

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-7374
Exam Date: 08/29/2018

1. Current Owner:
RICHARD J ANDREWS SUNBEAM VILLAGE
HC 67 BOX 310 STANLEY ID 83278
2. Accompanied by: Doug Fenn (Manager- White Otter Rafting)
Kent Aasa (IDWR)
Phone No: 208-788-5005
208-720-3846
Address: Sunbeam Village
HC 67 Box 310
Stanley, ID 83278
Relationship to permit Holder: Manager

3. **SOURCE:**
GROUND WATER

Method of Determination: GPS and Aerial Photography

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
72-4056	Groundwater	Domestic	Decree

Comments: _____

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

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼ NW¼, Sec. 20, Twp 11N, Rge 15E, B.M. CUSTER County

Method of Determination: A

PLACE OF USE: COMMERCIAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11N	15E	19	X			X													
11N	15E	20						X	X										

Method of Determination:

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.

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

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:

5 Gallon Bucket: Several five gallon bucket tests at 19 seconds determined a flow rate of 0.04 cfs or 18 GPM.**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation: N/A

 $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$ $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$

2. Volume Calculations for Other Uses: Sunbeam Village has a rafting operation and a café that are served by the well during the rafting season.

Raft Staff: (Overnight use) 30 people from April 15- Nov. 30 = 229 days @ 50 gal/day per person. $50 \text{ gal/day} \times 30 \text{ staff} \times 229 \text{ days} = 343,500 \text{ gal} / 325,850 \text{ AF} = 1.054 \text{ AF}$

Café Staff: (Overnight use) 10 people during the months May- August @ 50 gal/day per person
 $50 \text{ gal/day} * 10 \text{ staff} * 123 \text{ days} = 61,500 \text{ gal} / 325,850 \text{ AF} = 0.1887 \text{ AF}$

Café Patrons: 35 patrons during the months May – August @ 10 gal/day per person
 $10 \text{ gal/day} * 35 * 123 \text{ days} = 43,050 \text{ gal} / 325,850 \text{ AF} = 0.132 \text{ AF}$

Caretaker: (Overnight use) 1 Caretaker year round @ 50 gal/day
 $50 \text{ gal/day} * 365 \text{ days} = 18,250 \text{ gal} / 325,850 \text{ AF} = 0.056 \text{ AF}$

Boat Wash Station: 2 hydrants May – October @ 18 GPM 4 days a week for 4 hours and 3 days a week for 8 hours
 $2(18\text{gpm}) * 105 \text{ days} * 4 \text{ hours} * 60 \text{ min} = 907,200 \text{ gal}$
 $2(18\text{gpm}) * 79 \text{ days} * 8 \text{ hours} * 60 \text{ min} = \underline{+1,365,120 \text{ gal}}$
 $2,272,320 \text{ gal} / 325,850 \text{ AF} = 6.97$

6 RV SPOTS: (Overnight use) 6 Hydrants April 15- November 30 @ 50 gal/ per day
 $6 * 50 \text{ gal/day} * 229 \text{ days} = 68,700 \text{ gal} / 325,850 \text{ AF} = 0.21 \text{ AF}$

TOTAL COMMERCIAL USE: $1.054 \text{ AF} + 0.1887 \text{ AF} + 0.132 \text{ AF} + 0.056 \text{ AF} + 6.97 \text{ AF} + 0.21 \text{ AF} = \mathbf{8.6 \text{ AF}}$

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 72-7374 was filed on April 27, 1984 for 0.04 cfs of commercial and .05 cfs for heating uses associated with the Sunbeam Village. Permit 72-7374 was approved on October 7, 1992 and proof was filed on January 7, 1997.

On August 29, 2019 Kent Aasa and I met with Josh (an employee for White Otter Raft) for the field exam. Currently the Sunbeam Village consists of the White Otter Rafting facility, the Sunbeam Café, 5 cabins for staff and a boat wash station. All the buildings in the Village are serviced by one ground water well. The Village rafting season is from mid- April thru November. This is the only time that the Sunbeam Village is inhabited besides the one year round caretaker. The calculations for water use for the 30 rafting staff, 10 café staff, capacity of the café (35 patrons), the boat washing station, and the caretaker are calculated above. Several 5-gallon bucket tests were verified during the field exam at 19 seconds a piece which calculates to 0.04 cfs or 18 gpm.

Originally the permit was filed for geothermal water from the Sunbeam Hot Springs and the drilling of a low temp geothermal groundwater well. Upon conversation with Doug Finn there is a spa tub with a three inch pipe line that was in use for the original development at some point in time that he believes was gravity fed from the Sunbeam Hot Springs (see 12/18/2018 e-mail in file). However, research of topography maps of the area show there is no physical way for the water from the hot springs to get to the village without pumping. In addition the new well did not produce hot water. Upon review, it was determined that no heating uses had been developed for the village.

Based on the information gathered during the field exam I recommend that this right be licensed for commercial use for the Sunbeam Village with a flowrate of 0.04 cfs and a volume of 8.6 AF.

Have conditions of permit approval been met? X Yes ___ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
COMMERCIAL	1/01 to 12/31	0.04 CFS	8.6 AF

Totals: 0.04 CFS 8.6 AF

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

I. AUTHENTICATION Jana Reeder - Water Resource Agent, Senior

Field Examiner's Name Jana Reeder Date 3/28/19

Reviewer _____ Date _____



Field Exam 72-7374



Well House
+
well



Cafe



Office



Boat
Wash
Station



Cabins