

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10479
Exam Date: 06/11/2015

1. Current Owner:
SILVER BEACH PROPERTIES LLC
320 S SULLIVAN RD
SPOKANE VLY, WA 99037-8835
2. Accompanied by: Terry L. Schlabs
Phone No (208) 623.4842
Address: PO Box 48, Spirit Lake, ID 83869
Relationship to permit Holder: Trustee of Schlabs Family Trust (Property owner at date of Exam)

3. SOURCE:
GROUND WATER

Method of Determination: ArcMap™ and DRG.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
95-10630	SPIRIT LAKE / SPRING	IRRIGATION	DECREED

Comments: Right 95-10630 uses water from Spirit Lake and a spring to for irrigation with a POU that overlaps this right.

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

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

L1 (NE¼, NE¼), Sec. 13, Twp 53N, Rge 05W, B.M., KOOTENAI County

Method of Determination: Well GPS Coordinates -116 Degrees 53' 44.7 West Longitude, 47 Degrees 56' 49.6 North Latitude

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
53N	05W	13	X L1																

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
53N	05W	13	3.7 L1																3.7

Total Acres: 3.7

Method of Determination: Field Exam and ArcMap™ aerial imagery

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
A0015497	Unknown	3.0	Unknown	Unknown	2 inch outlet pipe

D. FLOW MEASUREMENTS

1. (Flowmeter not used during Exam)

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flowmeter	Installed in pumphouse	Unknown	Unknown			Unknown

2. Measurements (theoretical)

PUMP EQUATIONS WATER RIGHT 95-10479						
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI	
Q = $\frac{HP \times 8.8 \times \text{Eff}}{H}$	2.0	177.8231293	0.75	120	25	
Q =	0.074 CFS	33.4 GPM				

E. FLOW CALCULATIONS

Measured Method: (none: See Theoretical Measurements (Pump Equations) above)

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.7 \text{ Acres} \times 3.0 \text{ AF} = 11.1 \text{ AF.}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (3.7 \text{ AC @ .03 CFS}) \times 214 \times 1.9835 = 46.69 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 11.1 \text{ Acre Feet (AF) IRRIGATION}$$

2. Volume Calculations for Other Uses: (Domestic)

Annual Volume (consists of 4.2 AF for 7 homes / cabins (7 x 0.6 AF) and 2.1 AF for 45 RVs (45 RVs x 100 Gallons Per Day x 152 Days Per Year = 684,000 gallons/ 325,850 = 2.09 = 2.1 AF)). = (4.2 AF) + (2.1 AF) = 6.3 AF

6.3 Acre Feet (AF) DOMESTIC

G. NARRATIVE/REMARKS/COMMENTS

Field Exam performed on 6/11/2021 with the Terry L. Schlabs. Mr. Schlabs was a trustee of the Schlabs Family Trust. The Trust was the Permit owner and Domestic and Irrigation Place of Use (POU) owner on the Exam date. A Notice of Change of in Water Right Ownership was signed, and submitted to IDWR, by Beverly E. Schlabs to change ownership to the current owner, Silver Beach Properties LLC, in April 2021.

The Exam showed Groundwater being diverted for Domestic and Irrigation use. A 2.0 Horsepower submersible pump is installed in a 144' drilled well completed in 1993 (Tag A0015497) that is used to draw ground water. Static level at time of well completion was 68'. The well head is protected by an enclosed wood box. Water travels from the well head via pipe under a driveway to a pump house with an 85 gallon pressure tank and a flowmeter. Valves in the pump house are used to open or cut off water to two inch diameter polyethylene distribution lines that supply water to one home, six cabins, and 45 closely packed, RV spaces. Portable garden hoses are used to irrigate small lawns at small RV spaces, cabin lawns, and a lawn for single home.

Flow is limited to 33 Gallons Per Minute (0.08 CFS) by equipment in the pump house. CFS was verified by a flowmeter measurement taken during the Exam, a Panhandle Health District Sanitary Survey Report, and a theoretical calculation (see Theoretical calculation above). Water is delivered by the same system of two inch pipes for both Domestic and Irrigation use. Two inch diameter pipe was verified as being capable of delivering up to 0.11 CFS per the IDWR Field Examiners handbook.

Photographs of the Domestic and Irrigation POUs were taken during the Exam and areas of Domestic and Irrigation use noted on temporary field maps and ArcMap™ images. Detailed review of ArcMap™ images and Kootenai County property tax property boundaries was used after the Exam to accurately determine the Domestic and Irrigation POUs. 95-10479 Domestic and Irrigation POUs overlap because RV spaces are irrigated when a space is not occupied throughout the Irrigation season. Water Right Overlap concerns. Right 95-10630 uses water from Spirit Lake and a spring to irrigate 5.7 acres that overlap the 95-10479 Irrigation POU. There is no Domestic overlap. ..

CFS and Annual Volume for the Domestic beneficial use is set by pumphouse equipment capacity to .08 CFS. The number of cabins (6) and homes (1) seen during the Exam matches the Statement of Completion (SOC). Several RV spaces were unoccupied during the Exam. The number of RVs was verified through counting the number of RVs on 2009, and later year ArcMap images, and is consistent with the number shown on the SOC (45). **Recommended Domestic Annual Volume (6.3 Acre Feet (AF))** consists of 4.2 AF for 7 homes / cabins (7 x 0.6 AF) and 2.1 AF for 45 RVs (45 RVs x 100 Gallons Per Day x 152 Days Per Year = 684,000 gallons/ 325,850 = 2.09 = 2.1 AF)).

The Irrigation POU was found to equal only 3.7 acres versus the 9.0 acres shown on the SOC. The difference between the Permit and SOC Irrigated acres (9.0) and recommended acres for Licensing (3.7) is due to large areas found in the Exam that are devoted to driveways and approaches or parking for the boat launch / docks. There is no Domestic or Irrigation use in the area North of West Spirit Lake Road. Permit acres is also based on the Application that includes all of the Trust property between Spirit Lake and West Spirit Lake Road. **Recommended Annual Volume for Irrigation is 11.1 AF** (3.7 Acres x 3.0 AF = 11.1 AF).

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Diversion Volume</u>
DOMESTIC	01/01 to 12/31	0.08 CFS	6.3 AF
IRRIGATION	04/01 to 10/31	0.08 CFS	11.1 AF
<u>Totals:</u>		0.08CFS	17.4 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 Shaun Maxey - Water Resource Agent, Senior

Field Examiner's Name Shaun M. Maxey Date 08/23/2021
Reviewer Adi Fink Date 8/24/2021

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-10479

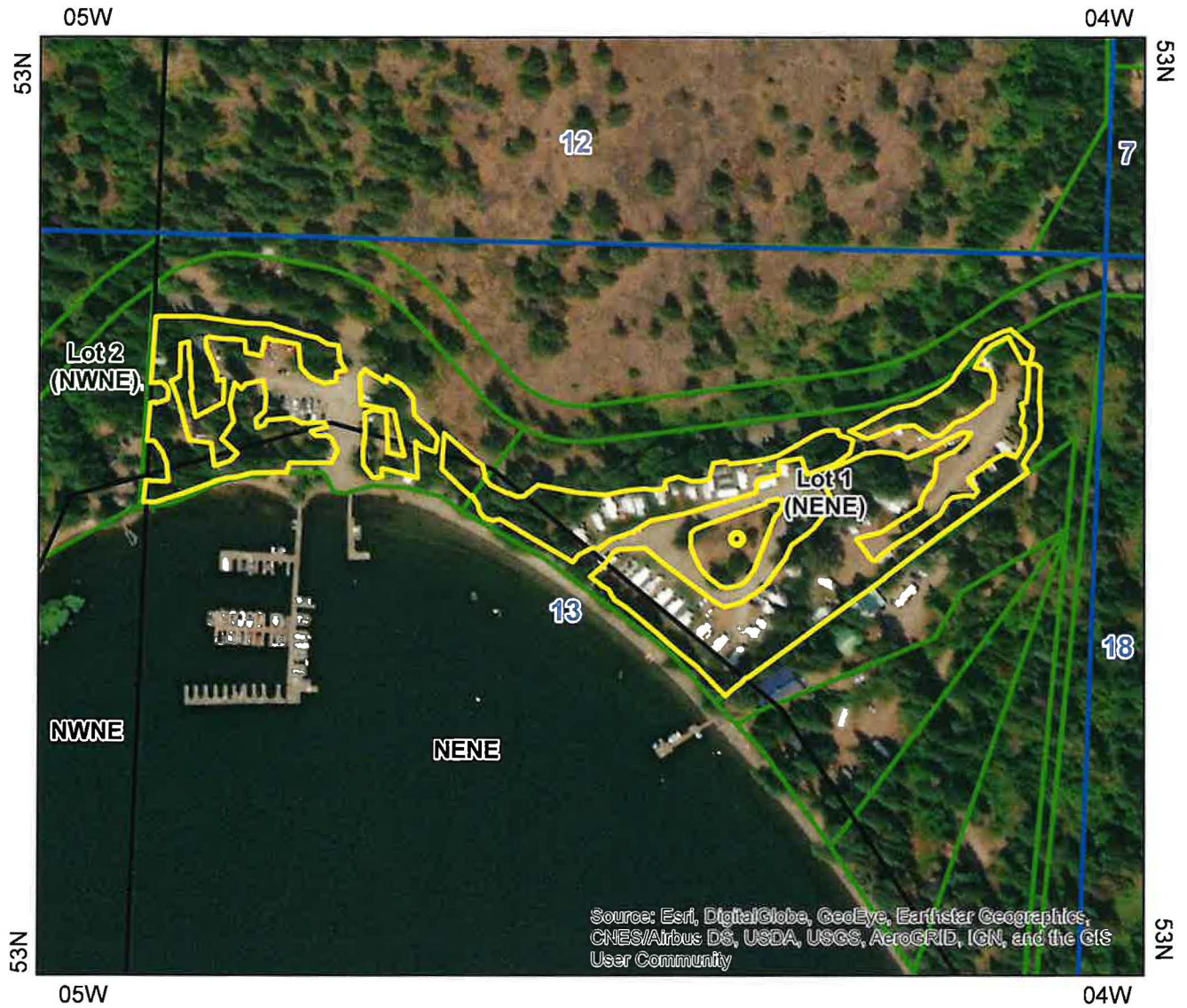
This map depicts the DOMESTIC place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



Tax parcel information provided by Kootenai County.

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-10479

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
-  PLS Sections
-  Quarter Quarters
-  Taxlots

0 0.0275 0.055 0.11 Miles



Tax parcel information provided by Kootenai County.

95-10479



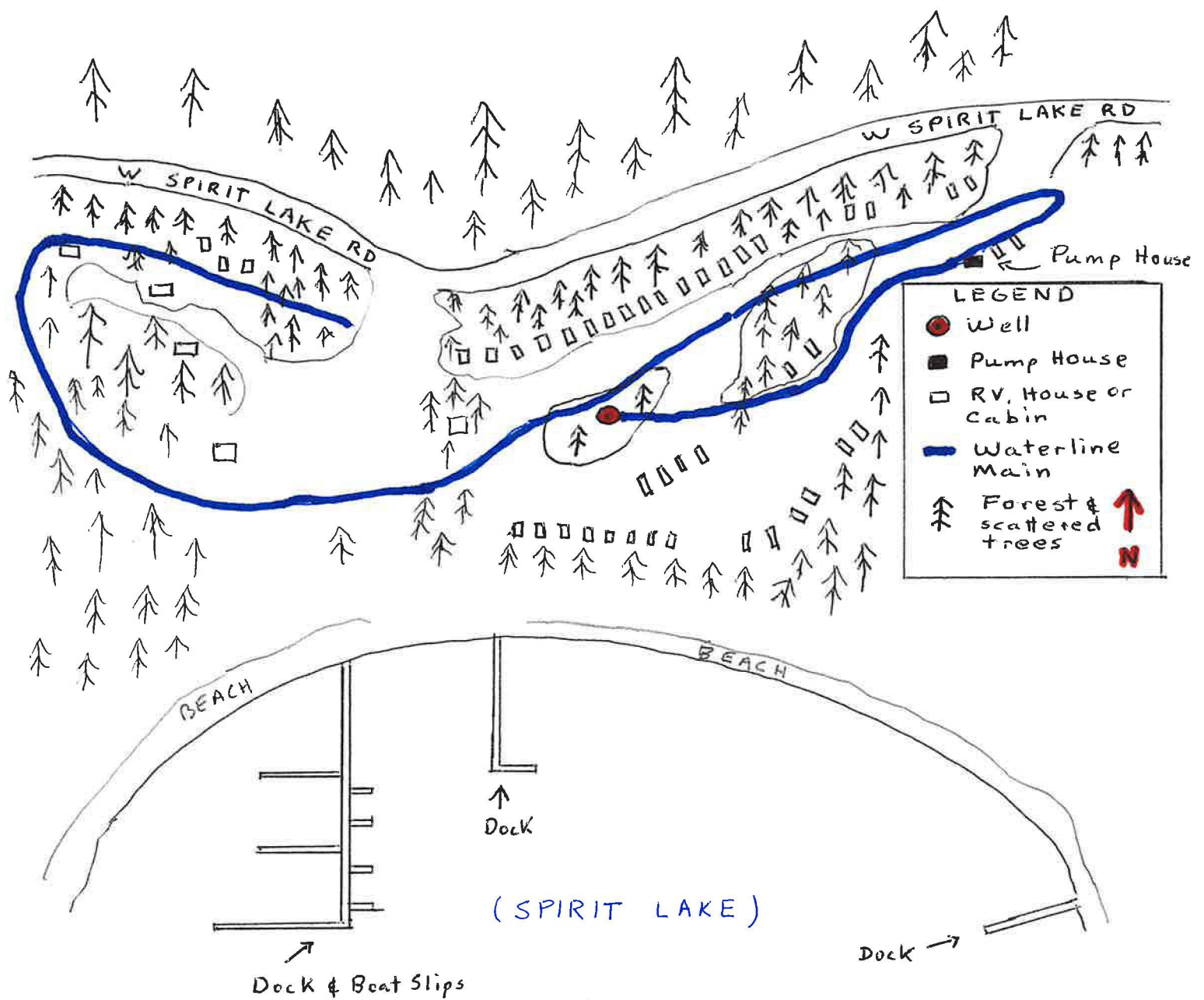
95-10479



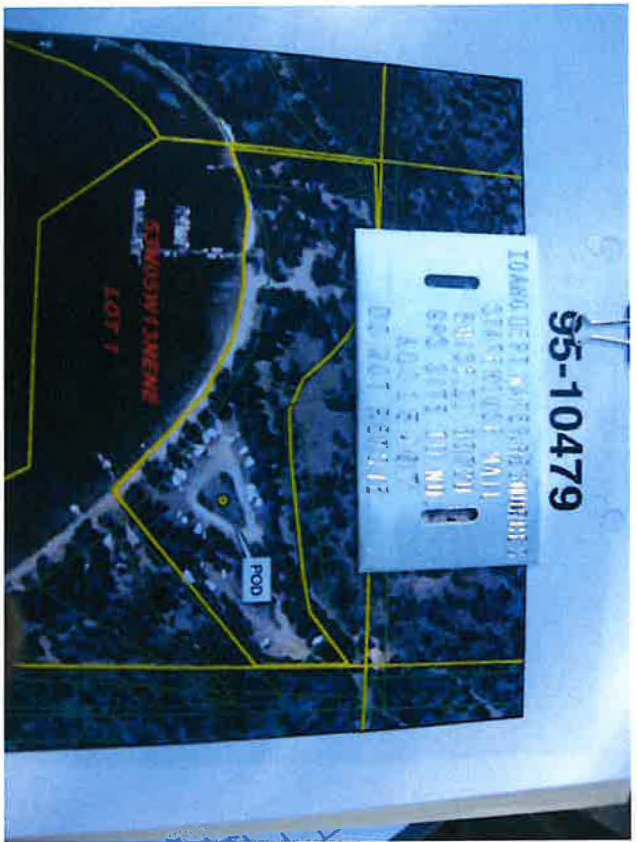
Tax parcel information provided by Kootenai County.

DELIVERY SYSTEM DIAGRAM

(NOT TO SCALE)



95-10479



95-10479 Tag A0015497



95-10479 Well in recessed wood box



95-10479 Flowmeter



95-10479 Pressure Tank

95-10479



95-10479 Building in Place of Use (POU)



95-10479 Cabin in POU



95-10479 Cabin in POU



95-10479 Central park area with wood well enclosure

95-10479



95-10479 Trailers / RVs in POU



95-10479 Cabin served by 95-10479 well



95-10479 Sprinkler operating in POU



95-10479 Flexible garden hose in POU

95-10479



95-10479 Cabin served by 95-10479 well



95-10479 Cabin served by 95-10479 well

95-10479



95-10479 Cabin served by 95-10479 well



95-10479 Building interior served by well



95-10479 Cabin interior served by well



95-10479 Cabin served by 95-10479 well



95-10479 House and lawn in POU



95-10479 Place Of Use lawn

95-10479