

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 78-12389

Exam Date: 8/22/2012

1. Current Owner: CANYON PINES RV RESORT
PO BOX 1427
RIGGINS ID 83549
(208)628-4006
2. Accompanied by: Larry Malone and David Evans
Phone No: Same
Address: Same
Relationship to Permit Holder: Manager and Owner
3. SOURCE TRIBUTARY
GROUND WATER
LITTLE SALMON RIVER
SALMON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 78-12177
2. Other water rights with the same point of diversion: 78-12177

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

GROUND WATER	NW1/4NE1/4	Sec. 32, Twp 23N, Rge 01E, B.M.
IDAHO County		
LITTLE SALMON RIVER	NW1/4NE1/4	Sec. 32, Twp 23N, Rge 01E, B.M.
IDAHO County		

Method of Determination: Arc Map (Aerial Photo); GPS Latitude N.45°17.616', Longitude W.116°21.518'; Datum – NAD83.

2.

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
23N	01E	32																	2.0

Total Acres: 2

Method of Determination: Arc Map (Aerial Photo).

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
D0029057	Unknown			Unknown	Unknown

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
N/A						

2. Measurements: No field measurement. Pop-up sprinklers.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: (Theoretical)

$$Q = 8.8 \times 0.7 \times 10/10 + (2.31 \times 60) = 61.6/148.6 = 0.41 \text{ cfs}$$

$$HP = 10$$

$$Z = 10' \text{ (Estimated)}$$

$$P = 60 \text{ psi (Gauge)}$$

Appears that the irrigation pumping system is capable of attaining the permit diversion rate of 0.06 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \times 4.0 = 8.0 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 294 \times 1.9835 = 35.0 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 8.0 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

The Canyon Pines RV Resort is irrigated by two sources of water. The main source of water for irrigation is the Little Salmon River. A 10 hp Baldor pump and electric motor diverts water from the Little Salmon River through a 4" flexible suction line. The pump, motor, controls, and manifold for the distribution main lines are located in a pump house located approximately 185 feet northeast of the point of diversion. A domestic well, which supplies water to the RV camp sites and office, is located approximately 90 feet northwesterly of the pump house. The resort's domestic well is only used as a supplemental source of irrigation water when the main diversion system from the Little Salmon River is unable to meet the irrigation needs of the resort. Hoses are attached to the spigots located in the individual camp sites to irrigate the lawn area within each camp site.

IRRIGATION SYSTEM:

The 10 hp pump and motor discharge water to five (5) irrigation zones within the resort. The water is discharged from the pump house through 1 1/4" PVC main lines to operate up to 30 sprinkler heads per zone.

OVERLAP ANALYSIS (POD & POU):

Water Right No. 78-12177. The beneficial use for this water right is commercial use for the 54-site RV resort. This water right uses the same domestic well as Water Right Permit No. 78-12389, which uses the well for supplemental irrigation for the RV resort.

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

CONDITION NO.5 (029) – Prior to the diversion and use of water under this approval, the right holder shall comply with all fish screening and/or fish passage requirements of the Idaho Department of Fish & Game. Right holder has installed a screen on the end of the 4" flexible suction line, which is in compliance with this condition of approval.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.06	&/or	N/A
Beneficial Use Limit	0.06	&/or	N/A
System Measurement	0.41 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.06	&/or	N/A

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	02/15 to 11/30	0.060 CFS	8.0 AFA
<u>Totals:</u>		0.060 CFS	8.0 AFA

2. Recommended Amendments

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

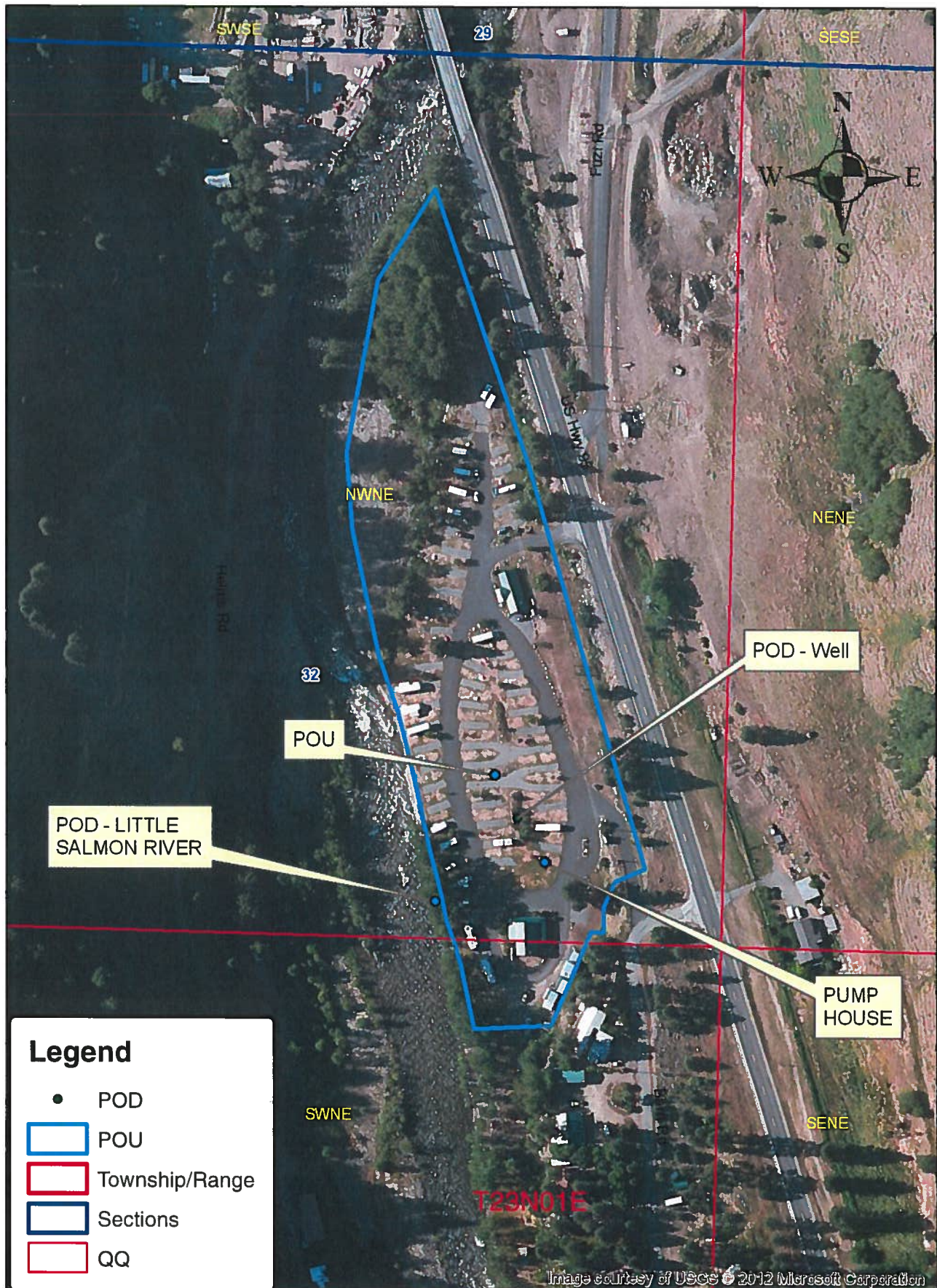
☐ Change P.U. as reflected above
 ☐ Add P.U. as reflected above
 ☐ Other

I. AUTHENTICATION

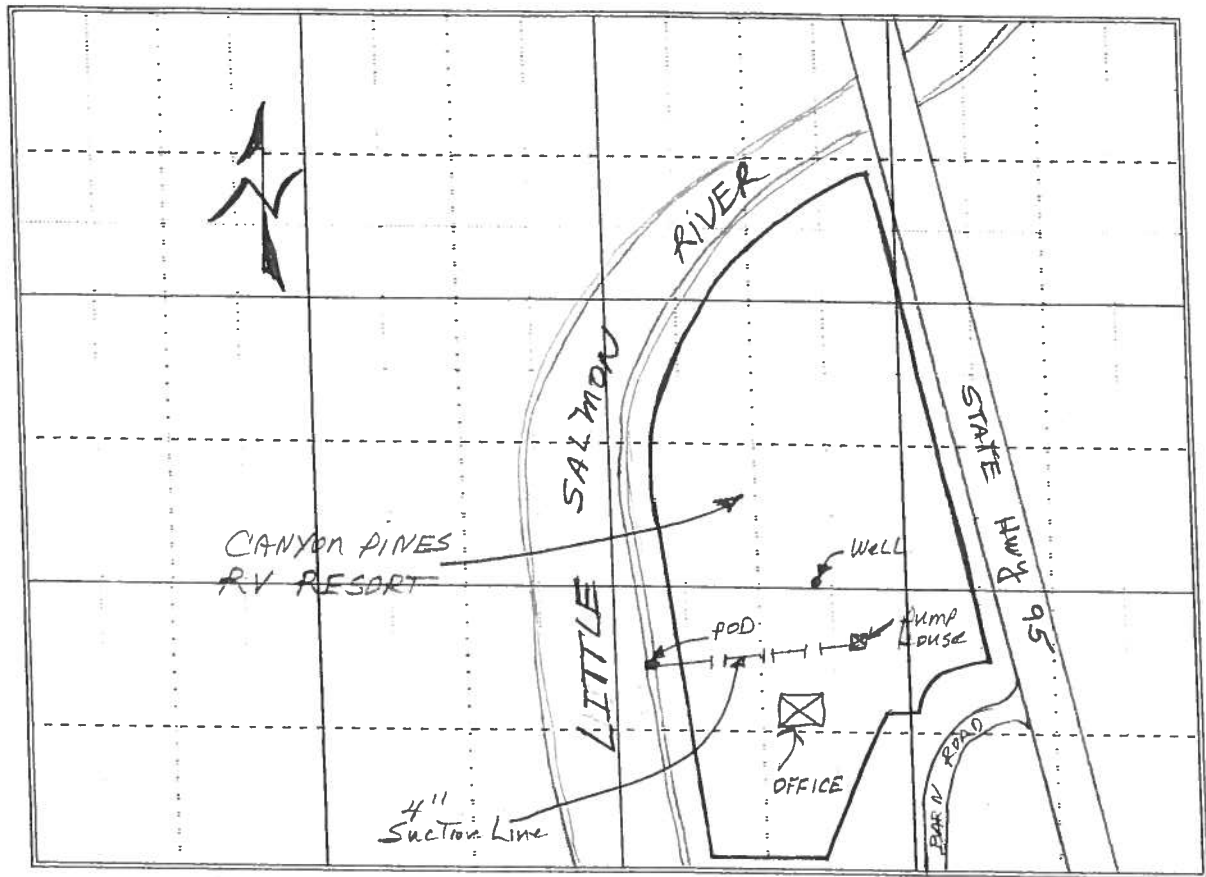
Field Examiner's Name Rick Collingwood Date 12/6/12

Reviewer _____ Date _____

78-12389



- 3 **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D0029057
DRILLING PERMIT NO 873031-783169
Water Right or Injection Well No. _____

2. OWNER:
Name Canyon Pines RV Resort Inc.
Address 14718 60th Ave. W
City Edmonds State WA Zip 98020

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp 23 North X or South _____
Rge 1 East X or West _____
Sec 32 1/4 NW 1/4 NE 1/4
Gov't Lot _____
County Idaho
Lat: _____ Long: _____
Address of Well Site 10 Barn Rd.
City Pollock
Lt. _____ Blk _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other 54 Site RV Park
Domestic/Commer

5. TYPE OF WORK check all that apply
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____
(Replacement etc.)

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:
Seal Material Cement-Neat From 0 To 20 Weight 2 yds. Volume _____ Seal Placement Method Pumped
(pressure grouted)
Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 40
Was drive shoe seal tested? ☒ Y ☐ N How? air

8. CASING/LINER:
Diameter From To Gauge Material Casing Liner Welded Threaded
8 +2 40 .322 Steel ☒ ☐ ☒ ☐
6 10 205 200 PVC ☐ ☒ ☐ ☐
cemented
Length of Headpipe _____ Length of Tailpipe _____
Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method SSW slotted
Screen Type & Method of Installation
From To Slot Size Number Diameter Material Casing Liner
185 205 3/16 80 6 PVC ☐ ☒
165

10. FILTER PACK
Filter Material From To Weight/Volume Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
18 ft. below ground Artesian pressure _____ ft.
Depth flow encountered _____ ft. Describe access port or control devices:
well cap

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat.	Long:		

12. WELL TESTS:
☐ Pump ☐ Barker ☒ Air ☐ Flowing Artesian
Yield gal./min 20 Drawdown _____ Pumping Level _____ Time _____
Water Temp. 60 Bottom hole temp. _____
Water Quality test or comments. _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)				Depth first Water Encounter <u>130</u>	
Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	20	Gravels, sand, boulders		x
12	20	35	Gravels, sand, boulders		x
8	35	38	Gravels, sand, boulders		x
8	38	50	Black gray granite MH		x
8	50	60	Black gray granite with quartz MS		x
8	60	80	Black gray white granite MH		x
8	80	100	Black white gray green granite MH		x
8	100	110	Black gray white granite MS		x
8	110	120	Black brown white granite MH		x
8	120	130	Black gray white granite MH		x
8	130	133	Gray white fractured granite MH		x
8	133	160	Black gray granite MH		x
8	160	170	Black white gray granite MS		x
8	170	175	Black white granite MS		x
8	175	190	Black gray granite MH		x
8	190	205	Black white granite MS		x

RECEIVED

FEB 13 2003

WATER RESOURCES
WESTERN REGION

Completed Depth 205 (Measure)
Date Started 1-13-03 Completed 1-21-03

14. DRILLER'S CERTIFICATION
(We certify that all minimum well construction standards were complied with at the time the rig was removed.)
Company Name DRU Well Drilling Firm No. 539
Principal Driller Jim R. White Date 1-24-03
and _____
Driller or Operator II Paul L. L... Date 1-24-03
Operator I _____ Date _____

FORWARD WHITE COPY TO WATER RESOURCES

78-12389

SEP 10 2009

FIELD EXAM PHOTOS

Water Right Permit: 78-12389

Field Exam Date: 8-22-12

PLS: NW1/4, NE1/4 Section 32, T.23N, R.01E.

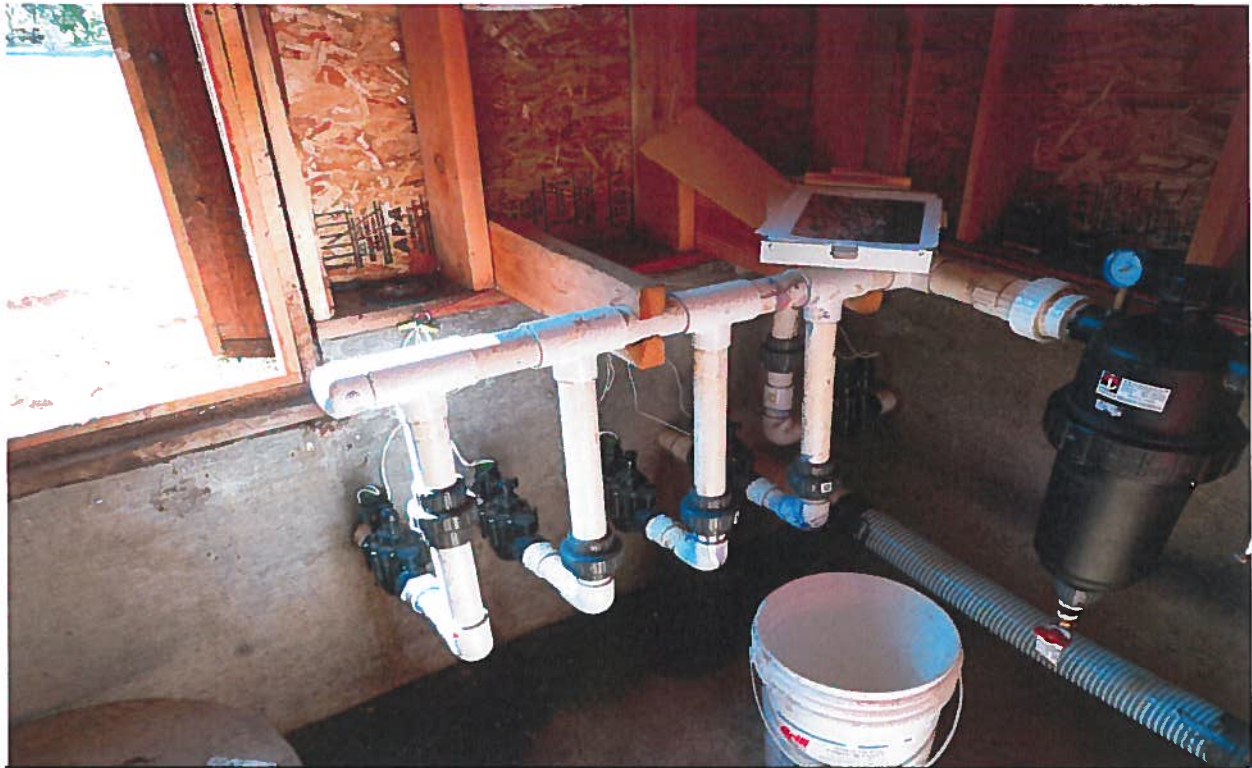
Field Examiner: RC



Point of Diversion: View westerly of screened 4" Flexible Pipe suction line in the Little Salmon River. The suction line connects to a 4" PVC line to the pump house.



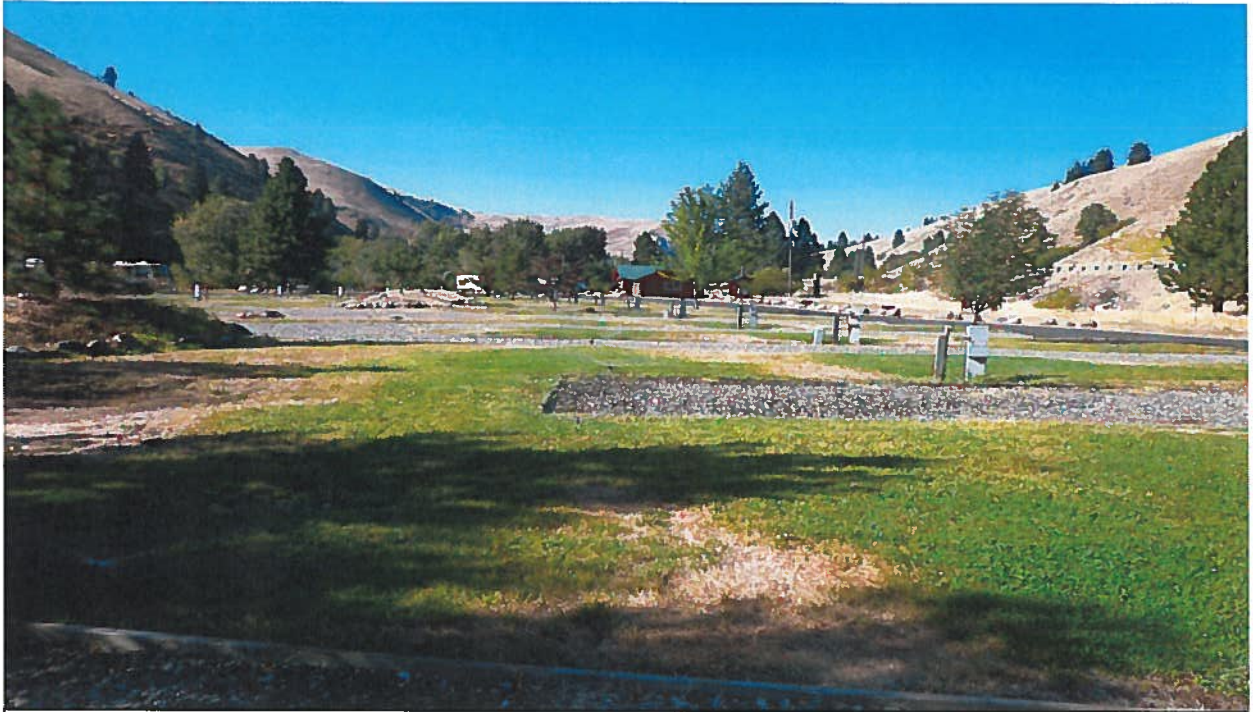
Point of Diversion: View southwesterly of domestic ground water well. Well is used for supplemental irrigation of RV sites when main diversion in Little Salmon River cannot meet the irrigation needs of the RV park.



View inside of pump house of pressurized irrigation manifold and 1 1/4" PVC distribution pipe to sprinkler system zones.



View inside of pump house of 10 hp pump and motor and 4" suction line from the Little Salmon River.



Place of Use: View northwesterly of camp sites and common area within the Canyon Pines RV Resort.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 14, 2012

Canyon Pines RV Resort
159 Barn Road
Pollock, ID 83547-5013

*current address
per phone con. 12/12/12
kw*

RE: Scheduling Field Exam for Water Right Permit No. 78-12389

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **on August 29, 30, & 31, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.06 cfs of ground water and surface water (Little Salmon River) for irrigation of 2.0 acres.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by August 17, 2012, to conduct the exam on August 29, 30, or 31, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Water Resource Agent, Sr.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 6, 2012

Canyon Pines RV Resort
P.O. Box 1427
Riggins, ID 83549

*no longer valid address
per phone con 12/12/12
kw*

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Rick Collingwood, P.E.
Water Resource Agent, Sr.