

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8781

Exam Date: 9/27/2012

1. Current Owner: BLACK BUTTE HILLS LLC
C/O GREGORY VIK
PO BOX 1607
BELLEVUE WA 98009
(425) 460-2542
2. Accompanied by: Not accompanied by anyone, but had verbal permission from the manager, Ron Gonsales.
Phone No: (208) 764-3904
Relationship to Permit Holder: Manager.

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 SYSTEM

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

UNNAMED STREAM NE1/4SE1/4 Sec. 13, Twp 02S, Rge 15E, B.M. CAMAS County

Method of Determination: Garmin GPS Map 76S, ArcMap 2011 and esri Imagery

2. **PLACE OF USE:** STOCKWATER STORAGE and STOCKWATER FROM 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	
02S	15E	13													X				

*Stockwater Storage (pond), and Stockwater from Storage (the steel stockwater tank located east of the pond). The 1000 mixed head (cattle/horses) can drink directly from the pond and the stockwater tank. At the time of the field examination, there was no live flow going into the stockwater tank (it was dry), but historically the tank is show on ArcMap, and there was evidence in the tank confirming that water had been diverted there and used for stock.

Method of Determination: Garmin GPS Map 76S, ArcMap 2011 and esri Imagery

3. X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- X Aerial Photo Attached (required for irrigation of 10+ acres).

 Photo of Diversion and System Attached (field exam pictures were lost when computer crashed, and were not able to be retrieved; for this reason close ups of ArcMap 2011 imagery and field exam narrative are used).

4.

<u>Well or Diversion ID No.*</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>
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Run off from snowmelt and springs make up the Unnamed Stream that is dammed up by a 4 - 6 ft earthen dam, and continues to flow down the Unnamed Stream by way of discharging through the POD/spillway located on the northwest end of the dam (all gravity flow)

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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None

3. Measurements:

None (no diversion measurements required since this is in-stream storage).

E. FLOW CALCULATIONS

Measured Method:

None.

F. VOLUME CALCULATIONS

1. Volume Calculations for Stockwater Storage:

Arc Map calculated 0.5 acres X 2.0 ft average depth = 1.0 af*

2. Volume Calculations for Other Uses:

(1000 mixed head cattle/horses X 12 gpd X 275 days)/325,850 = 10.13 af = 10.1 af

RECOMMEND:

Stockwater Storage 1.0 af

Stockwater from Storage 1.0 af

Total Annual Volume 1.0 af*

*Administrative Memo, Licensing #14, Seepage Loss, Exceptions: *On-stream reservoirs will not be required to take extra measures to prevent seepage losses.....For this reason, no seepage loss was included in the total.*

G. NARRATIVE/REMARKS/COMMENTS

Pictures of the pond taken at the time of the field examination, were lost when my computer crashed and had to be rebuilt. Pictures from 9/27/2012 were not retrieved.

The source of the Unnamed Stream is run-off from springs that travels south to northwest down a dirt ditch, through a culvert that is located under the road, and discharges into the stockwater storage pond, then via gravity flow continues through the POD/spillway located on the northwest side of the dam. There is an unknown size buried pipe that via suction and gravity flow discharges to the steel stockwater tank located to the east of the pond. Beneficial use is for 1000 mixed head (cattle/horses), which can drink directly from the pond and from the stockwater tank. Stock are rotated around, and are only grazing in this location 4/1 - 12/1. The springs run year-round so the stockwater storage is for 1/1 - 12/31.

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

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER STORAGE	01/01 to 12/31	1.00 AF
STOCKWATER FROM STORAGE	04/01 to 12/01	1.00 AF
<u>Totals:</u>		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

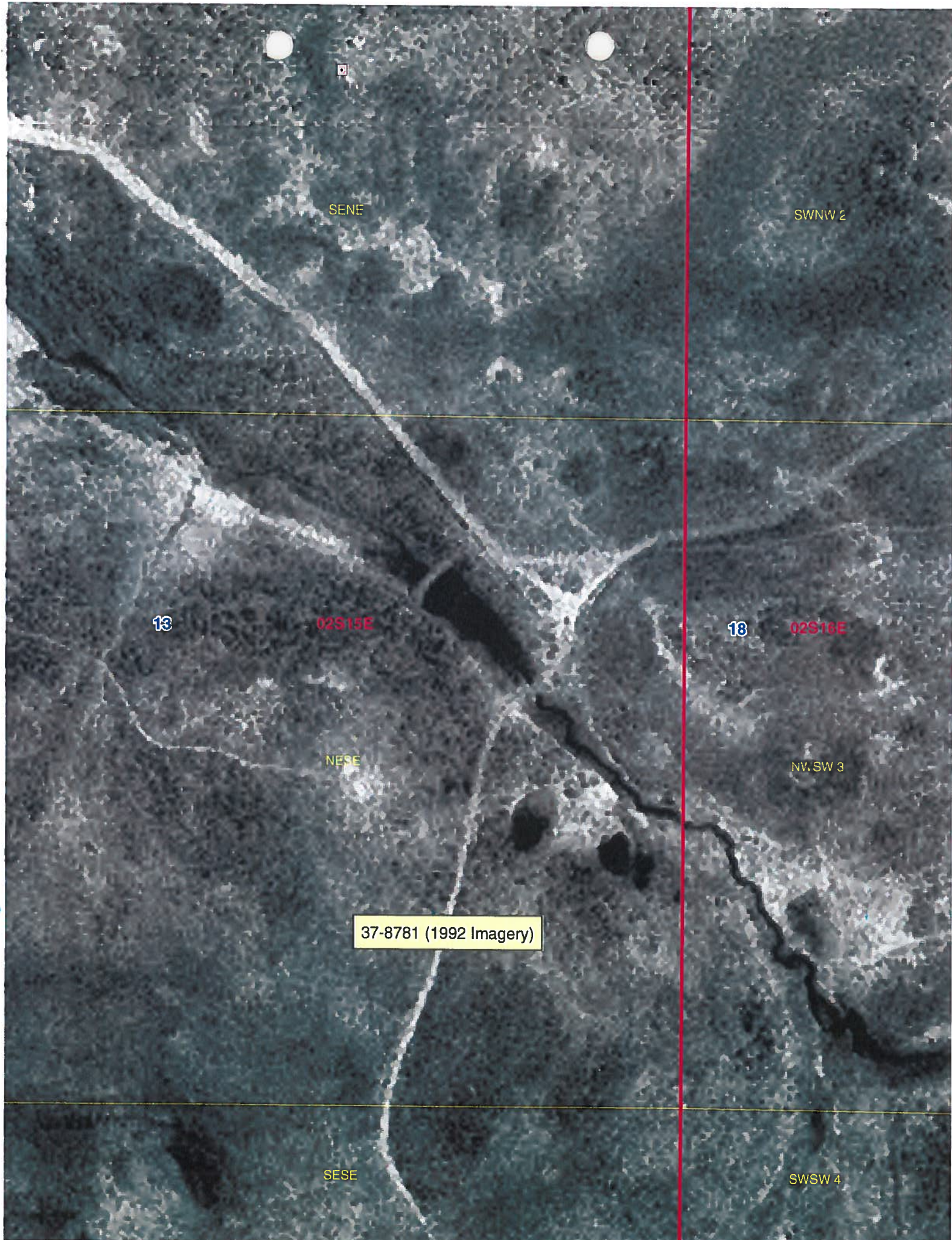
I. AUTHENTICATION

Field Examiner's Name

Ernst Hemenway

Date

2/5/2014



SENE

POU: Stockwater from Storage (Stockwater Tank)

POD/spillway on 4' - 6' height dam

POU: Stockwater Storage (0.5 acre X 2 ft average depth = 1 acre ft)

13

02S15E

4000

culvert under the road with Unnamed Stream
(the source is run-off from springs)

37-8781 (1992 Imagery)

SENE

POU: Stockwater from Storage (stock tank)

POD/spillway on 4' - 6' height dam

POU: Stockwater Storage (0.5 acre X 2 ft average depth = 1 acre-ft)

13

02S15E

NESE

culvert under the road with Unnamed Stream
(the source is run-off from springs)

37-8781 (esri Imagery)

SENE

POU: Stockwater from Storage (Stockwater Tank)

POD/spillway on 4' - 6' height dam

POU: Stockwater Storage (0.5 acre X 2 ft average depth = 1.0 ac-ft)

13

02S15E

NESE

culvert under the road with Unnamed Stream
(the source is run-off from springs)

37-8781 (2011 Imagery)

SENE

POU: Stockwater from Storage (Stockwater Tank)

POD/spillway on 4' - 6' height dam

POU: Stockwater Storage (0.5 acre X 2 ft average depth = 1.0 ac-ft)

13

82S15E

NESE

culvert under the road with Unnamed Stream
(the source is run-off from springs)

37-8781 (2009 Imagery)

SENE

POU: Stockwater from Storage (Stockwater Tank)

POD/spillway on 4' - 6' height dam

POU: Stockwater Storage (0.5 acre X 2 ft average depth = 1.0 ac-ft)

13

62S15E

NESE

culvert under the road with Unnamed Stream
(the source is run-off from springs)

37-8781 (2006 Imagery)

SENE

POU: Stockwater from Storage (Stockwater Tank)

POD/spillway on 4' - 6' height dam

POU: Stockwater Storage (0.5 acre X 2 ft average depth = 1.0 ac-ft)

13

02S15E

NESE

culvert under the road with Unnamed Stream
(the source is run-off from springs)

37-8781 (2004 Imagery)

37-8781 0.5 acre stockwater storage pond

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37-8781

Pictures of this stock tank taken
9/19/2012 while in the area, prior to
the start of the exam

S. Hemenway



37-8781

Stakeholder Storage Pond
S. Hernandez



09/19/2012