

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

A. GENERAL INFORMATION

Permit No: 96-15569

Exam Date: 06/17/2024

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- N/A Irrigation of 5 acres or less
 - N/A Storage of up to 14.6 AF for stockwater purposes only
 - X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less.
 - N/A Other < >
2. Current Owner: BRADLEY P DIETER AND/OR MARISA K DIETER
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N
- If No Explain:
- Bonner County Tax Parcel information shows Bradley P & Marisa K Dieter as the current owners of tax parcel RP041530010060A. I don't see any issues with the ownership of this permit or proposed license.
3. Beneficial Use Fees have been paid: X Y N Receipt No: C118259
4. **SOURCE:** Pend Oreille River **TRIBUTARY:** Columbia River

Method of Determination: ArcMap GIS and Tax Parcel Data.
Change in Source: Y X N

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
96-9852	Groundwater	Domestic	Permit – active status

Comments: Active Permit 96-9852 authorizes development of a groundwater source for domestic uses for 58 homes with ½ ac irrigation per home covered by domestic within the Swan Shores I and Swans Shores II Subdivision(s). 96-9852 was filed for after commencement of the Clark Fork Pend Oreille River Basin Adjudication and is an existing water system which is operated by Swan Shores II Homeowner's Assn, Inc.

There is direct overlap between this Permit and Permit 96-9852's domestic POU, but as 96-9852 hasn't been validated by the Department and is still in the Permit's development period, there is no overlap concerns that I recommend toward licensing this Permit 96-15569. The water sources between Rights are different and the water systems are different. It's common practice for lake front or river front property owners to develop surface water sources to either a) reduce fee requirements from community water system or b) HOA guidelines seek to conserve the groundwater source by seeking lawn watering from the surface water source.

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

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
PEND OREILLE RIVER	L2		NW	NE	34	57N	03W	B.M.	BONNER

Method of Determination: ArcMap aerial imagery.

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

Place of Use: DOMESTIC (external use only)

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	03W	34		X															
		Lot#		L2															

Method of Determination: GIS and Tax Parcel data.

Change in POU? X N Amendment Required? X N

3. Diversion System Information:

Description: existing lake water diversion system pumping to residence for domestic water use.

 Delivery System Diagram Attached. (mark all major components and distances between components) X Aerial Photo Attached (required) Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Model No.	Pump Make	Pump Serial No. or Discharge Size
Screened Intake to Jet Pump	PENTEK	1	C48K2EC11C	STA-RITE	1 ¼ Inch discharge

D. FLOW MEASUREMENTS

1. Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurement Comments: No measurement required for an in-office exam.

E. FLOW CALCULATIONS

Domestic:

- Measurement = 1 home authorized a diversion rate of 0.04 cfs based on Administrator's Memorandum, Application Processing No. 22: Definition of "Domestic".
- Permit allowed = **0.04 cfs**

Comments:

The statement of completion did not provide pump specification data but included photographs of the intake pipe affixed to a dock pier with screened intake and a photo of pump controls situated in an irrigation box pump house. Email correspondence received from Mr. Dieter on 6/14/2024 annotates a 1 hp pump and 1 ¼ inch intake pipeline to water system. I reviewed website content related to Sta-Rite 1 hp shallow well jet pumps and found generally the maximum discharge is equivalent to 27.5 gpm depending on how many feet of head is required. There is sufficient information to demonstrate the Permit Holders' diverting works can achieve 18 gpm or **0.04 cfs** which I'm recommended as the domestic diversion rate and maximum diversion rate for licensing 96-15569.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

2. Volume Calculations for Other Uses: Maximum Diversion Volume equals **0.6 af** for Domestic external use only up to ½ acre irrigation (as covered under domestic use).

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 ☒ None

Other: < N/A >

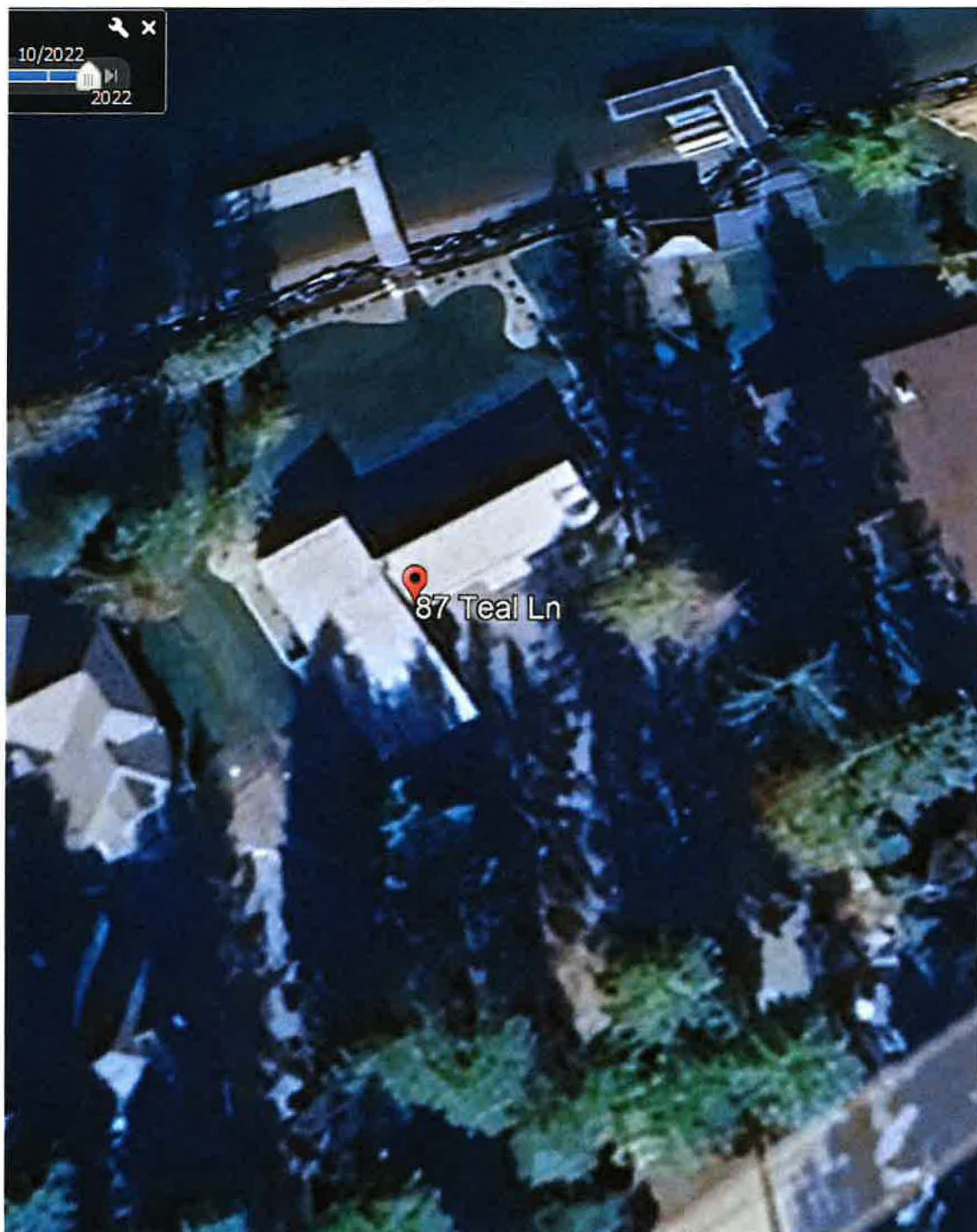
J. AUTHENTICATION Luke Bates – Sr Water Resource Agent

Field Examiner's  Date 6/17/2024

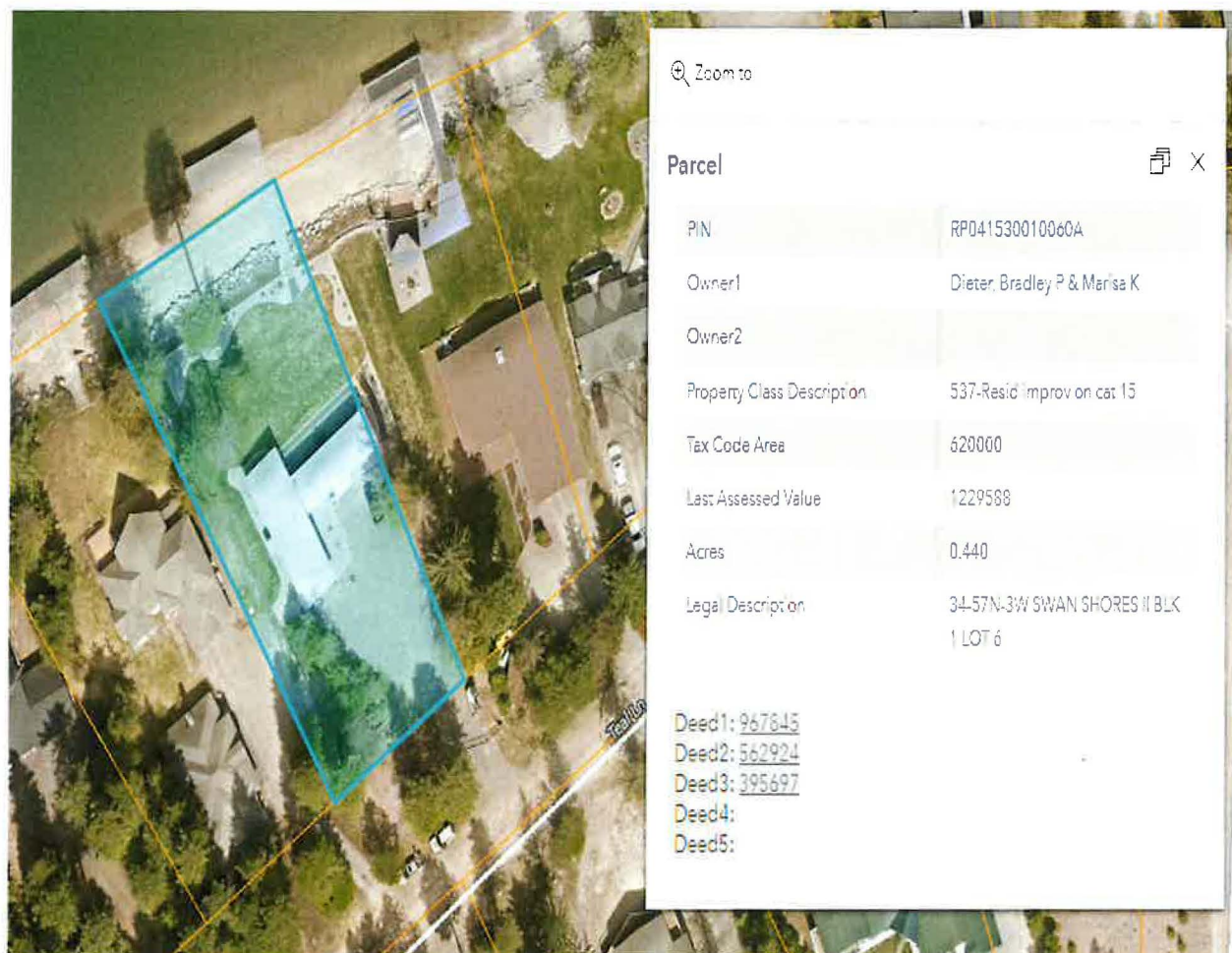
Reviewer  Date 6/26/2024

Field Exam Map(s): 87 Teal Ln, Sagle ID 83860. Lot 6, Blk 1; Swan Shores II Subdivision.

10/2022 Google Earth imagery of property retrieved on 6/17/2024



Bonner County Tax Parcel map retrieved from www.bonnercountyid.gov on 6/17/2024



Tax Parcel No. RP041530010060A