

[illegible]

Method of Determination: Place of use determined by using 2009, 2011 aerial photography, 2010 Bing Maps satellite imagery and 2011 Google Earth satellite imagery. Point of diversion appears to be in Twp 01N, Rge 17E, S 6, Lot 6, NWNW¼. See attached map.

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

D. FLOW MEASUREMENTS

1. Measurements: Per BLM documentation flow rate was estimated at 10 gpm

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Hazen Williams Full Pipe Flow Calculation (based on information provided by the BLM and elevations estimated using Google Earth):

$$Q=0.432C_1D^{2.63}S^{0.54}$$

Where:

C_1 = roughness coefficient

D = Diameter in feet

S = Slope

$S = 27' \text{ elevation drop} / 212' \text{ distance} = 0.13$

$C_1 = 140$ (coefficient for polyethylene)

$D = 0.104'$ (1.25" polyethylene)

$Q = 0.05 \text{ cfs}$

- F. **VOLUME CALCULATIONS** This right will be limited to 13,000 gallons per day.

G. NARRATIVE/REMARKS/COMMENTS

Permit 37-8938 is for 0.02 cfs stockwater and wildlife. Source is a spring referred to as Parrot Spring tributary to Camp Creek.

Application for permit 37-8938 submitted by the US Dept of Interior, Bureau of Land Management was received on September 01, 2000 and proof of Beneficial Use was submitted September 20, 2000.

Parrot Spring is located approximately 11.4 miles west of the intersection of Hwy 75 and Hwy 23 in Bellevue. Point of diversion and place of use are located in the NWNWNW¼ of Sec. 6, Twp 01N, Rge 17E. The trough system consists of a spring box, pipe, trough and overflow pipe. According to the application for permit, up to 430 range cattle, 4,000 sheep and varying numbers of wildlife use the water source.

Overlap analysis indicates there is a partially decreed water right, 37-20122 sharing the same point of diversion (spring source) and place of use. Right 37-20135 is a Federal Reserve water right pursuant to Public Water Reserve 107. PWR 107 rights are intended as in-stream stock watering, although this isn't stated on the decree. Condition 238 will be added to the license to clarify the relationship between the two rights. There is also an in-stream water right, 37-14616, sharing the same point of diversion (beginning of reach) and place of use.

Recommend licensing a total of 0.02 cfs for stockwater and wildlife use.

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>
STOCKWATER	01/01 to 12/31	0.020 CFS
WILDLIFE	01/01 to 12/31	0.020 CFS
<u>Totals:</u>		0.020 CFS

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

Reviewer

Date

Bill Mikh
[Signature]

6-5-2012

6/29/12



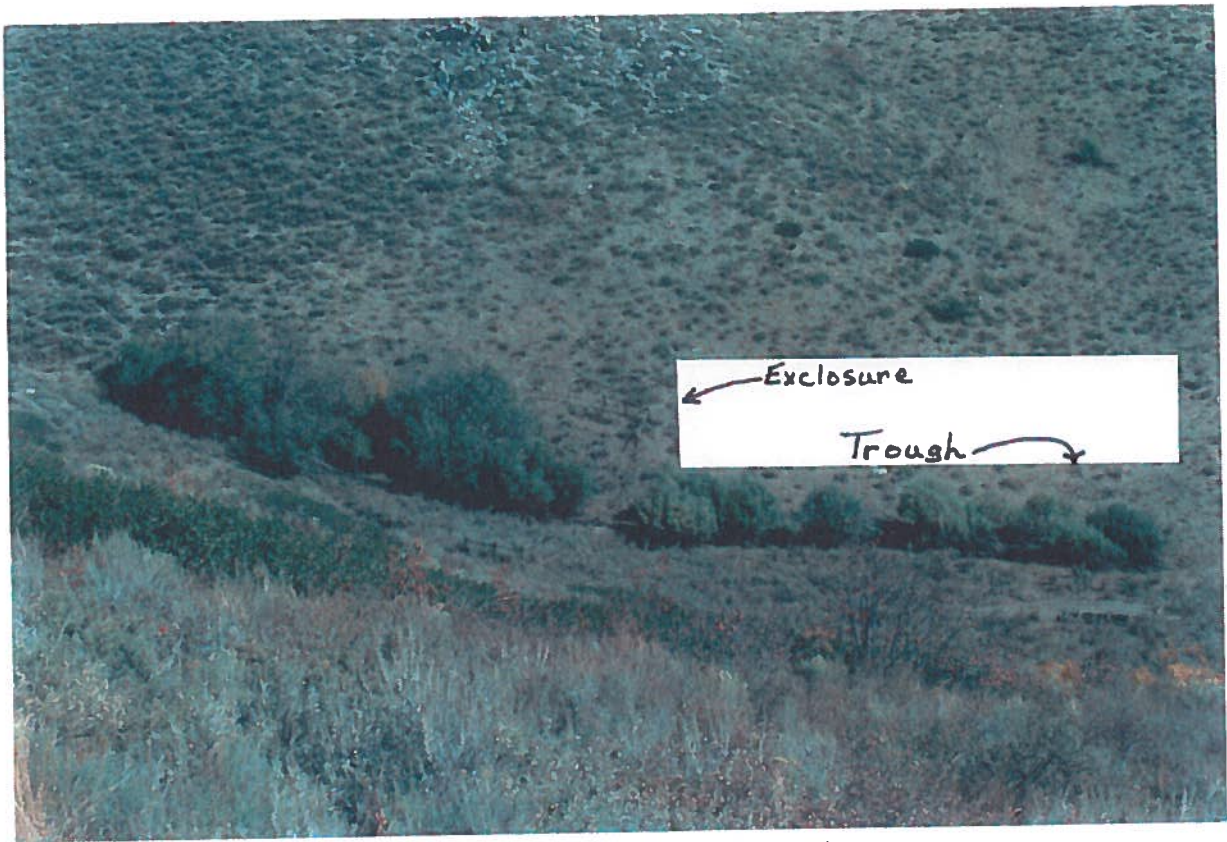
Parrot Spring Trough

Figure 1



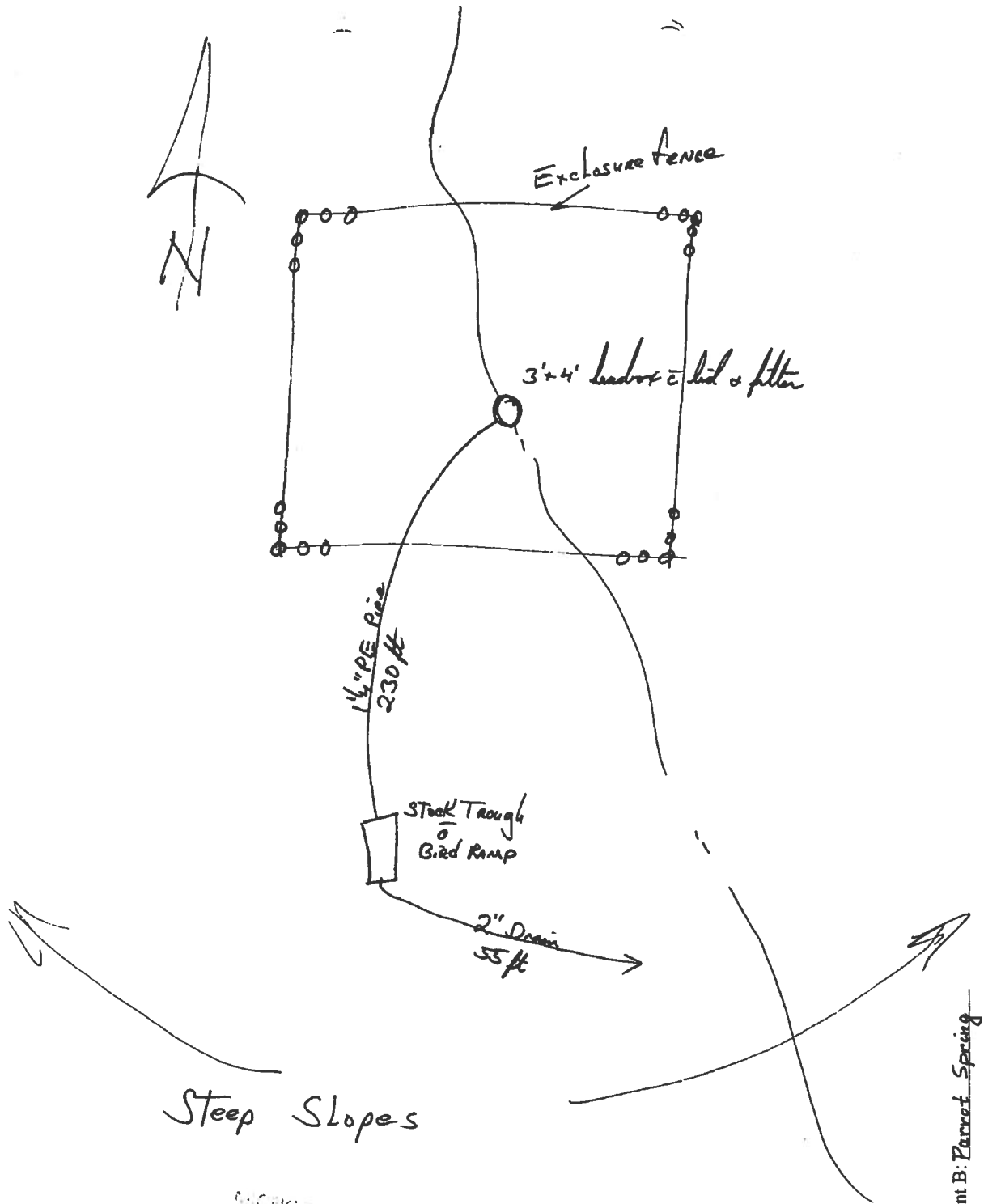
Parrot Spring Springbox

Figure 2



Parrot Spring Exclosure & Trough

Figure 3

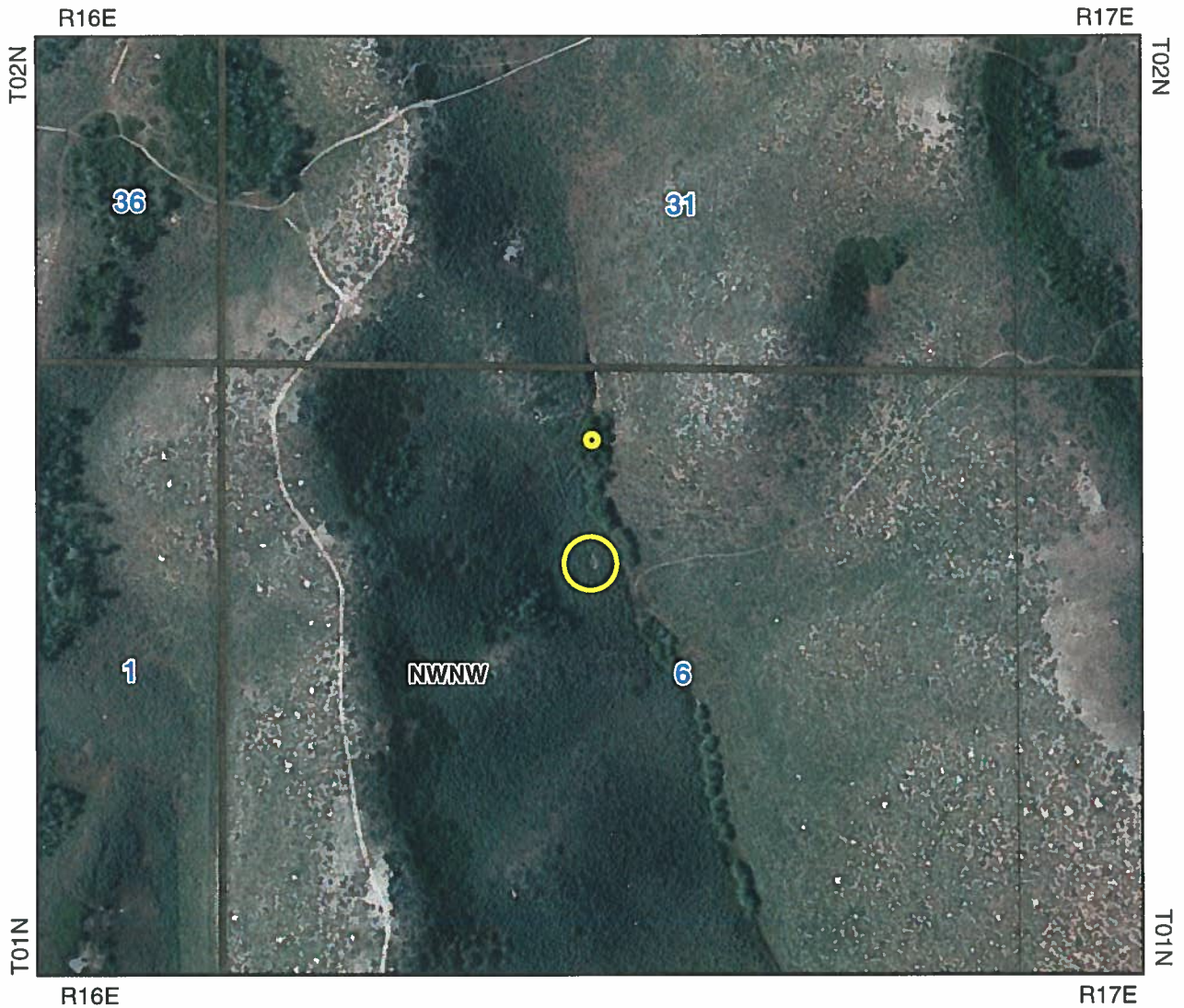


UNRECORDED
DATE 11/1/81

Attachment B: Parrot Spring

State of Idaho
Department of Water Resources
Attachment To Water Right License
37-8938

This map depicts the STOCKWATER & WILDLIFE place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



0 0.0375 0.075 0.15 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

