stockwater (61-371B).
Make deliveries of senior natural flow right calls.
No delivery to Trail Reservoir.

The Morrow Reservoir is full

7. The Morrow Reservoir is full.

Watermaster Action: - Shut the Morrow diversion off with the exception of some stockwater (61-371B).
-Deliver natural flow right calls that are senior to Trail Storage rights.
-Deliver any remaining available flow to the Trail Reservoir.

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website:
www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

January 29, 2014

To: Little Canyon Creek Water District 61D Water Users

RE: Controllable-lockable Diversion Works and Measurement Device Order

Dear Water User:

Attached is a *Controllable Diversion Works and Measurement Device Order* that is being sent to all water right holders. A watermaster report summary is also enclosed that lists the creek water rights by priority date for your reference.

As you are aware, the Water District Watermaster is responsible for the regulation /delivery of the creek water rights. Currently, the lack diversion structures and measurement devices forces the Watermaster to make water deliveries by visual flow estimation. This can result in delivery inequities and non-efficient use of the resource. Bottom line: proper measurement and diversion works are required for the Watermaster to perform their duties.

Please be advised, the Department will only accept surface water measuring device types that meet the Department's "Minimum Acceptable Standards for Open Channel and Closed Conduit Measurement Device Guide," see attached. Enclosed also are exerts from the Water Measurement Book published by the University of Idaho. The book outlines various weir and flume designs that may be applicable to your diversion situation. Included are design parameters, installation instructions, and flow rate conversion charts for each design. The entire book can be found on our website at www.idwr.idaho.gov under the Water Measurement link..

Water users that have numerous diversion points may want to consider consolidation to minimize costs for new works. If you need technical assistance in developing a structure design, the Natural Resource Conservation Service (NRCS) in Mtn. Home may be able to provide technical or design assistance, phone 208-587-3303. Local irrigation supply businesses also have staff available to provide technical assistance and needed hardware.

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra

John Westra, Manager

Enclosures: order, wr. summaries, measurement book exerts

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PLANS to WM ~ 8/1/2014

INSTALL/REPAIR ~ 3/1/2015

WM + TOWN INSPECT ~ 3/15/2015

MEASUREMENT ORDER
with deadlines

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on this 30 day of January, 2014, true and correct copies of the documents described below were served by placing a copy of the same with the United States Postal Service, postage prepaid and properly addressed to the following:

Documents Served: Controllable-lockable Diversion Works and Measurement Device Order

TRAIL FAMILY FARMS
5308 E TRAIL RD
KING HILL ID 83633

BETTY SCHELL/ DENA MERCHANT
PO BOX 1203
GLENNS FERRY ID 83623

BOB HALL
2975 W LATTY DR
GLENNS FERRY ID 83623

IRON HORSE RANCH LLC
11204 N BAR 21 DR
GLENNS FERRY IF 83623

HALF MOON LLC
911 WINDING CREEK RD
EAGLE ID 83616

DICK ANDERSON
PO BOX 807
GLENNS FERRY ID 83623

DONALD HOLLOWAY
PO BOX 251
GLENNS FERRY ID 83623

DONALD J TVEIDT JR
C/O DONALD J TVEIDT SR
PO BOX 1245
GLENNS FERRY ID 83623

AURTHUR CHURCH
537 W AURTHUR AVE
GLENNS FERRY ID 83623

HAMMETT LIVESTOCK
PO BOX 33
HAMMETT ID 83627

JOANE MARTINEZ
PO BOX 184
GLENNS FERRY ID 83623

JOEL ALLEN
PO BOX 564
GLENNS FERRY ID 83623

JOYCE PEARSON
C/O NATHEN JONES
2240 E MAPLE DR
KING HILL ID 83633

LAVA RIM RANCH
2604 N MORROW RES. RD.
GLENNS FERRY ID 83623

PAUL BATRUEL
3335 N MORROW RES. RD
GLENNS FERRY ID 83623

IDAHO FOODS
357 CONSTITUTION WAY
IDAHO FALLS ID 83402

RUBY JOHN
C/O DAN HALL
PO BOX 644
GLENNS FERRY ID 83623

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THREE ISLAND STATE PARK
PO BOX 609
GLENNS FERRY ID 83623

ALAN CRANE & MIKE NICKERSON
803 S BOISE
GLENNS FERRY ID 83623

THREE ISLAND LLC
DBA CARMELLA
PO BOX 790
GLENNS FERRY ID 83623

RICH WOOTAN
2286 S PRUETT RD
KING HILL ID 83633

ARK PROPERTIES LLC
11204 N BAR 21 DR
GLENNS FERRY ID 83623

NATURAL RESOURCE
CONSERVATION SERVICE
795 S HASKETT
MTN HOME ID 83647

F. PRICE WATER RIGHT SPECIALIST
BUREAU OF LAND MANAGEMENT
IDAHO STATE OFFICE
1387 S VINNELL WAY
BOISE ID 83709

NATURAL RESOURCE
CONSERVATION SERVICE
795 S HASKETT
MOUNTAIN HOME ID 83647

CARLENE R SMITH
13805 QUINTESSA ST
CALDWELL ID 83607

DON & CHERYL TVEIDT
1320 ELM ST
MOUNTAIN HOME ID 83647

EARL & ANNA GARDNER
PO BOX 208
GLENNS FERRY ID 83623

LEROY J MARTINEZ
206 N ALTON AVE
PO BOX 862
GLENNS FERRY ID 83623

Megan Gregory
Office Specialist II

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BEFORE THE DEPARTMENT OF WATER RESOURCES OF THE STATE OF IDAHO

IN THE MATTER OF LITTLE CANYON CREEK WATER DISTRICT 61D WATER MASTER REGULATION AND DELIVERY OF WATER RIGHTS	***PRELIMINARY ORDER REQUIRING CONTROLLABLE DIVERSION WORKS AND MEASURING DEVICES***

FINDINGS OF FACT

1. The water rights on Little Canyon Creek in Elmore County Idaho are regulated by the Little Canyon Creek Water District #61D. The Water District Watermaster is responsible for water delivery and regulation of the natural flow and storage water rights associated with the creek source.

2. Recent annual low snow packs and rainfall has forced the Watermaster to curtail junior priority date storage and natural flow water rights early in the season to prevent injury to senior priority rights.

3. During 2013, there were allegations and conflicts regarding the delivery and regulation of storage and natural flow creek rights among the waterusers. There were similar delivery problems in previous years.

4. Measurement devices and controllable-lockable diversion works are lacking or in disrepair on the creek. The Watermaster is forced to make water deliveries based on visual flow and storage estimations.

5. The Watermaster cannot effectively deliver/regulate the creek water rights in the absence of measurement devices and controllable-lockable diversion works.

CONCLUSIONS

1. IC§42-701states in part:

(1) The appropriator 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 headgates and controlling works at the point where the water is delivered……Each such appropriator shall construct and maintain, when required by the director of the Department of Water Resources, a rating flume or other measuring device at such point most practical in such canal ditch, wellhead or pipeline for the purpose of assisting the watermaster……(3) Any appropriator or user of the public water of the state of Idaho that neglects or refuses to construct or maintain such headgates, controlling works, or measuring devices, or has not executed an agreement in lieu of a measuring device as provided in subsection (2) of this section upon receiving ten (10) days notice from the director within which to begin and diligently pursue to completion of the construction or installation of the required device or devices……the director may order the duly qualified and acting watermaster of the water district to shut off and refuse to deliver at the point of diversion, the water owned by such appropriator or user.

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1/2014 MEAS. ORDER

2. The Idaho Department of Water Resources Director (Director) is authorized to supervise the distribution of water rights in a water district. Water rights are to be distributed base on priority date, ref. Idaho Code (IC) §42-602.

3. Failure to compete the work within the time set may warrant a notice of violation for each diversion point and/or measuring device point not in compliance with the requirements of the water district. Civil penalties should accrue starting from the time set for completion and may be levied up to $150.00 per day for each day of the continuing violation, ref. IC§ 42-1701B.

4. The waterusers should be allowed ample time to complete installation of controllable diversion works and measurement devices.

ORDER

The following is hereby **ORDERED:**

1. Controllable-lockable diversion works and measurement devices shall be installed on utilized points of diversion as described by water rights with Little Canyon Creek as source. The deadline for approved installations/repair is on or before **March 1, 2015.**

2. Controllable diversion works and measurement devices shall be subject to the approval by the Department of Water Resources and the Little Canyon Creek Water District #61D Watermaster. Measurement devices must meet the Department's "Minimum Acceptable Standards for Open Channel and Closed Conduit Measuring Devices Guide" A plan detailing the controllable diversion works and measurement device design and installation/repair will be submitted to the Watermaster for review on before **August 1, 2014.**

3. Identification and inspection of diversions by the Watermaster shall occur on or about **March 15, 2015**. A GPS location will be established to confirm each diversion and the associated water right(s).

4. Storage facilities shall be fitted with gauging that depicts the height of storage (feet) in relation to the volume (acre feet) of water being stored. The storage right holder shall provide the Watermaster a gauge height verses storage volume chart/graph for their storage facility.

5. A creek channel weir shall be installed upstream of the Trail Diversion Reservoir, and the downstream creek channel weir shall be repaired just downstream of the reservoir spillway to provide accurate delivery of creek natural flow water rights.

6. The Watermaster shall refuse/deny delivery of water to any water right holder not demonstrating an approved controllable-lockable diversion works and measuring device.

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7. Failure to install an approved controllable diversion works and measurement devices by March 1, 2015 may warrant a "Notice of Violation" from the Department of Water Resources for each point of diversion not in compliance.

8. Authorized stockwater and domestic beneficial uses are exempt from measurement device requirements.

9. The Order applies only to diversions located on Little Canyon Creek. This Order is not applicable to points of diversion on ditches, lateral ditches, shared re-diversions, or field headgates.

10. The Watermaster will deliver/administer natural flow and storage rights by priority date pursuant to IC Title 42, Chapters 6 & 7 and authorized water right parameters.

Dated this 29th day of January 2014

John Westra, Western Regional Manager

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MAY 08 2015

Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12197	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.04		18	2	IRRIGATION	SMITH, CARLENE R
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	5	SWSE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NENWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	8	NWSWSW		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	12198	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1871	05S	10E	18	SESE		0.56		256	28	IRRIGATION	HALF MOON RANCH LLC
61	371A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	05S	10E	19	NWNENE		0.8		80		IRRIGATION	PEARSON, JOYCE
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	09E	36	SESESE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NESWSE		0.4				STOCKWATER	CASA DEL NORTE LP
61	371B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1872	04S	10E	9	NENWNE		0.4				STOCKWATER	CASA DEL NORTE LP
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	5	NWSWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11447	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1876	05S	10E	8	SENWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	297	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		2		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	15	SWSWNE		0.02				STOCKWATER	CASA DEL NORTE LP
61	12024	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1883	04S	10E	10	NWNWSW		0.02				STOCKWATER	CASA DEL NORTE LP
61	12033	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/1/1883	04S	10E	10	NESESW			14.6			STOCK STORAGE, etc	CASA DEL NORTE LP
61	298	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/25/1885	04S	10E	10	NWNWSW		0.5		125		IRRIGATION	CHARTER MOUNTAIN RANCH INC
61	294	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1886	05S	10E	31	NESENW		1.18		65		IRRIGATION	ARK PROPERTIES LLC
61	295	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/18/1888	05S	10E	31	SWNE		0.34		17		IRRIGATION	THREE ISLAND LLC
61	303B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NENWSW		0.2		85	10	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12195	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.3		256	14	IRRIGATION	HALF MOON RANCH LLC
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	18	SESE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	5	SWSE		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10e	8	NENWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	12196	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/2/1892	05S	10E	8	NWSWSW		0.02		18	1	IRRIGATION	SMITH, CARLENE R
61	305	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/3/1892						0.4				IRRIGATION	ROSEVEAR, JOSEPH
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12191	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		0.09		18	4.6	IRRIGATION	SMITH, CARLENE R
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	18	SESE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	5	NWSWSE		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NWSWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12192	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/5/1892	05S	10E	8	NENWSW		1.31		256	65.4	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	372	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/6/1892	05S	10E	19	NWNENE		1.6		80		IRRIGATION	PEARSON, JOYCE
61	304B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.8		85	40	IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R

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Watermaster Report
WD 61D, Little Canyon Creek (All PODs)
Angie Grimm, IDWR 4/2/2013

Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	12193	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		0.08		18	4	IRRIGATION	SMITH, CARLENE R
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	5	SWSE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	18	SESE		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NENWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	12194	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/7/1892	05S	10E	8	NWSWSW		1.12		256	56	IRRIGATION	HALF MOON RANCH LLC
61	306	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892						2				IRRIGATION	ROSEVEAR, JOSEPH
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	19	SWSE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	10642	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/8/1892	05S	10E	30	NENE		2.29		114.4		IRRIGATION	JOHN, RUBY M; JOHN, SAMUEL M
61	308	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/7/1895	04S	10E	9	NENWNE		200	700	328		IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	11921	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	12/31/1897	05S	09E	12	SESE		1.16		316	58	DOM, IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293A	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	1/1/1898						0.575				IRRIGATION	VINER, CARLENE R; VINER, RICHARD P
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	09E	12	SESE		0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293B	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	SWNW	2	0.575		295		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL; BATRUELS DAIRY
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293C	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	19	SWSE		0.4		39.2	22	IRRIGATION	IDAHOAN FOODS INC
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	293D	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/1/1898	05S	10E	18	NWSESE		0.18		40	10	IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	SWSE		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4038	Water Right	Active	SAND SPRINGS GULCH CK	LITTLE CANYON CK	8/2/1898	05S	10E	18	NESW		0.18		11		IRRIGATION, STOCK	SMITH, CARLENE R
61	4132	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/29/1903	04S	10E	9	NENWNE		10		328		IRRIGATION, STOCK	BATRUEL, MARY N; BATRUEL, PAUL
61	2000A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.044		29		IRRIGATION	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12189	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		0.14		18	4.1	IRRIGATION, STOCK	SMITH, CARLENE R
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NENWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	8	NWSWSW		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	18	SESE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	12190	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/7/1903	05S	10E	5	SWSE		1.92	58.9	256	58.9	IRRIGATION, STOCK	HALF MOON RANCH LLC
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	SWNENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	10473	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1910	05S	10E	31	NWSENE		0.02				STOCKWATER	HOLLOWAY, DONALD S; MOFFET, DIANE H
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	36	NWNW		0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2223	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/8/1911	05S	09E	35	NWNE	6	0.24		70	12	DOMESTIC, IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	36	NWNW		0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2044	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/19/1915	05S	09E	35	NWNE	6	0.36		70	18	IRRIGATION	HALL, ROBERT K
61	2055	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE		0.6		30		DOMESTIC, IRRIGATION	MORROW, JAMES C
61	2224	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	SWNE			700	30		IRRIGATION STORAGE	MORROW, JAMES C
61	10834	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/28/1918	04S	10E	9	NENWNE		0.6	150	328	30	IRRIGATION STORAGE, etc	BATRUEL, MARY N; BATRUEL, PAUL; BATRUEL, PETER

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Watermaster Report
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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	NENE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	02S	09E	35	SESE		0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	09E	2	NENE	1	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10680	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	03S	10E	18	NWSW	3	0.02				STOCKWATER	HAMMETT LIVESTOCK CO
61	10681	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/1/1922	04S	10E	29	SENENE		0.06				STOCKWATER	USA ACTING THROUGH
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12187	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.05		18	2.6	IRRIGATION	SMITH, CARLENE R
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NESWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	8	NWSWSW		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	5	SWSE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	12188	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/5/1928	05S	10E	18	SESE		0.75		256	37.4	IRRIGATION, STOCKWATER	HALF MOON RANCH LLC
61	10474	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	2/7/1932	05S	10E	31	NENE		0.02				STOCKWATER	GARDNER, ANNA L; GARDNER, EARL P
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	33	NWNWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11411	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWSENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11435	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	9	NWNESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11436	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11440	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	29	NESENE		0.02	1			STOCK STORE, STOCK, etc	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	15	NENESW		0.02				STOCKWATER	USA ACTING THROUGH
61	11452	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	04S	10E	21	SWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	1	SWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11487	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	09E	12	SENE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	28	SWSWSW		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	19	NENESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11527	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/28/1934	03S	10E	29	NWNWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	21	NENWNE		0.02				STOCKWATER	USA ACTING THROUGH
61	11528	Water Right	Active	DEER CK	LITTLE CANYON CK	6/28/1934	03S	10E	29	NESESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	19	SENWSE		0.02				STOCKWATER	USA ACTING THROUGH
61	11629	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	04S	10E	20	SWNENW		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	09E	12	SESE		0.02				STOCKWATER	USA ACTING THROUGH
61	11630	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	6/28/1934	05S	10E	18	SWNW	2	0.02				STOCKWATER	USA ACTING THROUGH
61	4041A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.02		0.6		IRRIGATION	CRANE, DEWEY A; NICKERSON, ROGER M
61	4041B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/1/1940	05S	10E	30	NESESE		0.01		0.4		IRRIGATION	TVEIDT JR, DON; TVEIDT, CHERYL
61	4083	Water Right	Active	SPRING	LITTLE CANYON CK	7/1/1941	02S	09E	26	SESE		0.02				STOCKWATER, WILDLIFE	USA ACTING THROUGH
61	2271	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	1/24/1942	04S	10E	19	NESENW			9.97			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	10116	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	5/1/1943	05S	10E	30	NESESE		0.03				DOMESTIC	SCHELL, BETTY J
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	10E	32	NWNWNW		0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	8/16/1944	05S	09E	35	SWNENE	6	0.3		57	15	IRRIGATION	STATE OF IDAHO
61	2076	Water Right	Active	SNAKE RIVER	COLUMBIA RIVER	8/16/1944	06S	10E	6	NENENW	4	0.3		57	15	IRRIGATION	STATE OF IDAHO

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Basin	Sequence	Type	Status	Source	Tributary	Priority Date	Twp	Rge	Sec	QQQ	Gov't Lt	Rate(cfs)	Vol(af)	Acres	Ac Limit	Water Use(s)	Current Owner(s)
61	11925	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	12/31/1949	05S	10E	30	SESE		0.04				DOMESTIC	MARTINEZ, JOANNE
61	2304	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	05S	09E	1	SENWNE			2			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2308	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	5/5/1953	04S	10E	28	NESENE			1			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	2228A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1280	676		IRRIGATION STORAGE, etc	BARBER-CAVEN RANCHES
61	2228B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	1/21/1955	04S	10E	29	NENE			1252	1546	313	IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL,
61	2107A	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.4		338	320	IRRIGATION	BARBER-CAVEN RANCHES
61	2107B	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/14/1955	04S	10E	29	NENE		6.26		933	313	IRRIGATION	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	11618	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/26/1957	04S	10E	9	SWNE			0.3			STOCKWATER STORAGE, etc	USA ACTING THROUGH
61	4123C	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5	933		IRRIGATION STORAGE, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	4123D	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	4123E	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/6/1957	04S	10E	29	NENE			71.5			IRRIGATION STORAGE	CRANE, RALPH; CRANE, VERNESS
61	4123F	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/7/1957	04S	10E	29	NENE			31.5			RECREATION STORAGE	USA ACTING THROUGH
61	11438	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11438	Water Right	Active	UNNAMED STREAMS	SINKS	6/4/1958	04S	10E	29	SENENE			14.5			STOCK STORE, WILDLIFE STORE, etc	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	28	NWNW		0.02				STOCKWATER	USA ACTING THROUGH
61	11439	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	6/4/1958	04S	10E	29	SENENE		0.02				STOCKWATER	USA ACTING THROUGH
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	36	NWNW		0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2086	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/5/1961	05S	09E	35	NWNE	6	0.82		70	41	IRRIGATION	HALL, ROBERT K
61	2152	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/6/1965	05S	09E	36	SENW		1.36	272	68		IRRIGATION	ANDERSON, RICHARD W
61	4079	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	4/1/1967	04S	10E	29	NENE		0.71	141	2479	94	IRR STORAGE, IRR, etc	TRAIL, JENNIFER ; TRAIL, RUSTY L; TRAIL, TERRIE E; TRAIL, WALTER L
61	7011	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	11/9/1967	05S	10E	31	NWSENE		0.08		4		IRRIGATION	ALLEN, CINDY; ALLEN, JOEL
61	7039	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	7/29/1968	05S	10E	31	SWNE		0.07	9	2		IRRIGATION	THREE ISLAND LLC
61	4090	Water Right	Active	LITTLE CANYON CK	SNAKE RIVER	3/15/1970	04S	10E	29	NENE		0.26		338	18	IRRIGATION	BARBER-CAVEN RANCHES
61	7575	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7575	Water Permit	Active	WASTE WATER	LITTLE CANYON CK	2/24/1986	05S	10E	18	SESE		0.8		40		IRRIGATION	IDAHO FRESH PAK INC
61	7666	Water Right	Active	WASTE WATER	LITTLE CANYON CK	7/15/1991	05S	10E	30	NWNE		0.54	7.9			STOCKWATER	OWEN, DAVID E
61	7688	Water Right	Active	UNNAMED STREAM	LITTLE CANYON CK	3/1/1994	05S	09E	36	SENE			0.5			WILDLIFE STORAGE	ANDERSON, DICK
61	7700	Water Right	Active	WASTE WATER	LITTLE CANYON CK	12/8/1994	05S	10E	30	NWNE		0.23	5.6			STOCKWATER	OWEN, DAVID E
61	12060	Water Permit	Active	LITTLE CANYON CK	SNAKE RIVER	4/6/2004	05S	10E	30	SESE		0.02		0.5		IRRIGATION	MARTINEZ, LEROY J
61	12263	Water Right	Active	SPRING	LITTLE CANYON CK	4/4/2011	03S	10E	30	NWNWNE		0.02	10.3			STOCKWATER	HAMMETT LIVESTOCK CO

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES (IDWR)

MINIMUM ACCEPTABLE STANDARDS FOR OPEN CHANNEL AND CLOSED CONDUIT MEASURING DEVICES

The source and means of diversion of water, whether surface or ground water, generally affects the selection of a measuring device. Surface water sources such as streams, springs and waste channels are normally diverted into open channels (ditches or canals), but closed conduits (pipes or culverts) are also used. Ground water is usually diverted into pipes (which may also discharge into open channels).

Measuring devices when required by IDWR are to be installed at or near the point of diversion from the public water source.

I. MEASUREMENTS IN OPEN CHANNELS

The following discussion is applicable only to diversions from surface water sources. Measurement of a ground water diversion with an open channel measuring device must be pre-approved by the IDWR.

A. Standard Open Channel Measuring Devices

All open channel surface water diversions should be measured using one of the following standard open channel flow measuring devices commonly used in Idaho:

- **Weirs:** contracted or suppressed rectangular weirs, Cipolletti weir, 90 degree V-notch weir
- **Flumes:** Parshall flume, trapezoidal flume, ramped flume (ramped, broad-crested weir)
- **Submerged Orfices:** submerged rectangular orifice, constant head orifice
- **Acoustic:** acoustic Doppler flow meter (ADFM), acoustic Doppler current profiler

The installed flow rate accuracy of open channel measurement devices must be +/- 10.0% as compared to an acceptable open channel current meter or other standard portable measuring devices such as an acoustic Doppler flow meter or acoustic Doppler current profiler.

Construction, installation and operation of these devices should follow published guidelines, such as those published by the United States Bureau of Reclamation[1]

B. Non-standard open channel devices: Rated Structures or Rated Sections

Any weir, flume, or other measuring device that has not been constructed, installed, or maintained correctly and therefore does not measure flow in the standard manner consistent with standard rating tables or curves is considered to be a non-standard device. IDWR may authorize the use of non-standard devices and rated sections provided the device or section is rated or calibrated against a set of flow measurements using an acceptable open channel current meter or standard portable open channel measuring device. Examples of standard portable open channel measuring devices include the acoustic Doppler flow meter, the acoustic Doppler current profiler, or a portable flume. These devices are acceptable provided they are installed and operated according to all relevant manufacturer recommendations.

Further information and requirements are available from IDWR upon request.

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[1] The Bureau of Reclamation measurement guidelines can be found at;
http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/PDFs/BoR_WMM_%202001revision.pdf

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II. CLOSED CONDUIT MEASURING DEVICES

The following discussion is applicable to measurement of diversions from any water source that diverts via a full-flowing, closed conduit.

A. Standard Closed Conduit Measuring Devices

A certified meter is required on new installations of measuring devices for closed conduit or pipe line diversions. A certified meter is a model of flow meter that has participated in independent third party testing and has been approved by IDWR for use. IDWR has published a list of meters that have participated in independent third party testing[2] and have been certified for use where the installation configuration and application meet manufacturer's requirements. Tests were conducted for both accuracy and repeatability on all submitted models, and a pass/fail rating awarded. A list of these meters may be found at:

http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/PDFs/Approved_flow_meter_list.pdf.

Owners or operators who install a certified meter without the minimum manufacturer spacing requirements, or otherwise inconsistent with manufacturer's specifications, may need to provide an adequate testing section of straight pipe located somewhere on the diversion system either upstream or downstream of the installed flow meter. This testing section can be excavated pipeline as long as the section of pipe carries all water being measured through the installed flow meter. Water users choosing to expose pipe will be required to excavate the pipe at their expense at the request of the district hydrographer, watermaster and/or IDWR staff.

B. Non-standard Closed Conduit Measuring Devices: Requests for Variance

In some cases, site conditions preclude use of a certified meter, and another meter or method of measurement will produce similarly accurate results. In cases where the user can show that a proposed alternative meter or method would be as accurate as, or otherwise is better suited to an application than any of the meters on the approved list, a user can propose using an alternative meter or method by submitting a Request for Variance Form, available from IDWR. If a request is submitted and granted, the water user bears the risk that the alternative meter or method will perform as expected.

The following alternate measurement methods may be considered:

- Development of a Power Consumption Coefficient (PCC), which is a ratio of power usage to water withdrawal. Acceptance of the PCC method may be provided *for qualifying irrigation diversions only*;
- Use of an hour meter (time clock) *for qualifying diversions only*;
- Use of an acceptable flow meter that was installed *prior to the date of the measurement order*;
- *For irrigation diversions only,* use of an acceptable non-certified flow meter where it can be shown that installation of a certified flow meter would be burdensome or ineffective.

If a meter is already installed, that meter may be used if the meter is field-tested by IDWR staff, the water district watermaster, or a district hydrographer using a portable standard flow meter and upon a determination that the meter is installed properly and accurate to within ±10% of actual rate of flow and volume. If a non-certified meter is approved and installed but does not pass a field check, IDWR may require the water user to replace the meter with a certified meter at the water user's expense.

If an alternative method is approved and that method is later found to be insufficient, the variance will be withdrawn and a certified meter will be required to be installed. The suitability of any pumping station for an hour meter or the PCC method of measurement will be based on criteria found in this document and in the document entitled *IDWR ESPA Water Measurement and Reporting Guidelines*[3].

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[2] Testing was conducted at the Utah Water Research Laboratory (UWRL), a National Institute of Standards and Technology (NIST) traceable lab in Logan, Utah.

[3] This document can be found at: http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/PDFs/IDWRESPA_WaterMeasurement_ReportingGuidlines.pdf

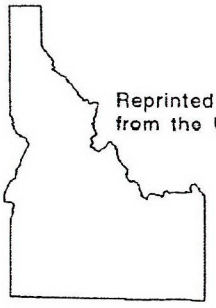
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Bulletin No. 552
February 1976

WATER MEASUREMENT

Dorrell C. Larsen

COOPERATIVE EXTENSION SERVICE
University of Idaho
College of Agriculture



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The University of Idaho College of Agriculture Bulletin No. 552 has been reprinted to provide a general reference of water measurement devices commonly used in Idaho and to provide supplemental material for a water measurement video sponsored jointly by the US Bureau of Reclamation, the Idaho Department of Water Resources and the Idaho Water Users Association. Excerpts from other publications have been added for several measuring structures which are shown in the video but not covered in the University of Idaho Bulletin.

Copies of the video, "Let's Measure Up", may be obtained through the Idaho Water Users Association. The sponsors' directory is included in the manual.

Issued in furtherance of cooperative extension work in agriculture and home economics, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, James L. Graves, Director of Cooperative Extension Service, University of Idaho, Moscow, Idaho 83843. We offer our programs and facilities to all people without regard to race, creed, color, sex, or national origin.

WATER MEASUREMENT

By D.C. LARSEN

Associate Extension Professor and Extension Irrigationist

Increasing demands from industry, recreational interests, municipal needs and agriculture are creating pressures on water, a very important and limited resource. The greater the demand, the greater the need for water users to use and share available water wisely. How can a user practice good management unless he knows the amount of water involved? Measuring water will help every user get his fair share and be treated equally.

In today's world good performance is demanded. In the quest for protection of the environment, water measurement will help reduce excessive waste and lessen drainage problems. It will establish a record of improved use and improve public relations.

Water is measured in two ways — in motion and at rest. Motion units used are Idaho miner's inches, gallons per minute and cubic feet per second. Rest units are acre-inches or acre-feet. These water measurement units are compared in Table 1. The depth of water applied in 12 or 24 hours by various stream sizes is shown in Table 2 for different acreages.

Table 1. Equivalent rates of flow.

Cubic feet per second (cfs)	Idaho Miner's inches	Gallons per minute (gpm)	Acre-inches per hour	Acre-feet per day (24 hours)
0.2	10	90	0.2	0.4
0.4	20	180	0.4	0.8
0.6	30	270	0.6	1.2
0.8	40	360	0.8	1.6
1.0	50	450	1.0	2.0
1.2	60	540	1.2	2.4
1.4	70	630	1.4	2.8
1.6	80	720	1.6	3.2
1.8	90	810	1.8	3.6
2.0	100	900	2.0	4.0
2.2	110	990	2.2	4.4
2.4	120	1080	2.4	4.8
2.6	130	1170	2.6	5.2
2.8	140	1260	2.8	5.6
3.0	150	1350	3.0	6.0
3.2	160	1440	3.2	6.4
3.4	170	1530	3.4	6.8
3.6	180	1620	3.6	7.2
3.8	190	1710	3.8	7.6
4.0	200	1800	4.0	8.0
5.0	250	2250	5.0	10.0
6.0	300	2700	6.0	12.0
7.0	350	3150	7.0	14.0
8.0	400	3600	8.0	16.0
9.0	450	4050	9.0	18.0
10.0	500	4500	10.0	20.0

Table 2. Depths of water applied by various flows, times and acres.

Water flow			Acres Applied									
			1		2		3		4		5	
Cubic ft per second	Idaho Miner's inches	gal per min	12 h	24 h	12 h	24 h	12 h	24 h	12 h	24 h	12 h	24 h
			Inches		Inches		Inches		Inches		Inches	
0.10	5	45	1.19	2.38	0.60	1.19	0.40	0.79	0.30	0.60	0.24	0.48
0.20	10	90	2.38	4.75	1.19	2.38	0.79	1.59	0.60	1.19	0.48	0.95
0.40	20	180	4.75	9.52	2.38	4.76	1.59	3.17	1.19	2.38	0.95	1.90
0.60	30	270	7.14	14.28	3.57	7.14	2.38	4.76	1.79	3.57	1.43	2.86
0.80	40	360	9.52	19.04	4.76	9.52	3.17	6.35	2.38	4.76	1.90	3.81
1.00	50	450	11.90	23.80	5.95	11.90	3.97	7.93	2.98	5.95	2.38	4.76
1.20	60	540	14.28	28.56	7.14	14.28	4.76	9.52	3.57	7.14	2.86	5.71
1.40	70	630	16.66	33.32	8.33	16.66	5.55	11.11	4.17	8.33	3.33	6.66
1.60	80	720	19.04	38.08	9.52	19.04	6.35	12.69	4.76	9.52	3.81	7.62
1.80	90	810	21.42	42.84	10.71	21.42	7.14	14.28	5.36	10.71	4.28	8.57
2.00	100	900	23.80	47.60	11.90	23.80	7.93	15.87	5.95	11.90	4.76	9.52
2.20	110	990							6.55	13.09	5.24	10.47
2.40	120	1080							7.14	14.28	5.71	11.42
2.60	130	1170							7.74	15.47	6.19	12.38
2.80	140	1260							8.33	16.66	6.66	13.33
3.00	150	1350							8.93	17.85	7.14	14.28

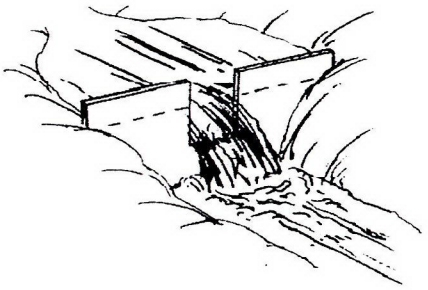
Table 2 (Continued). Depth of water applied by various flows, time and acres.

Water flow			Acres Applied									
			6		7		8		9		10	
Cubic ft per second	Idaho Miner's inches	gal per min	12 h	24 h	12 h	24 h	12 h	24 h	12 h	24 h	12 h	24 h
			Inches		Inches		Inches		Inches		Inches	
0.10	5	45	0.20	0.40	0.17	0.34	0.15	0.30	0.13	0.26	0.12	0.24
0.20	10	90	0.40	0.79	0.34	0.68	0.30	0.60	0.26	0.53	0.24	0.48
0.40	20	180	0.79	1.59	0.68	1.36	0.60	1.19	0.53	1.06	0.48	0.95
0.60	30	270	1.19	2.38	1.02	2.04	0.89	1.79	0.79	1.59	0.71	1.43
0.80	40	360	1.59	3.17	1.36	2.72	1.19	2.38	1.06	2.12	0.95	1.90
1.00	50	450	1.98	3.97	1.70	3.40	1.49	2.98	1.32	2.64	1.19	2.38
1.20	60	540	2.38	4.76	2.04	4.08	1.79	3.57	1.59	3.17	1.43	2.86
1.40	70	630	2.78	5.55	2.38	4.76	2.08	4.17	1.85	3.70	1.67	3.33
1.60	80	720	3.17	6.35	2.72	5.44	2.38	4.76	2.12	4.23	1.90	3.81
1.80	90	810	3.57	7.14	3.06	6.12	2.68	5.36	2.38	4.76	2.12	4.28
2.00	100	900	3.97	7.93	3.40	6.80	2.98	5.95	2.64	5.29	2.38	4.75
2.20	110	990	4.36	8.73	3.74	7.48	3.27	6.55	2.91	5.82	2.62	5.24
2.40	120	1080	4.76	9.52	4.08	8.16	3.57	7.14	3.17	6.35	2.86	5.71
2.60	130	1170	5.16	10.31	4.42	8.84	3.87	7.74	3.44	6.88	3.09	6.19
2.80	140	1260	5.55	11.11	4.76	9.52	4.17	8.33	3.70	7.40	3.33	6.66
3.00	150	1350	5.95	11.90	5.10	10.20	4.46	8.93	3.97	7.93	3.57	7.14

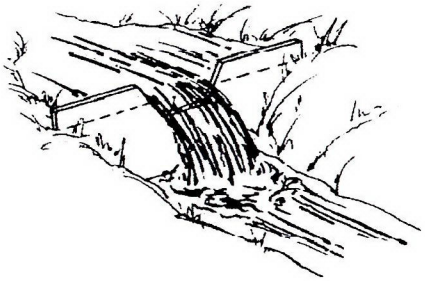
Water is conveyed in both open channels and closed conduits. This bulletin will consider some of the standard water measuring devices designed to operate under open and closed flow conditions.

OPEN FLOW

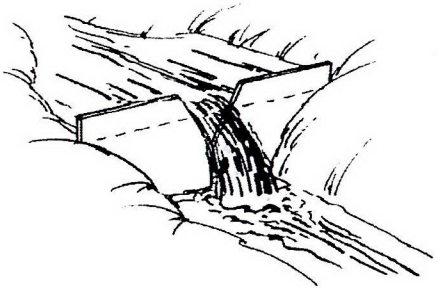
Idaho has many miles of open canals and ditches. On-farm conveyance and distribution systems equipped with measuring devices will improve water distribution and make the irrigation job much easier.



Rectangular weir



Cipolletti weir



V-notch weir

Fig. I. Three types of weirs used in Idaho.

Weirs

A weir is an over-pour notch of fixed dimensions in a vertical bulkhead or head wall through which water may flow. When properly constructed, installed and maintained, it provides a simple and accurate means of measuring water. Weirs are easy to construct and accurate if dimensions are followed carefully. They will handle floating trash and not clog easily.

Every water-measuring device has a set of standard operating conditions that must be met if it is to be accurate. If these conditions cannot be met at a given site, another measuring device should be used. A weir requires approximately a 6-inch drop between the upstream and downstream water surfaces. This loss in head is often not available in ditches with flat grades. The water must approach the weir crest very slowly. This condition is achieved by backing the water up in a weir pond with a bulkhead or head wall.

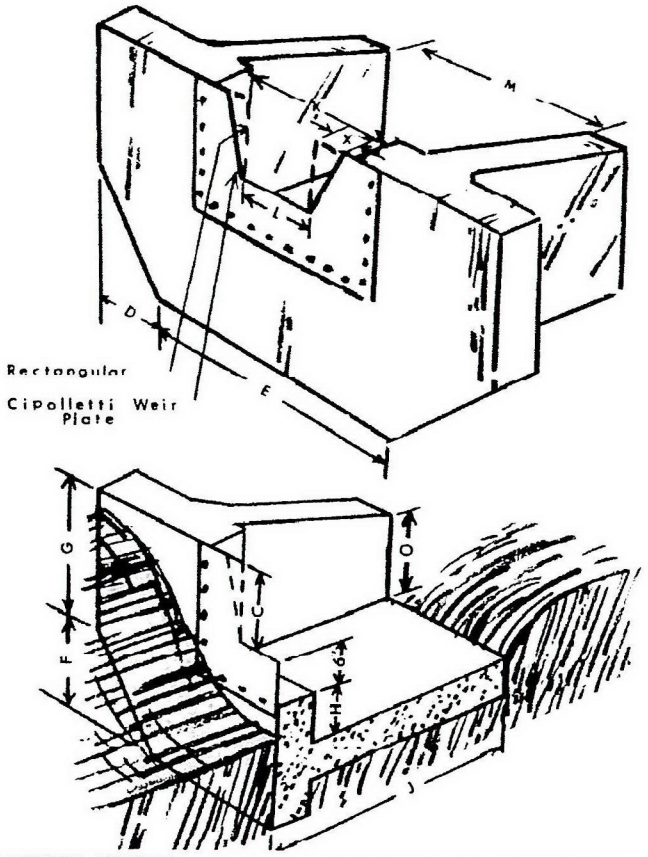
If the water is carrying silt it may settle out and fill the weir pond. This causes the approach velocity of the water to increase and the device becomes inaccurate. Grass and weeds thrive in the slow water and the weir pond requires maintenance to keep it free of silt and weeds.

Commonly used weirs, classified by the shape of the notch, are the rectangular weir, the Cipolletti weir, and the V-notch weir as illustrated in Fig. 1.

How to Install a Weir

A weir can perform accurately only if correctly constructed, installed and used. The following standard conditions must be followed:

1. Set the weir in a channel that is straight for a distance upstream from the weir of at least 10 times the weir crest length.
2. Place the weir at right angles to the direction of flow, and vertical.
3. The water approaching the weir should be free from eddies and flow slower than one-half foot per second. A weir pond can be created by the way the structure is built. The height of the crest above the bottom of the ditch should be at least twice the maximum head or depth of water flowing over the crest. The distance from the side of the weir notch to the side of the channel should be at least twice the maximum weir head. This is called a contracted weir. A bulkhead of the above proportions is used with a metal weir plate fastened to it.
4. Avoid backing the water up on the downstream side of the weir. Water must flow freely below the device, leaving an air space under the over-falling sheet of water. A concrete or rock apron should be used to prevent washing below the structure.
5. The weir plate containing the notch is usually made of steel plate no thicker than 1/8 inch. It must have exact dimensions and its edges must be rigid, straight and sharp on the upstream face. The notch should be beveled at 45 degrees on the downstream side. Avoid knife edges as they are difficult to maintain. The weir crest should be level and very accurate in length.
6. Select the crest size so the minimum head to be measured exceeds 2 inches and the maximum head is not greater than one-third the length of the weir.



Crest length L ft.	Recommended range of measurement in C.f.s. Rectangular	Cipolletti	C=H ft-in	D ft-in	E ft-in	F ft-in	G ft-in	J ft-in	K ft-in	M ft-in	N ft-in	O ft-in	X in
					Symbol dimensions								
					For Rectangular and Cipolletti Weirs								
1.0	.2 to .6	.2 to .6	8	0	5-8	0	2-7	3	2	2-6	10	1-4	2
1.5	.3 to 1.7	.3 to 1.8	1	1-4	4-6	1-4	2	3-6	2-6	3	10	1-4	3
2.0	.4 to 3.5	.4 to 3.7	1-2	2	5	2	2	4	3	3-6	1	1-6	3½
3.0*	.6 to 9.5	.6 to 10.0	1-6	2-6	7	2-6	2-6	4-6	4-4	5	1-6	2	4½
4.0*	.8 to 19.5	.9 to 20.7	2	3-10	8-4	3-10	2-10	5	5-6	6	2	2-6	6
					For 90° V-Notch Weirs								
2.0	.02 to 1.5		1	1-6	5	1-6	2-8	3-6	2-6	3	10	1-4	
3.0*	.02 to 4.0		1-6	2-2	6-2	2-2	3-4	4	3-6	4	1	1-6	

*Use 6" x 6" No. 12 wire mesh reinforcing or equivalent.

Fig. 2. Dimensions and capacities for Rectangular, Cipolletti and 90-degree V-notch weirs.

How to Measure

The water surface as it flows over the crest is drawn down as velocity increases. For this reason any measurement at or on the crest is not as accurate as the methods described below.

Drive a 2 x 2-inch flat-topped stake in the ground in the weir pool upstream from the crest a distance of 4 times the maximum head. Place the stake to one side in still water out of the way but readily accessible for taking readings. Use a carpenter's level or an engineer's level to set the top of the stake at the same height as the crest of the weir. The depth of flow is measured from the top of the stake to the surface of the water above it. In Idaho, frost will probably heave the stake out of place so that it would have to be re-set and maintained annually to keep the top at the same level as the weir crest.

An observation well (equipped with a staff guage) next to the weir head wall and fed by a pipe from the weir pond will refine the reading.

Water depth may be measured on a bulkhead wide enough so the gauge can be attached to it in smooth water and be unaffected by the drawdown over the crest. The gauge should be at least 1 to 1½ feet away from the side of the notch. Place the zero on the staff gauge at the same height as the crest.

A **rectangular weir** is the simplest to construct. Its crest is horizontal and its sides perpendicular. Table 3 gives the discharges over various widths of rectangular weirs with complete contractions.

The **Cipolletti weir** (named after its inventor, Cesare Cipolletti, an Italian engineer) is used most in Idaho because it will measure slightly more water than a rectangular weir with the same crest length. It is more difficult to construct. The sides diverge outwardly at a 1 to 4 slope (1 inch horizontally to 4 inches vertically). The discharges for various widths of Cipolletti weirs with contractions are shown in Table 4.

The **V-notch weir** is designed to handle small flows accurately. A 90-degree angle or V-notch can be laid out very easily using a carpenter's square. Discharge tables for the V-notch with complete contractions are shown in Table 5. Construction details and dimensions for the weirs mentioned above are illustrated in Fig. 2.

Table 3. Flow over rectangular contracted weirs in cubic feet per second*.

Head in ft. "H"	Head in inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 feet	2.0 feet	3.0 feet	4.0 feet	
		Flow in cubic feet per second					
0.10	1-3/16	0.105	0.158	0.212	0.319	0.427	0.108
0.11	1-5/16	0.121	0.182	0.244	0.367	0.491	0.124
0.12	1-7/16	0.137	0.207	0.277	0.418	0.559	0.141
0.13	1-9/16	0.155	0.233	0.312	0.470	0.629	0.159
0.14	1-11/16	0.172	0.260	0.348	0.524	0.701	0.177
0.15	1-13/16	0.191	0.288	0.385	0.581	0.776	0.196
0.16	1-15/16	0.210	0.316	0.423	0.638	0.854	0.216
0.17	2-1/16	0.229	0.346	0.463	0.698	0.934	0.236
0.18	2-3/16	0.249	0.376	0.504	0.760	1.02	0.257
0.19	2-1/4	0.270	0.407	0.546	0 823	1.10	0.278
0.20	2-3/8	0.291	0.439	0.588	0.887	1.19	0.303
0.21	2-1/2	0.312	0.472	0.632	0.954	1.28	0.326
0.22	2-5/8	0.335	0.505	0.677	1.02	1.37	0.35
0.23	2-3/4	0.358	0.539	0.723	1.09	1.46	0.37
0.24	2-7/8	0.380	0.574	0.769	1.16	1.55	0.39
0.25	3	0.404	0.609	0.817	1.23	1.65	0.42
0.26	3-1/8	0.428	0.646	0.865	1.31	1.75	0.44
0.27	3-1/4	0.452	0.682	0.914	1.38	1.85	0.47
0.28	3-3/8	0.477	0.720	0.965	1.46	1.95	0.49
0.29	3-1/2	0.502	0.758	1.02	1.53	2.05	0.52
0.30	3-5/8	0.527	0.796	1.07	1.61	2.16	0.55
0.31	3-3/4	0.553	0.836	1.12	1.69	2.26	0.57
0.32	3-13/16	0.580	0.876	1.18	1.77	2.37	0.60
0.33	3-15/16	0.606	0.916	1.23	1.86	2.48	0.62
0.34	4-1/16	0.634	0.957	1.28	1.94	2.60	0.66
0.35	4-3/16	0.661	0.999	1.34	2.02	2.71	0.69
0.36	4-5/16	0.688	1.04	1.40	2.11	2.82	0.71
0.37	4-7/16	0.717	1.08	1.45	2.20	2.94	0.74
0.38	4 9/16	0.745	1.13	1.51	2 28	3.06	0 78
0.39	4-11/16	0.774	1.17	1.57	2.37	3.18	0.81
0.40	4-13/16	0.804	1.21	1.63	2.46	3.30	0.84
0.41	4-15/16	0.833	1.26	1.69	2.55	3.42	0.87
0.42	5-1/16	0.863	1.30	1.75	2.65	3.54	0.89
0.43	5-3/16	0.893	1.35	1.81	2.74	3.67	0.93
0.44	5-1/4	0.924	1.40	1.88	2.83	3.80	0.97
0.45	5-3/8	0.955	1.44	1.94	2.93	3.93	1.00
0.46	5-1/2	0.986	1.49	2.00	3.03	4.05	1.02
0.47	5-5/8	1.02	1.54	2.07	3.12	4.18	1 06
0.48	5-3/4	1.05	1.59	2.13	3.22	4.32	1.10
0.49	5-7/8	1.08	1.64	2.20	3.32	4.45	1.13
0.50	6	1.11	1.68	2.26	3.42	4.58	1.16
0.51	6-1/8	1.15	1.73	2.33	3.52	4.72	1.20
0.52	6-1/4	1.18	1.78	2.40	3.62	4.86	1.24
0.53	6-3/8	1.21	1.84	2.46	3.73	4.99	1.26
0.54	6-1/2	1.25	1.89	2.53	3.83	5.13	1.30
0.55	6-5/8	1.28	1.94	2.60	3.94	5.27	1.33
0.56	6-3/4	1.31	1.99	2.67	4.04	5.42	1.38
0.57	6-13/16	1.35	2.04	2.74	4.15	5.56	1.41
0.58	6-15/16	1.38	2.09	2.81	4.26	5.70	1.44
0.59	7-1/16	1.42	2.15	2.88	4.36	5.85	1.49

*Computed from Cone's formula: $Q = 3.247\ LH^{1.48}\ \frac{0.566L^{1.8}}{1+2L^{1.3}}\ H^{1.9}$

Table 3 (Continued). Flow over rectangular contracted weirs.

Head in ft. "H"	Head in inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 feet	2.0 feet	3.0 feet	4.0 feet	
		Flow in cubic feet per second					
0.60	7-3/16	1.45	2.20	2.96	4.47	6.00	1.53
0.61	7-5/16	1.49	2.25	3.03	4.59	6.14	1.55
0.62	7-7/16	1.52	2.31	3.10	4.69	6.29	1.60
0.63	7-9/16	1.56	2.36	3.17	4.81	6.44	1.63
0.64	7-11/16	1.60	2.42	3.25	4.92	6.59	1.67
0.65	7-13/16	1.63	2.47	3.32	5.03	6.75	1.72
0.66	7-15/16	1.67	2.53	3.40	5.15	6.90	1.75
0.67	8-1/16	1.71	2.59	3.47	5.26	7.05	1.79
0.68	8-3/16	1.74	2.64	3.56	5.38	7.21	1.83
0.69	8-1/4	1.78	2.70	3.63	5.49	7.36	1.87
0.70	8-3/8	1.82	2.76	3.71	5.61	7.52	1.91
0.71	8-1/2	1.86	2.81	3.78	5.73	7.68	1.95
0.72	8-5/8	1.90	2.87	3.86	5.85	7.84	1.99
0.73	8-3/4	1.93	2.93	3.94	5.97	8.00	2.03
0.74	8-7/8	1.97	2.99	4.02	6.09	8.17	2.08
0.75	9	2.01	3.05	4.10	6.21	8.33	2.12
0.76	9-1/8	2.05	3.11	4.18	6.33	8.49	2.16
0.77	9-1/4	2.09	3.17	4.26	6.45	8.66	2.21
0.78	9-3/8	2.13	3.23	4.34	6.58	8.82	2.24
0.79	9-1/2	2.17	3.29	4.42	6.70	8.99	2.29
0.80	9-5/8	2.21	3.35	4.51	6.83	9.16	2.33
0.81	9-3/4	2.25	3.41	4.59	6.95	9.33	2.38
0.82	9-13/16	2.29	3.47	4.67	7.08	9.50	2.42
0.83	9-15/16	2.33	3.54	4.75	7.21	9.67	2.46
0.84	10-1/16	2.37	3.60	4.84	7.33	9.84	2.51
0.85	10-3/16	2.41	3.66	4.92	7.46	10.01	2.55
0.86	10-5/16	2.46	3.72	5.01	7.59	10.19	2.60
0.87	10-7/16	2.50	3.79	5.10	7.72	10.36	2.64
0.88	10-9/16	2.54	3.85	5.18	7.85	10.54	2.69
0.89	10-11/16	2.58	3.92	5.27	7.99	10.71	2.72
0.90	10-13/16	2.62	3.98	5.35	8.12	10.89	2.77
0.91	10-15/16	2.67	4.05	5.44	8.25	11.07	2.82
0.92	11-1/16	2.71	4.11	5.53	8.38	11.25	2.87
0.93	11 3/16	2.75	4.18	5.62	8.52	11.43	2.91
0.94	11-1/4	2.79	4.24	5.71	8.65	11.61	2.96
0.95	11-3/8	2.84	4.31	5.80	8.79	11.79	3.00
0.96	11-1/2	2.88	4.37	5.89	8.93	11.98	3.05
0.97	11-5/8	2.93	4.44	5.98	9.06	12.16	3.10
0.98	11-3/4	2.97	4.51	6.07	9.20	12.34	3.14
0.99	11-7/8	3.01	4.57	6.15	9.34	12.53	3.19
1.00	12	3.06	4.64	6.25	9.48	12.72	3.24
1.01	12-1/8		4.71	6.34	9.62	12.91	3.29
1.02	12 1/4		4.78	6.43	9.76	13.10	3.34
1.03	12-3/8		4.85	6.52	9.90	13.28	3.38
1.04	12-1/2		4.92	6.62	10.04	13.47	3.43
1.05	12-5/8		4.98	6.71	10.18	13.66	3.48
1.06	12-3/4		5.05	6.80	10.32	13.85	3.53
1.07	12-13/16		5.12	6.90	10.46	14.04	3.58
1.08	12-15/16		5.20	6.99	10.61	14.24	3.63
1.09	13-1/16		5.26	7.09	10.75	14.43	3.68

Table 3 (Continued). Flow over rectangular contracted weirs.

Head in ft. "H"	Head in inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 feet	2.0 feet	3.0 feet	4.0 feet	
		Flow in cubic feet per second					
1.10	13-3/16	5.34	7.19	10.90	14.64	3.74
1.11	13-5/16	5.41	7.28	11.04	14.83	3.79
1.12	13-7/16	5.48	7.38	11.19	15.03	3.84
1.13	13-9/16	5.55	7.47	11.34	15.22	3.88
1.14	13-11/16	5.62	7.57	11.48	15.42	3.94
1.15	13-13/16	5.69	7.66	11.64	15.62	3.98
1.16	13-15/16	5.77	7.76	11.79	15.82	4.03
1.17	14-1/16	5.84	7.86	11.94	16.02	4.08
1.18	14-3/16	5.91	7.96	12.09	16.23	4.14
1.19	14-1/4	5.98	8.06	12.24	16.43	4.19
1.20	14-3/8	6.06	8.16	12.39	16.63	4.24
1.21	14-1/2	6.13	8.26	12.54	16.83	4.29
1.22	14-5/8	6.20	8.35	12.69	17.03	4.34
1.23	14-3/4	6.28	8.46	12.85	17.25	4.40
1.24	14-7/8	6.35	8.56	12.99	17.45	4.46
1.25	15	6.43	8.66	13.14	17.65	4.51
1.26	15-1/8			13.30	17.87	4.57
1.27	15-1/4			13.45	18.07	4.62
1.28	15-3/8			13.61	18.28	4.67
1.29	15-1/2			13.77	18.50	4.73
1.30	15-5/8			13.93	18.71	4.78
1.31	15-3/4			14.09	18.92	4.82
1.32	15-13/16			14.24	19.12	4.88
1.33	15-15/16			14.40	19.34	4.94
1.34	16-1/16			14.56	19.55	4.99
1.35	16-3/16			14.72	19.77	5.05
1.36	16-5/16			14.88	19.98	5.10
1.37	16-7/16			15.04	20.20	5.16
1.38	16-9/16			15.20	20.42	5.22
1.39	16-11/16			15.36	20.64	5.28
1.40	16-13/16			15.53	20.86	5.33
1.41	16-15/16			15.69	21.08	5.39
1.42	17-1/16			15.85	21.29	5.44
1.43	17-3/16			16.02	21.52	5.50
1.44	17-1/4			16.19	21.74	5.55
1.45	17-3/8			16.34	21.96	5.62
1.46	17-1/2			16.51	22.18	5.67
1.47	17-5/8			16.68	22.41	5.73
1.48	17-3/4			16.85	22.64	5.79
1.49	17-7/8			17.01	22.85	5.84
1.50	18			17.17	23.08	5.91

Table 4. Flow over Cipolletti weirs in cubic feet per second.*

Head in ft. "H"	Head in inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 feet	2.0 feet	3.0 feet	4.0 feet	
		Flow in cubic feet per second					
0.10	1-3/16	0.107	0.160	0.214	0.321	0.429	0.108
0.11	1-5/16	0.123	0.185	0.246	0.370	0.494	0.124
0.12	1-7/16	0.140	0.210	0.280	0.421	0.562	0.141
0.13	1-9/16	0.158	0.237	0.316	0.474	0.632	0.159
0.14	1-11/16	0.177	0.264	0.352	0.528	0.706	0.177
0.15	1-13/16	0.195	0.293	0.390	0.586	0.782	0.196
0.16	1-15/16	0.216	0.322	0.430	0.644	0.860	0.216
0.17	2-1/16	0.237	0.353	0.470	0.705	0.941	0.236
0.18	2-3/16	0.258	0.384	0.512	0.768	1.024	0.257
0.19	2-1/4	0.280	0.417	0.555	0.832	1.110	0.278
0.20	2-3/8	0.302	0.450	0.599	0.898	1.20	0.302
0.21	2-1/2	0.324	0.484	0.644	0.966	1.29	0.324
0.22	2-5/8	0.349	0.519	0.691	1.04	1.38	0.35
0.23	2-3/4	0.374	0.555	0.739	1.11	1.47	0.37
0.24	2-7/8	0.397	0.591	0.786	1.18	1.57	0.39
0.25	3	0.423	0.628	0.836	1.25	1.67	0.42
0.26	3-1/8	0.449	0.667	0.886	1.33	1.77	0.44
0.27	3-1/4	0.475	0.705	0.937	1.40	1.87	0.47
0.28	3-3/8	0.502	0.745	0.990	1.48	1.97	0.49
0.29	3-1/2	0.529	0.785	1.04	1.56	2.08	0.52
0.30	3-5/8	0.557	0.827	1.10	1.64	2.19	0.55
0.31	3-3/4	0.586	0.869	1.15	1.73	2.30	0.57
0.32	3-13/16	0.615	0.911	1.21	1.81	2.41	0.60
0.33	3-15/16	0.644	0.954	1.27	1.89	2.52	0.62
0.34	4-1/16	0.675	1.00	1.32	1.98	2.64	0.66
0.35	4-3/16	0.705	1.04	1.38	2.07	2.75	0.69
0.36	4-5/16	0.735	1.09	1.44	2.16	2.87	0.71
0.37	4-7/16	0.767	1.13	1.50	2.25	2.99	0.74
0.38	4-9/16	0.799	1.18	1.57	2.34	3.11	0.78
0.39	4-11/16	0.832	1.23	1.63	2.43	3.24	0.81
0.40	4-13/16	0.866	1.28	1.69	2.53	3.36	0.84
0.41	4-15/16	0.899	1.32	1.76	2.62	3.49	0.87
0.42	5-1/16	0.932	1.37	1.82	2.72	3.61	0.89
0.43	5-3/16	0.967	1.42	1.89	2.81	3.74	0.93
0.44	5-1/4	1.00	1.47	1.95	2.91	3.87	0.97
0.45	5-3/8	1.04	1.53	2.02	3.01	4.01	1.00
0.46	5-1/2	1.07	1.58	2.09	3.11	4.14	1.02
0.47	5-5/8	1.11	1.63	2.16	3.21	4.28	1.06
0.48	5-3/4	1.15	1.68	2.23	3.32	4.41	1.10
0.49	5-7/8	1.18	1.74	2.30	3.42	4.55	1.13
0.50	6	1.22	1.79	2.37	3.53	4.69	1.16
0.51	6-1/8	1.26	1.85	2.44	3.64	4.83	1.20
0.52	6 1/4	1.30	1.90	2.51	3.74	4.97	1.24
0.53	6-3/8	1.34	1.96	2.59	3.85	5.12	1.26
0.54	6-1/2	1.38	2.02	2.66	3.96	5.26	1.30
0.55	6-5/8	1.42	2.07	2.74	4.07	5.41	1.33
0.56	6-3/4	1.46	2.13	2.81	4.18	5.56	1.38
0.57	6-13/16	1.50	2.19	2.89	4.30	5.71	1.41
0.58	6-15/16	1.54	2.25	2.97	4.41	5.86	1.44
0.59	7-1/16	1.58	2.31	3.05	4.53	6.01	1.49

*Computed from Cone's formula: $Q = 3.247\ L_1 H^{1.5} - \frac{0.566 L^{1.5}}{1\ 21.^{1.5}}\ H^{1.5} + 0.609\ H^{2.5}$

Table 4 (Continued). Flow over Cipolletti weirs.

Head in ft. "H"	Head in inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 feet	2.0 feet	3.0 feet	4.0 feet	
		Flow in cubic feet per second					
0.60	7-3/16	1.62	2.37	3.13	4.64	6.17	1.53
0.61	7-5/16	1.67	2.43	3.20	4.76	6.32	1.55
0.62	7-7/16	1.71	2.49	3.28	4.88	6.47	1.60
0.63	7-9/16	1.75	2.55	3.37	5.00	6.63	1.63
0.64	7-11/16	1.80	2.62	3.45	5.12	6.79	1.67
0.65	7-13/16	1.84	2.68	3.53	5.24	6.95	1.72
0.66	7-15/16	1.89	2.75	3.61	5.36	7.11	1.75
0.67	8-1/16	1.93	2.81	3.70	5.48	7.28	1.79
0.68	8-3/16	1.98	2.87	3.79	5.61	7.44	1.83
0.69	8-1/4	2.02	2.94	3.87	5.73	7.61	1.87
0.70	8-3/8	2.07	3.01	3.95	5.86	7.77	1.91
0.71	8-1/2	2.12	3.07	4.04	5.99	7.94	1.95
0.72	8-5/8	2.16	3.14	4.13	6.12	8.11	1.99
0.73	8-3/4	2.21	3.21	4.22	6.24	8.28	2.03
0.74	8-7/8	2.26	3.28	4.31	6.38	8.45	2.08
0.75	9	2.31	3.35	4.40	6.51	8.62	2.12
0.76	9-1/8	2.36	3.42	4.49	6.64	8.80	2.16
0.77	9-1/4	2.41	3.49	4.58	6.77	8.97	2.21
0.78	9-3/8	2.46	3.56	4.67	6.90	9.15	2.24
0.79	9-1/2	2.51	3.63	4.76	7.04	9.33	2.29
0.80	9-5/8	2.56	3.70	4.85	7.18	9.51	2.33
0.81	9-3/4	2.61	3.77	4.95	7.31	9.69	2.38
0.82	9-13/16	2.66	3.84	5.04	7.45	9.87	2.42
0.83	9-15/16	2.71	3.92	5.14	7.59	10.05	2.46
0.84	10-1/16	2.77	3.99	5.23	7.73	10.23	2.51
0.85	10-3/16	2.82	4.07	5.33	7.87	10.42	2.55
0.86	10-5/16	2.87	4.14	5.43	8.01	10.60	2.60
0.87	10-7/16	2.93	4.22	5.52	8.15	10.79	2.64
0.88	10-9/16	2.98	4.29	5.62	8.30	10.98	2.69
0.89	10-11/16	3.04	4.37	5.72	8.44	11.17	2.72
0.90	10-13/16	3.09	4.45	5.82	8.59	11.36	2.77
0.91	10-15/16	3.15	4.53	5.92	8.73	11.55	2.82
0.92	11-1/16	3.20	4.60	6.02	8.88	11.74	2.87
0.93	11-3/16	3.26	4.68	6.13	9.03	11.94	2.91
0.94	11-1/4	3.32	4.76	6.23	9.17	12.13	2.96
0.95	11-3/8	3.37	4.84	6.33	9.32	12.33	3.00
0.96	11-1/2	3.43	4.92	6.44	9.48	12.53	3.05
0.97	11-5/8	3.49	5.00	6.55	9.62	12.72	3.10
0.98	11-3/4	3.55	5.09	6.64	9.78	12.92	3.14
0.99	11-7/8	3.61	5.17	6.75	9.93	13.12	3.19
1.00	12	3.67	5.25	6.86	10.08	13.32	3.24
1.01	12-1/8		5.33	6.96	10.24	13.53	3.29
1.02	12-1/4		5.42	7.07	10.40	13.73	3.34
1.03	12-3/8		5.50	7.18	10.55	13.94	3.38
1.04	12-1/2		5.59	7.29	10.71	14.15	3.43
1.05	12-5/8		5.67	7.40	10.87	14.35	3.48
1.06	12-3/4		5.76	7.51	11.03	14.56	3.53
1.07	12-13/16		5.84	7.62	11.18	14.76	3.58
1.08	12-15/16		5.93	7.73	11.35	14.98	3.63
1.09	13-1/16		6.02	7.84	11.51	15.19	3.68

Table 4 (Concluded). Flow over Cipolletti weirs.

Head in ft. "H"	Head in inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 feet	2.0 feet	3.0 feet	4.0 feet	
		Flow in cubic feet per second					
1.10	13-3/16	6.11	7.96	11.68	15.41	3.74
1.11	13-5/16	6.20	8.07	11.84	15.62	3.79
1.12	13-7/16	6.29	8.18	12.00	15.84	3.84
1.13	13-9/16	6.37	8.29	12.16	16.04	3.88
1.14	13-11/16	6.46	8.41	12.33	16.26	3.94
1.15	13-13/16	6.56	8.53	12.50	16.48	3.98
1.16	13-15/16	6.65	8.65	12.67	16.70	4.03
1.17	14-1/16	6.74	8.76	12.84	16.93	4.08
1.18	14-3/16	6.83	8.88	13.01	17.15	4.14
1.19	14-1/4	6.93	9.00	13.18	17.37	4.19
1.20	14-3/8	7.02	9.12	13.35	17.59	4.24
1.21	14-1/2	7.11	9.24	13.52	17.81	4.29
1.22	14-5/8	7.20	9.36	13.69	18.03	4.34
1.23	14-3/4	7.30	9.48	13.87	18.27	4.40
1.24	14-7/8	7.40	9.60	14.04	18.49	4.46
1.25	15	7.49	9.72	14.21	18.71	4.51
1.26	15-1/8			14.39	18.95	4.57
1.27	15-1/4			14.56	19.17	4.62
1.28	15-3/8			14.74	19.41	4.67
1.29	15-1/2			14.92	19.65	4.73
1.30	15-5/8			15.11	19.88	4.78
1.31	15-3/4			15.29	20.12	4.82
1.32	15-13/16			15.46	20.34	4.88
1.33	15-15/16			15.64	20.58	4.94
1.34	16-1/16			15.82	20.82	4.99
1.35	16-3/16			16.01	21.06	5.05
1.36	16-5/16			16.19	21.29	5.10
1.37	16-7/16			16.37	21.53	5.16
1.38	16-9/16			16.57	21.78	5.22
1.39	16-11/16			16.75	22.02	5.28
1.40	16-13/16			16.94	22.27	5.33
1.41	16-15/16			17.13	22.51	5.39
1.42	17-1/16			17.31	22.75	5.44
1.43	17-3/16			17.51	23.01	5.50
1.44	17-1/4			17.70	23.26	5.55
1.45	17-3/8			17.89	23.50	5.62
1.46	17-1/2			18.08	23.75	5.67
1.47	17-5/8			18.28	24.01	5.73
1.48	17-3/4			18.47	24.26	5.79
1.49	17-7/8			18.66	24.50	5.84
1.50	18			18.85	24.75	5.91

Table 5. Flow over 90° V-notch weirs in cubic feet per second.*

Head H		Discharge Q	Head H		Discharge Q	Head H		Discharge Q
Feet or Inches		Sec-feet	Feet or Inches		Sec-feet	Feet or Inches		Sec-feet
.10	1-3/16	0.008	.50	6	0.445	.90	10-13/16	1.92
.11	1-5/16	0.010	.51	6-1/8	0.468	.91	10-15/16	1.97
.12	1-7/16	0.012	.52	6-1/4	0.491	.92	11-1/16	2.02
.13	1-9/16	0.016	.53	6-3/8	0.515	.93	11-3/16	2.08
.14	1-11/16	0.019	.54	6-1/2	0.539	.94	11-1/4	2.13
.15	1-13/16	0.022	.55	6-5/8	0.564	.95	11-3/8	2.19
.16	1-15/16	0.026	.56	6-3/4	0.590	.96	11-1/2	2.25
.17	2-1/16	0.031	.57	6-13/16	0.617	.97	11-5/8	2.31
.18	2-3/16	0.035	.58	6-15/16	0.644	.98	11-3/4	2.37
.19	2-1/4	0.040	.59	7-1/16	0.672	.99	11-7/8	2.43
.20	2-3/8	0.046	.60	7-3/16	0.700	1.00	12	2.49
.21	2-1/2	0.052	.61	7-5/16	0.730	1.01	12-1/8	2.55
.22	2-5/8	0.058	.62	7-7/16	0.760	1.02	12-1/4	2.61
.23	2-3/4	0.065	.63	7-9/16	0.790	1.03	12-3/8	2.68
.24	2-7/8	0.072	.64	7-11/16	0.822	1.04	12-1/2	2.74
.25	3	0.080	.65	6-13/16	0.854	1.05	12-5/8	2.81
.26	3-1/8	0.088	.66	7-15/16	0.887	1.06	12-3/4	2.87
.27	3-1/4	0.096	.67	8-1/16	0.921	1.07	12-13/16	2.94
.28	3-3/8	0.106	.68	8-3/16	0.955	1.08	12-15/16	3.01
.29	3-1/2	0.115	.69	8-1/4	0.991	1.09	13-1/16	3.08
.30	3-5/8	0.125	.70	8-3/8	1.03	1.10	13-3/16	3.15
.31	3-3/4	0.136	.71	8-1/2	1.06	1.11	13-5/16	3.22
.32	3-13/16	0.147	.72	8-5/8	1.10	1.12	13-7/16	3.30
.33	3-15/16	0.159	.73	8-3/4	1.14	1.13	13-9/16	3.37
.34	4-1/16	0.171	.74	8-7/8	1.18	1.14	13-11/16	3.44
.35	4-3/16	0.184	.75	9	1.22	1.15	13-13/16	3.52
.36	4-5/16	0.197	.76	9-1/8	1.26	1.16	13-15/16	3.59
.37	4-7/16	0.211	.77	9-1/4	1.30	1.17	14-3/16	3.67
.38	4-9/16	0.225	.78	9-3/8	1.34	1.18	14-5/16	3.75
.39	4-11/16	0.240	.79	9-1/2	1.39	1.19	14-1/4	3.83
.40	4-13/16	0.256	.80	9-5/8	1.43	1.20	14-3/8	3.91
.41	4-15/16	0.272	.81	9-3/4	1.48	1.21	14-1/2	3.99
.42	5-1/16	0.289	.82	9-13/16	1.52	1.22	14-5/8	4.07
.43	5-3/16	0.306	.83	9-15/16	1.57	1.23	14-3/4	4.16
.44	5-1/4	0.324	.84	10-1/16	1.61	1.24	14-7/8	4.24
.45	5-3/8	0.343	.85	10-3/16	1.66	1.25	15	4.33
.46	5-1/2	0.362	.86	10-5/16	1.71			
.47	5-5/8	0.382	.87	10-7/16	1.76			
.48	5-3/4	0.403	.88	10-9/16	1.81			
.49	5-7/8	0.424	.89	10-11/16	1.86			

* Computed from Cones formula: $Q=2.49H^{2.48}$

Table 6.

Flumes

Flow measuring flumes are open-channel devices containing a specially-shaped constricted-throat section. They can be constructed from metal, concrete or fiberglass. Standard designs are available to measure water over a wide flow range. Two types are commonly used, Parshall and trapezoidal. Either can be made on the farm or purchased commercially.

Flumes can operate in a flat ditch and require a relatively small head loss. They are self-cleaning and do not require a pool upstream to reduce the approach velocity. Flumes can operate accurately over a wide range of flows. The velocity of water as it approaches the flume has little effect upon its operation. Unless submergence (water backing up in the throat) occurs, only one head measurement is required to obtain the correct flow. The pre-built flumes can easily be re-set in colder areas where the frost might heave them out each winter.

Flumes are relatively expensive when cast in place. Considerable care must be used in forming them to the correct shape and dimensions, such as throat width, drop and diverging sections and gauging wells. The size of the flume is determined by the throat width. For instance, a 6-inch flume would have a 6-inch throat width.

Parshall Flume

The Parshall flume, developed by Ralph Parshall at Colorado State University, is the oldest and most widely used flume. This flume is illustrated in Fig. 4. Dimensions and capacities for Parshall flumes ranging in size from 6 inches to 4 feet are shown in Fig. 5. Larger sizes are available.

How to Install

1. The direction of water flow must be "in line" with the structure. The flow should be reasonable smooth, free from turbulence and uniformly distributed across the channel.

2. The flume should be installed to operate under free flow conditions if possible. Free flow occurs when the elevation of the water surface near the downstream end of the throat section is not high enough to reduce flow due to water backing up in the throat.

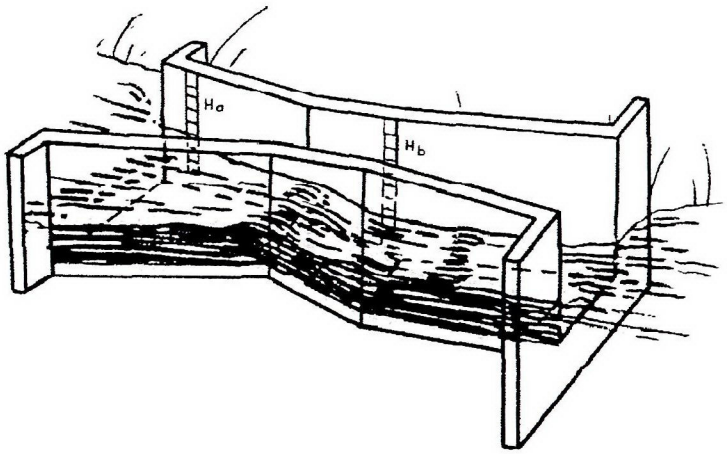


Fig. 4. Parshall measuring flume.

3. In most cases the flume is set with the floor (or crest) elevated above the ditch bottom to prevent excessive submergence. The amount to raise the flume corresponds to the head loss through the structure at about 70% submergence. The flume is set so the water elevation at H_A is higher than the normal tailwater downstream by an amount equal to the head loss. The head loss at 70-submergence is the difference between H_A and 0.7 times H_A or 0.3 H_A.

4. The floor of the converging section must be level both lengthwise and crosswise.

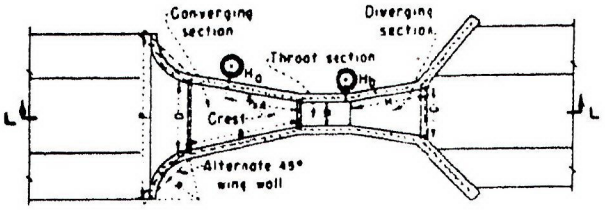
How to Measure

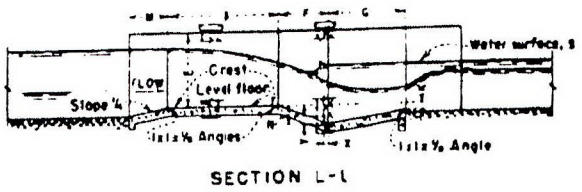
For free flow, one measurement of water depth at H_A is all that is required. Discharge tables are shown in Table 7.

A staff gauge attached to the inside wall at H_A will function for a depth measurement. The water surface here is often turbulent and a reading will be more accurate if a stilling well is installed with the zero of the gauge level with the crest of the flume.

The Parshall flume can be operated with a high degree of submergence — up to 70%. This means it will be accurate as long as the ratio H_B/H_A is less than 0.70. Below this figure only H_A need be measured.

When submergence or H_B/H_A is greater than 0.70 a correction must be made. To do this the discharge given by the water depth H_A is multiplied by the correction factor Q/Q_o for the degree of submergence and corresponding flume size shown in Fig. 6. This correction can reduce flow by a factor of up to 45%.





W	A	2/3 A	B	C	D	E	F	G	H	K	M	N	P	R	X	Y	Free-Flow Capacity Minimum	Free-Flow Capacity Maximum
Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Ft-In	Sec Ft	Sec Ft
						1 to												
0-3	1-6 3/8	1-1/4	1-6	0-7	3-10 3/16	1-6	0-6	1-0	1-5/32	0-1	-	0-2¾	-	-	0-1	0-1¾	0.03	1.13
0-6	2-7/16	1-45/16	2-0	1-3 1/2	1-3 5/8	2-0	1-0	2-0	-	0-3	1-0	0-4½	2-11 1/2	1-4	0-2	0-3	.05	3.9
0-9	2-10 5/8	1-11 1/8	2-10	1-3	1-10 5/8	2-6	1-0	1-6	-	0-3	1-0	0-4½	3-6 1/2	1-4	0-2	0-3	.09	8.9
1-0	4-6	3-C	4-4 7/E	2-0	2-9 1/4	3-0	2-0	3-0		0-3	1-3	0-9	4-10 3/4	1-8	0-2	0-3	.11	16.1
1-6	4-9	3-2	4-7 7/8	2-6	3-4 3/8	3-0	2-0	3-0		0-3	1-3	0-9	5-6	1-8	0-2	0-3	.15	24.6
2-0	5-0	3-4	4-10 7,8	3-0	3-11 1/2	3-0	2-0	3-0	-	0-3	1-3	0-9	6-1	1-8	0-2	0-3	.42	33.1
3-0	5-6	3-E	5-4 3/4	4-0	5-1 7/8	3-0	2-0	3-0	-	0-3	1-3	0-9	7-3 1/2	1-8	0-2	0-3	.61	50.4
4-0	6-0	4-E	5-10 5,8	5-0	6-4 1/4	3-0	2-0	3-0		0-3	1-6	0-9	8-10 3/4	2-0	0-2	0-3	1.3	67.9
5-0	6-6	4-4	6-4 1/2	6-0	7-6 5/8	3-0	2-0	3-0	-	0-3	1-6	0-9	10-1 1/4	2-0	0-2	0-3	1.6	85.6
6-0	7-0	4-8	6-10 3,8	7-0	8-9	3-0	2-0	3-0	-	0-3	1-6	0-9	11-3 1/2	2-0	0-2	0-3	2.6	103.5
7-0	7-6	5-C	7-4 1/4	8-0	9-11 3/8	3-0	2-0	3-0	-	0-3	1-6	0-9	12-6	2-0	0-2	0-3	3.0	121.4
8-0	8-0	5-4	7-10 1,8	9-0	11-1 3/4	3-0	2-0	3-0	-	0-3	1-6	0-9	13-8 1/4	2-0	0-2	0-3	3.5	139.5
10-0		6-C	14-0	12-0	15-7 1/4	4-0	3-0	6-0	-	0-6		1-1½			0-9	1-0	6	200

Fig. 5. Dimensions and capacities for Parshall measuring flume.

Table 7. Free flow through Parshall measuring flumes in cubic feet per second.

Head		Throat width							
Feet	Inches (approx.)	3"	6"	9"	1'	1.5'	2'	3'	4'
		(Flow in cubic feet per second)							
0.10	1-3/16	0.028	0.05	0.09	0.11	0.15			
0.11	1-5/16	0.033	0.06	0.10	0.12	0.18			
0.12	1-7/16	0.037	0.07	0.12	0.14	0.20			
0.13	1-9/16	0.042	0.08	0.14	0.16	0.24			
0.14	1-11/16	0.047	0.09		0.18	0.27			
0.15	1-13/16	0.053	0.10	0.17	0.20	0.30			
0.16	1-15/16	0.058	0.11	0.19	0.23	0.34			
0.17	2-1/16	0.064	0.12	0.20	0.26	0.38			
0.18	2-3/16	0.070	0.14	0.22	0.29	0.42			
0.19	2-1/4	0.076	0.15	0.24	0.32	0.46			
0.20	2-3/8	0.082	0.16	0.26	0.35	0.50	0.66	0.97	1.26
0.21	2-1/2	0.089	0.18	0.28	0.37	0.54	0.71	1.04	1.36
0.22	2-5/8	0.095	0.19	0.30	0.40	0.58	0.77	1.12	1.47
0.23	2-3/4	0.102	0.20	0.32	0.43	0.63	0.82	1.20	1.58
0.24	2-7/8	0.109	0.22	0.35	0.46	0.67	0.88	1.28	1.69
0.25	3	0.117	0.23	0.37	0.49	0.71	0.93	1.37	1.80
0.26	3-1/8	0.124	0.25	0.39	0.51	0.76	0.99	1.46	1.91
0.27	3-1/4	0.131	0.26	0.41	0.54	0.80	1.05	1.55	2.03
0.28	3-3/8	0.138	0.28	0.44	0.56	0.85	1.11	1.64	2.15
0.29	3-1/2	0.146	0.29	0.46	0.61	0.90	1.18	1.73	2.27
0.30	3-5/8	0.154	0.31	0.49	0.64	0.94	1.24	1.82	2.39
0.31	3-3/4	0.162	0.32	0.51	0.68	0.99	1.30	1.92	2.52
0.32	3-13/16	0.170	0.34	0.54	0.71	1.04	1.37	2.02	2.65
0.33	3-15/16	0.179	0.36	0.56	0.74	1.09	1.44	2.12	2.78
0.34	4-1/16	0.187	0.38	0.59	0.77	1.14	1.50	2.22	2.92
0.35	4-3/16	0.196	0.39	0.62	0.80	1.19	1.57	2.32	3.06
0.36	4-5/16	0.205	0.41	0.64	0.84	1.25	1.64	2.42	3.19
0.37	4-7/16	0.213	0.43	0.67	0.88	1.30	1.72	2.53	3.34
0.38	4-9/16	0.222	0.45	0.70	0.92	1.36	1.79	2.64	3.48
0.39	4-11/16	0.231	0.47	0.73	0.95	1.41	1.86	2.75	3.62
0.40	4-13/16	0.241	0.48	0.76	0.99	1.47	1.93	2.86	3.77
0.41	4-15/16	0.250	0.50	0.78	1.03	1.53	2.01	2.97	3.92
0.42	5-1/16	0.260	0.52	0.81	1.07	1.58	2.09	3.08	4.07
0.43	5-3/16	0.269	0.54	0.84	1.11	1.64	2.16	3.20	4.22
0.44	5-1/4	0.279	0.56	0.87	1.15	1.70	2.24	3.32	4.38
0.45	5-3/8	0.289	0.58	0.90	1.19	1.76	2.32	3.44	4.54
0.46	5-1/2	0.299	0.61	0.94	1.23	1.82	2.40	3.56	4.70
0.47	5-5/8	0.309	0.63	0.97	1.27	1.88	2.48	3.68	4.86
0.48	5-3/4	0.319	0.65	1.00	1.31	1.94	2.57	3.80	5.03
0.49	5-7/8	0.329	0.67	1.03	1.35	2.00	2.65	3.92	5.20
0.50	6	0.339	0.69	1.06	1.39	2.06	2.73	4.05	5.36
0.51	6-1/8	0.350	0.71	1.10	1.44	2.13	2.82	4.18	5.53
0.52	6-1/4	0.361	0.73	1.13	1.48	2.19	2.90	4.31	5.70
0.53	6-3/8	0.371	0.76	1.16	1.52	2.25	2.99	4.44	5.88
0.54	6-1/2	0.382	0.78	1.20	1.57	2.32	3.08	4.57	6.05
0.55	6-5/8	0.393	0.80	1.23	1.62	2.39	3.17	4.70	6.23
0.56	6-3/4	0.404	0.82	1.26	1.66	2.45	3.26	4.84	6.41
0.57	6-13/16	0.415	0.85	1.30	1.70	2.52	3.35	4.98	6.59
0.58	6-15/16	0.427	0.87	1.33	1.75	2.59	3.44	5.11	6.77
0.59	7-1/16	0.438	0.89	1.37	1.80	2.66	3.53	5.25	6.96

Table 7 (Continued). Free flow through Parshall measuring flumes in cubic feet per second.

Head		Throat width							
Feet	Inches (approx.)	3"	6"	9"	1'	1.5'	2'	3'	4'
		(Flow in cubic feet per second)							
0.60	7-3/16	0.450	0.92	1.40	1.84	2.73	3.62	5.39	7.15
0.61	7-5/16	0.462	0.94	1.44	1.88	2.80	3.72	5.53	7.34
0.62	7-7/16	0.474	0.97	1.48	1.93	2.87	3.81	5.68	7.53
0.63	7-9/16	0.485	0.99	1.51	1.98	2.95	3.91	5.82	7.72
0.64	7-11/16	0.497	1.02	1.55	2.03	3.02	4.01	5.97	7.91
0.65	7-13/16	0.509	1.04	1.59	2.08	3.09	4.11	6.12	8.11
0.66	7-15/16	0.522	1.07	1.63	2.13	3.17	4.20	6.26	8.31
0.67	8-1/16	0.534	1.10	1.66	2.18	3.24	4.30	6.41	8.51
0.68	8-3/16	0.546	1.12	1.70	2.23	3.31	4.40	6.56	8.71
0.69	8-1/4	0.558	1.15	1.74	2.28	3.39	4.50	6.71	8.91
0.70	8-3/8	0.571	1.17	1.78	2.33	3.46	4.60	6.86	9.11
0.71	8-1/2	0.584	1.20	1.82	2.38	3.54	4.70	7.02	9.32
0.72	8-5/8	0.597	1.23	1.86	2.43	3.62	4.81	7.17	9.53
0.73	8-3/4	0.610	1.26	1.90	2.48	3.69	4.91	7.33	9.74
0.74	8-7/8	0.623	1.28	1.94	2.53	3.77	5.02	7.49	9.95
0.75	9		1.31	1.98	2.58	3.85	5.12	7.65	10.2
0.76	9-1/8		1.34	2.02	2.63	3.93	5.23	7.81	10.4
0.77	9-1/4		1.36	2.06	2.68	4.01	5.34	7.97	10.6
0.78	9-3/8		1.39	2.10	2.74	4.09	5.44	8.13	10.8
0.79	9-1/2		1.42	2.14	2.80	4.17	5.55	8.30	11.0
0.80	9-5/8		1.45	2.18	2.85	4.26	5.66	8.46	11.3
0.81	9-3/4		1.48	2.22	2.90	4.34	5.77	8.63	11.5
0.82	9-13/16		1.50	2.27	2.96	4.42	5.88	8.79	11.7
0.83	9-15/16		1.53	2.31	3.02	4.50	6.00	8.96	11.9
0.84	10-1/16		1.56	2.35	3.07	4.59	6.11	9.13	12.2
0.85	10-3/16		1.59	2.39	3.12	4.69	6.22	9.30	12.4
0.86	10-5/16		1.62	2.44	3.18	4.76	6.33	9.48	12.6
0.87	10-7/16		1.65	2.48	3.24	4.84	6.44	9.65	12.8
0.88	10-9/16		1.68	2.52	3.29	4.93	6.56	9.82	13.1
0.89	10-11/16		1.71	2.57	3.35	5.01	6.68	10.0	13.3
0.90	10-13/16		1.74	2.61	3.41	5.10	6.80	10.2	13.6
0.91	10-15/16		1.77	2.66	3.46	5.19	6.92	10.4	13.8
0.92	11-1/16		1.81	2.70	3.52	5.28	7.03	10.5	14.0
0.93	11-3/16		1.84	2.75	3.58	5.37	7.15	10.7	14.3
0.94	11-1/4		1.87	2.79	3.64	5.46	7.27	10.9	14.5
0.95	11-3/8		1.90	2.84	3.70	5.55	7.39	11.1	14.8
0.96	11-1/2		1.93	2.88	3.76	5.64	7.51	11.3	15.0
0.97	11-5/8		1.97	2.93	3.82	5.73	7.63	11.4	15.3
0.98	11-3/4		2.00	2.98	3.88	5.82	7.75	11.6	15.5
0.99	11-7/8		2.03	3.02	3.94	5.91	7.88	11.8	15.8
1.00	12		2.06	3.07	4.00	6.00	8.00	12.0	16.0
1.01	12-1/8		2.09	3.12	4.06	6.09	8.12	12.2	16.3
1.02	12-1/4		2.12	3.17	4.12	6.19	8.25	12.4	16.5
1.03	12-3/8		2.16	3.21	4.18	6.28	8.38	12.6	16.8
1.04	12-1/2		2.19	3.26	4.25	6.37	8.50	12.8	17.0
1.05	12-5/8		2.22	3.31	4.31	6.47	8.63	13.0	17.3
1.06	12-3/4		2.26	3.36	4.37	6.56	8.76	13.2	17.5
1.07	12-13/16		2.29	3.40	4.43	6.66	8.88	13.3	17.8
1.08	12-15/16		2.32	3.45	4.50	6.75	9.01	13.5	18.1
1.09	13-1/16		2.36	3.50	4.56	6.85	9.14	13.7	18.3

Table 7 (Continued). Free flow through Parshall measuring flumes in cubic feet per second.

Head		Throat width							
Feet	Inches (approx.)	3"	6"	9"	1'	1.5'	2'	3'	4'
		(Flow in cubic feet per second)							
1.10	13-3/16	2.40	3.55	4.62	6.95	9.27	13.9	18.6	
1.11	13-5/16	2.43	3.60	4.68	7.04	9.40	14.1	18.9	
1.12	13-7/16	2.46	3.65	4.75	7.14	9.54	14.3	19.1	
1.13	13-9/16	2.50	3.70	4.82	7.24	9.67	14.5	19.4	
1.14	13-11/16	2.53	3.75	4.88	7.34	9.80	14.7	19.7	
1.15	13-13/16	2.57	3.80	4.94	7.44	9.94	14.9	19.9	
1.16	13-15/16	2.60	3.85	5.01	7.54	10.1	15.1	20.2	
1.17	14-1/16	2.64	3.90	5.08	7.64	10.2	15.3	20.5	
1.18	14-3/16	2.68	3.95	5.15	7.74	10.3	15.6	20.8	
1.19	14-1/4	2.71	4.01	5.21	7.84	10.5	15.8	21.1	
1.20	14-3/8	2.75	4.06	5.28	7.94	10.6	16.0	21.3	
1.21	14-1/2	2.78	4.11	5.34	8.05	10.8	16.2	21.6	
1.22	14-5/8	2.82	4.16	5.41	8.15	10.9	16.4	21.9	
1.23	14-3/4	2.86	4.22	5.48	8.25	11.0	16.6	22.2	
1.24	14-7/8	2.89	4.27	5.55	8.36	11.2	16.8	22.5	
1.25	15		4.32	5.62	8.46	11.3	17.0	22.8	
1.26	15-1/8		4.37	5.69	8.56	11.5	17.2	23.0	
1.27	15-1/4		4.43	5.76	8.67	11.6	17.4	23.3	
1.28	15-3/8		4.48	5.82	8.77	11.7	17.7	23.6	
1.29	15-1/2		4.53	5.89	8.88	11.9	17.9	23.9	
1.30	15-5/8		4.59	5.96	8.99	12.0	18.1	24.2	
1.31	15-3/4		4.64	6.03	9.09	12.2	18.3	24.5	
1.32	15-13/16		4.69	6.10	9.20	12.3	18.5	24.8	
1.33	15-15/16		4.75	6.18	9.30	12.4	18.8	25.1	
1.34	16-1/16		4.80	6.25	9.41	12.6	19.0	25.4	
1.35	16-3/16		4.86	6.32	9.52	12.7	19.2	25.7	
1.36	16-5/16		4.92	6.39	9.63	12.9	19.4	26.0	
1.37	16-7/16		4.97	6.46	9.74	13.0	19.6	26.3	
1.38	16-9/16		5.03	6.53	9.85	13.2	19.9	26.6	
1.39	16-11/16		5.08	6.60	9.95	13.3	20.1	26.9	
1.40	16-13/16			6.68	10.1	13.5	20.3	27.2	
1.41	16-15/16			6.75	10.2	13.6	20.6	27.5	
1.42	17-1/16			6.82	10.3	13.8	20.8	27.8	
1.43	17-3/16			6.89	10.4	13.9	21.0	28.1	
1.44	17-1/4			6.97	10.5	14.1	21.2	28.5	
1.45	17-3/8			7.04	10.6	14.2	21.3	28.8	
1.46	17-1/2			7.12	10.7	14.4	21.7	29.1	
1.47	17-5/8			7.19	10.8	14.5	21.9	29.4	
1.48	17-3/4			7.26	11.0	14.7	22.2	29.7	
1.49	17-7/8			7.34	11.1	14.9	22.4	30.0	
1.50	18			7.41	11.2	15.0	22.6	30.3	

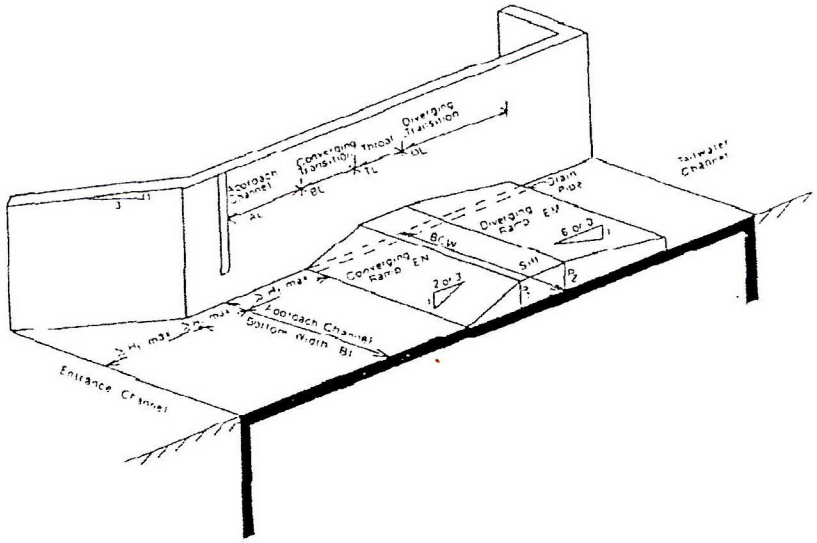
RAMPED BROAD CRESTED WEIR[1]

General Description

The ramped broad crested weir (RBCW) has been used successfully in a number of canals in Southern Idaho and is one of several types of broad crested weirs. This device requires only a single upstream depth measurement for discharge determination. The structure can not be used to regulate flow, but is capable of accurately measuring a wide range of discharges. Construction costs for this weir may be relatively lower than other measurement structures used on larger ditches or canals. The RBCW also passes floating debris and sediment well. As with other weirs and flumes, normal periodic maintenance is required.

Installation and Measurement

A computer model has been developed for use in designing the RBCW and allows the weir to be tailored to fit the channel configuration. The computer program also generates a rating table using the as-built dimensions. Discharge is then determined by reading the height of water on the staff gauge with the corresponding height listed on the computer generated rating table. Further detailed information about the weir and computer program may be obtained from the University of Idaho Kimberly Research and Extension Center or the Idaho Department of Water Resources.



Schematic view of a ramped broad crested weir.

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[1] RBCW text and figures reprinted from France, K.E. and Brockway, C.E., Flow Measurement Using Ramped Broad Crested Weirs. Idaho Water Resource Research Institute, University of Idaho, Moscow, Idaho. September, 1987.

CONSTANT HEAD ORIFICE TURNOUT (CHO)[1]

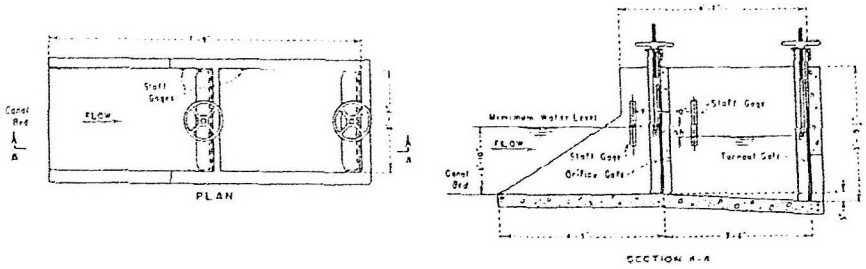
General Description

The constant head orifice turnout (CHO) is a combination regulating and measuring structure that uses an adjustable submerged orifice for the discharge measurement. The structure has been developed and widely adopted by the Bureau of Reclamation. Its operation is based upon setting and maintaining a constant head differential (usually 0.20 foot) across the orifice. Discharges are varied by changing the gate opening, that is, the area of the orifice. The rate of flow is measured by using the principle that a submerged orifice of a given size operating under a specific differential head will always pass the same known quantity of water.

The CHO turnout consists of a short entrance channel leading to a headwall containing one or more gate-controlled openings, a stilling basin section, and a downstream headwall with one or more gate-controlled openings that release the flow into the delivery channel. The turnouts are usually placed at right angles to the main canal. The upstream gate or gates constitute the orifice, the size of which can be increased or decreased by opening or closing the gates. The head across the orifice is measured at a constant value, usually 0.20 foot, by adjusting the downstream gate or gates, and is measured by staff gauges or stilling wells upstream and downstream from the orifice gate headwall.

How to Measure

The opening of the orifice for the desired discharge is obtained from discharge tables. With the upstream gates set at this opening, the downstream gates are adjusted until the differential head across the orifice as measured by the staff gauges or stilling wells is at the required constant head (usually 0.20 foot). The discharge will then be at the desired value.



Schematic view of a CHO turnout with a horizontal inlet channel

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[1]CHO text, figures and tables reprinted from Water Measurement Manual, Department of Interior Bureau of Reclamation. Second Edition Revised Reprint: 1984 (Denver) pp. 95-99, 298-299.

Table 32.—Discharge of constant-head orifice turnout in second-feet. Capacity 20 second-feet, gate size 30 by 24 inches, $\Delta h = 0.20$ foot. (See sec. 64.)

Discharge, second-feet	Gate opening in feet		Discharge, second-feet	Gate opening in feet	
	2 gates	1 gate		2 gates	1 gate
0.25	0.02	0.04	10.25	0.81	.....
.50	.04	.08	10.50	.83	.....
.75	.06	.12	10.75	.85	.....
1.00	.08	.16	11.00	.87	.....
1.25	.10	.20	11.25	.89	.....
1.50	.12	.24	11.50	.91	.....
1.75	.14	.28	11.75	.93	.....
2.00	.16	.32	12.00	.95	.....
2.25	.18	.36	12.25	.97	.....
2.50	.20	.40	12.50	.99	.....
2.75	.22	.44	12.75	1.01	.....
3.00	.24	.48	13.00	1.03	.....
3.25	.26	.52	13.25	1.05	.....
3.50	.28	.56	13.50	1.07	.....
3.75	.30	.60	13.75	1.085	.....
4.00	.32	.64	14.00	1.10	.....
4.25	.34	.68	14.25	1.12	.....
4.50	.36	.72	14.50	1.14	.....
4.75	.38	.755	14.75	1.16	.....
5.00	.40	.79	15.00	1.18	.....
5.25	.42	.83	15.25	1.20	.....
5.50	.44	.87	15.50	1.22	.....
5.75	.46	.91	15.75	1.24	.....
6.00	.48	.95	16.00	1.26	.....
6.25	.50	.99	16.25	1.28	.....
6.50	.52	1.03	16.50	1.30	.....
6.75	.54	1.065	16.75	1.32	.....
7.00	.56	1.10	17.00	1.34	.....
7.25	.58	1.14	17.25	1.355	.....
7.50	.60	1.18	17.50	1.37	.....
7.75	.62	1.22	17.75	1.39	.....
8.00	.64	1.26	18.00	1.41	.....
8.25	.66	1.30	18.25	1.43	.....
8.50	.68	1.34	18.50	1.45	.....
8.75	.70	1.375	18.75	1.47	.....
9.00	.72	1.41	19.00	1.49	.....
9.25	.74	1.45	19.25	1.51	.....
9.50	.76	1.49	19.50	1.53	.....
9.75	.775	1.525	19.75	1.545	.....
10.00	.79	1.56	20.00	1.56	.....

Table 33.—Discharge of constant-head orifice turnout in second-feet. Capacity 10 second-feet, gate size 24 by 18 inches, $\Delta h = 0.20$ foot. (See sec. 64.)

Discharge, second-feet	Gate opening in feet		Discharge, second-feet	Gate opening in feet	
	2 gates	1 gate		2 gates	1 gate
0.25	0.025	0.05	5.25	0.525	.....
.50	.05	.10	5.50	.55	.....
.75	.075	.15	5.75	.575	.....
1.00	.10	.20	6.00	.60	.....
1.25	.125	.25	6.25	.625	.....
1.50	.15	.30	6.50	.65	.....
1.75	.175	.35	6.75	.675	.....
2.00	.20	.40	7.00	.70	.....
2.25	.225	.45	7.25	.722	.....
2.50	.25	.50	7.50	.74	.....
2.75	.275	.55	7.75	.765	.....
3.00	.30	.60	8.00	.79	.....
3.25	.325	.65	8.25	.815	.....
3.50	.35	.70	8.50	.84	.....
3.75	.375	.745	8.75	.865	.....
4.00	.40	.79	9.00	.89	.....
4.25	.425	.84	9.25	.915	.....
4.50	.45	.89	9.50	.94	.....
4.75	.475	.94	9.75	.965	.....
5.00	.50	.99	10.0	.99	.....

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WATER RESOURCES
WESTERN REGION

*****Attention*****

Notice of follow up meeting to be held

February 17, 2014 @ 1:00pm

Glenns Ferry City Hall

This meeting will be to discuss proposed changes to the current By-Laws,

Also the potential of a backup watermaster.

See Attached

2014 assessment billing

Copy of current By-Laws

Proposed Changes

Minutes of the January meeting

This has been sent out to all water user on 1/17/14

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Little Canyon Creek Water District #61-D
Minutes of the Meeting
January 13, 2014

Call to Order: Meeting was called to order at 1:05 pm, January 13, 2014, by Alan Crane, President.

Water Users in attendance: Rob Whitley -IDWR, John Westra -IDWR, Teresa McCallum, Alan Crane, Jim Chambers, Paul Batruel, Nathan Jones, Jerry Gorrell, Rusty Trail, Rocky Trail, Rich Wootan, Justin Wootan, Mike Lawrence, Ann Murray, Allison McCallum.

Reading of Minutes: Minutes read by Teresa McCallum were moved to approval by Rocky Trail and seconded by Nathan Jones. Minutes were accepted a read.

Treasurer's Report: Treasurer's Report read by Teresa McCallum, Assessment for 2013 was $186.00 w/ minimums amount billed was $304.02, collected was $330.93. All water users are current except, Dena Machant. Collected additional $1.15 in interest on the bank account. Spent $265.41 on insurance, Watermaster salary of $1350.00 This has not been paid. There were more call outs than listed, i wanter to confirm payment at the meeting first.

Balance in the account is $2280.89 as of 12/31/13.

Balance after watermaster payment $930.89.

Motion to approve the Treasurer's report by Rocky Trail, seconded by Paul Batruel, Passed unanimously.

Previous year water report: Motion to approve the watermaster's report and payment for 18 call-outs motion made by Nathan Jones, seconded by Jerry Gorrell. No acceptance or denial of the report by Paul Batruel. Motion carried without objection.

Old Business:

New Business:

New business began with Rocky Trail, defending the the difficult position of Watermaster.

A discussion was held regarding pending litigation between Paul Batruel, Rusty Trail and Water Resources. This litigation involves diversion point and apparatus, potential misappropriation of water, and concern over call outs for water allegedly not being put to beneficial use.

Teresa McCallum noted that Iron Horse ranch had 5 cows died due to lack of water in the stream.

There was a question regarding Paul's headgate and measuring device were adequate. Paul indicated the the measuring device keeps being washed out and "it is irrelevant".

Then Mark Lawrence, representing Paul Batruel, presented proposed resolutions for changes to the By-Laws for the water district (*see attached*). A motion was made to table these proposed resolutions due to the lack of time to fully consider the changes, and lack of notice. A motion to Table these proposed change to an additional meet at a

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later date this winter. Also instructing the Secretary to mail to all users the proposed changes made by Rocky Trail, seconded by Nathan Jones, passed unanimously.

Proposed Budget: Proposed budget was read by Teresa McCallum.

20 callouts at $75/each	=	$1,500.00
Replenish slush	=	70.00
Office Supplies $50	=	50.00
Workers Compensation	=	300.00
Proposed budget		$1,920.00
Less overage above $1,000		- 0.00 over slush
		$1,920.00
New Proposed budget for 2014 assessment purposes:		$1,920.00

Motion to approve the Proposed budget by Paul Batruel, seconded by Rocky Trail. approved unanimously.

Motion to Re-approve the by Laws: motion to approve the current By-Law until the next meeting made by Nate Jones, seconded by Jerry Gorrell, approved unanimously.

Election of Officers: Motion made by Rocky Trail to keep current President and Secretary/Treasurer in place, seconded by Nathan Jones.
President: Alan Crane
Secretary/Treasurer: Teresa McCallum

Watermaster: Nominations for watermaster brought-forth Teresa McCallum nominated Rich Wootan, present; Paul Batruel nominated Mark Brameltt, not present. Rich Wootan was elected watermaster.

A discussion was held about a tentative election of a back-up watermaster incase of absence or inability to respond to a call-out for what ever reason, will be revisited at new meeting date of February 17, at 1:00 pm Glenns Ferry City Hall.

Advisory Committee: Teresa McCallum made a motion for the Advisory committee to consist of only three water users. This was seconded by Nathan Jones, an amendment was proposed to change to Five member, this was defeated by a vote of 3 to 2. The original motion passed unanimously.
Nominations were opened Five members nominated, the three members for this years committee will be Rusty Trail, Nathan Jones and Teresa McCallum.

Adjournment: Meeting adjourned to the 3rd Monday of February 2014; (February 17th, 2014-1:00pm, Glenns Ferry City Hall).

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Little Canyon Creek Water District #61-D
Minutes of the Meeting
January 13, 2014

Teresa McCallum, Secretary

If you feel that there is anything that I have left out or misstated please call or send me a note so that I can have the corrections at the next meeting on Monday February 17th, 2014, at 1:00 pm at Glenns Ferry City Hall.

Your Water District Board maybe reached at the following:

President	Sec/Treas.	Watermaster
Allen Crane	Teresa McCallum	Rich Wootan
803 S. Boise	11204 N. Bar 21 Dr.	2286 S. Pruett Rd.
Glenns Ferry, ID 83632	Glenns Ferry, ID 83623	King Hill, ID 83633
(208) 941-6687	(208) 366-7931	(208) 366-2696 Home
		(208) 599-0394 Cell

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WATER RESOURCES
WESTERN REGION

BUDGET ADOPTED AT THE ANNUAL MEETING

OF THE WATER USERS

WATER DISTRICT No. 61-D

Estimated Amount for Watermaster's Salary ..... $ 1500.00

Estimated Amount for Assistant Watermaster and other Water District Officials ..... $ -0-

Estimated Amount for Other Expenses ..... $ 350.00

TOTAL ESTIMATED EXPENSES FOR IX 2014 ..... $ 1850.00
Plus amount to replenish slush 70.00

Total Budget 1920.00

DISTRIBUTION OF THE BUDGET AMONG USERS

Individual, Ditch or Canal Company, assessed	Water Right Ident. No.	Address	Amount of Budget
Trail Family Farms	61-2107B 61-4079	5308 E. Trail Rd. King Hill, Id 83633	$ 279.79
Betty Schell / Dena Merchant	61-10116	P.O. Box 1203 Glenns Ferry, Id 83623	10.00
Bob Hall	61-2223 61-2086	2975 W. Latty Dr. Glenns Ferry, Id. 83623	57.00
	61-2044		
Iron Horse Ranch, LLC	61-0297 61-0298	11204 N. Bar 21 Dr. Glenns Ferry, Id 83623	116.41
	61-0371B		
Half Moon, LLC	61-2107A 61-4090	911 Winding Creek Rd Eagle, Idaho 83616	267.35
Dick Anderson	61-2152	P.O. Box 807 Glenns Ferry, Id 83623	54.59
Donald Holloway	61-10473	P.O. Box 251 Glenns Ferry, Id 83623	10.00
Donald J. Tveidt Jr. c/o Donald J. Tveidt Sr.	61-04041	P.O. Box 1245 Glenns Ferry, Id 83623	10.00
Aurthur Church	61-10474	537 W. Aurthur Ave. Glens Ferry, Id 83623	10.00
Alan Crane & Mike Nickerson	61-4041A	803 S. Boise Glenns Ferry, Id 83623	10.00
Hammett Livestock	61-10680	P.O. Box 33 Hammett, Id 83627	10.00
Joane Martinez	61-11925	P.O. Box 184 Glens Ferry, Id 83623	10.00
Joel Allen	61-7011	P.O. Box 564 Glenns Ferry, Id 83623	10.00
Joyce Pearson c/o Nathen Jones	61-0371A 61-0372	2240 East Maple Dr. King Hill, Id 83633	94.34
Lava Rim Ranch	61-0299 61-2000A	2604 N Morrow Res. Rd. Glenns Ferry, Id 83623	311.50
	61-0370 61-0303A 61-4113	61-4038, 61-2000B, 61-2930	

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DISTRIBUTION OF THE BUDGET AMONG USERS

Individual, Ditch or Canal Company, assessed	Water Right Ident. No.	Address	Amount of Budget
Paul Batruel	61-4132 61-0304B	3335 N. Morrow Res. Rd. Glenns Ferry, Id 83623	511.41
	61-11921 61-0303B	61-0293	
Idahoan Foods	61-7575 61-0293C	357 Consitution Way Idaho Falls, ID 83402	48.17
Ruby John c/o Dan Hall	61-10642	P.O. Box 644 Glenns Ferry, Id 83623	91.93
Three Island State Park	61-2076	P.O. Box 609 Glenns Ferry, Id 83623	12.04
ARK Properties, LLC	61-0294 61-0295	11204 N. Bar 21 Dr. glenns Ferry, Id 83623	47.39
	61-7039		
Three Island, LLC DBA Carmella'	61-0295 61-7039	P.O. Box 790 Glenns Ferry, ID 83623	16.46
		2014 Assessments	1920.00
	Assessments With $10.00 minimums		1990.38

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MAY 08 2015

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region • 2735 Airport Way • Boise, Idaho 83705-5082
Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

January 20, 2014

Teresa McCallum, Secretary
Little Canyon Creek Water District 61D
11204 N Bar 21 DR
Glenns Ferry ID 83623

RE: Comments Proposed Water District Resolutions

Dear Ms. McCallum:

Attached are the Department's comments regarding the proposed resolutions that will be addressed at the Water District meeting on February 17th. A representative from the Department will not be able to attend the meeting as the 17th is a state holiday.

Please forward the attached comments to the waterusers and participants at the meeting.

Should you have questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra

John Westra, Manager

Enclosure: comments

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Little Canyon Creek Water District 61D
2014 Proposed Resolutions
Department Comments-J. Westra

01/20/14

Proposed 1.

The Watermaster's term of service shall commence on April 1 and shall end on October 31, during which time the watermaster solely shall have control over all diversions of water within the District. Prior to April 1 and after October 31, water users shall have control of their respective authorized diversions of water.

Comment:

The creek water rights recently decreed by the Snake River Basin Adjudication Court list the period for irrigation beneficial use from March 15th through November 15th . Stockwater and domestic uses are decreed for year round January 1st through December 31st . A right holder could certainly make a call for stockwater at anytime. During 2013, the watermaster was called for delivery of stockwater at the Berry Ranch (senior right 61-12024) in late March.

Idaho Code 42-608 (4) certainly does provide waterusers an option to set a specified term of watermaster service by resolution. However, (IC) 42-608(2) also states:

> *A watermaster shall not begin work for the distribution and control of water required under section 42-607, IC, until called upon by one (1) or more owners or managers of ditches or persons controlling ditches or their diversion facilities in the district stating that there is a necessity for the distribution and control of the waters of the district. In the absence of a call by one (1) or more water users, the watermaster may be called upon to assume the watermaster's duties at any time the department of water resources finds that there is a necessity for the distribution and control of the waters of the district.*

Proposed 2.

An Advisory Committee (Committee) is hereby selected to provide input to the Watermaster.....

Comment:

This was addressed at the annual meeting

Proposed 3.

The Watermaster shall distribute water to rights in accordance with Idaho Code Title 42, IDWR's Watermaster Handbook.....

Comment:

Part b of the resolution states that water calls must be in writing. The watermaster should have some discretion of how the waterusers communicate with him. The preferred mode of communication could certainly be home phone, cell phone, e-mail, written, etc. The waterusers and watermaster should be in agreement on the communication mode.

The watermaster's primary responsibility is to distribute and control the source according to the water rights. If it is obvious to the Watermaster that a water call is not being beneficially used, the diversion should definitely be curtailed. The real question is: Should the watermaster's duties include checking on the use of water and issuing fines? If this is the approach sought, the waterusers will have to be willing to compensate the watermaster for the additional duties/time.

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RESOLUTIONS OF

WATER DISTRICT

61 D LITTLE CANYON CREEK

ARTICLE I

Name, Location, Business

SECTION 1: **Name:** The name of this organization shall be Little Canyon Creek Water District. "it shall be referred to hereinafter as "the organization".
SECTION 2: **Location:** 11204 N. Bar 21 Dr. Glenns Ferry, Idaho 83623 or with the current organization secretary.
SECTION 3: **Business:** This organization shall engage in the business of controlling and running the operations of Little Canyon Creek Water Districts 61D as prescribed by these By Laws.

ARTICLE II

Purpose

SECTION 1: **Purpose:** The purpose for which this group is organized is civic in nature to control the operation of irrigation along Little Canyon Creek. The organization shall be and is empowered to cooperate and work in compliance with the State of Idaho governmental agencies to achieve its purpose. This organization shall act as the primary controlling agency for Little Canyon Water District and shall promote just and equitable rules and controls in business, through the collection and dissemination of information, and through services that may be rendered in connection with subjects of general importance, through research and if needed direct action.
SECTION 2: **Limitations:** The organization in its activities shall be limited to insuring irrigators along Little Canyon Creek are in compliance with their water rights and controls are in place to enforce compliance as directed by Water District and the State of Idaho.

ARTICLE III

Membership

SECTION 1: **Eligibility:** Any person, firm, partnership, corporation/association, estate, or trust may apply for membership if they have water rights for taking water from Little Canyon Creek and agrees to conform to and abide by the By Laws of Water District 61D Little Canyon Creek and any amendments there to.
SECTION 2: **Classification of Members:** All active members in good standing shall be entitled to vote, to hold office, to serve on standing and special committees, to attend all

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regular and special membership meetings, to have the privileges of the floor at such meetings and to participate in all referenda conducted by the organization. A member in good standing is one that is in compliance with all requirements of this organization and is current in any and all assessments made by this organization.
SECTION 3: **Membership dues:** The minimum annual membership dues for active members of this organization shall be reviewed annually by the board of officers and any proposed assessment shall be voted on by organization membership.
SECTION 4: **Voting:** Each individual member in good standing shall be entitled to one vote. Votes shall be by individual persons only, one vote person, and not by proxy unless done so in writing. Every firm shall designate a voting representative for each vote authorized.
SECTION: **Termination of membership:** Upon termination of any membership by death, resignation, sale or transfer of water rights in Little Canyon Creek or expulsion, the interests of such member in and to the property of this organization and his/her rights and privileges shall be forfeited. In the event of termination of membership, assessments shall not be refundable.

ARTICLE IV

Membership Meetings

SECTION 1: **Annual Meetings:** The annual membership meeting of this organization shall be held on the second Monday of January of each year at such time and place as may be designated by the President. At such annual meeting, the newly elected officers shall be installed.
SECTION 2: **Special Meetings:** The President may call such special meeting of the membership as he/she may deem necessary, and shall call a membership meeting upon the request of ten percent of the members in good standing.
SECTION 3: **Quorum:** Ten percent of the active members in good standing of the organization shall constitute a quorum for the transaction of any business at a membership meeting.

ARTICLE V

Officers

SETION 1: **President's Office:** The President shall preside at all meetings of this organization and perform all duties incident to that office. He/She shall, as he/she may deem proper, commend to the membership such matters and make suggestions as may tend to promote the prosperity and increase the usefulness of the organization.
SECTION 2: **Secretary/Treasurer's Office:** It shall be the duties of the secretary to conduct the official correspondence, communication, and maintain an accurate record of the proceedings of this organization. The treasurer shall receive and disburse the funds of this organization. He/She shall keep all monies of this organization deposited in the name of this organization. All disbursements shall be made by check duly signed by the Treasurer and counter signed by the President if over $500.00

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SECTION 3: **Vacancies:** Vacancies occurring in the offices herein provided for shall be filled by interim appointment by a Resolution of the membership. The interim appointment shall be until the vacancies' term has expired.
SECTION 4: **Hold Harmless:** The Officers of this organization shall not be held personally liable for any of the actions of the membership of this organization unless criminal intent is shown.
SECTION 5: **Term of officers:** The term of elected officers shall be one calendar year.

ARTICLE VI

Representatives

SECTION 1: Any person or persons appointed to act as the official representative or representatives of this organization at conventions, hearings, or public meetings of any kind, shall so act only after receiving specific instructions from the President. Upon completion of such an assignment the representative(s) shall make a full report to the President.
SECTION 2: Watermaster as Representative of the Organization has the ability to set time limits for response to call outs not to exceed 48 hours.
SECTION 3: The Watermaster is to immediately notify the District Secretary when 10 call outs are performed. Then again when the budgeted callouts are reached, in any one year.
SECTION 4: The Watermaster shall attend the annual water meeting and any special meetings called by the President. The Secretary/Treasurer shall compensate the Watermaster at the current callout rate for any mandatory meetings.

ARTICLE VII

Budgeting

SECTION 1: **Fiscal Year:** The fiscal year of this organization shall be January 1 through December 31.
SECTION 2: **Budget:** The President shall constitute the Budget Committee and adopt a budget in December each year for the following year. At the annual meeting the President shall present the budget to the membership for approval and or adjustments. The President shall adjust and/or revise the annual budget to conform with any limitations or expenses created by changing conditions throughout the year. The Dues/Assessments shall be based on the estimated budget for the upcoming year. The Dues/Assessments shall be reduced by any remaining funds over $1000.00 from previous years budget.
SECTION 3: **Dues/Assessments:** Each member shall be bill by the percentage of the water right held on Little Canyon Creek, with a minimum billing of 10.00 dollars. The amounts payable by each member as shown by the approved budget shall become due and payable on March 15th and that said amount, if not paid shall bear a penalty of 10% and shall bear interest from that date until paid, at a rate of 8 percent per annum. No member shall have the right to demand and receive water, and the Watermaster shall not

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deliver to such person until the amount due and payable for such member as fixed by the budget has been paid.

ARTICLE VIII

Amendments

These Bylaws may be altered, amended, or repealed by one of the following:

A. By the affirmative vote of two-thirds of the members of this organization at any regular or special meeting, provided the proposed action be presented in writing at the meeting to the membership preceding such vote, or notice in writing be sent to each member of this organization at least fifteen (15) days prior to such vote;
B. By a two-thirds affirmative vote of the members entitled to vote there at, at the Annual meeting of the members, or any other meeting of the members called for that purpose by the President.

ARTICLE IX

Dissolution

On dissolution of this organization any funds remaining shall be distributed to the current members by the percentage of water rights held on Little Canyon Creek.

DATE ADOPTED: 1/14/13

Allen Crane, President

Teresa McCallum, Secretary/Treasurer

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BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

State of Idaho)
) ss
County of ~~Elmore~~)

Official Oath

I do solemnly swear or affirm that I will support the Constitution of the United States, the Constitution and laws of the State of Idaho, specifically including the provisions of Section 42-605 and 42-607, Idaho Code, and that I will faithfully discharge all the duties of the office of Watermaster of District 61-D for the _____ irrigation season or X calendar year of 2014 according to the best of my ability. So help me God.

Watermaster

SUBSCRIBED AND SWORN TO before me this 13 day of Jan, 2014.

SEAL

JERRY GORRELL NOTARY PUBLIC STATE OF IDAHO

Notary Public
Residing At Glenns Ferry, Id
Commission Expires 10/9/14

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State of Idaho

Department of Water Resources

Certificate of Appointment

This is to certify that I have on this day appointed RICH WOOTAN *as* WATERMASTER *of* LITTLE CANYON WATER DISTRICT 61D *for* 2014 *or until his successor is appointed and qualified under the provisions of Sections* 42-605 *, Idaho Code, at such rate of compensation as established by applicable law.*

DEPARTMENT OF WATER RESOURCES
SEAL
IDAHO
DIRECTOR

This certificate has been issued and the seal of the Director fixed at Boise, Idaho, this 14th *day of* February *, 20* 14 *.*

Gary Spackman

Director

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Little Canyon Creek Water District #61-D
Agenda
January 13, 2014

Call to Order:

Reading of Minutes: *See attached*

Treasurer's Report: Assessment for 2013 was $186.00 w/ minimums amount billed was $304.02, collected was $330.93. All water users are current except, Dena Machant. Collected additional $1.15 in interest on the bank account. Spent $265.41 on insurance, Watermaster salary of $1350.00 This has not been paid. There were more call outs than listed, i wanter to confirm payment at the meeting first.

Balance in the account is $2280.89 as of 12/31/13.
Balance after watermaster payment $930.89.

Previous year water report: *See attached*

Old Business: Water Resources update on litigation.

New Business:

Proposed Budget:

20 callouts at $75/each	=	$1,500.00
Replenish slush	=	70.00
Office Supplies $50	=	50.00
Workers Compensation	=	300.00
Proposed budget		$1,920.00
Less overage above $1,000		- 0.00 over slush
		$1,920.00
New Proposed budget for 2014 assessment purposes:		$1,920.00

Motion to Re-approve the by Laws:

Election of Officers:

President:
Secretary/Treasurer:
Watermaster:

Advisory Committee: The advisory committee to remain the same as last year, which was stated to be all water users?

Adjournment: Meeting adjourned to 2nd Monday of January 2015; (January 12th, 2015-1:00pm, Glenns Ferry City Hall).

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Little Canyon Creek Water District #61-D
Minutes of Annual Meeting
January 14, 2013
City Hall, Glenns Ferry, Idaho

Call to Order: Meeting was called to order at 1:15 pm, January 14, 2013, by Mike Nickerson, President

Water users in attendance: Teresa McCallum, Alan Crane, Mike Nickerson, Connie Crawshaw rep. Camella Winery, Jim Chambers, Jenny Nickerson.

Reading of Minutes: Minutes read by Teresa McCallum were moved to approval by Connie Crawshaw and seconded by Jim Chambers. Minutes were accepted as read.

Treasurer's Report: Assessment for 2012 was $171.00 w/ minimums amount billed was $292.82. Amount collected was $272.41. All water users are current except, Don Holloway, Dick Anderson Mike Nickerson, Dena Marchant. However Nickerson was collected at the meeting. Collected additional $1.81 in interest on the bank account. Spent $289.00 on insurance, Watermaster salary of 0.00. Balance in the account is $2214.22 as of 12/31/12

Old Business: None

Previous year water report: Teresa read the Watermaster report for 2011. There were none. Report was approved as read.

New Business: There being no further new business the By-Laws were moved to remain the same for 2013 water season, by Allen Crane and seconded by Connie Crawshaw, passed unanimously.

Proposed Budget:

14 call outs at $75/ea	=	$1050.00
Office Supplies	=	50.00
Workers Compensation	=	300.00
Proposed budget		$1400.00
Less overage above $1,000		-1214.00 over slush
New Proposed budget for 2011 assessment purposes:		$ 186.00

Rusty Trail moved approved the Budget as presented 2nd by Alan Crane. approved.

Election of Officers: Move by Connie Crawshaw that officer be instated as follows, Seconded by Mike Nickerson. Passed unanimously
President: Allen Crane
Secretary/Treasurer: Teresa McCallum
Watermaster: Rusty Trails
Advisory Committee: Being all water users

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Adjournment: Meeting adjourned to 2nd Monday of January 2014 (January 13) at 1:00 pm at the Glenns Ferry City Hall. Motion made by Mike Nickerson and seconded by Jim Chambers. Motion Passed

Teresa McCallum, Secretary

If you feel that there is anything that I have left out or misstated please call or send me a note so that I can have the corrections at the 2014 meeting.

Your Water District Board maybe reached at the following:

President
Allen Crane
803 S. Boise
Glenns Ferry, Id 83623
941-6687 Cell

Sec/Treas.
Teresa McCallum
11204 N. Bar 21 Dr.
Glenns Ferry, Id 83623
366-7931

Water Master
Rusty Trail
5603 E. Trail Rd.
King Hill, Id 83633
208-366-2368 home
208-599-1261 cell

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October 28, 2013

John Westra and to whom it may concern,

I am responding to the Paul Butrell tort claim. This letter will explain water usage and actions taken in regards to The Little Canyon Creek in the months between March 31 and October 3, 2013.

The 2013 water year was very challenging for many reasons. As we know, many places across Idaho are in a drought, Little Canyon Creek is no different. I was faced with many challenges during my first year as a water master. Having little to no water to manage, made my job even harder.

On March 31, I met with Angie Grimm and Rob Whitney. We went in to Paul Butrell's diversion point head gate. We took a good look at his head gate and how much water was coming down the creek. I pointed out to Rob and Angie that Paul doesn't have a weir, or measuring device. I also pointed out that the way Paul's headgate was designed and built presents other challenges that I will detail later. Paul was taking 100% of the water coming down the creek. One of the challenges Paul's headgate creates is that it sits lower than the creek. This becomes problematic because is allows him to take water that is not rightfully his. To correct this we made an adjustment on Paul's headgate to allow water to flow down the creek for stock water rights that were being withheld as a result of the headgate.

On April 1, I went to Paul's headgate and shut it down to only allow around 25 inches of water past. This was a guess due to Paul not having a measurement device in his ditch. Water rights: 12198, 1297, 12196, 12191, 12193, 200A, 12189, 12187, 371B, 297, 12024, 295, 294, 298, 2107A, and 2107B were all called on either March 31 or on the morning of April 1. All of these water rights are Senior to Paul's. Water rights 2228A and 222B were also called upon. The water rights excluding 2228A and 2228B add up to more than 210 inches. 222A and 222B are more than 600 inches. There was approximately 350-450 inches coming down the creek at this time. On April 10 water right 371A and 372 were called on. That's around 120 inches. This water right is also Senior to Paul's. Paul has 50 inches of water senior to his water right 308 which he did not call out on. The accumulated users on little canyon creek senior to water right 308 is around 800 inches. This was a year that most water users wanted their water.

On April 11, I talked with Paul over the phone about what had happened. Paul knows that I went up and adjusted his headgate that afternoon. There were a few water users that had not started their water. So I went back up to Paul's headgate and sent more water down his ditch. Due to the fact that Paul does not have a measurement device, I again had to guess on how much he was receiving. In those 10 days Trail/Blair Reservoir took water. This would be water right 2228 A and B. For only 10 days Trail/Blair Reservoir took around 75-125 inches per day. Paul claims that Trail/Blair Reservoir took 300 acre feet. This calculation is completely implausible. If what Paul claims were to be true Trail Ranches would have had to take 180 inches for 40 days to get to 300 acre feet. Considering the years water supply this would have been highly unlikely.

On April 30, I talked with John Westra. I went back up to Paul's headgate and made sure he was taking any available excess water flow. By this time I had

already ran out of call outs, yet I continued to serve the users of Little Canyon Creek. In this case, especially Paul.

I have included two pictures that I took on May 28. One picture is of Little Canyon Creek with no water in it. The other picture is a good 100 to 150 inches of water flowing into Paul's reservoir. For four weeks Paul took 100 to 150 inches of water that was called on by senior water users that was not being used.

On May 29, I went up to Paul's diversion point and shut his headgate off due to the fact that there was not sufficient flow to serve senior water users. Little Canyon Creek did not have sufficient water flow this year. There was not a day that I saw that the flow of the creek ran over 500 inches.

In my opinion as a water master, I feel that Paul built this head gate incorrectly. When water users call for their water, Paul's headgate has to be turned down to force water into Little Canyon Creek. If and when the flow of water changes, Paul's headgate again has to be adjusted. If the flow of water increases due to rain fall or higher temperatures the excess water flows down the creek. If there is less water, Paul's headgate must be closed to accommodate the needs of priority water users. The flow of Little Canyon Creek can change hourly due to temperature and weather conditions. The water master should not have to sit at Paul's diversion point and make changes constantly to suffice Paul's water right. If Paul's diversion point was built similar to others that share the creek such as the design of the Trail/Blair diversion point, some of these problems would solve themselves. The design of the Trail/Blair diversion allows the water master to regulate the water by adjusting what comes down the creek. If excess water flows down the creek the Trail/Blair ditch takes the excess to the reservoir rather than waste it and let it flow to the river. Trail Ranches tries very hard to beneficially use the water that flows down the creek for beneficial use. In good water years, Mr. Butrell floods out low lying areas around Morrows reservoir. This water can not be used for anything. It is also well know that Morrow's Reservoir leaks a good amount of water through out the year. Paul is a good candidate of not using water for beneficial use.

All reservoirs filling off the Bennett Mountain ran out of water early or didn't fill at all. Trail/Blair Reservoir only filled to about 10% with around an 8% carry over. Trail Ranches only irrigated one 107 acre pivot of wheat only a few times. That crop only made about 35 bushels per acre. On an average water year that pivot would usually make 110 bushels per acre. Normally Trail Ranches raises 214 acres of wheat and 107 of sugar beets. They ran out of water on May 16, 2013. I also spoke with Mr. Reynolds who owns and operates Bennett Creek Farms. They also fill off the same side of Bennett Mountain and Morrow and Trail/Blair reservoirs. Mr. Reynolds told me that they filled around 20% of their storage. They didn't have enough water to raise their potatoes or beans this year. They only had enough water for one cutting of alfalfa. Mountain Home Reservoir ran out of water around the 5th of July. All these reservoirs fill from snow pack on Bennett Mountain. As you can see the water shortage problems was not exclusive to Little Canyon Creek. On August 17, Paul was still irrigating and had water in his reservoir. This was well past when all other reservoirs went dry.

If accurately tracking water flow is a priority of Paul's, then he needs to be proactive and install the proper equipment to his Diversion point. In doing this it

would help to avoid these discrepancies and save a lot of time. I think it needs to be noted that accessing Paul's headgate is no easy feat. Every trip requires traveling through the very bumpy, rocky, unmaintained desert. It easily takes 20-30 minutes in a 4-wheel drive pick up to navigate the 1 mile long road in the best of conditions. Then a 10 to 15 min hike down rocky terrain. As I said earlier I had already surpassed the minimum number of callouts that a water master is required to perform in this district. I continued to serve all the water users to the best of my ability, including Paul. The bottom line is that there was not enough water in the creek due to a very low water year. Considering all the extra time, attention, and effort I put into my first year as water master dealing with issues involving Paul's head gate, I would've thought he'd be more appreciative.

Record of Call Outs

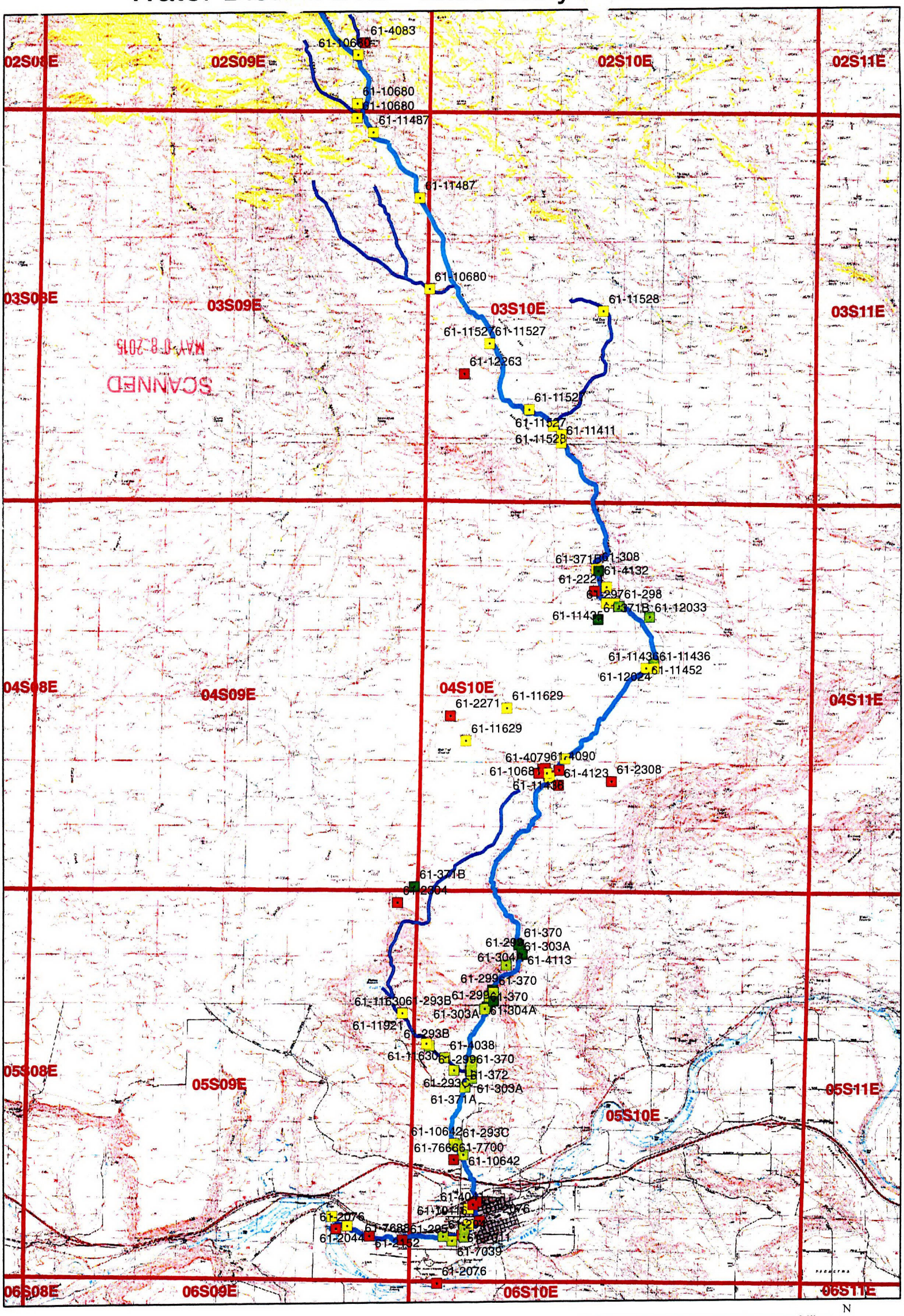
1. March 31, Rob Whitney and Angie Grimm at Paul's headgate
2. April 1, Adjustment to Paul's headgate
3. April 3, Checked water in creek at Trail/Blair diversion
4. April 5, Phone meeting with IDWR
5. April 7, Checked water coming down the creek at Paul's headgate
6. April 8, Checked water in creek at Trail/Blair diversion
7. April 9, Talked with Teresa McCallum and phone conversation with IDWR
8. April 10, Phone Conversation With IDWR, talked with Paul, Nate Jones made water call
9. April 11, Made adjustment on Paul's headgate
10. April 13, Checked water in creek at Trail/Blair diversion
11. April 14, Adjustment to Paul's headgate
12. April 22, Talked with IDWR, checked creek and went to Pauls headgate
13. April 30, Went to Paul's headgate talked with Allen Crane
14. May 10, talked with Carlene Smith Checked water in creek at end of ditch next to the Gorril residence.
15. May 27, Ryan Johnson called needing water on Ark Properties ground
16. May 28, Took Picture of water in Paul's Ditch and in Creek at Trail/Blair Div
17. May 29, Paul's headgate shut off
18. October 3, Phone Call IDWR

Rusty Trail

Little Canyon Creek Water Dist. 61-D
Profit & Loss
January through December 2013

	Jan - Dec 13
Ordinary Income/Expense	
Income	
Assessments recieved	330.93
Int Inc	1.15
Total Income	332.08
Expense	
Insurance	265.41
Total Expense	265.41
Net Ordinary Income	66.67
Other Income/Expense	
Other Income	
Other Income	0.00
Total Other Income	0.00
Net Other Income	0.00
Net Income	**66.67**

Water District 61D - Little Canyon Creek PODs



0 1.5 3 6 9 12 Miles

N

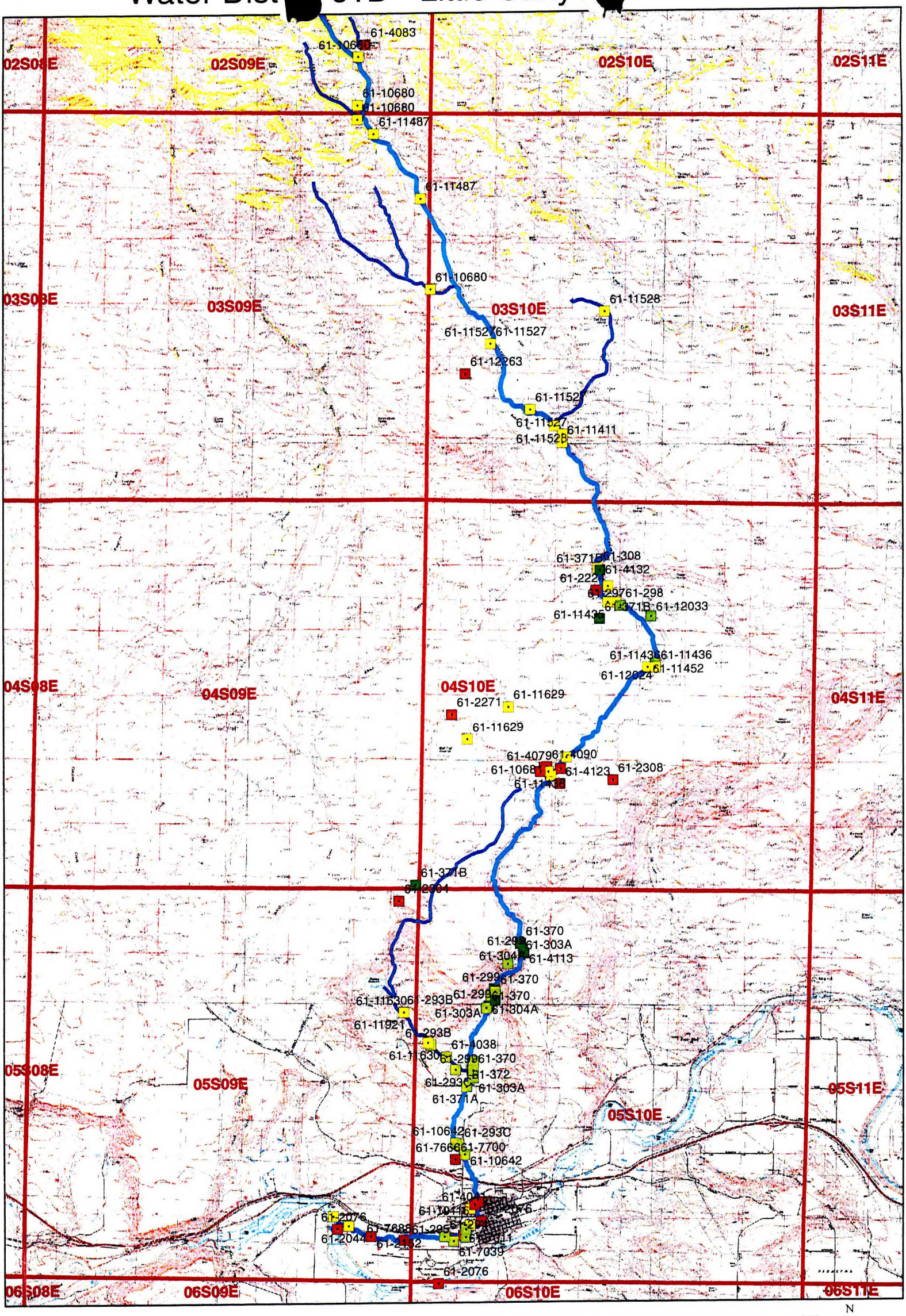
Legend

PODs PriorityYr 1871 - 1880 | 1881 - 1910 | 1911 - 1940 | 1941 - 1970 | 1971 - 2011

LittleCanyonCkTribs

LittleCanyonCk

Water Dist[redacted]t 61D - Little Canyo[redacted]Creek PODs



Legend

PODs PriorityYr 1871 - 1880 | 1881 - 1910 | 1911 - 1940 | 1941 - 1970 | 1971 - 2011

LittleCanyonCkTribs

LittleCanyonCk