

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8779

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 NE1/4SW1/4 Sec. 18, Twp 02S, Rge 16E, B.M. CAMAS County

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

2.

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	
02S	16E	18									X					X			

*Stockwater from Storage was removed as a beneficial use, since that would require water to be diverted away from the storage pond. None is diverted away; the cattle and horses drink directly from the pond.

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

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 (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.

Well or Diversion

<u>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 springs make up the Unnamed Stream that is dammed up by an 8 ft earthen dam, and continues to flow down the Unnamed Stream by way of discharging through the spillway located on the southern end of the dam (all gravity flow)

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

D. FLOW MEASUREMENTS

1.

Measurement

<u>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

2. 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 4.5 acre X 2.2 ft average depth = 9.9 af = 10.0 af *

2. Volume Calculations for Other Uses:

(1000 mixed head cattle/horses X 12 gpd X 275 days)/325,850 = 10.13 = 10.0 af (as permitted)

RECOMMEND:

Stockwater Storage 10.0 af

Total Annual Volume 10.0 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. For this reason, only close up imagery from 2011, and descriptions from physically being on-site will make for the field report narrative. There is an 8 foot high earthen dam running on the northwest side of the pond. The spillway is the POD, which if there is any excess flow, allows water to continue down the Unnamed Stream. Run-off from springs makes up the flow for the Unnamed Stream. The depth is 6 feet near the dam, then moving east it becomes very shallow, with an average depth of 2.2 ft. Beneficial use is for 1000 mixed head (cattle and horses). The cattle/horses are moved this area 4/1 - 12/1.

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	10.00 AF
<u>Totals:</u>		10.00 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 Judy Hemenway Date 2/3/2014

SENW

SWNE

18 02S16E

NESW

NWSE

37-8779 POU

2011
Imagery

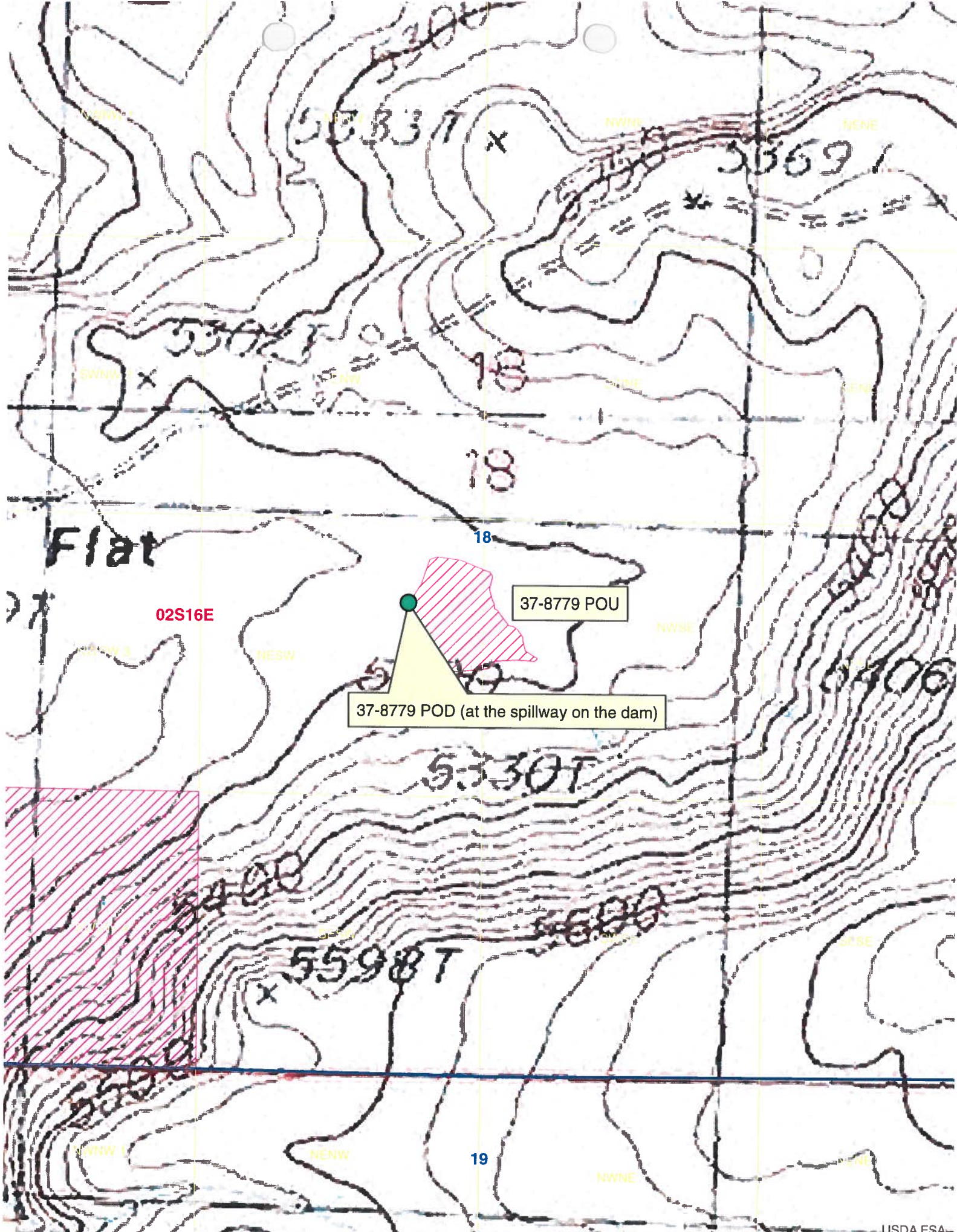
37-8779 POD (at the spillway on the dam)



37-8779 POU - V 2.Hg.

4/27/2017

5. Homestead



NENW

NWNE

SENW

SWNE

18

02S16E

37-8779 POD (at the spillway on the dam)

2004

37-8779 POU

NESW

NWSE

SESW

SWSE

37-8779

Dred Size 2004

5 ft. max. size





NENW

NWNE

SENW

SWNE

18

02S16E

37-8779 POD (at the spillway on the dam)

2011

37-8779 POU

NESW

NWSE

SESW

SWSE

USDA/PSA

37-8779

Dam Size: 2011

611m x 112m

NENW

NWNE

SENW

SWNE

18

02S16E

37-8779 POD (at the spillway on the dam)

esri Imagery

NESW

37-8779 POU

NWSE

SESW

SWSE

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community

37 8779

D. and C. 100

Esri Imagery

6-11-2010

37-8779 Black Butte