

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8775

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

SPRING 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

SW1/4SE1/4SW1/4

Sec. 21, Twp 02S, Rge 15E, B.M.

CAMAS County

Method of Determination: GIS and aerial photography

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
02S	15E	21												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 reservoir = 0.46 acres (per GIS shape file for reservoir boundary using Esri aerial photography)
- Hydraulic height of the embankment was estimated at 5.5 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 = 0.46 acres x 5.5 feet x 0.4 = 1.012 acre-feet (Use permitted amount of 1.00 acre-feet)

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 37-8775 was filed January 21, 1992 and the permit was issued November 17, 1995 for 1.0 acre-feet of stockwater storage use on an unnamed stream tributary to Spring Creek southeast of Fairfield. 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 37-8775.

The system consists of an earth embankment constructed across an unnamed channel approximately 9.6 miles southeast of Fairfield. Water in the unnamed channel is tributary to the Spring Creek drainage. An open channel spillway exists on the right (south) end of the embankment. The embankment was estimated at approximately eight feet in height (downstream toe to embankment crest) with an estimated spillway depth of approximately 2.5 feet resulting in a estimated hydraulic height of approximately 5.5 feet. As indicated in the volume calculations above, the reservoir capacity is estimated at approximately 1.0 acre-feet, which corresponds to the permitted amount. The Esri aerial photography appears to indicate several livestock trails running to and from the reservoir. It is recommended that license 37-8775 be issued for 1.0 acre-feet of stockwater storage.

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	1/01 to 12/31	N/A	1.00 AF
<u>Totals:</u>		N/A	1.00 AF

2. Recommended Amendments

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

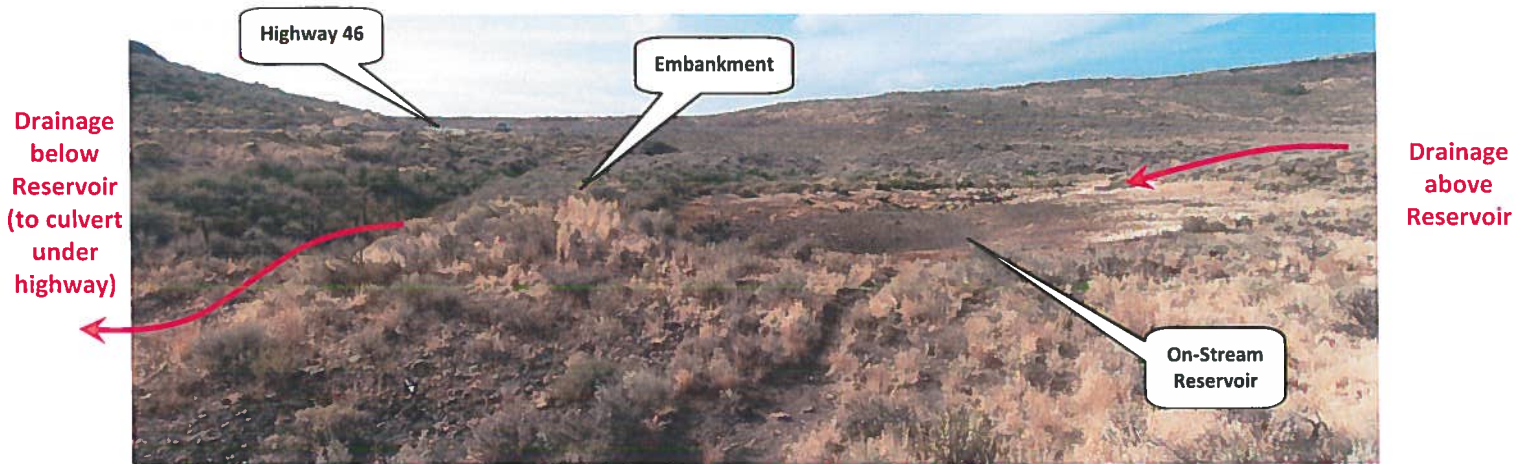
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name  Date 9/24/2013

Reviewer  Date 10/10/13

37-8775 Point of Diversion & Place of Use Photos



ABOVE: View from the left (north) side of the embankment and reservoir that serve as the point of diversion and place of use for 37-8775. The embankment and reservoir are built on a channel that runs through a culvert under Highway 46.

BELOW: View from the shoulder of Highway 46 looking towards the embankment and reservoir that serve as the point of diversion and place of use for 37-8775. A spillway channel routes excess flow around the right (south) end of the embankment.

