

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7856

Exam Date: 7/31/2012

1. Current Owner: DANIEL H DEISS
3681 WESTMOND RD
SAGLE ID 83860
(208)265-0421

And/Or

GWLADYS E DEISS
3681 WESTMOND RD
SAGLE ID 83860
(208)265-0421

2. Accompanied by: OWNER

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE**

MOYIE RIVER

TRIBUTARY

KOOTENAI RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

MOYIE RIVER L4 NW1/4NW1/4 Sec. 2, Twp 64N, Rge 02E, B.M. BOUNDARY County

Method of Determination: GPS

2.

PLACE OF USE: WILDLIFE STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
64N	02E	2	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
								X											
								L 4											

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
64N	02E	2	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
								1.0											1.0
								L 4											

Total Acres: 1

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

<u>Well or Diversion</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
<u>ID No.*</u>					

PUMP EQUATIONS WATER RIGHT No. 98-7856						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	2.5	140.0816327	0.7	36	45
Q =	0.110 cfs		49.4 gpm			

E. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method: _____

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses: THE VOLUMES ARE SET BY PROTEST SETTLEMENT MEMORANDUM, MARCH 9, 2007

Pond size is 12 X 33 X 5 = 0.05 AF Seepage = 0.03 AF Evaporation = 0.02 AF: **TOTAL POUND SIZE = 0.10 AF**

G. NARRATIVE/REMARKS/COMMENTS:

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

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DIVERSION TO STORAGE	04/15 to 10/31	0.050 CFS	
WILDLIFE STORAGE	01/01 to 12/31		0.10 AF
IRRIGATION	04/15 to 10/31	0.050 CFS	1.50 AF
<u>Totals:</u>		0.050 CFS	1.60 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

I. AUTHENTICATION

Field Examiner's Name E. J. Smith Date 1-8-2013

Reviewer [Signature] Date 1-8-13

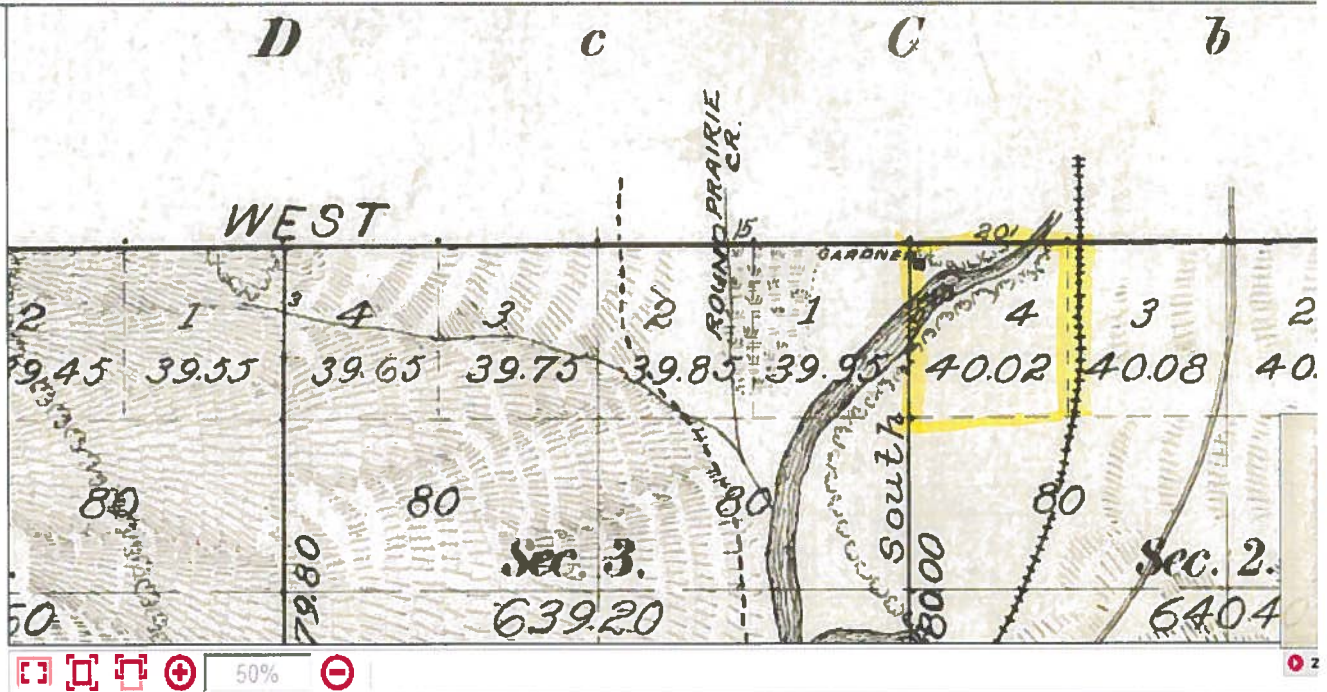
Survey Details - BLM GLO Records - Windows Internet Explorer

http://www.glorerecords.blm.gov/details/survey/default.aspx?dm_id=1228238&sid=u1n1fnoc.r5i

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Survey Details - BLM GLO Records



Javascript Viewer

Plugin Viewer

Basic Viewer



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Keithmap10 - Arc...

Survey Details - B...

MEMORANDUM

March 9, 2007

To: The File
From: Keith Franklin, Senior Water Resources Agent
Subject: Protest Settlement

On January 23, 2007 the applicant met with the Department of Fish & Game to try and settle the concerns of that department. A protest settlement was agreed to as follows:

1. Period of Use shall be between 4/15 and 10/31 for all uses.
2. Change the application to reflect the following uses and amounts:
 - a. Diversion to storage 0.05 cfs
 - b. Wildlife storage 0.10 Acre-foot
 - c. Irrigation 0.05 cfs
3. The water right can only use up to a maximum of 2,500 gpd.
4. Pump intake must be screened to 0.25-inch mesh or less.
5. Pump intake approach velocity cannot exceed 0.5 ft/sec.
6. The annual irrigation volume for this right cannot exceed 1.5 acre-feet per year.
7. Water shall not be diverted under this right when flows in the Moyie River are below established minimum flow amounts.

Follow up letters of agreement, by both the applicant and the protestant are in the file for further review. A draft permit has been prepared and is also in the file for review and consideration.



SYSTEM .JPG



PUMP .JPG



POD SCREEN.JPG



POND.JPG



IRRIGATION .JPG



IRRIGATION _JPG

