



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

September 3, 2013

US DEPT OF INTERIOR
BUREAU OF RECLAMATION
1150 N CURTIS RD STE 100
BOISE ID 83706-1234

RE: License No. 65-23046

Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-287-4916.

Sincerely,

Craig L. Saxton

Water Rights Supervisor

Enclosure(s)

CERTIFICATE OF SERVICE

I hereby certify that on September 4, 2013, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved License) to the person(s) listed below:

RE: WATER RIGHT NO.

65-23046

**US DEPT OF INTERIOR
BUREAU OF RECLAMATION
1150 N CURTIS RD STE 100
BOISE ID 83706-1234**



**Darla Block
Technical Records Specialist**

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 65-23046

Priority: June 06, 2006

Maximum Diversion Rate: 0.07 CFS
Maximum Diversion Volume: 13.2 AF

It is hereby certified that US DEPT OF INTERIOR
BUREAU OF RECLAMATION
1150 N CURTIS RD STE 100
BOISE ID 83706-1234 has complied with the terms and conditions of the
permit, issued pursuant to Application for Permit dated June 06, 2006; and has submitted Proof of
Beneficial Use on March 01, 2012. An examination confirms water is diverted from:

SOURCE

GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF
IRRIGATION	04/15 to 10/31	0.07 CFS	12.6 AF

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SW¼NE¼ Sec. 32, Twp 16N, Rge 03E, B.M. VALLEY County

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
16N 03E 32		X	X	X													
		L 2		L 3													

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
16N 03E 32		.9	1.3	2.0													4.2
		L 2		L 3													

Total Acres: 4.2

CONDITIONS OF APPROVAL

1. This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the lands above.
2. Domestic use is for Lake Cascade State Park, Buttercup Unit. Irrigation of lawn, garden and landscaping associated with the project is authorized under the irrigation component of this right.

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 65-23046

3. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 3rd day of September, 2013.

Gary L. Spackman
For GARY SPACKMAN
Director

State of Idaho
Department of Water Resources
Attachment To Water Right License
65-23046

This map depicts the DOMESTIC place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.0375 0.075 0.15 Miles



State of Idaho
Department of Water Resources
Attachment To Water Right License
65-23046

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.0425 0.085 0.17 Miles



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 65-23046

Exam Date: 12/13/12

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)?
- X
- Y
-
- N

a. Irrigation of 5 acres or less

b. Storage of up to 14.6 AF for stockwater purposes only

c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less

d. Other < >

2. Current Owner: Name: BOR

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No: Address

3. Beneficial Use Fees have been paid:
- Y
- Y
-
- N Receipt No: C094769

4. **SOURCE****TRIBUTARY**

Groundwater

< >

Method of Determination: Documentation provided by permit holder.

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
- X
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 65-9650, 65-12900, 65-7716, 65-9554, 65-12352, 65-12900, 65-16007, 65-17105, 65-17329, 65-17381, 65-17531, 65-17720, 65-665, 65-8116, 65-8329, 65-17289, & 65-17395 are for individual lots in the Royal Scot Subdivision.

2. Other water rights with the same point of diversion:
- X
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 65-9650 & 65-12900 have a source of unnamed stream. 65-7716, 65-9554, 65-12352, 65-12900, 65-16007, 65-17105, 65-17329, 65-17381, 65-17531, 65-17720, 65-665, 65-8116, 65-8329, 65-17289, & 65-17395 are for individual lots in the Royal Scot Subdivision.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater			SW	NE	32	16N	03E	B.M.	Valley

Method of Determination: Documentation provided by permit holder.

Change in POD? Y X N Amendment Required? Y X N

2. **PLACE OF USE:** Use: Irrigation & Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16N	03E	32		0.9	1.3	2.0													4.2
		Lot #		2		3													
Total Acres =																			4.2

Method of Determination: GIS Imagery

Change in POU? ____Y__X__N Amendment Required? ____Y__X__N

3. ____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

____ Aerial Photo Attached (required for irrigation of 10+ acres).

____ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: < _____ >

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

0.02 cfs = 1 inch per acre (IDWR standard) 4.2 acres(0.02 cfs) = 0.08 cfs at 1 inch per acre

Unable to identify well log for this well. Per standard for well construction as provided by the permit holder, well was to have a pumping capacity of no more than 30 gal/min.

448.83 is IDWR standard for gal/min to cfs conversion.

30 gal/min divided by 448.83 = 0.07 cfs

Measurement = 0.07 cfs**Permit allowed = 0.08 cfs irrigation and 0.04 cfs for domestic.****License recommend for 0.07 cfs irrigation and 0.04 cfs for domestic.****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4.2 \times 3 = 12.6$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.08 \times 200 \times 1.9835 = 27.8$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12.6$$

2. Volume Calculations for Other Uses:

Per Licensing Memo #4, 0.6 afa is to be used for domestic use on BLM and USFS Campgrounds

License recommend for 0.6 afa domestic and 12.6 afa irrigation.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes ☐ campground _____

Other: < >

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: Campground visible on GIS Imagery.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

No 13,000 gal/day condition on permit hence recommend with a volume.

In Water District 65

Headgate: 3, Consumptive Use: 2

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

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	04/15 to 10/31	0.07 CFS	12.6 AF
Domestic	01/01 to 12/31	0.04 CFS	0.6 AF
<u>Totals:</u>		0.07 CFS	12.6 AF

13.2 CFS
9-3-13

2. Recommended Amendments

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

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ X None

Other: < >

J. AUTHENTICATION

Field Examiner's Name Daivall Bruce-James Date 08/28/13

Reviewer Long L. Suter Date 9-3-13

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 65-23046
 Examiner: D. Favreau
 Date of Field Exam: 8/27/2013

P/D No.:	Option 1	OPTION 2	OPTION 3	
PUMP HORSEPOWER	1.5	1.5	1.5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	100	100	100	
DISCHARGE PRESSURE	40	50	60	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.05	0.04	0.04	AVE
(gpm)	21.6	19.2	17.4	0.04

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.

Examiners Notes:

Lift and HP provided by permit holder. A standard psi for domestic use of 40 to 60 psi was used to estimate the pressure against the pump.

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 65-23046
 Examiner: D. Favreau
 Date of Field Exam: 8/27/2013

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	1	1	1	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	100	100	100	
DISCHARGE PRESSURE	40	50	60	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.03	0.03	0.03	AVE
(gpm)	14.4	12.8	11.6	0.03

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.

Examiners Notes:

Lift and HP provided by permit holder. A standard psi for domestic use of 40 to 60 psi was used to estimate the pressure against the pump.

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 65-23046
 Examiner: D. Favreau
 Date of Field Exam: 8/27/2013

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	1	1	1	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	75	75	75	
DISCHARGE PRESSURE	40	50	60	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.04	0.03	0.03	AVE
(gpm)	16.5	14.5	12.9	0.03

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.

Examiners Notes:

Lift and HP provided by permit holder. A standard psi for domestic use of 40 to 60 psi was used to estimate the pressure against the pump.

Process	Basin Sequence	Draft	Owner	Source	POD/POU	16N03E32	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	65-22357	N	TAMARACK RESORT LLC	GROUND WATER	POU										X	X	X	X			X	X	0
Water Permit	65-22882	N	NORTH LAKE RECREATIONA L SEWER & WATER DISTRICT	GROUND WATER	POU														X				0
Water Permit	65-23044	N	US DEPT OF INTERIOR	GROUND WATER	POU																	X	0
Water Permit	65-23046	N	US DEPT OF INTERIOR	GROUND WATER	POU			X	X	X													0
Water Right	65-10252	N	ROPER, HARVEY L	GROUND WATER	POU														X				0
Water Right	65-12352	N	KYLE, MICHAEL D; KYLE, RICHARD E	GROUND WATER	POU				X														0
Water Right	65-12900	N	HINKLE, CHARLES E; HINKLE, JOANNE A	UNNAMED STREAM	POU				X														0
Water Right	65-13487	N	TINES, DOROTHY M; TINES, EDWIN D	GROUND WATER	POU																X		0
Water Right	65-16007	N	WILLIAMS, DELORES G; WILLIAMS, MARVIN D	GROUND WATER	POU				X														0
Water Right	65-17023	N	WIESEMANN, DIETER W	GROUND WATER	POU																	X	0
Water Right	65-17095	N	ALLRED, FRANCIS L; ALLRED, GLADYS E	GROUND WATER	POU															X			0
Water Right	65-17105	N	WOODS, DOROTHY J; WOODS, FLOYD H	GROUND WATER	POU										X								0
Water Right	65-17180	N	ALLEN, HAROLD R; ALLEN, JEAN I	GROUND WATER	POU							X											0

Water Right	65-17222	N	CARLBERG, DONALD W; CARLBERG, PATRICIA H	GROUND WATER	POU															X		0
Water Right	65-17255	N	COOK, AUDREY	GROUND WATER	POU															X		0
Water Right	65-17289	N	FULWYLER, NILES J	GROUND WATER	POU			X														0
Water Right	65-17329	N	HINKLE, CHARLES E; HINKLE, JOANNE A	GROUND WATER	POU				X													0
Water Right	65-17363	N	LANPHEAR, ARLENE L; LANPHEAR, DON R	GROUND WATER	POU												X					0
Water Right	65-17381	N	HUGH C EGBERT TRUST; JOSEPHINE EGBERT TRUST	GROUND WATER	POU				X													0
Water Right	65-17395	N	CREW, ELMER C; CREW, LOUELLA M	GROUND WATER	POU			X														0
Water Right	65-17531	N	FRANCONE, EUGENE; FRANCONE, MATTIE N	GROUND WATER	POU				X													0
Water Right	65-17650	N	JARDINE, JERRY D; JARDINE, MARY AN	GROUND WATER	POU															X		0
Water Right	65-17720	N	MOYER, ELIZABETH A; MOYER, PAUL D	GROUND WATER	POU				X													0
Water Right	65-17788	N	SUNDERLAND, JAMES L	GROUND WATER	POU															X		0
Water Right	65-17844	N	SHROLL, LYLE E; SHROLL, NORMA L	GROUND WATER	POU																X	0

Water Right	65-17866	N	GARRISON, ARTHUR W; GARRISON, MARILYN M	GROUND WATER	POU															X			0
Water Right	65-23358	N	ESTATE OF JOE MARGARET SLIFKA	UNNAMED STREAMS	POU						1.0		19.5	27.0	40.0	10.5							98
Water Right	65-23359	N	MARY JO ANN MILLER LIVING TRUST	UNNAMED STREAMS	POU					X													0
Water Right	65-6655	N	MOSIER, JO M; MOSIER, WILLIAM LEWIS	GROUND WATER	POU			X															0
Water Right	65-7708	N	ANGELL, VADRA D	GROUND WATER	POU															X			0
Water Right	65-7716	N	FRANCOME, GENE; FRANCOME, MATTIE; LARSEN, ELAINE E; LARSEN, LA VERNE R	GROUND WATER	POU				X														0
Water Right	65-7801	N	MAXWELL, DORIS J	GROUND WATER	POU															X			0
Water Right	65-8116	N	SCHUGT, CHARLES H	GROUND WATER	POU			X															0
Water Right	65-8329	N	MAXWELL, DORIS J	GROUND WATER	POU			X															0
Water Right	65-9554	N	WESTHUSIN, MARVIN G	GROUND WATER	POU				X														0
Water Right	65-9650	N	HUNT, BETTY	UNNAMED STREAM	POU				X														0
Water Right	65-9718	N	PACE, MARGARET	GROUND WATER	POU																X		0
Water Right	65-9776	N	SHROLL, ARDIS P; SHROLL, DALE L	GROUND WATER	POU																X		0

Process	Basin Sequence	Draft	Owner	Source	POD/POU	16N03E32	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	65-9776	N	SHROLL, ARDIS P; SHROLL, DALE L	GROUND WATER	POD																	X	0
Water Right	65-9718	N	PACE, MARGARET	GROUND WATER	POD																	X	0
Water Right	65-9650	N	HUNT, BETTY	UNNAMED STREAM	POD				X														0
Water Right	65-9554	N	WESTHUSIN, MARVIN G	GROUND WATER	POD				X														0
Water Right	65-8329	N	MAXWELL, DORIS J	GROUND WATER	POD			X															0
Water Right	65-8116	N	SCHUGT, CHARLES H	GROUND WATER	POD			X															0
Water Right	65-7801	N	MAXWELL, DORIS J	GROUND WATER	POD																X		0
Water Right	65-7716	N	FRANCOME, GENE; FRANCOME, MATTIE; LARSEN, ELAINE E; LARSEN, LA VERNE R	GROUND WATER	POD				X														0
Water Right	65-7708	N	ANGELL, VADRA D	GROUND WATER	POD																X		0
Water Right	65-6655	N	MOSIER, JO M; MOSIER, WILLIAM LEWIS	GROUND WATER	POD			X															0
Water Right	65-23359	N	MARY JO ANN MILLER LIVING TRUST	UNNAMED STREAMS	POD								X										0
Water Right	65-23358	N	ESTATE OF JOE MARGARET SLIFKA	UNNAMED STREAMS	POD								X										0
Water Right	65-17866	N	GARRISON, ARTHUR W; GARRISON, MARILYN M	GROUND WATER	POD															X			0

Water Right	65-17844	N	SHROLL, LYLE E; SHROLL, NORMA L	GROUND WATER	POD																	X	0
Water Right	65-17788	N	SUNDERLAND, JAMES L	GROUND WATER	POD																X		0
Water Right	65-17720	N	MOYER, ELIZABETH A; MOYER, PAUL D	GROUND WATER	POD				X														0
Water Right	65-17650	N	JARDINE, JERRY D; JARDINE, MARY AN	GROUND WATER	POD																X		0
Water Right	65-17531	N	FRANCONE, EUGENE; FRANCONE, MATTIE N	GROUND WATER	POD				X														0
Water Right	65-17395	N	CREW, ELMER C; CREW, LOUELLA M	GROUND WATER	POD				X														0
Water Right	65-17381	N	HUGH C EGBERT TRUST; JOSEPHINE EGBERT TRUST	GROUND WATER	POD				X														0
Water Right	65-17363	N	LANPHEAR, ARLENE L; LANPHEAR, DON R	GROUND WATER	POD														X				0
Water Right	65-17329	N	HINKLE, CHARLES E; HINKLE, JOANNE A	GROUND WATER	POD				X														0
Water Right	65-17289	N	FULWYLER, NILES J	GROUND WATER	POD				X														0
Water Right	65-17255	N	COOK, AUDREY	GROUND WATER	POD																X		0
Water Right	65-17222	N	CARLBERG, DONALD W; CARLBERG, PATRICIA H	GROUND WATER	POD																X		0

Water Right	65-17180	N	ALLEN, HAROLD R; ALLEN, JEAN I	GROUND WATER	POD								X											0
Water Right	65-17105	N	WOODS, DOROTHY J; WOODS, FLOYD H	GROUND WATER	POD				X															0
Water Right	65-17095	N	ALLRED, FRANCIS L; ALLRED, GLADYS E	GROUND WATER	POD													X						0
Water Right	65-17023	N	WIESEMANN, DIETER W	GROUND WATER	POD																X			0
Water Right	65-16007	N	WILLIAMS, DELORES G; WILLIAMS, MARVIN D	GROUND WATER	POD				X															0
Water Right	65-13487	N	TINES, DOROTHY M; TINES, EDWIN D	GROUND WATER	POD															X				0
Water Right	65-12900	N	HINKLE, CHARLES E; HINKLE, JOANNE A	UNNAMED STREAM	POD				X															0
Water Right	65-12352	N	KYLE, MICHAEL D; KYLE, RICHARD E	GROUND WATER	POD				X															0
Water Right	65-10252	N	ROPER, HARVEY L	GROUND WATER	POD													X						0
Water Permit	65-23046	N	US DEPT OF INTERIOR	GROUND WATER	POD				X															0
Water Permit	65-23044	N	US DEPT OF INTERIOR	GROUND WATER	POD																X			0
Water Permit	65-22357	N	TAMARACK RESORT LLC	GROUND WATER	POD										X									0

Water Right Search

All in Royal Scot Sub Division Block 1

WR	Lot		WR	Lot		WR	Lot
65-8329	17		65-7716	41		65-17105	57
65-8116	56		65-9554	40 & 43		65-17329	64&65
65-6655	35		65-9650	4, 14, & 15		65-17381	84
65-17395	13		65-12352	48		65-16007	61
65-17289	52, 54, & 55		65-12900	64&65		65-17531	42
						65-17720	66

Well Search

Name	Well ID	Parcel #	Address	Lot	Block	
Raymond Hibbens	290011	RP002260030020	2177 W. Mountain Rd.	2		
Lee Murdock	293735	RP00219000021A	2211 Davy Rd.	21&22	1	
Thomas Dickerson	290696	RP002190000160	2230 Highland	16	1	
Ockunzzi	293785	RP002190000330	2221 Highland Rd	33	1	
Peter Bolz	341173	RP002190000080	2217 W. Mountain	8	1	
Lynn Lee Perkins	395398	RP002190000260	12 King Rd	26	1	
Terry Sunderland	294176	RP002190000880	15 King Rd	88	1	
Donner	294068 & 359352	RP00219000024A	16 King	25	1	
Honeycutt	294648	RP00219000049A	2197 W. Mountain	49	1	
Wallace	349051	RP00219000048A	4 Andy Ln.	48	1	
Olen	356817	RP002190000360	2209 Lowland Rd.	36	1	
Dewaard	383483	RP00219000056C	2209 W. Mountain	56,58,59	1	

Favreau, Danielle

From: McGarry, Elizabeth [emcgarry@usbr.gov]
Sent: Tuesday, August 27, 2013 6:02 PM
To: Favreau, Danielle
Subject: Correcting my previous email Re: 65-23046 Buttercup Cascade State Park

Resending - on the above I was intending to reference 65-23046, not 23045

E. Gail McGarry
Program Manager Water Rights and Acquisition
PN-3100, Bureau of Reclamation Pacific Northwest Region
1150 North Curtis Road, Suite 100
Boise, ID 83706
208-378-5306

On Tue, Aug 27, 2013 at 5:58 PM, McGarry, Elizabeth <emcgarry@usbr.gov> wrote:
For 65-23045, 0.07 cfs for irrigation and 0.04 cfs is good with us.

(Dan's email below references both 0.06 and 0.07 for Buttercup, but his paragraph referencing the 0.07 cfs makes sense to us.)

Gail

E. Gail McGarry
Program Manager Water Rights and Acquisition
PN-3100, Bureau of Reclamation Pacific Northwest Region
1150 North Curtis Road, Suite 100
Boise, ID 83706
208-378-5306

On Tue, Aug 20, 2013 at 10:34 AM, Favreau, Danielle <Danielle.Favreau@idwr.idaho.gov> wrote:

Hi Gail,

If you cannot get the well plate, do you have documentation on the horsepower of the pumps?

I ran what you gave me by my Water Rights Supervisor. You can read his conclusions below. We can see what we can do with what we have if you are agreeable.

Let me know.

Danielle

From: Nelson, Dan
Sent: Thursday, August 15, 2013 8:14 AM
To: Favreau, Danielle
Subject: RE: 65-23046, 65-23047, 65-22722

Danielle,

This information is very limited. Having the horsepower for the pump would be the ideal situation. However, if she doesn't have it, then I think we just have to go with what we have.

65-23045 – well log has a pump test at 27 gpm. $27 \text{ gpm} / 448.8 = 0.06 \text{ cfs}$. This matches the specs she sent in asking the pump installer to keep the well to 30 gpm. Using the well log for pumping water level, I calculated that they would need a 1.5 Hp pump to get 27.8 gpm. This seems reasonable.

65-23046 – I couldn't find a well log, and the well information she provided for section 32 was for a different 40 acre tract. I found the well log for the information she provided, but that well was drilled in 1977. I don't have any information on the well for this water right. However, if she wants to limit this well to 30 gpm, we could reduce her water right to that amount. That would give her 0.07 cfs for irrigation, 0.04 cfs for domestic, and a total of 0.07 cfs.

65-22722 – The application for permit on this one states that 0.5 Hp pump will be used to deliver a .5 gpm yield. One of the three well logs show a 0.5 gpm yied at 198 feet, with a static of 5.2 feet. If you do WAG (Wild Assuming Guess) pumping level of 97 feet. That would provide 0.01 cfs, which is the minimum amount we could give.

I would email her back and ask if she would accept the following diversion rates:

65-23045 – 0.06 irrigation – 0.04 cfs domestic – 0.06 total

65-23046 – 0.06 irrigation – 0.04 cfs domestic – 0.06 total

65-22722 – 0.01 irrigation – 0.01 cfs domestic – 0.01 total

I would tell her that with the information that you were given, this is the best that you can do without the **well horsepower and the actual well logs** for the wells associated with 65-23046 and 65-22722. Tell her you will try to run it by your Bureau Chief, and see if he will bite off on these, but the information is pretty weak. If she is agreeable, I suggest we run these numbers by Shelley and see if he will go for them.

That is the best that I can offer right now. I hope this helps. You can pass this email onto her if you like.

Daniel A. Nelson

Staff Hydrologist

Idaho Department of Water Resources

Telephone # (208) 287-4856

Fax (208) 287-6700 (C/O Dan Nelson)

From: Favreau, Danielle
Sent: Thursday, August 15, 2013 6:36 AM
To: Nelson, Dan
Subject: FW: 65-23046, 65-23047, 65-22722

Hi Dan,

Please review the pump info Gail supplied. Please see if it is enough to get system capacity info. The files are in my drawer.

See you Monday.

Danielle

From: McGarry, Elizabeth [<mailto:emcgarry@usbr.gov>]
Sent: Wed 8/14/2013 6:25 PM
To: Favreau, Danielle
Subject: 65-23046, 65-23047, 65-22722

Danielle,

The pumps at Huckleberry and Buttercup are submersible, and Parks would have to get someone to pull them out to get the nameplate information.

The attached is from our specs and standing operating procedures information for Buttercup. We are looking for more info and info for Huckleberry, but let me know if this would suffice for Buttercup.

Also on 65-22722, - the group that went up a couple weeks ago didn't have GPS, but are taking it this week, so we should have the Deadwood info shortly.

E. Gail McGarry

Program Manager Water Rights and Acquisition

PN-3100, Bureau of Reclamation Pacific Northwest Region

1150 North Curtis Road, Suite 100

Boise, ID 83706

208-378-5306

Buttercup Campground (Formerly Whispering Pines): Information in the specification is limited, because the well was developed and tested by the contractor, with results not posted in the spec. The spec calls for 6" casing, 75-ft to 150-ft deep, with a 2 ½" water supply line from the well to well house and out to the camp. Submersible pump horsepower and flow rate is not given in the spec, since this depended on the test results by the contractor. A rough approximation can be inferred, because the contractor was required to supply a test pump capable of discharging up to 30 gal/min at a head of 100 feet, which would require approximately 1 hp. See attached drawing 5-100-887, of the well house, and 3-100-886 of the well casing.

REPRESENTATIVE WELL LOGS

PER AREA

IRON CREEK WELL (15N/3E-5 add 1) TOTAL DEPTH - 184'

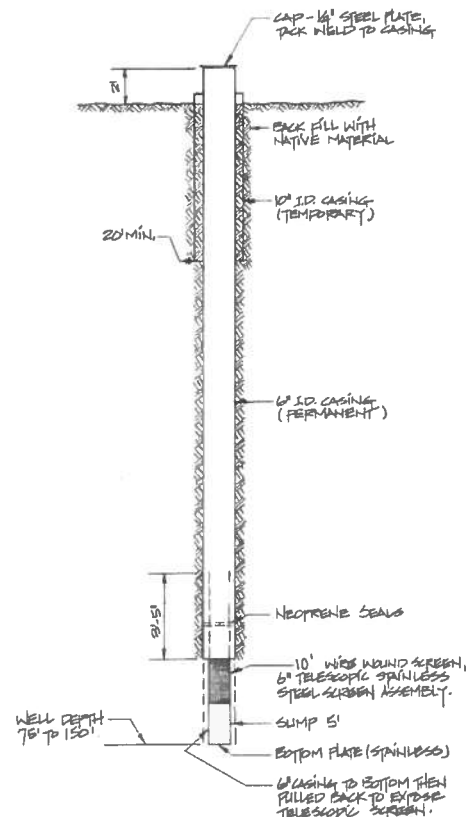
0' CASING TO 172'
0'-2' SOIL, SANDY.
2'-12' CLAY, SANDY.
12'-18' CLAY, FINE SAND.
18'-24' CLAY.
24'-34' SAND - FINE TO COARSE.
34'-50' SAND - FINE TO MEDIUM.
50'-54' CLAY.
54'-58' SAND - FINE TO COARSE.
58'-64' CLAY, SAND.
64'-85' CLAY.
85'-89' SAND - FINE TO MEDIUM.
89'-100' SAND - FINE TO COARSE.
100'-168' CLAY.
168'-168.5' CLAY.
168.5'-178' CLAY (?).
178'-184' GRANITE.
STATIC WATER LEVEL 2.85'.
BAIL - 51.1 GPM.
DRAWDOWN - 39.78'.

WEST MOUNTAIN WELL (16N/3E-34 add 1) TOTAL DEPTH - 120.8'

0'-2' TOPSOIL, BROWN.
2'-8' CLAY - LIGHT TO DARK BROWN.
8'-85' CLAY & SAND STREAK OF BLUE CLAY.
85'-75' CLAY WITH BLUE STREAKS & MUDDY SAND.
75'-88' CLAY - BLUE, STICKY.
88'-100' SAND - WHITE, BLUE, BLACK, FINE GRAINED.
100'-105' CLAY - BLUE.
105'-111' SAND - BLUE, BLACK.
111'-115' CLAY - BLUE.
115'-121' SAND - FINE, VERY DIRTY.
121'-122' SAND - WHITE & BROWN, FINE GRAINED.
122'-127' SAND - BROWN & BLUE, CEMENTED.
127'-128' CLAY - BLUE.
128'-130' SAND - BROWN & BLUE, CEMENTED.
130'-134' SAND - WHITE & BROWN, FINE TO COARSE WITH GRAVEL, MUDDY.
134'-137' SAND - WHITE & BROWN, CEMENTED.
137'-138' CLAY - BLUE.
138'-140' SAND - BLUE & BLACK, FINE TO MEDIUM GRAINED, VERY MUDDY.
140'- TOTAL DEPTH.
STATIC WATER LEVEL - 17.9'.
BAIL - 24.8 GPM.
DRAWDOWN - 18.3'.

WEST MOUNTAIN WELL (16N/3E-32 add 1) TOTAL DEPTH - 90'

0'-5' SAND - DARK BROWN, CEMENTED.
5'-58' SAND - LIGHT BROWN, CEMENTED.
58'-57' CLAY - BLUE, STICKY.
57'-65' SAND - FINE TO MEDIUM GRAINED, MUDDY. AT 60' BAIL 50 GPM W/2' DRAWDOWN.
65'-75' CLAY - LIGHT BLUE, VERY STICKY.
75'-90' SAND & CLAY - INTERBEDDED, STICKY, STICKY BLUE CLAY & FINE TO MEDIUM GRAINED SAND.
90' TOTAL DEPTH, PUMP BACK TO 72.8'.
STATIC WATER LEVEL - 21.98'.
BAIL - 20 GPM.
DRAWDOWN - 20.56'.



ALWAYS THINK SAFETY UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION BOISE PROJECT, FRYE DIVISION-1640 CASCADE RESERVOIR WHISPERING PINES SUPPLY WELL	
DESIGNED	SUBMITTED
DRAWN: KASEN	RECOMMENDED: J. B. BROWN
CHECKED: J. B. BROWN	APPROVED: J. B. BROWN
DATE: 10/10	JANUARY 1956
3-100-886	

Favreau, Danielle

From: McGarry, Elizabeth [emcgarry@usbr.gov]
Sent: Thursday, May 09, 2013 5:20 PM
To: Favreau, Danielle
Subject: 65-23046 Buttercup Lake Cascade Campground
Attachments: Buttercup Water Map.pdf; Buttercup Well House.pdf; Merged Buttercup CampgroundWaterSystNarrative (1).doc

Hi Danielle - give me a call and we can discuss if this meets your needs. I don't have the digital boundary yet.

E. Gail McGarry
Program Manager Water Rights and Acquisition
PN-3100, Bureau of Reclamation Pacific Northwest Region
1150 North Curtis Road, Suite 100
Boise, ID 83706
208-378-5306

Buttercup Campground

Potable Water System

April 13, 2013

1. Water is extracted from the aquifer via a standard in ground, - in casing pump attached to the casing with a pitless adapter.
2. From the pump the water is piped into the well house located at the corner of West Mountain road and Buttercup Campground entrance. The physical address of the campground is 2196 West Mtn. Rd Donnelly. The nearest cross street is Andy Lane, and the Longitude / Latitude is 116.11325 44.68322. The well house is located just north of the entrance itself, and is easily seen from the road.
3. Once the water enters the well house through galvanized piping, the water system is pressurized with an 80 gallon pressure tank, and has the cross connect and prv safety features which health department requires. The well house also houses the electrical control panel and pump start relays for the well pump.
4. Exiting the well house the water is piped to 11 different spigots located throughout the campground.
5. The distribution line starts on the west side of the campground runs north to the northernmost spigot, and continues on to serve the south spigots, the aspen loop spigots and crosses south to serve 1 spigot by the CXT which serves the Buttercup Boat Ramp area.
6. All spigots have antisiphon host connections attached to them as Health Department regulations require.

Also

1. The campground grassy areas are irrigated on a limited bases-we use garden hoses and a sprinkler heads. The well described in the document is the source for this watering.
- 2 As the maps indicated the spigots are scattered through the campground (not at each individual campsite). We do have one camp site, that is assigned to our campground host, with a spigot that is used for their rv hookup.

Buttercup Campground

