

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-8368

Exam Date: 3/27/2013

1. Current Owner: STAN HAYE III
3539 E 3000 N
~~HANSEN ID 83334~~ Kimberly, ID 83341
(208)423-6291

2. Accompanied by: Stan Hays III

3. SOURCE

UNNAMED COULEE

TRIBUTARY

ROCK CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 47-13237 (stockwater); 47-13238 (irrigation; stockwater)
2. Other water rights with the same point of diversion: None

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

UNNAMED COULEE

NE1/4NW1/4

Sec. 33, Twp 11S, Rge 18E, B.M.

TWIN FALLS County

Method of Determination: Waypoints were collected with a Garmin GPSmap 60CSx receiver and downloaded into an ArcMap shapefile that corresponds with 2009 and 2011 aerial photography and verified the points of diversion are located as recorded. See attached map.

2.

PLACE OF USE: RECREATION 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>	
11S	18E	33					X												

Method of Determination: Tracks were collected with a Garmin GPSmap 60CSx receiver and downloaded into an ArcMap shapefile that corresponds with 2009 and 2011 aerial photography and verified the place of use is located as recorded. See attached map.

3. ☒ 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

E. FLOW CALCULATIONS: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for Other Uses: Recreational Storage

Surface area of pond = 0.056 acres

Determined by collecting GPS tracks and loading them into ArcMap.

Reservoir Capacity = **0.2 AF**

Determined using flat bottom reservoir equation from IDWR Field Examiners Handbook and information provided in permit application.
(Capacity = Surface area x Maximum Depth)
0.056 acres x 3 feet = 0.2 AF

G. NARRATIVE/REMARKS/COMMENTS

Permit was permitted for 4.00 cfs for fish propagation. Application for permit was submitted by Stan Haye on June 09, 1994 and proof of beneficial use was submitted May 30, 1996.

I met with Stan Haye on March 27, 2013 to complete the field exam. Mr. Haye has developed a small on-stream impoundment measuring approximately 10' wide x 240' long with a maximum depth of 3'. The point of diversion is a small check dam with a 30" wide x 40" high opening that Mr. Haye places check boards across to impound water by backing the water up the stream. The unnamed coulee is filled from three separate drains that seep into the coulee. There was some active seepage from the drains downstream of the impoundment on the date of the exam, but according to Mr. Haye, once irrigation season starts the coulee is filled to capacity. Mr. Haye indicated that he uses the impoundment as a fishing pond for his grandchildren. He also stated that he screens the coulee at the check dam and then releases fish into the pond.

The application for permit indicated that Mr. Haye intended to develop a fish pond on the main channel with a capacity of 0.07 af. It also requested 4.0 cfs for "fish". When the application was permitted the use was listed as fish propagation, with a flow rate of 4.0 cfs, but a condition placed on the permit stated: "Fish propagation under this permit shall be for non-commercial, recreational purposes. The fish propagation pond or raceway authorized under this right shall not exceed 22' x 112' in surface area." Under currently recognized beneficial uses, this is recreational storage and not fish propagation and should be licensed with a volume and not a flow rate as it is an on-stream impoundment. This can be accomplished without potential for enlargement because changing it from a flow rate to a volume reduces the volume of water licensed for this storage system. Licensing this permit at the requested flow rate of 4.0 cfs would have provided a yearly volume of 1816.9 AFA. Licensing the pond with a storage volume instead of a flow rate provides for storage in the pond and evaporative losses which was determined to be approximately 0.3 AFA.

Licensing of this permit was discussed with staff and it was decided, with the permission of the Water Rights Section Manager, that it could be licensed as recreational storage with a volume component without processing a licensing amendment because the permittee had developed what he had applied for and the condition on the permit stated it was for recreational use.

Precipitation deficit data from the University of Idaho ET website indicates a mean of 679 mm (2.2 AF) per acre for shallow systems in the Twin Falls area. Based on the calculated surface area of 0.056 acres, this indicates that approximately 0.12 AF could potentially evaporate from the reservoir each year. Condition 220 will be placed on the license to limit the storage capacity; surface area and volume of this impoundment. The condition limits surface area to 0.06 acres which is in keeping with the condition from the permit limiting surface area to 22' x 112'.

The point of diversion was described incorrectly on the permit as in the NWNENW1/4 of Sec. 33, Twp 11S, Rge. 18E, but it is actually located in the SENENW1/4. The description was changed to NENW1/4 to correct this error.

Recommend licensing 0.3 AF for 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	04/01 to 11/15	0.30 AF
<u>Totals:</u>		0.30 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

Reviewer

Date



Figure 1: View of pond looking NW towards check dam.

State of Idaho
Department of Water Resources
Attachment To Water Right License
47-8368

This map depicts the RECREATION STORAGE 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.



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

