

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-22840

Exam Date: 9/25/2012

1. Current Owner: SOUTH COVE VENTURES LLC
ATTN: CHARLES HILL VP
PO BOX 1607
BELLEVUE WA 98009
(425)460-2504
2. Accompanied by: Jeanie Robertson (IDWR)

3. **SOURCE**

UNNAMED STREAM

TRIBUTARY

SCHOOLER 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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**UNNAMED STREAM
CAMAS County

NE1/4SW1/4

Sec. 28, Twp 02S, Rge 15E, B.M.

Method of Determination: GIS and aerial photography

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
02S	15E	28									X								

Method of Determination: GIS and aerial photography

D. FLOW MEASUREMENTS

N/A (on stream storage)

E. FLOW CALCULATIONS

N/A (on stream storage)

F. VOLUME CALCULATIONS

- Surface area of pond = 0.083 acres (per GIS shape file for pond boundary using Esri aerial photography)
- Maximum depth of the pond was estimated at seven feet (per field observation)

Using the V-shaped reservoir capacity equation from the IDWR Field Examiners Handbook:

Capacity = Surface area x Maximum Depth x 0.4 = 0.083 acres x 7 feet x 0.4 = 0.2324 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 37-8777 was filed January 21, 1992 and the permit was issued September 29, 1995 for 0.4 acre-feet of stockwater storage and stockwater from storage uses southeast of Fairfield. The source was listed as an "unnamed stream tributary to Thorn Creek". The application for permit described two ponds and the permit was issued for two points of diversion. Proof of Beneficial Use was filed on November 29, 1996. On September 25, 2012 Jeannie Robertson (IDWR) and I conducted the licensing field exam for permit 37-8777.

During the exam it was noted that two excavated ponds are constructed across an unnamed channel approximately 10.3 miles southeast of Fairfield. The ponds are actually two separate, independent, facilities, approximately the same size, that happen to be on the same unnamed channel 400 -500 feet apart from each other. Several other rights on the surrounding properties owned by the same entity exist for single ponds/reservoirs. For these reasons, permit 37-8777 was split into two separate water rights, 37-22839 and 37-22840, so that a separate water right can be associated with each pond.

The 37-22840 pond is located in a flat area that drains to the southeast eventually entering the Schooler Creek drainage before entering the Thorn Creek drainage approximately eight miles below the pond. The pond was estimated to have an excavated maximum depth of approximately seven feet. As indicated in the volume calculations above, the reservoir capacity is estimated at approximately 0.2 acre-feet. The pond has no outlet control works so controlled releases of water from the pond are not possible. For this reason, the stockwater from storage component described on the permit does not exist so it is recommended that it be dropped from the license. The Esri aerial photography appears to indicate several livestock trails running to and from the pond and evidence of livestock use was visible in the bottom of the pond and surrounding area. It is recommended that license 37-22840 be issued for 0.2 acre-feet of stockwater storage. It is also recommended that the source be licensed as an unnamed stream tributary to Schooler Creek rather than the permitted "unnamed stream tributary to Thorn Creek". Note that the pond was developed as described on the original Application for Permit (description of proposed diverting works, same location, etc.) so the change in source on the license can be viewed as a more refined, accurate, source description rather than an actual physical change from the permitted source.

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>
STOCKWATER STORAGE	01/01 to 12/31	N/A	0.20 AF
<u>Totals:</u>		N/A	0.20 AF

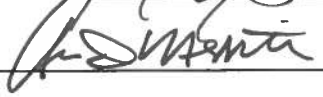
2. Recommended Amendments

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

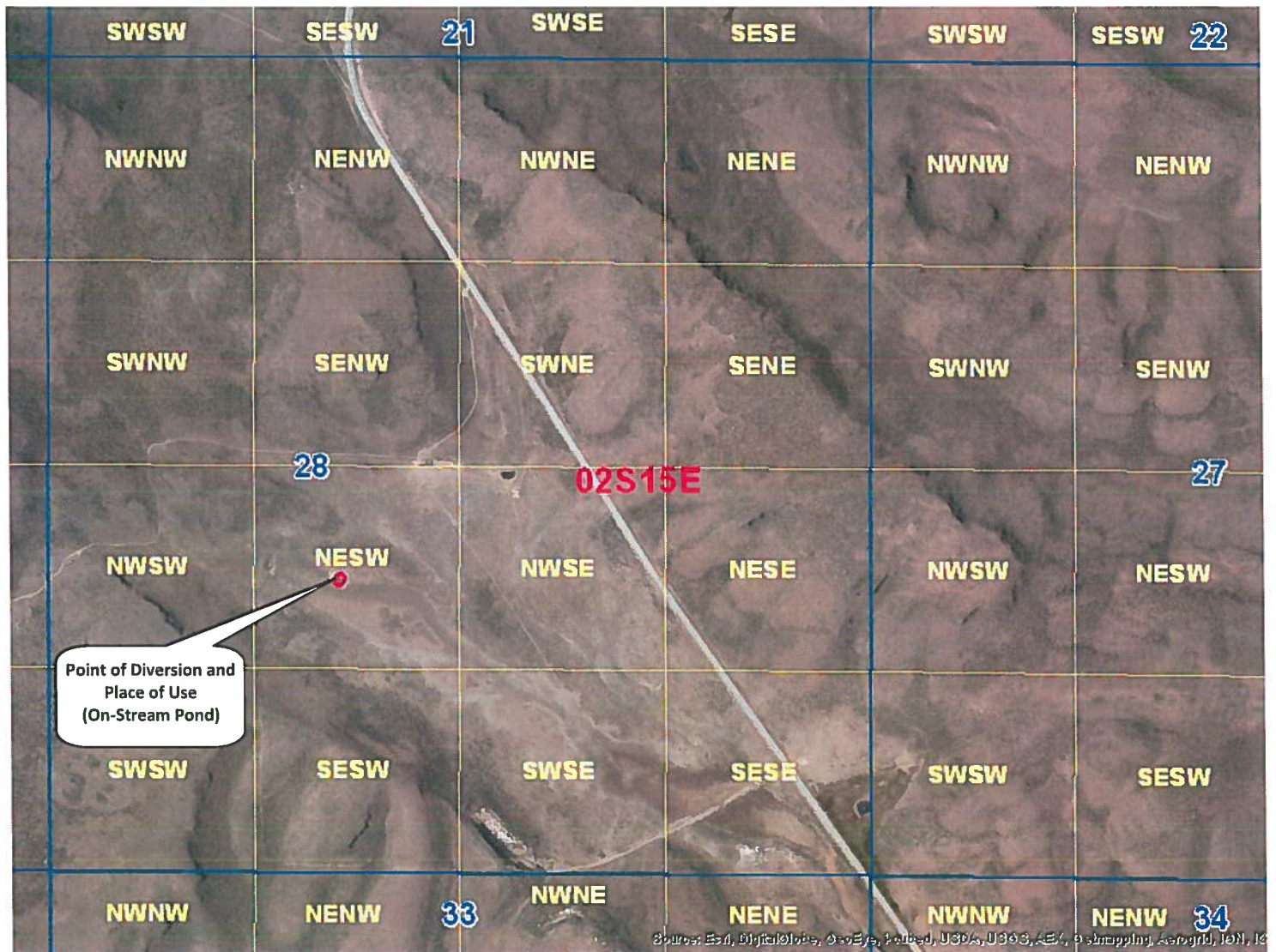
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

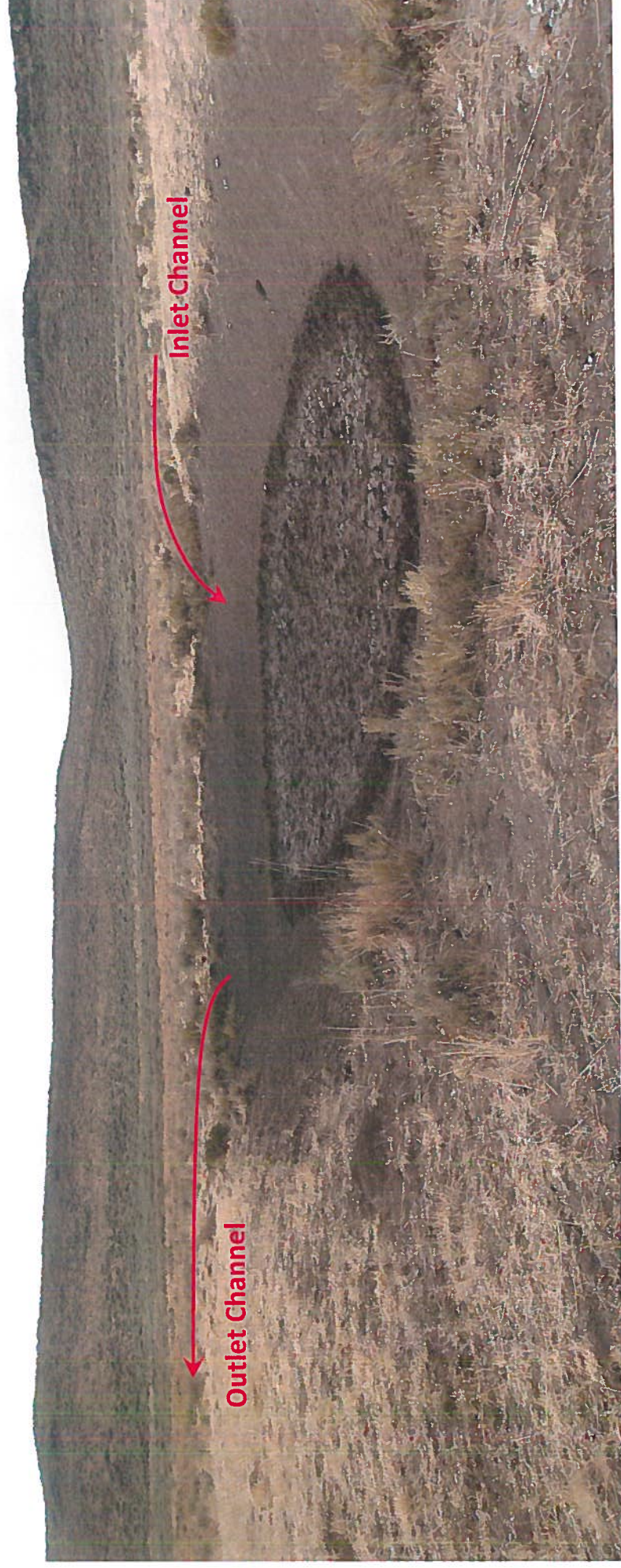
Field Examiner's Name  Date 9/27/2013

Reviewer  Date 10/10/13

37-22840 Point of Diversion and Place of Use Map



37-22840 Point of Diversion and Place of Use Photo



View looking to the south, showing the pond (approximately 0.083 acres in size with a maximum depth of approximately seven feet). The pond is excavated in a flat area but it appeared that runoff water would enter the pond at the southwest corner and could exit the pond at the southeast corner. This general area drains to the southeast eventually entering the Schooler Creek drainage before entering the Thorn Creek drainage approximately eight miles below this location. Note the signs of livestock use in the bottom of the pond.