

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9273
Exam Date: 4/25/2007

1. Current Owner: JERRY L HANSON
9295 S TALL PINES RD
COEUR D'ALENE ID 83814
(208)765-8146
2. Accompanied by: JERRY L HANSON
Phone No: (208)765-6146
Address: 9295 S TALL PINES RD, COEUR D'ALENE ID 83814
Relationship to Permit Holder: SAME

3. SOURCE TRIBUTARY
SPRINGS MICA CREEK

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

SPRINGS	SW1/4NW1/4SW1/4	Sec. 9, Twp 49N, Rge 04W, B.M.	KOOTENAI County
SPRINGS	NW1/4SW1/4SW1/4	Sec. 9, Twp 49N, Rge 04W, B.M.	KOOTENAI County
SPRINGS	NW1/4SW1/4SW1/4	Sec. 9, Twp 49N, Rge 04W, B.M.	KOOTENAI County

Method of Determination:

2.

<u>PLACE OF USE:</u>		<u>IRRIGATION</u>																	
Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
49N	04W	9											1.8	.2					2.0
Total Acres:																			2

<u>PLACE OF USE:</u>		<u>IRRIGATION FROM STORAGE</u>																	
Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
49N	04W	9											1.8	.2					2.0
Total Acres:																			2

<u>PLACE OF USE:</u>		<u>IRRIGATION STORAGE</u>																	
Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
49N	04W	9												X					

<u>PLACE OF USE:</u>		<u>RECREATION STORAGE</u>																	
Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
49N	04W	9												X					

<u>PLACE OF USE:</u>		<u>WILDLIFE STORAGE</u>																	
Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
49N	04W	9												X					

Method of Determination:

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	Model # ~~AA-101-11~~ Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
-	Goulds	1	C48L2DB11A4	Goulds	8842
-	-	-	-	-	-

*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
SEE	BELOW	IN NARRATIVE				

2. Measurements:

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS
WATER RIGHT No.

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = HP*8.8*Eff/H	1	62.82313	0.7	5	25
Q =	0.098	cfs			

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (2) \times (0.3) = 0.6 \text{ cfs}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 (246) \times 1.9835 = 29.27 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.6 \text{ AF}$$

2. Volume Calculations for Other Uses:

Irrigation from Storage	= Irrigation	= 6.0 AF	} 6.0 AF
Irrigation Storage	= Irrigation	= 6.0 AF	
Recreation Storage	= Permit	= 1.4 AF	} 1.4 AF
Wildlife Storage	= Permit	= 1.4 AF	
			<u>7.4 AF</u>

G. NARRATIVE/REMARKS/COMMENTS

Field Exam conducted April 25th 2007 beginning at 10:00 A.M. Photos for Field Exam were retaken in August 2007 due to an inexperienced camera operator on April 25, 2007.

The property owner has a pond measuring 80 feet wide by 150 feet long. The pond is 12 feet deep. Acre Feet of the pond was calculated at 2.5 AF. The pond and three springs which fill it are a single system. Therefore a single water right is appropriate. The property is located in the Mica Creek valley approximately 1/4 mile west of Lake Coeur Alene.

Portions of the the East, South, and West sides of the pond are confined by a bank that rises one to two feet above the adjacent ground level. The North side of the pond is confined by a hillside that rises away from the pond..

Three springs provide water to fill the pond. The pond was originally built by a prior owner to provide stockwater. This first spring emerges from the bottom of the pond.. No separation exists between the pond and the second spring (N 47 Degrees 36.175, West 118 52.193) which emerges from the hill side to the North of the pond. A third spring has been covered and drains into the pond from a pipe below water level that is located at the upper (West) end of the pond. Discharge from all three springs could not be meaasured either together or separately during the Field Exam. A overflow outlet is located at the East end of the pond.

Water in the pond is used for irrigation, irrigation storage, irrigation form storage, recreation storage and wildlife storage. The owner has a fish permit from Idaho Fish and Game.

A one horsepower Goulds Pumps Model Number C48L2DB11A4 is used to extract irrigation water from the pond. The serial number is 8842. The pump is kept in a shelter on the North side of a small building at the West end of the pond. The pump pulls water from the pond to sprinkler heads that are used for irrigation of two acres on the valley floor. Two irrigation risers deliver water to a small portion of the North Hillside near the residence and storage building.

Several beneficial uses are duplicated on Permit 95-9273. Diversion to storage is not recommended for the Licence because it cannot be measured. Recreation, and Wildlife are not recommended beacuse these uses are covered by Recreation Storage and Wildlife Storage.

There are
~~There are~~ no extenuationhg circumsatancers present that call for additional irrigation water beyond .03 CFS Per Acre.

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>
IRRIGATION	03/15 to 11/15	0.060 CFS	
IRRIGATION FROM STORAGE	03/15 to 11/15		6.00 AF
IRRIGATION STORAGE	03/15 to 11/15		6.00 AF
RECREATION STORAGE	01/01 to 12/31		1.40 AF
WILDLIFE STORAGE	01/01 to 12/31		1.40 AF
<u>Totals:</u>		0.060 CFS	7.40 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

William M. Mapey

Date

1/18/08

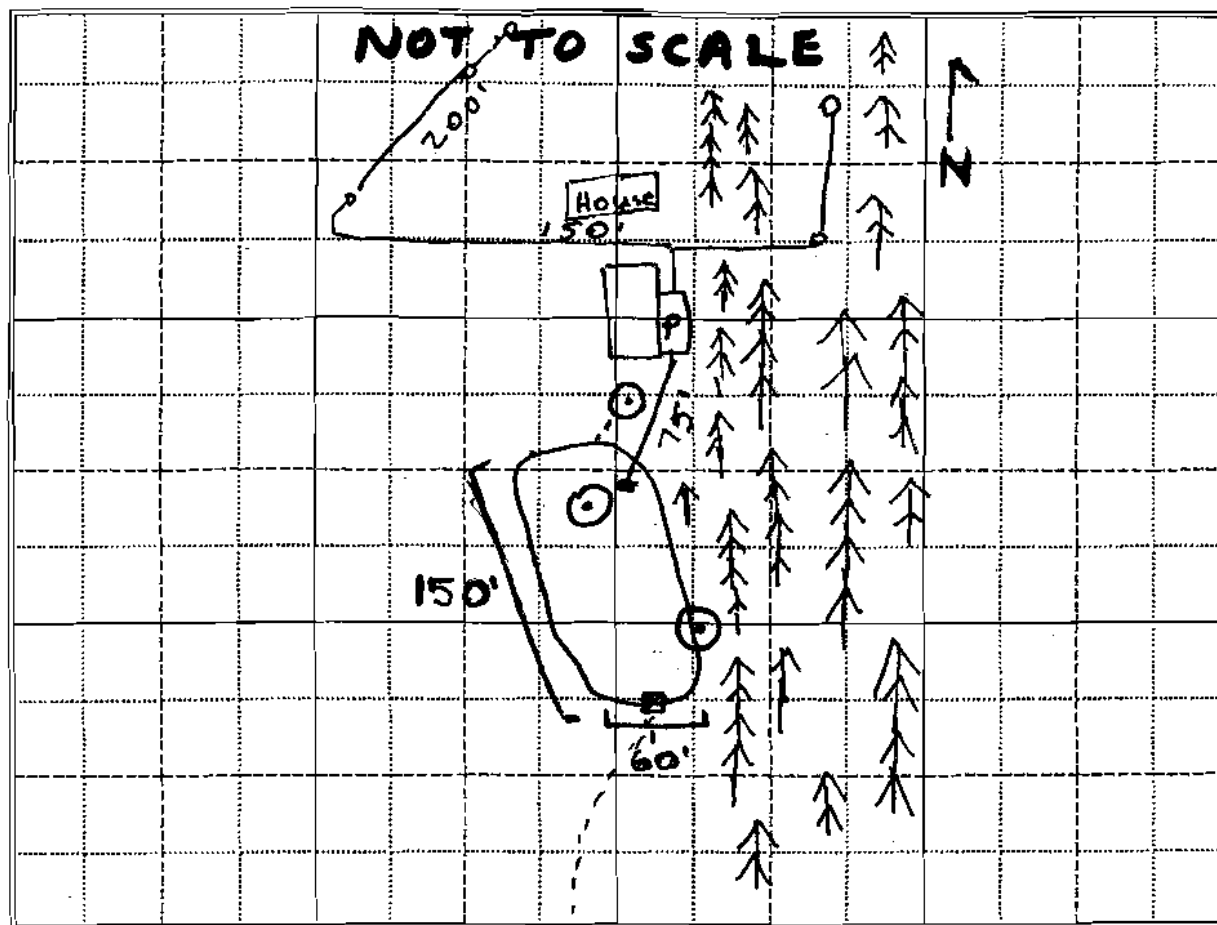
Reviewer

[Signature]

Date

2/14/08

●



- ① Spring (covered with buried drain to Pond)
- ② Spring

--- Buried Pipe From Spring to Pond

☒ Outlet

— Intake line for Irrigation Pump

—○—○— Water Line with Sprinkler Heads

P Pump Shelter

S Shelter (Building)



Forested Hill Side

95-9273



0.04 0 0.04 0.08 Miles

A horizontal scale bar with alternating black and white segments, used to indicate distance in miles.

 Kootenai taxlots
 GCDB49N04W GCDB
 Right POD





95-9273 House & Rock
Cover Spring 1 Inlet.JPG



95-9273 Irrigation Riser
1.JPG



95-9273 Irrigation Riser
2.JPG



95-9273 Irrigation Riser
3.JPG



95-9273 Pond Intake Line &
Storage BLDG N Side.JPG



95-9273 Pond Outlet.JPG



95-9273 Pond.JPG



95-9273 POU North
end.JPG



95-9273 Pump House
Shleter N Side.JPG



95-9273 Pump Shelter
Insulated Cover.JPG



95-9273 Pump Shelter on
Left-North.JPG



95-9273 Spring 1 Inlet Close
-Up.JPG



95-9273 Spring 3 Pipe to
Pond.JPG



95-9273 Spring 3.JPG



95-9273.JPG

95-9273



95-9273 House & Rock Cover Spring Inlet 1.jpg



95-9273 Irrigation Riser 1.jpg

95 - 9273



95-9273 Irrigation Riser 2.jpg



95-9273 Irrigation Riser 3.jpg

95-9273



95-9273 Irrigation Riser & POU Middle.jpg



95-9273 Pond Intake Line & Storage BLDG South Side.jpg

95-9273



95-9273 Pond Outlet.jpg



95-9273 Pond.jpg

95-9273



95-9273 POU North End.jpg



95-9273 Pump House Shelter N Side.jpg

95-9273



95-9273 Pump Shelter Insulated Cover.jpg



95-9273 Pump Shelter on Left-North.jpg

95-9273



95-9273 Spring 1 Inlet Close-Up.jpg

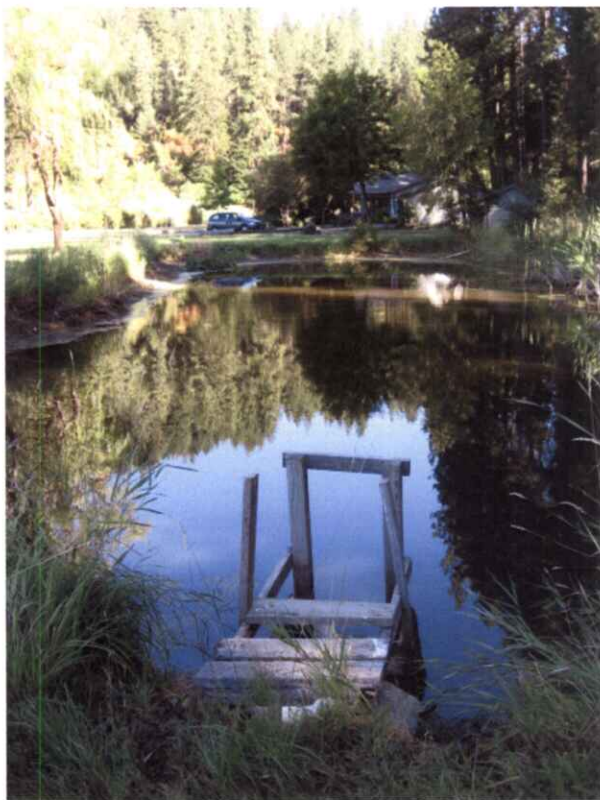


95-9273 Spring 3 Pipe To Pond.jpg

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95-9273 Spring 3.jpg



95-9273 Pond.jpg

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