

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8721

Exam Date: 12/28/2010

1. Current Owner: INDIAN CREEK RANCH OWNERS ASSN INC
PO BOX 3411
HAILEY ID 83333-3411
(208)788-9887
2. Accompanied by: Ben Hoff & Ernie Carlsen (Idaho Water Engineering) & Corey Skinner (IDWR)
Phone No: (208) 726-6848
Address: PO Box 5822, Ketchum, ID 83340
Relationship to Permit Holder: Ben Hoff is president of the Indian Creek Ranch Owners Assn Inc.

3. SOURCE

INDIAN CREEK

TRIBUTARY

BIG WOOD RIVER

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:

INDIAN CREEK

NW 1/4NW 1/4NE 1/4

Sec. 33, Twp 03N, Rge 18E, B.M.

BLAINE County

Method of Determination: Site Visit

2.

PLACE OF USE: WILDLIFE 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>	
03N	18E	33		X															

RECREATION STORAGE same as WILDLIFE STORAGE

Method of Determination:

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: N/A

1. Measurements: N/A

E. FLOW CALCULATIONS: N/A☐ Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: Wildlife Storage/Recreation Storage

Surface area of impoundment = 0.3 Acres

Determined using measure tool in
ArcMap and map submitted by Idaho Water
Engineering

Impoundment capacity = 0.84 AF

Determined using v-shaped reservoir equation from
IDWR Field Examiners Handbook
(Capacity = Surface Area X Maximum Depth X 0.4)
(0.3 x 7 x 0.4) = 0.84

Additional volume loss due to evaporation = 0.8 AFA

Data taken from University of Idaho ETIdaho
website for actual evapotranspiration for open
water, shallow systems (ponds, streams), Hailey
Ranger Station Annual Mean = 782 mm
782 mm x (1 in/25.4 mm) x (1 ft/12 in) = 2.57 AFA
2.57 AFA x 0.3 Acres = 0.77 AFA

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$$0.84 \text{ AF} + 0.77 \text{ AF} = 1.6 \text{ AFA} \text{ Total Recommended Volume To Pond = 1.6 AFA}$$

G. NARRATIVE/REMARKS/COMMENTS

Permit 37-8721 is for wildlife/recreation storage from Indian Creek tributary to the Big Wood River.

Application for permit submitted by the Indian Creek Ranches Owners Assn Inc was received January 22, 1992 and Proof of Beneficial Use was submitted December 7, 1995.

Original application for permit was for 7.3 AF and five separate ponds on Indian Creek. Research indicated two of the ponds are already covered by other water rights. Water right 37-8872 with a volume of 3.30 AF covers the pond that was

developed in the SWSWNW ¼ of Sec. 27, Twp 03N Rge 18E, although the original application for permit listed it in the NENESE ¼ of Sec. 28, Twp 03N, Rge 18E. Water right 37-8873 with a volume of 0.90 AF covers the pond constructed in the NENESE ¼ of Sec. 28, Twp 03N, Rge 18E. Two of the ponds listed on the application for permit were constructed after Proof of Beneficial Use was filed, and a new application for permit will have to be filed in regards to the ponds located in the SESENW ¼ and NWNESW ¼ of Sec. 33, Twp 03N, Rng 18E.

The fifth pond was listed on the application for permit in the SWNESE ¼ of Sec. 28, Twp 03N, Rge 18E and was actually constructed in the NWNWNE ¼ of Sec. 33, Twp 03N, Rge 18E. The impoundment is located approximately 0.7 miles North and 0.4 miles east of Hailey. The point of diversion is an earth embankment that is approximately 7 ft high. Impoundment capacity measures 0.84 AF per v-shaped reservoir equation ($C = \text{Surface Area} \times \text{Maximum Depth} \times 0.4$). Surface area determined to be 0.3 acres using ArcMap measure tool and by map submitted by Idaho Water Engineering. Fire Protection has been dropped from the permit as there is no fire suppression system present at the pond.

Ben Hoff indicated the pond is used for fishing frequently and Ducks were present on the pond during our visit.

Recommend permitting 1.6 AFA for wildlife/ recreation 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>ANNUAL VOLUME</u>
RECREATION STORAGE	01/01 to 12/31	1.60 AF
WILDLIFE STORAGE	01/01 to 12/31	1.60 AF
<u>Totals:</u>		1.60 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 Bill Mott Date 3/4/2011

Reviewer [Signature] Date 3/4/2011



Figure 2: View from South and Point Of Diversion. Arrow indicates direction of flow.



Figure 1: Indian Creek Pond view from west side. Arrow indicates direction of flow.

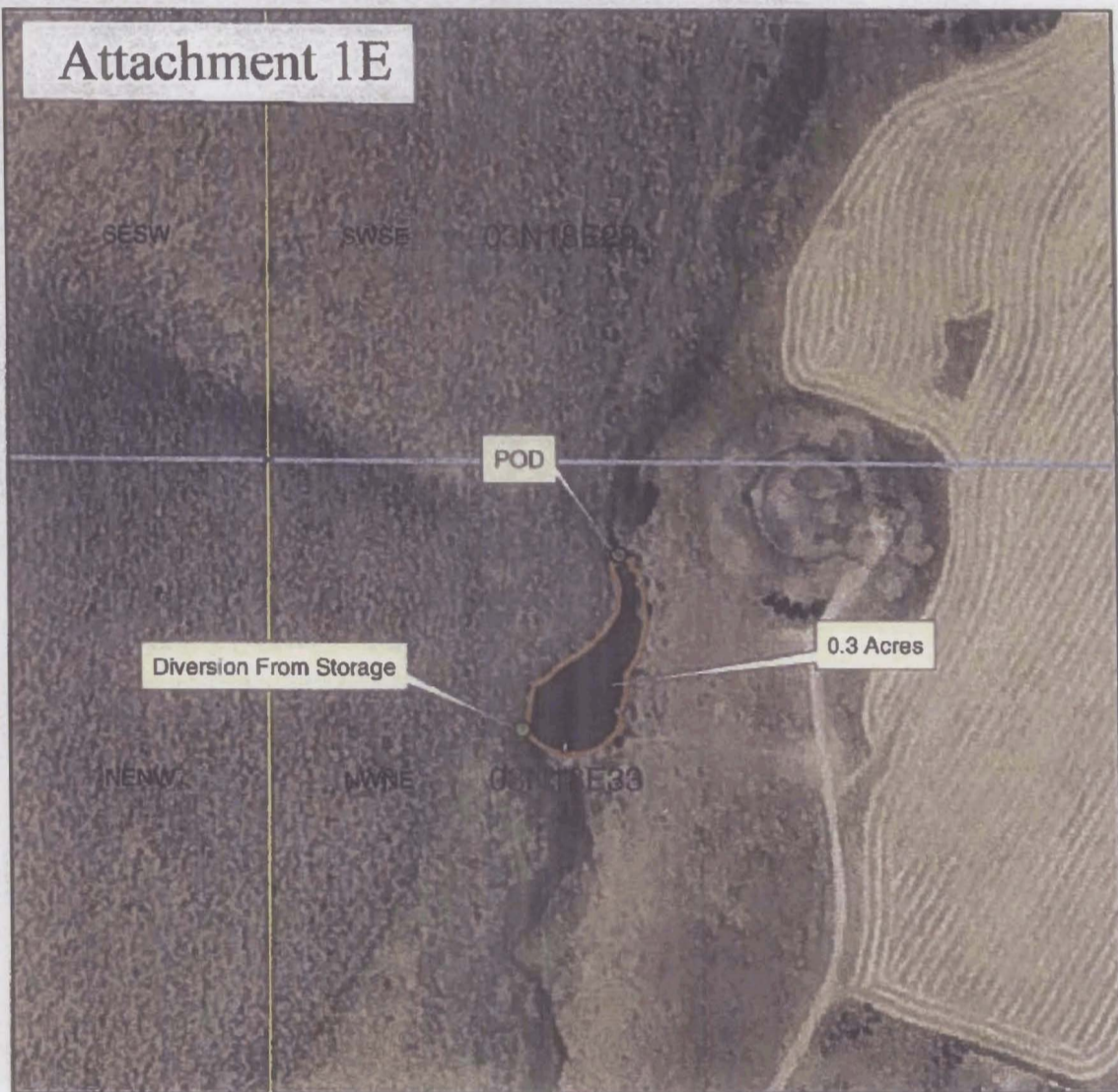


Figure 3: View from West bank of pond. Arrow indicates direction of flow.



Figure 4: Pond outlet and Point of Diversion.

Attachment 1E



2009 Aerial Photography

Legend

- PONDS
- Township/Range
- Sections
- QQ

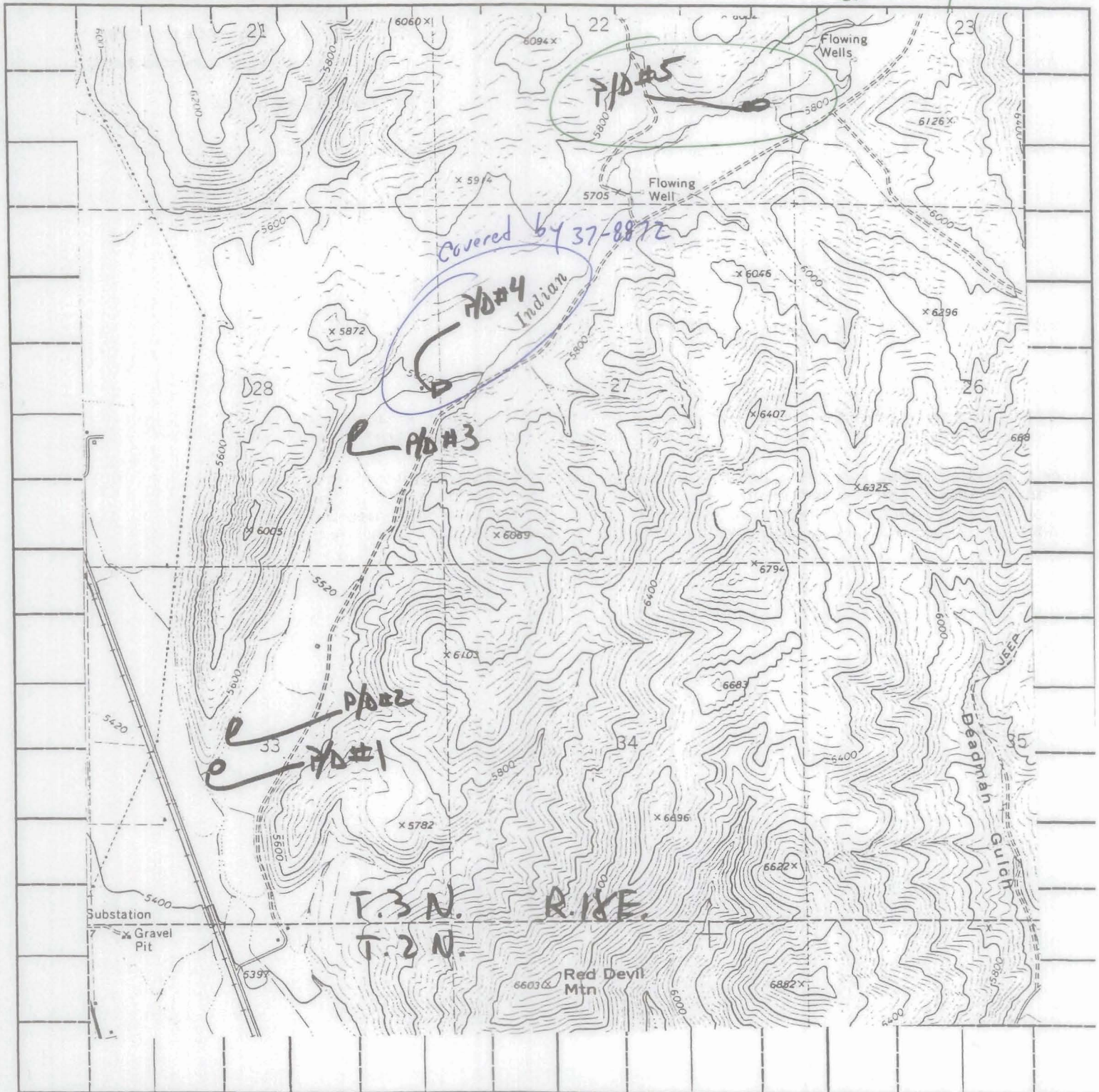
0 0.015 0.03 0.06 Miles

1 inch = 0.04 miles



13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

covered by 37-8873



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

[Signature] U.P.
(Applicant)

Control by
37-8872

28

37-8721

2009

POND?

PONDS

33



2009

12

22

28

27

33

37-4721



2009



Covered by

37-8873

22 23

27 26