

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

A. GENERAL INFORMATIONPermit No: 96-9478

Exam Date: 11/2/2016

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y ___ N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Maureen Killoran and Raymond Daniels
 Owner of Record Correct? X Y ___ N
 Address of Record Correct? Y ___ N
 If No: Address

Tax lot data shows Maureen Killoran and Raymond Daniels as the owners of the property.

3. Beneficial Use Fees have been paid: X Y ___ N Receipt No: C0
4. SOURCE TRIBUTARY
 Pend Oreille River Columbia River
 Method of Determination: GIS and Taxlot Data
 Change in Source: Y X N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
96-2222	Pend Oreille River	Irrigation	license

Comments: Water right 96-2222 appears to be a direct overlapping water right, however, it also appears as though this water right has been abandoned or forfeited. Please read the overlapping water rights memo for an analysis of the relationship between water right 96-2222 and this permit. Water rights 96-8723, 96-2246, 96-7533, 96-8077, and 96-8961 are all for other properties and not a direct overlap for this permit.

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

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: Water right 96-2222 appears to be a direct overlapping water right, however, it also appears as though this water right has been abandoned or forfeited. It also appears as though the point of diversion for 96-2222 is east of the point of diversion described in this permit for which the permit holder no longer has access to the point of diversion for 96-2222. Please read the overlapping water rights memo for an analysis of the relationship between water right 96-2222 and this permit. Water rights 96-7533, 96-7584, 96-8077, 96-8961, 96-8723, 96-4401, and 96-9277.

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

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
River Pump	1		NE	NW	32	57N	2W	B.M.	BONNER
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Parcel data. The point of diversion was moved west of the location described in the permit due to the Tax Parcel information. The PLS lines were incorrectly drawn, so the permit did not match the actual location. The point of diversion is in the same legal description, so there shouldn't be an issue with this move.

Change in POD? ☒ X ☐ N Amendment Required? ☒ X ☐ N

2. PLACE OF USE: Use: Irrigation

TW P	RGE	Sec	NE				NW				SW				SE				Total s
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	2W	29												0.4			0.1 Gov Lot 1		0.5
57N	2W	32		0.3 Gov Lot 1															0.3
Total Acres =																			0.8

Method of Determination: GIS and Tax Parcel Data The PLS lines were incorrectly drawn, so the permit did not match the actual location. An amendment will be needed to correct the place of use.

Change in POU? ☒ Yes ☐ Y ☐ N Amendment Required? ☒ Yes ☐ Y ☐ N

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

☒ X 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
River Pump	Unknown				

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

D. FLOW MEASUREMENTS

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

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

There is no pump information available for this system, so we must use the standard limitations.

Acre Limits = 0.8 acres X 0.03 cfs per acre = 0.024 cfs

Permit allowed = 0.03 cfs

I am recommending a diversion rate of 0.03 cfs, since maximum rate per acre is above the 0.02 cfs diversion rate, and the owner probably developed their system consistent with the permit. Therefore, reducing the diversion rate by 0.01 cfs may place the permit holder in violation due to a 0.2 acre reduction in the actual acres irrigated.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{0.8 \text{ acres} \times 3 = 2.4 \text{ af}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{0.03 \text{ cfs} \times 214 \times 1.9835 = 12.7 \text{ af}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{2.4 \text{ af}}$$

2. Volume Calculations for Other Uses:

N/A

G. PURPOSE OF USE

Irrigation X Y N # Stock Domestic # of Homes 1

Other: < >

Change in Purpose of Use? Y N

Method of Determination: Taxlot data and conversations with owner.

If Yes: From Use To Use Amount CFS AFA

H. NARRATIVE/REMARKS/COMMENTS

This permit is qualified for an in-house exam. During the approval of this permit, there was some confusion on where the place of use and point of diversion should be located. The surveyor claimed our aerial photography was incorrect, and we ended up with a poorly defined place of use. I worked with our tax parcel GIS specialist to review the data, and discovered that it was actually the Public Land Survey (PLS) lines in our mapping that were actually incorrect. Once I corrected the PLS lines, I discovered that the place of use and point of diversion were incorrectly placed in ArcMap. This created an issue with the number of acres in specific 40 acre tracts. The correct legal description of the acres being irrigated is listed above per the county records and the survey markers at the site. The survey markers at the site are the official designation of the PLS lines, so I had move the lines to match the official legal description of the property. Please see the attached maps for adjusted legal description lines.

Water right 96-2222 overlaps this place of use, but after a complete analysis of water right 96-2222 and permit 96-9478, I discovered that 96-2222 has been forfeited or abandoned on the property associated with permit 96-9478. The remainder of water right 96-2222 may or may not still be a valid water right. I only addressed the property associated with 96-9478, since I only had access to the owner of property associated with permit 96-9478 to discuss the existing water use under water right 96-2222.

The proof of beneficial use form states that the owner of the property has complied with Fish and Game's fish screen requirements, so it appears as though the fish screen conditions have been met.

Conditions 1 (004) and Condition 4 (X15) on the permit will be carried forward to licensing. Condition 2 (26A) will be removed at licensing. Condition 3 (R66) will be changed to condition X31 to better describe the amount of water that can be diverted to 0.03 cfs and 2.4 af.

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

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	04/01 to 10/31	0.03 CFS	2.4 AF
	<u>Totals:</u>	0.03 CFS	2.4 AF

2. Recommended Amendments

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

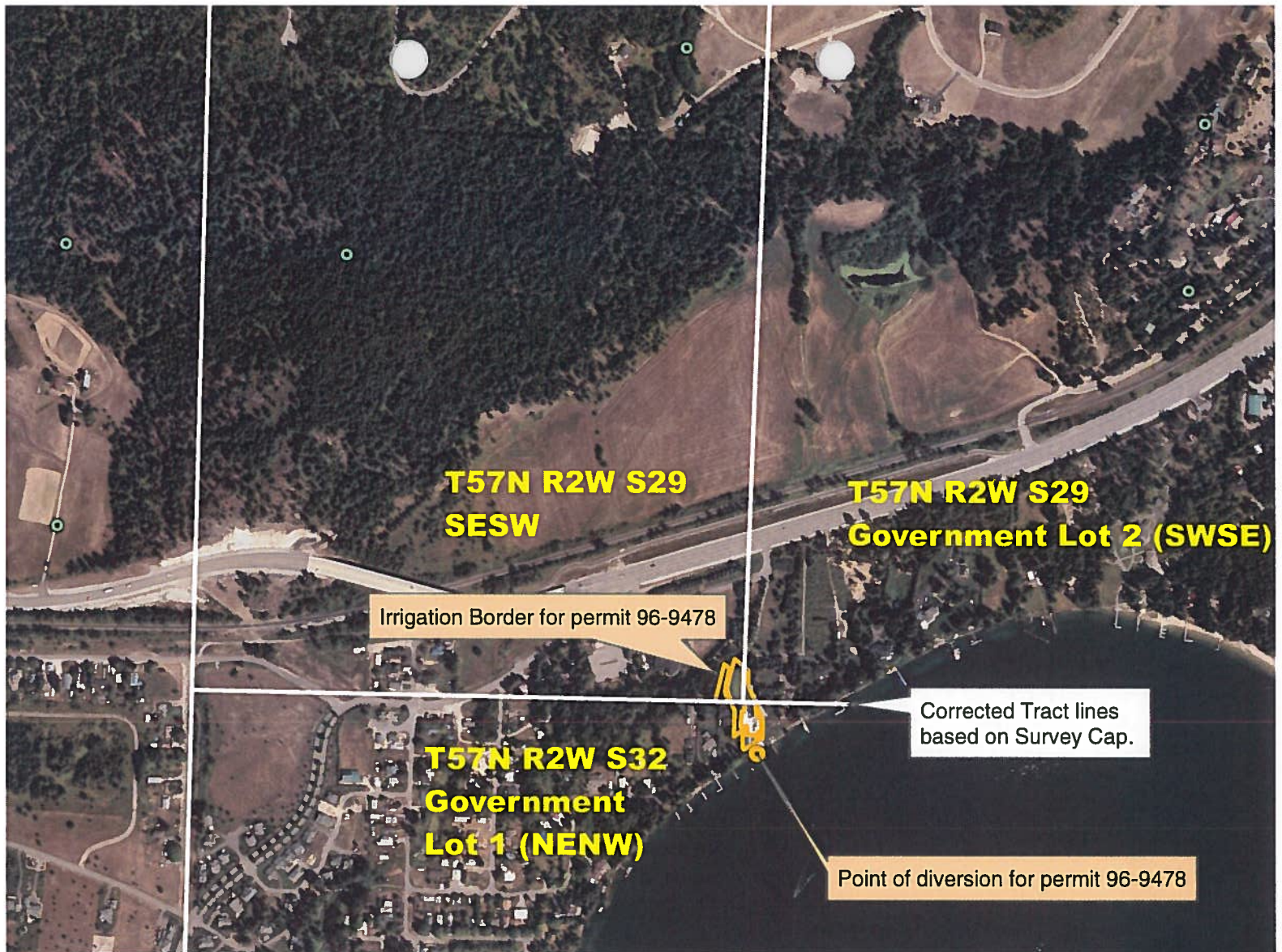
☒ Change P.U. as reflected above ☒ Add P.U. as reflected above ☐ None

Other: < >

J. AUTHENTICATION – DANIEL A. NELSON – STAFF HYDROLOGIST

Field Examiner's Name  Date 11-10-16

Reviewer _____ Date _____



Permit File 96-9478

This map depicts the correct sections and 40 acre tract lines for this area. I have marked the corrected survey lines in white. I investigated the parcel and 40 acre tract lines with our county parcel expert in our GIS section. It was discovered that the federal section lines (in blue) and 40 acre tract lines (in yellow) are incorreced. This caused a significant amount of confusion while approving this permit, resulting in a very poor depiction of the property in the permit file. The parcel in question is in the SESW and Lt 2 (SWSE) of Section 29 and Lt 1 (NENW) of Section 32. An amendment of permit will be necessary to correct this permit.

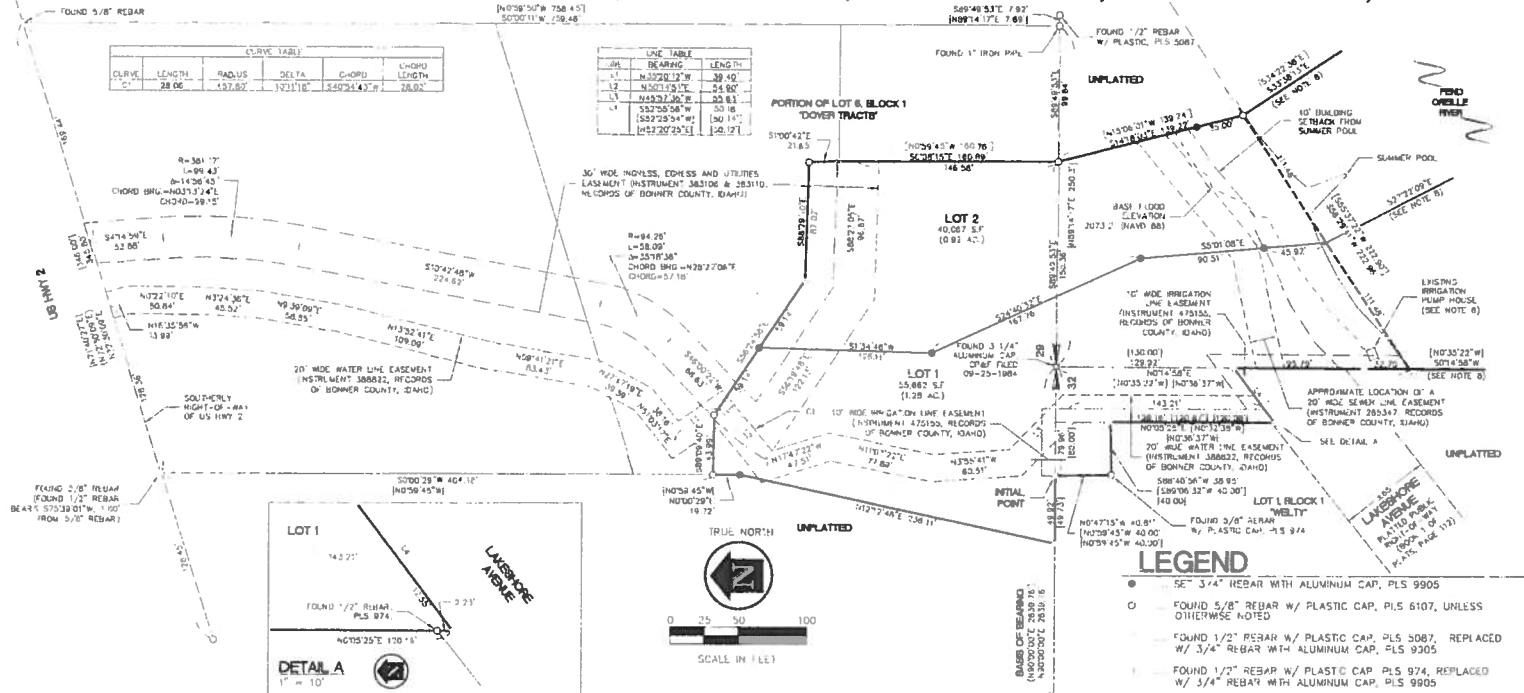


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BARRETT'S LOTS

A REPLAT OF A PORTION OF LOT 6, BLOCK 1, DOVER TRACTS SECTIONS 29 & 32, TOWNSHIP 57 NORTH, RANGE 2 WEST, BOISE MERIDIAN, BONNER COUNTY, IDAHO



NOTES

1. WATER IS PROVIDED BY THE CITY OF DOVER.
2. SEWAGE DISPOSAL IS PROVIDED BY THE CITY OF DOVER (ROCKY POINT SEWER DISTRICT).
3. A 4 FOOT WIDE WATER LINE EASEMENT, WITH NO DEFINED LOCATION, AFFECTS THE SUBJECT PROPERTY (BOOK 90 OF DEEDS, PAGE 325; INSTRUMENT 34550, RECORDS OF BONNER COUNTY, IDAHO).
4. AN EASEMENT FOR FLOODING BENEFITING THE UNITED STATES OF AMERICA AFFECTS THE SUBJECT PROPERTY (INSTRUMENT 66266, RECORDS OF BONNER COUNTY, IDAHO).
5. A VIEW EASEMENT WITH NO DEFINED LOCATION BENEFITS THE SUBJECT PROPERTY AND THE IMMEDIATE ADJONER TO THE EAST (INSTRUMENT 383109 & 383110, RECORDS OF BONNER COUNTY, IDAHO).
6. CCAP'S AFFECT THE SUBJECT PROPERTY (INSTRUMENTS 383110 AND 507241, RECORDS OF BONNER COUNTY, IDAHO).
7. THE LANDOWNER(S) OF LOT 1 ARE REQUIRED TO OBTAIN AN APPROVED ROAD ENCROACHMENT PERMIT FROM THE CITY OF DOVER PRIOR TO CONSTRUCTION OF ANY ACCESS FROM LAKESHORE AVENUE.
8. THE SIDE LINES OF THE LOTS IN THE SUBJECT PLAT EXTEND AS SHOWN TO THE ORIGINAL, PRE-DAM, HIGH WATER LINE OF THE PEND OREILLE RIVER.

SURVEYOR'S NOTE

THIS SURVEY WAS PERFORMED USING A 6 SECOND TOTAL STATION AND REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) EQUIPMENT. THE LINEAR ERROR OF CLOSURE MEETS OR EXCEEDS REQUIREMENTS OF THE STATE OF IDAHO.

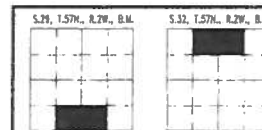
Instrument # 811099

BONNER COUNTY, SANDPOINT, IDAHO
6-15-2011 6:08:53 AM 47°49'N-2°
Recorded by: JAMES A. SORRELL, JLS
MADE SCOTT Fee 11.00
EX-Officio Recorder Deputy



BASIS OF BEARING

BASIS OF BEARING IS THE RECORD OF SURVEY RECORDED UNDER INSTRUMENT 723842, RECORDS OF BONNER COUNTY, IDAHO.



BARRETT'S LOTS

James A. Sorrell and Associates, LLC
1205 HIGHWAY 2, SUITE 101
SANDPOINT, IDAHO 83864, (208) 263-4160

DATE: 5-13-11
PAGE: 1 OF 2
SHEET: 1 OF 2
SHEET TITLE: BARRETT'S LOTS
SHEET NO.: 1 OF 2