

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 2-10462

Exam Date: 10/1/2015

1. Current Owner: Basin Land Project
PO Box 1582
Boise ID 83702

2. Accompanied by: Craig Castigneto

Phone No: 208-250-7148

Address:

Relationship to Permit Holder: Farm Manager for Allen Noble

3. SOURCE

Snake River

TRIBUTARY

Columbia River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 2-104, 2-2175A, 2-2175D, 2-2175E, 2-2197A, 2-10054, 2-10055, 2-10456 See attached overlap comparison sheet
2. Other water rights with the same point of diversion: 2-104, 2-2175A, 2-2175D, 2-2175E, 2-2197A, 2-10054, 2-10055, 2-10456 See attached overlap comparison sheet

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SNAKE RIVER L7(SWSWNE) Sec. 36, Twp 01N, Rge 03W, CANYON County

Method of Determination: ArcMap tools using PLSS maps over aerial imagery.

2. PLACE OF USE:

IRRIGATION within CANYON County

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	02W	19	39.0	39.0	39.0	40.0	39.0	39.0	40.0	40.0	40.0	39.0	40.0	40.0	39.0	39.0	40.0	40.0	632.0
							L1	L2			L3	L4							
01N	02W	20					38.0	39.0	40.0	32.0									149.0
01N	02W	29						37.0	40.0	39.0	38.0	39.0	40.0	39.0					272.0
01N	02W	30	40.0	40.0	40.0	40.0	40.0	40.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	630.0
								L1	L2			L3	L4						
01N	02W	31	39.0	39.0	39.0	40.0	35.0	39.0	29.0	40.0	5.0					11.0			316.0
							L1	L2											
01N	02W	32					39.0	39.0	39.0										117.0
01N	03W	23	37.0	38.0	40.0	37.0	39.0	38.0	39.0	40.0	39.0	19.0	2.0	34.0	37.0	39.0	39.0	38.0	555.0
01N	03W	24	38.0	38.0	31.0	37.0	39.0	39.0	39.0	39.0	40.0	39.0	39.0	39.0	38.0	38.0	39.0	38.0	610.0
01N	03W	25	38.0	40.0	40.0	39.0	40.0	40.0		24.0					32.0	24.0	10.0	34.0	361.0
01N	03W	26	40.0																40.0
01N	03W	36	22.0			11.0													33.0

POU Total Acres: 3,715.0

Method of Determination: POU describes acres under Basin & Land Project active water rights.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1	US Motors	600	HJ1030878		
2	US Motors	600	D-7007938		
3	US Motors	600	P0260382-001		
4	US Motors	600	C73669		
5	US Motors	600	1329718		
6	US Motors	600	D-7008422		
7	US Motors	600	B65434		
8	US Motors	600	D-7008435		

*Code to correspond with No. on diagram

Pump House Diagram:

1	5	NORTH ↓
2	6	
3	7	
4	8	

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Open Channel	Acoustic Doppler Current Profiler	Teledyne	StreamPro	432	2,000 kHz	

2. Measurements:
- Collected on-site during field exam.

E. FLOW CALCULATIONS☒ Additional Computation Sheets AttachedMeasured Method: Acoustic Doppler Current Profiler

See attached flow measurement data

Measurement = 79.2 cfs

Permit allowed = 25.28 cfs

License recommend for 25.28 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3,715 \times 4.5 = 16,717.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 25.28 \times 260 \times 1.9835 = 13,037.0$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 13,037.0$$

2. Volume Calculations for Other Uses: None.**G. NARRATIVE/REMARKS/COMMENTS**

The field exam was conducted by Corbin Knowles, Angie Grimm, Dennis Owsley and Patrick Kelly on October 1, 2015. Craig Castigneto of Allen Noble Farms escorted our group about the properties and ran the pump operations.

There are two pump stations on the north shore of the Snake River that pump water roughly 500 feet up the ridge to a ditch and pumping pond system. The pumping station upstream is the Hat-Butte diversion and the downstream station serves Basin & Land. The Basin & Land station has a total of eight pumps total; two of which are shared between the two pipelines. The two pipelines deliver water into two separate ditches. The west ditch delivers water to Hatt-Butte projects north of Melmont Road. The east ditch delivers water about the Basin & Land Project properties. There are a total of four pumping ponds where booster pumps feed pivots and wheel lines. These pumping ponds and booster stations are privately owned and operated by individual users on the ditch.

Clamp-on measuring devices were secured to both pipelines and prepared for measuring the diversion rate. Both the 30" and 32" carbon steel pipes had a 3/8" mortar liner. Diagnostics from our measuring devices showed P values were inconsistent and getting an accurate reading of flow rate proved to be unattainable using this method. Open channel measurements were completed by Dennis Owsley using a Teledyne Acoustic Doppler Current Profiler, (aka "the boat"). A total diversion of 79.2 cfs was found in the ditch using this method.

Permit 2-10462 authorized the irrigation of 3,715 acres already irrigated under active water rights. An existing combined use limit of 49.02 cfs limits the irrigation group (2-104, 2-2175A, 2-2175D, 2-2175E, 2-2197A, 2-10054, 2-10055, 2-10456) to 0.013 cfs per acre. Permit 2-10462 was filed to bring the diversion rate to a standard inch per acre. Combined use limits for 2-10462 comes from: 49.02 cfs + 25.28 cfs = 74.3 cfs AND since the 3,715 acres are a direct overlap, a limit of 3,715 acres is placed on the right. The shape for 2-10462 is a combination of all overlapping water rights (2-104, 2-2175A, 2-2175D, 2-2175E, 2-2197A, 2-10054, 2-10055, 2-10456).

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	3/1 – 11/15	25.28 CFS	13,037.0 AF
<u>Totals:</u>		25.28 CFS	13,037.0 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Patricia Kelly Date 10-1-2015
 Reviewer _____ Date _____

ation Name: basin land field exam

Date: 10/01/2015

Party:	Width: 11.0 ft	Processed by:
Boat/Motor:	Area: 22.6 ft²	Mean Velocity: 3.48 ft/s
Stage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 79.2 ft³/s

Area Method: Avg. Course	ADCP Depth: 0.230 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: Bottom Track	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U
MagVar Method: None (0.0°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft²	Diff.: 0.000%
Depth Sounder: Not Used	Top Est: Power (0.1667)	Control1: Unspecified	
Discharge Method: None		Control2: Unspecified	
% Correction: 0.00		Control3: Unspecified	

Screening Thresholds:		ADCP:	
BT 3-Beam Solution: YES	Max. Vel.: 7.00 ft/s	Type/Freq.: StreamPro / 2000 kHz	
MT 3-Beam Solution: YES	Max. Depth: 3.18 ft	Serial #: 432	Firmware: 31.13
BT Error Vel.: 0.33 ft/s	Mean Depth: 2.06 ft	Bin Size: 4 cm	Blank: 50 cm
MT Error Vel.: 1.41 ft/s	% Meas.: 42.53	BT Mode: 0	BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12	WT Pings: 6
MT Up Vel.: 3.00 ft/s	ADCP Temp.: 65.2 °F		
Use Weighted Mean Depth: YES			

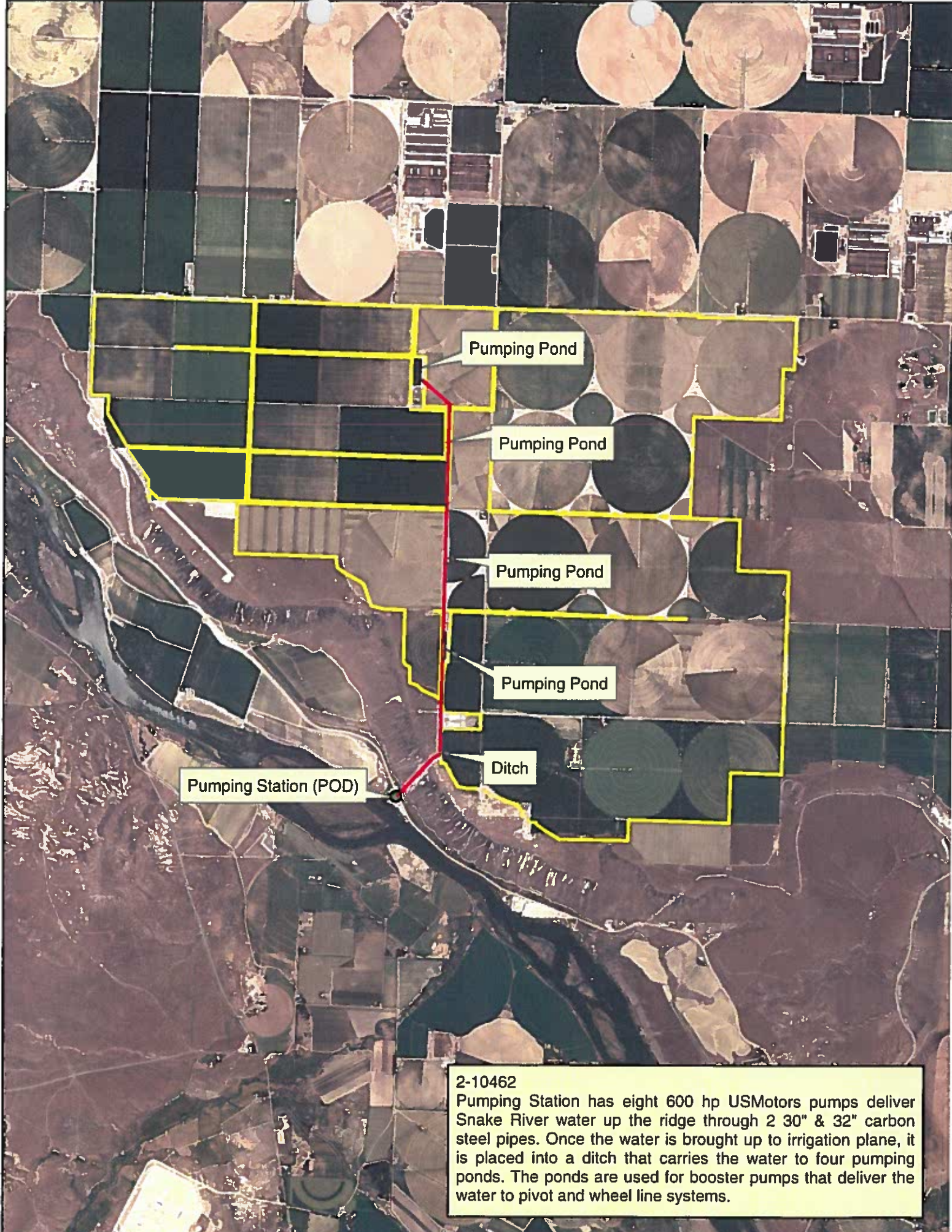
Performed Diag. Test: NO
 Performed Moving Bed Test: NO
 Performed Compass Calibration: NO Evaluation: NO
 Project Name: basin land field exam_0.mmt
 Software: 2.11

Meas. Location:

#	Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad	
	L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins
2 L	2	2	67	13.5	35.3	11.9	6.14	7.38	74.2	11	23	11:08	11:09	0.23	3.29	9	0
3 R	2	2	95	15.8	32.1	18.3	6.96	8.16	81.4	12	24	11:09	11:11	0.24	3.34	38	0
6 L	2	2	79	15.4	32.6	17.7	6.96	8.23	80.9	12	24	11:14	11:15	0.26	3.33	28	1
7 R	2	2	78	9.53	28.0	8.55	6.96	7.20	60.2	9	19	11:16	11:17	0.26	3.19	13	1
8 L	2	2	98	17.0	42.8	18.8	6.82	7.70	93.1	11	23	11:17	11:19	0.24	4.02	33	0
9 R	2	2	105	11.4	22.2	13.7	7.66	7.56	62.6	10	19	11:19	11:21	0.23	3.23	10	1
0 L	2	2	81	21.0	42.8	23.3	7.77	6.96	102	12	26	11:21	11:22	0.22	3.95	35	0
Mean	2	2	86	14.8	33.7	16.0	7.04	7.60	79.2	11	23	Total	00:14	0.24	3.48	23	0
Dev	0	0	13	3.78	7.49	4.96	0.547	0.472	15.1	1.3	2.6			0.01	0.35		
W/M	0.00	0.00	0.16	0.25	0.22	0.31	0.08	0.06	0.19	0.12	0.12			0.06	0.10		

marks:

Discharge for transects in *italics* have a total Q more than 5% from the mean



Pumping Station (POD)

Pumping Pond

Pumping Pond

Pumping Pond

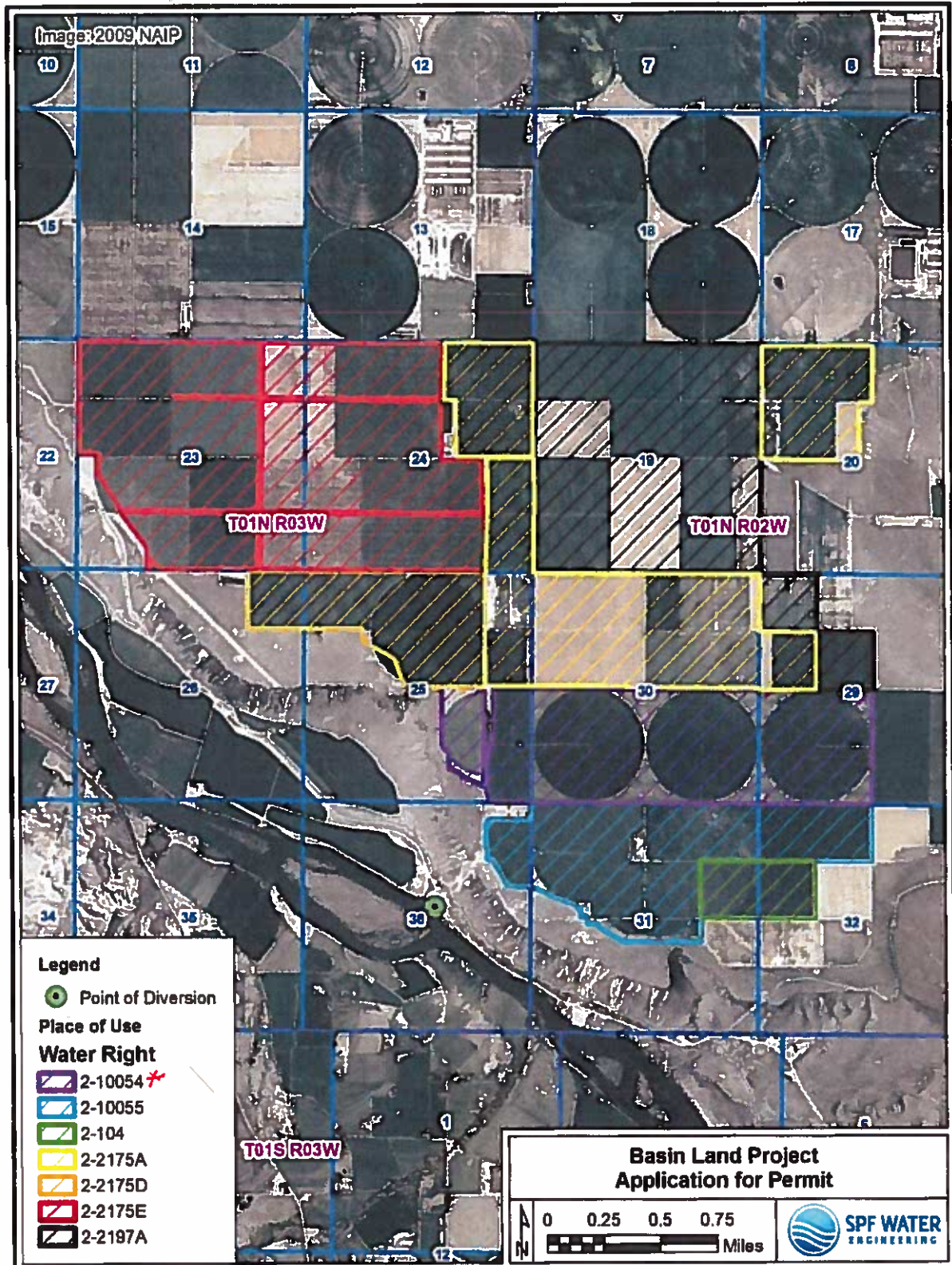
Pumping Pond

Ditch

2-10462

Pumping Station has eight 600 hp USMotors pumps deliver Snake River water up the ridge through 2 30" & 32" carbon steel pipes. Once the water is brought up to irrigation plane, it is placed into a ditch that carries the water to four pumping ponds. The ponds are used for booster pumps that deliver the water to pivot and wheel line systems.

Map



* SHAPE INCLUDES RIGHT 2-10456



Pumping station. Pumps are lined in two rows of four. Water is delivered above ridge in photo.



Snake River water is pumped into east ditch.



Dennis Owsley using Acoustic Doppler Current Profiler to measure water passing through Basin & Land ditch.



1 of 4 pond/booster stations.

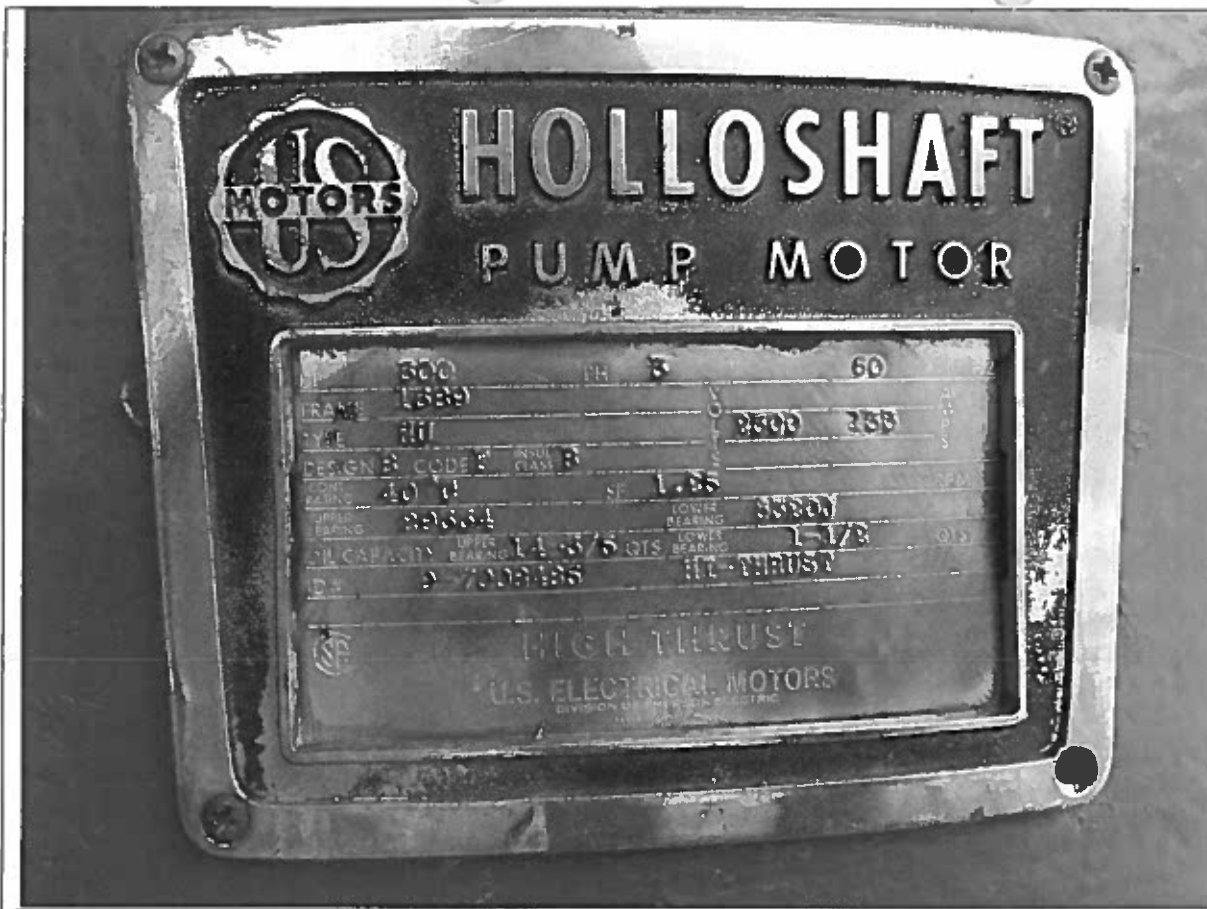


Pump ID # 1

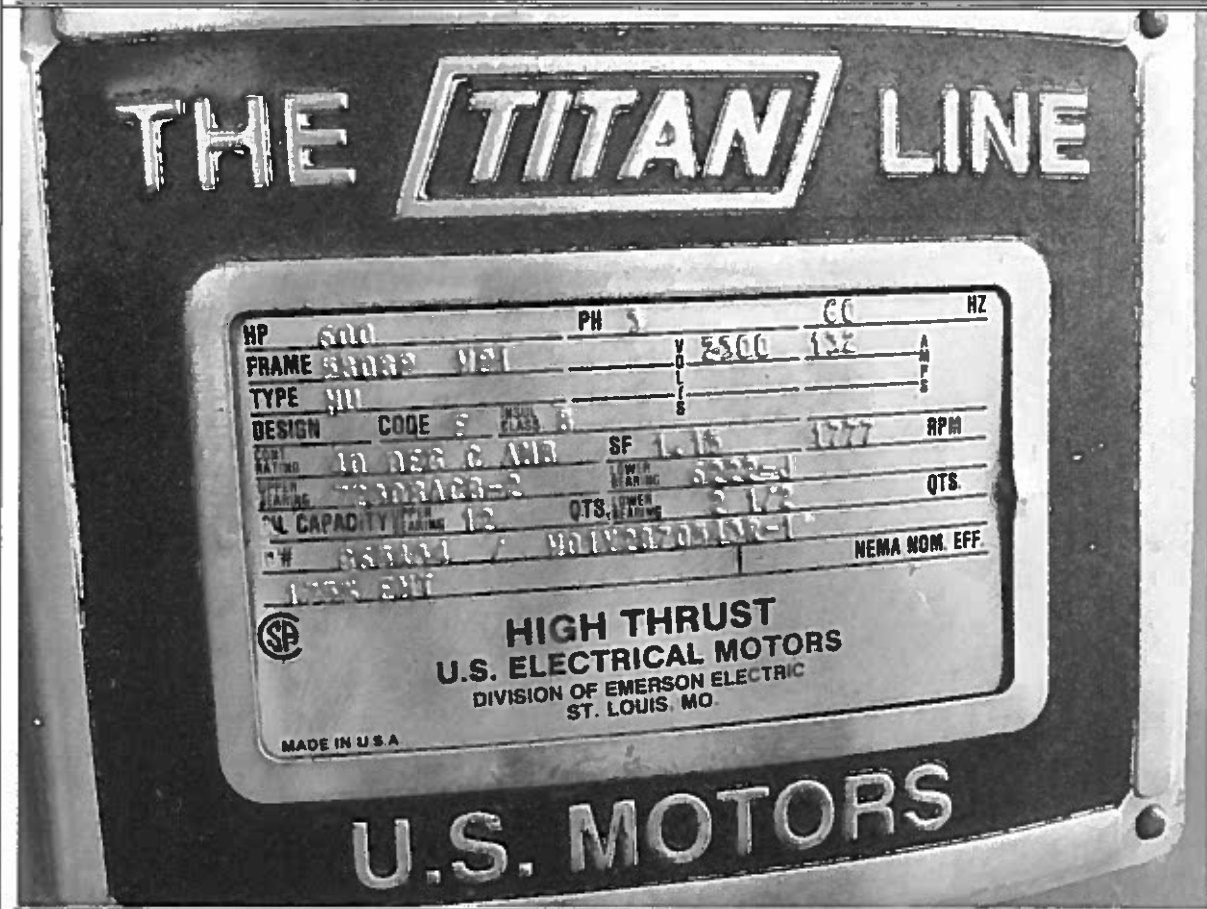


Pump ID # 2





Pump ID # 5



Pump ID # 6



Pump ID # 7



Pump ID # 8

1 N 2 W S 19

Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU	39.0	39.0	39.0	40.0	39.0	39.0	40.0	40.0	40.0	39.0	40.0	40.0	39.0	39.0	40.0	40.0	632
Water Right	2-2197A	N	JR SIMPLOT CO	SNAKE RIVER	POU	39.0	39.0	39.0	40.0	39.0	39.0	40.0	40.0	40.0	39.0	40.0	40.0	39.0	39.0	40.0	40.0	632

2-104	1.66	79	49.02
2-2175A	10.4	753	NL
2-2175D	2.86	234	NL
2-2175E	12.74	986	NL
2-2197A	9.3	708	49.02 (missing 2-10456)
2-10054	2.0	100	49.02
2-10055	6.16	387	NL
2-10456	9.36	468	49.02
	<u>53.87</u>	<u>3,715</u>	

COMBINED
USE = 49.02 cfs
LIMIT

PERMIT 2-10462 for 25.28 cfs

49.02 cfs
+ 25.28
74.30 cfs

74.3 cfs / 3,715 ac = 0.02 cfs/ac

9.3 cfs

1 M 2 W

SECTION 20

Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU					38.0	39.0	40.0	32.0									149
Water Right	2-2175A	N	J R SIMPLOT	SNAKE RIVER	POU					38.0	39.0	40.0	32.0									149
Water Right	2-2363	N	MELBA LAND CO TOO LLC	SNAKE RIVER	POU	9.0																9
Water Right	63-32544	N	GOOD, BRIAN J	GROUND WATER	POU									20.0								20
Water Right	63-3289	N	GOOD, BRIAN J	GROUND WATER	POU													20.0				20
Water Right	63-3309	N	GOOD, BRIAN J	GROUND WATER	POU													10.0				10
Water Right	63-3310	N	GOOD, JEFF	GROUND WATER	POU									40.0	40.0	40.0	38.0					158
Water Right	63-7381	N	GOOD, JEFF	GROUND WATER	POU									40.0	40.0	40.0	38.0					158

10.4

Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	2-10456	N	VANDER STELT TRUST, VANDER STELT MARITAL TRUST;	POU										39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	312
Water Permit	2-10462	N	VANDER STELT BASIN LAND PROJECT	POU	40.0	40.0	40.0	40.0	40.0	40.0	40.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	630
Water Right	2-2175A	N	JR SIMPLOT	POU	40.0	40.0	40.0	40.0	40.0	40.0	40.0	39.0	39.0									318

C.U.L. = 49.02 cfs

10 20 530

9.34 cfs

10-4 cfs

IN 2W 531

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	2-10055	N	NORTH CINDER CONE BUTTE FARM	POU	39.0	39.0	39.0	39.0	35.0	39.0	29.0	40.0	5.0	11.0	276	6.15						276
Water Right	2-104	N	NORTH CINDER CONE BUTTE FARM	POU				40.0														40
Water Permit	2-10462	N	BASIN LAND PROJECT JONES, MICHAELA L.	POU	39.0	39.0	39.0	40.0	35.0	39.0	29.0	40.0	5.0	11.0	316	24						316
Water Right	2-10511	N	JONES, STEVE J R SIMPLOT	POU												5.0						5
Water Right	2-2294	N	HÄRKER, CYNTHIA; HÄRKER, MERITT S	POU													27.6					27.6
Water Right	63-21257	N	GROUND WATER	POU					X													0

C.U.L. = 49.02 cfs

1 N 3 W 5 23

Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU	37.0	38.0	40.0	37.0	39.0	38.0	39.0	40.0	39.0	19.0	2.0	34.0	37.0	39.0	39.0	38.0	555
Water Right	2-2175E	N	ALLEN NOBLE FARMS INC	SNAKE RIVER	POU	37.0	38.0	40.0	37.0	39.0	38.0	39.0	40.0	39.0	19.0	2.0	34.0	37.0	39.0	39.0	38.0	555

C.U.L = 49.02 cfs

12.74 cfs

IN 3W S24

Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permi	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU	38.0	38.0	31.0	37.0	39.0	39.0	39.0	39.0	40.0	39.0	39.0	39.0	38.0	38.0	39.0	38.0	610
Water Right	2-2175A	N	J R SIMPLOT	SNAKE RIVER	POU	38.0	23.0	16.0	37.0									34.0			31.0	179
Water Right	2-2175E	N	ALLEN NOBLE FARMS INC	SNAKE RIVER	POU		15.0	15.0		39.0	39.0	39.0	39.0	40.0	39.0	39.0	39.0	4.0	38.0	39.0	7.0	431

C.U.L. = 49.02 ds

10.4 ds
12.74 cfs

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres	
Water Right	2-10054	N	IDAHO RIM PROPERTY	SNAKE RIVER	POU												32.0	24.0	10.0	34.0	100	2 cfs	
Water Permit	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU	38.0	40.0	40.0	39.0	40.0	40.0		24.0				32.0	24.0	10.0	34.0	361		
Water Right	2-2175A	N	J R SIMPLOT	SNAKE RIVER	POU	33.0			34.0													67	10.4 cfs
Water Right	2-2175D	N	BRANDT, DONALD K. BRANDT, JOHN NICHOLSON, THOMAS T	SNAKE RIVER	POU	5.0	40.0	40.0	5.0	40.0	40.0	24.0										194	2.46 cfs
Water Right	2-7442	N	NICHOLSON, THOMAS T	SNAKE RIVER	POU									3.0	35.0	10.0						48	
Water Right	2-7464	N	TFILTD PARTNERSHIP	SNAKE RIVER	POU									3.0	35.0	10.0						48	
Water Right	2-7464	N	TFILTD PARTNERSHIP	SNAKE RIVER	POU									X	X	X						0	
Water Right	63-23260	N	BROWN, ELLA F. BROWN, ROSCOE I	GROUND WATER	POU X																	0	
Water Right	63-2663	N	TFILTD PARTNERSHIP	GROUCH DRAIN	POU										23.0	7.0						30	
Water Right	63-2699	N	TFILTD PARTNERSHIP	GROUND WATER	POU									6.0	39.0	15.0						60	
Water Right	63-33765	Y	CARL V. NICHOLSON, THOMAS T	WASTE WATER	POU									5.0	15.0	17.0						37	
Water Right	63-356	N	TFILTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU									6.0	39.0	15.0						60	
Water Right	63-357	N	TFILTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU									6.0	39.0	15.0						60	
Water Right	63-358	N	TFILTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU										38.0							38	

IN 300 S 25

C.V.V. = 49.02 cfs

67 10.4 cfs
194 2-86 cfs

IN 3W 526

Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU	40.0																40
Water Right	2-2175D	N	BRANDT, DONALD K. BRANDT, JOHN	SNAKE RIVER	POU	40.0																40
Water Right	2-7442	N	NICHOLSON, THOMAS T	SNAKE RIVER	POU		1.0			1.0	17.0	25.0	25.0	36.0	18.0	3.0	28.0	8.0	28.0	36.0	35.0	261
Water Right	2-7464	N	TFILTD PARTNERSHIP	SNAKE RIVER	POU		1.0			1.0	17.0	25.0	25.0	36.0	18.0	3.0	28.0	8.0	28.0	36.0	35.0	261
Water Right	2-7464	N	TFILTD PARTNERSHIP	SNAKE RIVER	POU			X		X	X	X	X	X	X	X	X	X	X	X	X	0
Water Right	63-2663	N	TFILTD PARTNERSHIP	GROUCH DRAIN	POU						11.0	12.0	9.0	24.0	9.0		10.0		15.0	23.0	21.0	134
Water Right	63-2699	N	TFILTD PARTNERSHIP	GROUCH WATER	POU						13.0	25.0	21.0	38.0	13.0		32.0	14.0	27.0	34.0	36.0	253
Water Right	63-356	N	TFILTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU						13.0	25.0	21.0	38.0	13.0		32.0	14.0	27.0	34.0	36.0	253
Water Right	63-357	N	TFILTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU						13.0	25.0	21.0	38.0	13.0		32.0	14.0	27.0	34.0	36.0	253
Water Right	63-358	N	TFILTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU						15.0	25.0	23.0	40.0	17.0		34.0		30.0	35.0	38.0	257

C. U. L. = 49.02 cfs

2-86 cfs

1 N 3 W S 36

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	MENE	NWNE	SWNE	SENE	NEWW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	2-10055	N	NORTH CINDER CONE BUTTE FARM LLC	SNAKE RIVER	POU	22.0		11.0														33
Water Permit	2-10462	N	BASIN LAND PROJECT	SNAKE RIVER	POU	22.0		11.0														33
Water Right	2-14	N	REYNOLDS IRRIGATION DISTRICT	SNAKE RIVER	POU									X	X	X			X	X		0
Water Right	2-2061	N	HOOK FAMILY LTD PARTNERSHIP	SNAKE RIVER	POU									21.0		37.0			21.0			79
Water Right	2-2086	N	HOOK FAMILY LTD PARTNERSHIP	SNAKE RIVER	POU									21.0		47.0			40.0	13.0		121
Water Right	2-2258	N	REYNOLDS IRRIGATION DISTRICT	SNAKE RIVER	POU									X	X	X			X	X		0
Water Right	2-66	N	REYNOLDS IRRIGATION DISTRICT	SNAKE RIVER	POU									X	X	X			X	X		0
Water Right	2-7442	N	NICHOLSON, THOMAS T	SNAKE RIVER	POU																	44
Water Right	2-7464	N	TFLTD PARTNERSHIP	SNAKE RIVER	POU									12.0	19.0	3.0			10.0			44
Water Right	2-7464	N	TFLTD PARTNERSHIP	SNAKE RIVER	POU									X	X	X			X			0
Water Right	57-11572	N	HOOK FAMILY LTD PARTNERSHIP	REYNOLDS CREEK	POU																	35
Water Right	57-2041	N	HOOK FAMILY LTD PARTNERSHIP	REYNOLDS CREEK	POU																	35
Water Right	63-2663	N	TFLTD PARTNERSHIP	GROUCH DRAIN	POU									10.0	12.0							22
Water Right	63-2699	N	TFLTD PARTNERSHIP	GROUCH WATER	POU									2.0	20.0	21.0	1.0		14.0			58
Water Right	63-31625	N	AIR STORAGE INC	GROUCH WATER	POU	X																0
Water Right	63-33765	Y	NICHOLSON, CARL V. THOMAS T	WASTE WATER	POU									3.0								3
Water Right	63-356	N	TFLTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU									2.0	20.0	21.0	1.0		14.0			58
Water Right	63-357	N	TFLTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU									2.0	20.0	21.0	1.0		14.0			58
Water Right	63-358	N	TFLTD PARTNERSHIP	GROUCH DRAIN, GROUND	POU									3.0	20.0	20.0			14.0			57

6.15 cfs

C. u. l. = 49.02 cfs