

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-16874

Exam Date: 9/10/2012

1. Current Owner: LILAC THREE LLC/LILAC SIX LLC
C/O JOAN MARTINKO MGR
1118 S BRADDOCK AVE (REAR)
PITTSBURGH PA 15218
(412)247-7677
2. Accompanied by: Jeff Cooper (IDWR)

3. SOURCEGROUND WATER
RUNOFF**TRIBUTARY**

EAST FORK SALMON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None for the uses covered by this right. Note that irrigation rights 72-193A, 72-2142, and claim/recommendation 72-16789 can enter the pond and travel through the pond for irrigation of lands below.
2. Other water rights with the same point of diversion: None

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

RUNOFF	NW1/4NW1/4SW1/4	Sec. 25,	Twp 10N,	Rge 18E, B.M.
CUSTER County				
GROUND WATER	NE1/4NE1/4SE1/4	Sec. 26,	Twp 10N,	Rge 18E, B.M.
CUSTER County				

Method of Determination: Aerial photography and field verification

2.

PLACE OF USE: AESTHETIC STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	18E	25										X							
10N	18E	26													X				

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	18E	25										X							
10N	18E	26													X				

Method of Determination: Aerial photography and field verification

D. FLOW MEASUREMENTS N/A (on-stream storage)**F. VOLUME CALCULATIONS**

Arcmap indicates that the surface area of the pond is approximately 2.5 acres. Using an average depth of 4 feet, based on field estimates, and a 2.5 acre surface area, the pond volume would be about 10 acre-feet. Precipitation deficit values for shallow systems &/or stock ponds in the Stanley and Challis area indicate anticipated evaporative losses anywhere from 1.31 – 2.29 acre-feet per acre per year. It is recommended that the license be issued for the permitted 11.1 acre-feet with the difference between the 10 acre-feet and 11.1 acre-feet partially covering anticipated evaporative losses from the pond. The irrigation rights that run through the pond could also partially cover anticipated evaporative losses from the pond.

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 72-16874 was filed August 19, 2011 to appropriate 11.1 acre-feet of water from an unnamed stream (tributary to the East Fork of the Salmon River) and groundwater to obtain an aesthetic storage and stockwater storage right for an existing pond located approximately 6.4 miles south and 5.3 miles east of Clayton. Permit 72-16608 was issued November 25, 2011, but listed the sources as "runoff" (tributary to the East Fork of the Salmon River) and groundwater. Proof of Beneficial Use was filed on February 28, 2012. On September 10, 2012, while in the area, Jeff Cooper and I conducted the licensing exam for 72-16874.

The pond consists of an embankment constructed across a low area that collects runoff flows from surrounding areas. Note that surface water entering the pond does not necessarily flow in a defined channel, but enters the pond from surrounding areas. For this reason, it was originally recommended that the permit be issued with a source of "runoff", rather than an "unnamed stream". The pond is excavated and intercepts the high ground water in the area (location is adjacent to the East Fork of the Salmon River). The proposed point of diversion in Section 25 represents the embankment (capturing and impounding runoff from surrounding areas) and the proposed point of diversion in Section 26 represents the lowest excavated point in the bottom of the pond (intercepting groundwater). Note that irrigation water diverted from the East Fork of the Salmon River pursuant to rights 72-193A and 72-2142, and claim/recommendation 72-16789 can also enter the pond and travel through the pond for the irrigation of lands below. A field check of the pond indicated that there is no low level outlet at the pond and that this diverted irrigation water is rediverted via overflow channels from the pond and that storage of this water does not occur (see 9/16/20011 memo and photos in file). An estimate of the pond volume and an allowance for evaporation losses indicates that the permitted 11.1 acre-feet of storage can be licensed.

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>
AESTHETIC STORAGE	01/01 to 12/31	N/A	11.10 AF
STOCKWATER STORAGE	01/01 to 12/31	N/A	11.10 AF
<u>Totals:</u>		N/A	11.10 AF

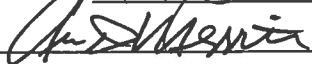
2. Recommended Amendments

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

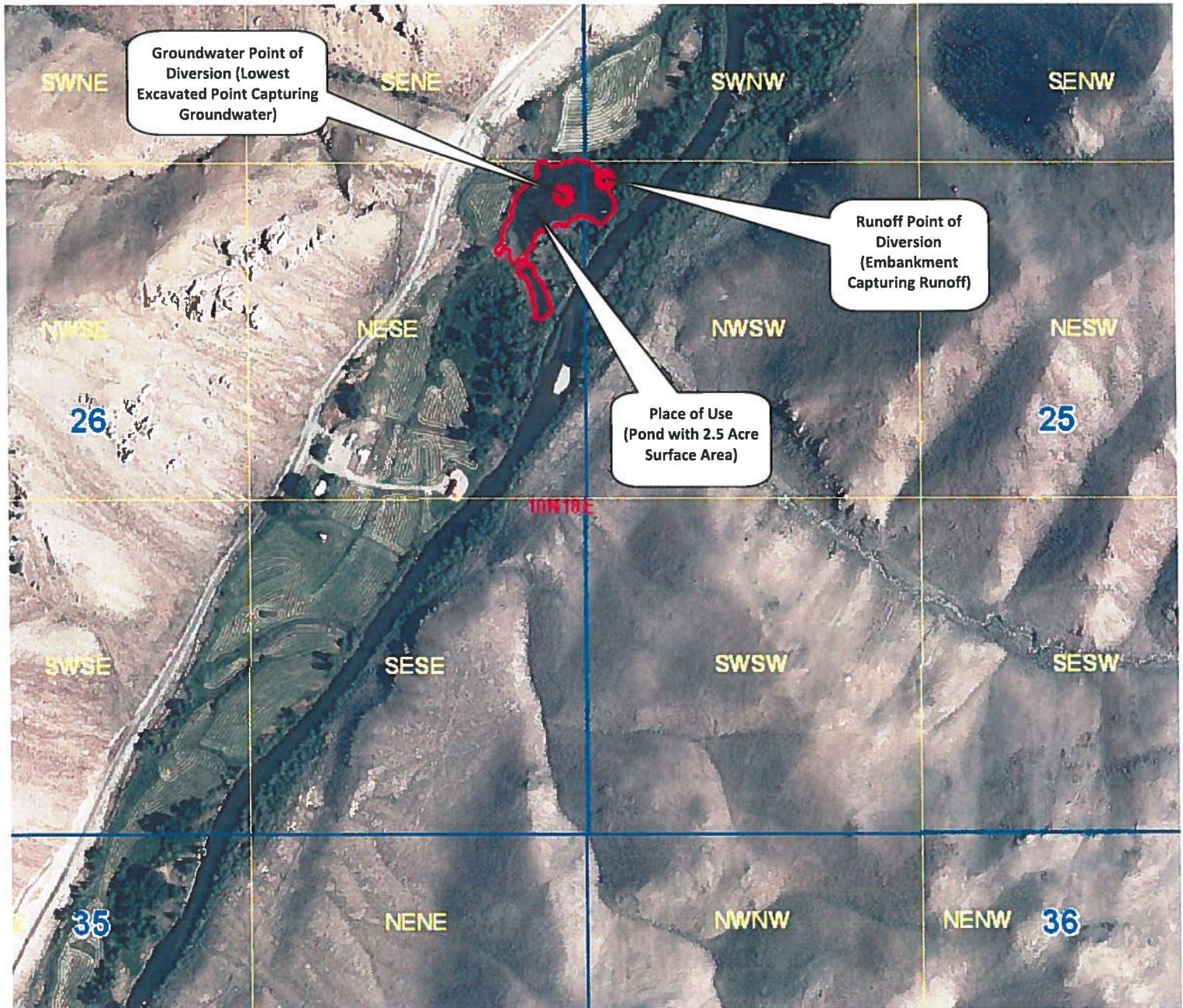
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

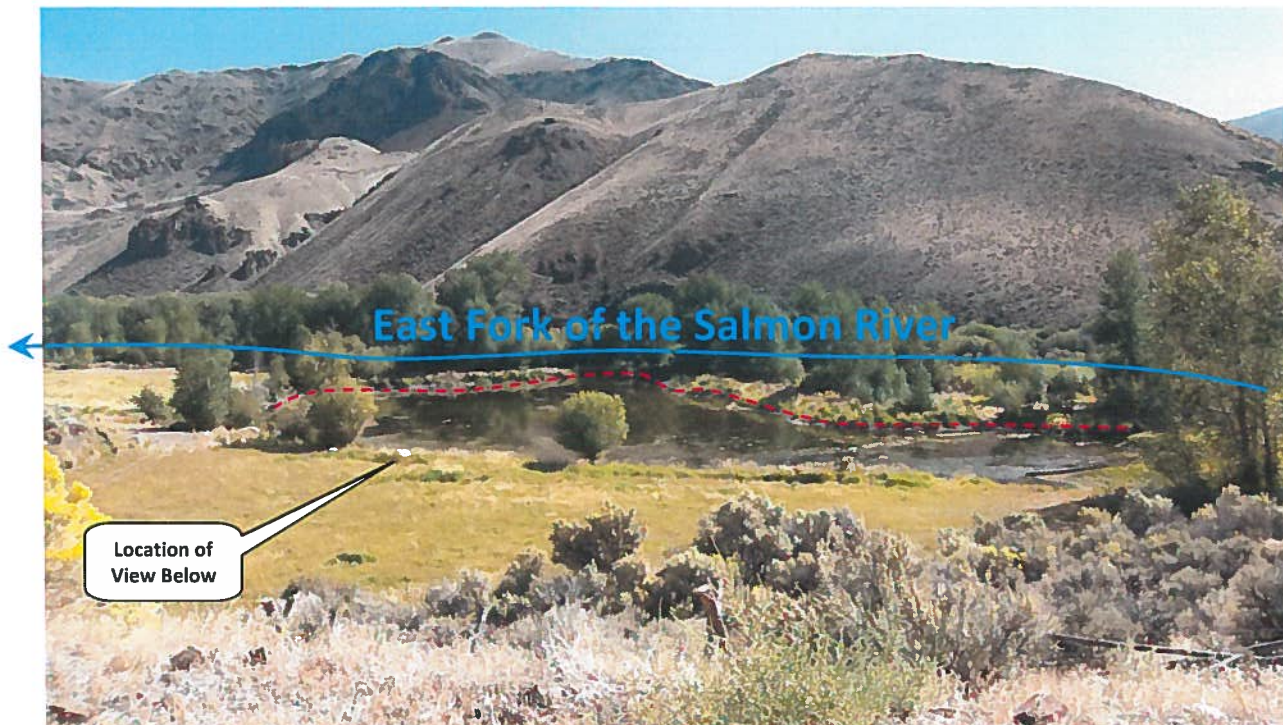
Field Examiner's Name  Date 1/17/2013

Reviewer  Date 1/18/2013

72-16874 Point of Diversion and Place of Use Map



72-16874 Point of Diversion and Place of Use Photos



ABOVE: View of the pond from the East Fork Road with the East Fork of the Salmon River visible in the background. The red dashed line indicates the location where a constructed embankment exists around the pond. Note that the pond captures and impounds runoff from the area in the foreground and to the right of the photo. The pond is also excavated into the relatively high water table in the gravelly material next to the East Fork of the Salmon River. Irrigation water from the East Fork of the Salmon River can also run across the pond and is diverted via overflow channels to irrigate land below (left edge of photo).

BELOW: Close up view of pond from location indicated in view above.

