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

A. GENERAL INFORMATION

Permit No: 96-9552
Exam Date: 11/18/2015

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒Yes ☐No
   a. Irrigation of 5 acres or less
   b. Storage of up to 14.6 AF for stockwater purposes only
   c. X ***Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less***
   d. Other <>

2. Current Owner: Name: Jeff Heitman And/Or Mercedes Heitman
   Owner-of-Record Correct? ☒Yes ☐No
   Address-of-Record Correct? ☒Yes ☐No
   If No: Updated cell phone of Mercedes Heitman and updated email of Jeff Heitman.

3. Beneficial Use Fees have been paid: ☒Yes ☐No Receipt No: C101167

4. **SOURCE** Pend Oreille Lake — **TRIBUTARY** Pend Oreille River
   Method of Determination: Aerial photography and information provided on the application.
   Change in Source: ☐Yes ☒No

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Overlap? ☐Yes ☒No

Water Right No.	Source	Purpose of Use	Basis

Comments: Statutory Claim 96-4241 owned by Herrick and Wanda Heitman is a domestic use claim for 1 home and multiple cabins including a 10,000 gallon storage tank. Heitman Docks LLC owns the 11 acre parcel to the west of this permit includes multiple buildings. Hietman Docks LLC appears to be the land associated with the claim and would not be overlapping with this permit. Statutory claim 96-4407 is a domestic claim to the south of this permit, 96-9436 is a domestic license directly to the north of this permit and 96-9490 is a license to the south of this permit.

2. Other water rights with the same point of diversion: Overlap? ☐Yes ☒No

Water Right No.	Source	Purpose of Use	Basis

Comments: Statutory claim 96-4241 is for domestic use at one home and multiple cabins that appear to be to the west of this permit. The source of claim 96-4241 is Lake Pend Oreille however the exact location from the lake is unknown. There is one other claim (96-4407) and two other licenses (96-9436 & 96-9490) in the same QQ that utilize the lake as a source but are not direct overlaps with this permit.

C. DIVERSION AND DELIVERY SYSTEM

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

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Pend Oreille Lake	2		SW	NW	8	56N	01E	B.M	Bonner

Method of Determination: The point of diversion listed on the application is on the lake shoreline associated with the taxlot owned by Mercedes and Jeffery Heitman.

Change in POD? ☐Yes ☒No Amendment Required? ☐Yes ☒No

2. **LOCATION OF PLACE(S) OF USE:** Use: 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	
56N	01E	8							D										
									L2										

Method of Determination: This permit was issued for domestic use at one home on the lake. The permit shapefile in our mapping system partially overlaps two taxlots owned by two different people. The place of use shapefile for the license has been shifted slightly north to cover the taxlot owned by Mercedes and Jeffery Heitman. Taxlot information was obtained from Bonner County records and was updated 03/12/2015. The legal description of the place of Use is 8-56N-1E TAX 23, aka 159 UP GLENGARY RD.

Change in POU? ☐Yes ☒No Amendment Required? ☐Yes ☒No

3.

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
The pipe size is unknown.

☒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
Unknown.					18 GPM pump in lake

**Code to correspond with No. on map and aerial photo*
The "18GPM pump in the lake" information was obtained from the application for permit.

D. FLOW MEASUREMENTS

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

2. Measurements: In-office field exam. No measurements taken

E. FLOW CALCULATIONS ☐ Additional Computation Sheets Attached

Calculated standard = 18 GPM (from application) = 0.04 cfs
Standard = 0.04 cfs
Permit allowed = 0.04 cfs
License recommended for 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:
   $V_{I.R.}$ = (Acres Irrigated) x (Irrigation Requirement) = 0.5 x 3.0 = 1.5 af
   $V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 0.04 x 214 x 1.9835 = 17.0 af
   V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 1.5 af

Volume Calculations for Other Uses: N/A

This is a domestic use. According to processing memo #22, domestic use for in-house and yard irrigation can have up to 1.2 acre feet of annual water use. I am recommending 1.2 af for this permit.

G. PURPOSE OF USE

Irrigation ☐Yes ☐No # Stock_____ Domestic # of Homes 1 home

Other: < >

Change in Purpose of Use? ☐Yes ☒No

Method of Determination: Domestic use is for 1 home associated with aerial photography and taxlot information.

If Yes: From Use _____To Use _____Amount _____CFS _____AFA_____

H. NARRATIVE/REMARKS/COMMENTS

Permit 96-9552 qualifies for an in-office review as it is only for domestic use and the small quantity of water being diverted.

The Place of Use is on the taxlot owned by Heitman Trust; Heitman, Jeffery L Trustee: Heitman, Mercedes A Trustee. The shapefile associated with the license was created from this taxlot inforamtion.

There are no direct overlaps with the place of use or point of diversion. The statutory claim owned by Herrick and Wanda Heitman is for 1 home and multiple cabins (see Place of Use overlap review) appears to be the property to the west of this permit.

It is assumed the 18 GPM pump in the lake mentioned in the application has appropriate fish screening.

Volume is required as the source is from a lake there and the permit did not include volume limiting conditions.

Conditions- All four conditions (x01, 187, x15, 004) should be carried over to licensing

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

I. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Domestic	01/01-12/31	0.04 cfs	1.2 AF
	Totals	0.04 cfs	1.2 AF

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

Other: < >

I. AUTHENTICATION – Steven Visosky, Water Resource Agent

Field Examiner's Name_____ Date 11/18/2015

Reviewer_____ Date_____

Attachment to in-office exam

96-9552

Map created by Steven Visosky
November 18, 2015

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

0 0.01 0.02 0.04 Miles

N

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	SWNW	License review comments
Water Permit	96-9552	N	HEITMAN, JEFF; HEITMAN,	PEND OREILLE LAKE	POD	X	**Permit under review**
Water Right	96-4241	N	HEITMAN, HERRICK S; HEITMAN, WANDA L	LAKE PEND OREILLE	POD	X	Statutory Claim - the source is Lake Pend Oreille for domestic 1 home and multiple cabins. Claim states the pipeline from the lake goes to a 10,000 gallon tank. POD shape is located as centroid and does not appear to be correct. Exact location of POD is unknown but does not appear to be a direct overlap as property appears to be to the west of this permit.
Water Right	96-4407	N	WRIGHT, ANNE	LAKE PEND OREILLE	POD	X	Statutory Claim - lots associated with Claim are to the south
Water Right	96-9436	N	FITZGERALD, LIAM THOMAS; HANSEN, PAMELA	PEND OREILLE LAKE	POD	X	License - domestic from lake but for property to the north of this permit
Water Right	96-9490	N	RUSSELL, JOHN; RUSSELL,	PEND OREILLE LAKE	POD	X	Domestic south of permit - license
Water Right	96-9552	Y	HEITMAN, JEFF; HEITMAN,	PEND OREILLE LAKE	POD	X	**Permit under review, draft license started**

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	SWNW	License review comment
Water Permit	96-9552	N	HEITMAN, JEFF; HEITMAN,	PEND OREILLE LAKE	POU	X	**Permit under review**
Water Right	96-4241	N	HEITMAN, HERRICK S; HEITMAN, WANDA L	LAKE PEND OREILLE	POU	X	Statutory Claim- for one household and rental cabins. Shapefile takes up entire QQ. There are no names on taxlot info that match Herrick and Wanda. Heitman Docks LLC is 11 acre lot to the west that appears to have multiple cabins on it.
Water Right	96-4407	N	WRIGHT, ANNE	LAKE PEND OREILLE	POU	X	Statutory Claim - for domestic on lots 6 and 7- no owners match names with water rights and taxlots. Lots 6 and 7 are to the south of this permit.
Water Right	96-9436	N	FITZGERALD, LIAM THOMAS; HANSEN, PAMELA	PEND OREILLE LAKE	POU	X	License- domestic - for taxlot directly to the north of this permit
Water Right	96-9490	N	RUSSELL, JOHN; RUSSELL,	PEND OREILLE LAKE	POU	X	Domestic south of permit - license
Water Right	96-9552	Y	HEITMAN, JEFF; HEITMAN,	PEND OREILLE LAKE	POU	X	**Permit under review, draft was started**