

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-8344

Exam Date: 10/3/1997

1. Current Owner: JEFFREY WOOD (Deceased)
4377 N 1400 E
BUHL ID 83316
(208)543-4985

And

LYNDA WOOD
4377 N 1400 E
BUHL ID 83316
(208)543-4985

2. Accompanied by: Ron and Lynda Price

Address: 4377 N 1400 E

Buhl, ID 83316

Relationship to Permit Holder: Lynda Price (formerly Lynda Wood)

3. SOURCE

UNNAMED STREAM

TRIBUTARY

MUD 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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM

NE1/4SE1/4NE1/4

Sec. 23, Twp 09S, Rge 14E, B.M.

TWIN FALLS County

Method of Determination: Ron and Lynda Price confirmed location of point of diversion in Arcmap imagery at time of visit.

2.

PLACE OF USE: AESTHETIC 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>	
09S	14E	23				X													

Method of Determination: Ron and Lynda Price confirmed location of pond in Arcmap imagery at time of visit.

D. FLOW MEASUREMENTS

1. Measurements: **N/A (on-stream storage)**

E. VOLUME CALCULATIONS

1. Volume Calculations for Aesthetic Storage:

- Pond measurements: 50 ft. X 30 ft. with an average depth of 4 ft per field exam from October 23, 1997. (see attached field notes)
- Surface area of pond = 1500 sq. ft. or 0.034 acre.
- Volume capacity = Surface area X Average depth = 0.034 acre X 4 ft. = 0.14 AF
- Precipitation deficit data from the University of Idaho ET website = 807 mm per acre for small ponds.
- $(807 \text{ mm / annum})(25.4 \text{ mm/inch})(12 \text{ inch/ft.}) = 2.6 \text{ ft./annum} \times 0.034 \text{ ac.} =$
0.09 AF/ac. evaporative loss

0.09 AF evaporative losses + 0.14 AF volume capacity = 0.23 AF or 0.3 AF.

F. NARRATIVE/REMARKS/COMMENTS

Application for permit 47-8344 was filed on August 19, 1993 for 1.0 cfs from springs tributary to Mud Creek for aesthetic uses associated with a pond. Permit 47-8344 was approved on December 28, 1993 and proof was filed on November 8, 1995.

On January 7, 2014 customers Ron and Lynda Price inquired about the water rights appurtenant to their property. Permit 47-4833 in the name of Wood (deceased) was discovered during the review. Originally the field exam was conducted by Georgia Saterlee in 1997 and I used her notes and calculations to complete this exam report. There is nothing in backfile to indicate why licensing was not completed after Georgia's 1997 exam.

During their visit, Lynda Price (formerly Lynda Wood) and I were able to confirm where the original pond was developed through 2011 aerial imagery. Mrs. Price confirmed a small pond had been constructed across an unnamed stream to create an on-stream pond for stockwater and aesthetic use. After discussion with State Office, it is recommended to drop the flow rate and change the use to aesthetic storage with a volume component for the on-stream pond. It is also recommended that the source be licensed as an unnamed stream tributary to Mud Creek rather than the permitted "springs tributary to Mud Creek". Since the pond was developed as described on the application for permit the change in source can be viewed as a more accurate description rather than a physical change from the permitted source.

As indicated in the volume calculations above, the pond's capacity is estimated at approximately 0.14 AF. Precipitation deficit data from the University of Idaho ET website indicates a mean of 807 mm (2.6 AF) per acre for small ponds in the Buhl area. Based on the calculated surface area of 0.034 acres, this indicates that approximately 0.09 AF could potentially evaporate from the pond each year. Combining 0.14 AF storage and 0.09 AF for evaporative losses yields a volume of 0.3 AFA.

Recommend licensing 47-4833 for aesthetic storage with a volume of 0.3 AFA.

Note after licensing the Price's will file a Notice of Change of Ownership for water right 47-4833.

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>	<u>ANNUAL VOLUME</u>
AESTHETIC STORAGE	01/01 to 12/31	N/A	0.30 AF
<u>Totals:</u>		N/A	0.30 AF

2. Recommended Amendments

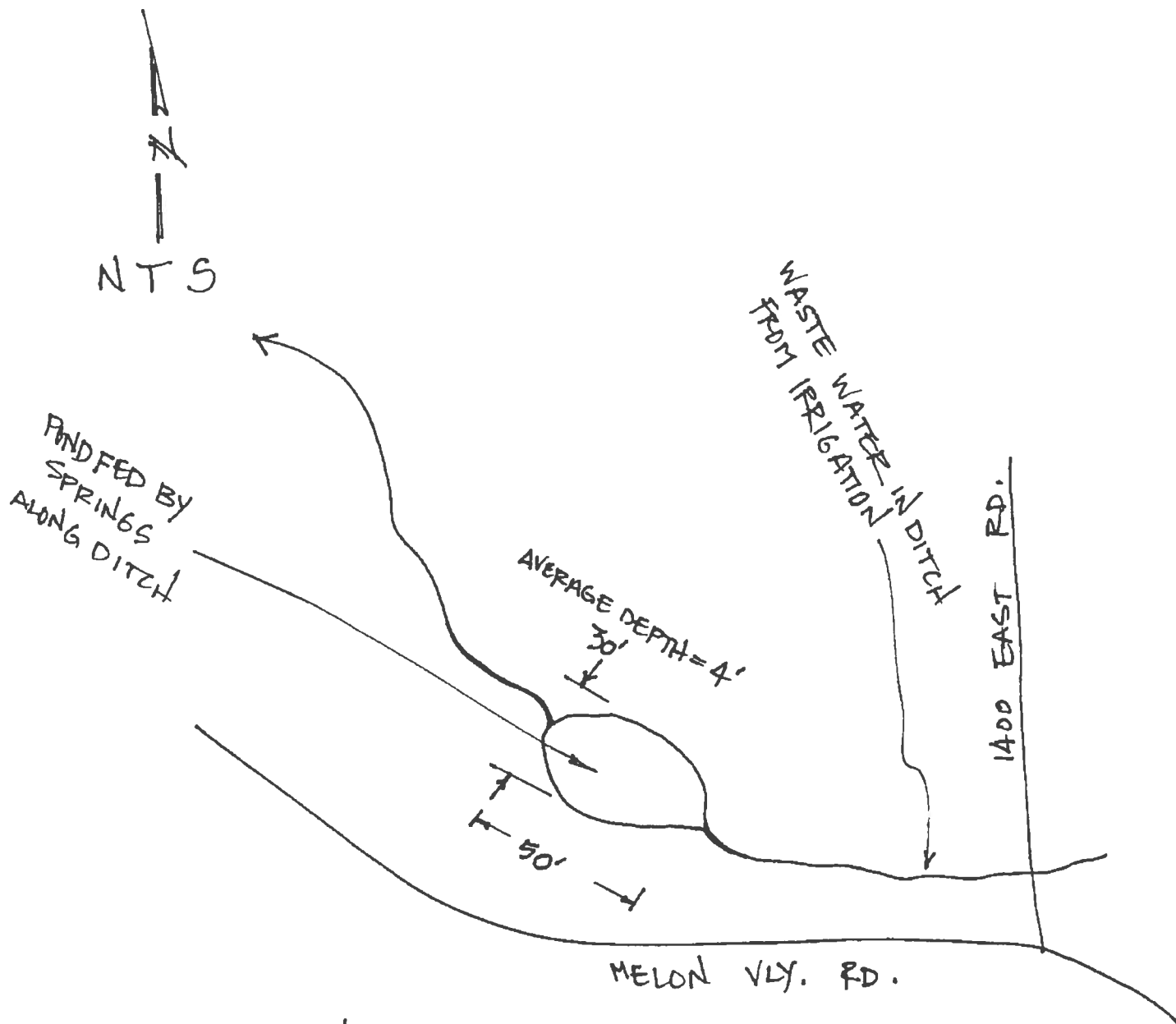
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Greg Leeder Date 3/25/14

Reviewer [Signature] Date 3/25/14



$$\text{POND} = (50)(30)(4) = \frac{6000}{43,560} = 0.14 \text{ af}$$

$$807/25.4/12 = 2.6 \text{ AF} \times 0.034 \text{ AC} = 0.09 \text{ AC}$$

$$0.09 \text{ evap loss} + 0.14 \text{ vol. cap.} = 0.23 \text{ AF}$$

↑ 0.3 AF

WOOD, JEFFREY & LYNDIA
23 Oct 97

47-08344

State of Idaho
Department of Water Resources

Permit To Appropriate Water

*similar to
green
pond*

NO. 47-08344

Proposed Priority: August 19, 1993

Maximum Diversion Rate:

1.00 CFS

This is to certify, that JEFFREY WOOD
LYNDA WOOD
416 13TH AVE N
BUHL ID 83316

has applied for a permit to appropriate water from:

~~SPRINGS~~
Unnamed Stream

tributary of MUD CREEK

** Craig
Saxton
re-describe
Source
yes.*

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
AESTHETIC <i>storage</i>	01/01 to 12/31	<i>none</i> ~~1.00 CFS~~ <i>0.26 cfs</i> <i>vol</i>
<u>LOCATION OF POINT(S) OF DIVERSION:</u>		NESENE , Sec. 23, Township 09S, Range 14E TWIN FALLS County
<i>Change/move DOD?</i> <i>No</i>		
<u>PLACE OF USE:</u> AESTHETIC		
<u>TWN RGE SEC</u>		
09S 14E 23	SENE	

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 1996.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

28TH day of DECEMBER, 1993.

R. Keith Higginson
R. Keith Higginson, Director

PRODUCED

JAN 12 1994

State of Idaho
Department of Water Resources
Attachment To Water Right License
47-8344

This map depicts the AESTHETIC 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.

14E



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

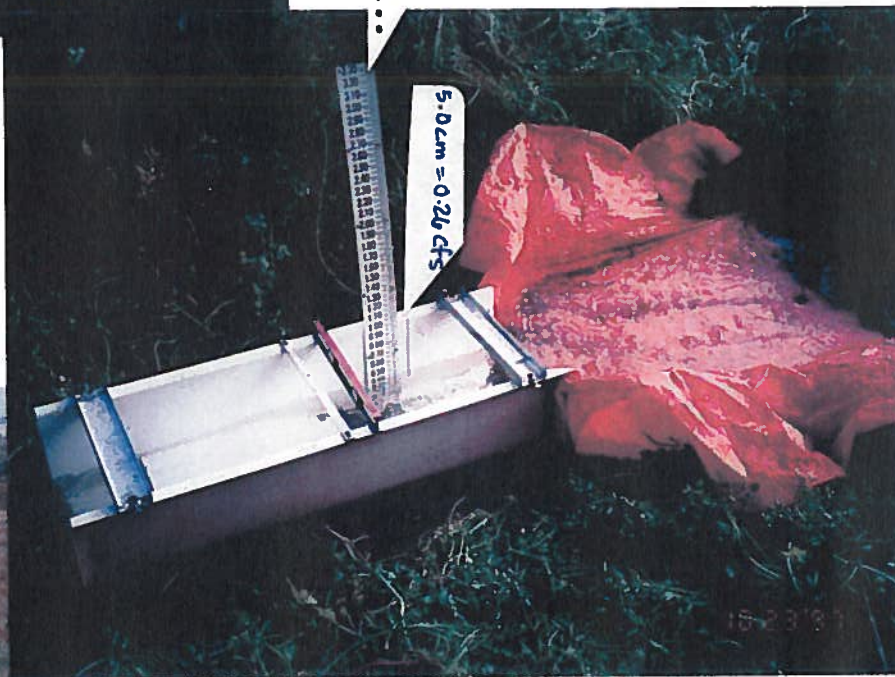
0 0.0075 0.015 0.03 Miles





photo looking N'ly

staff gage measurement not used...



Sec 23, T09S, R14E SENE



photo looking W'ly, pond approximately 300' downstream

Wood, Jeffrey and Lynda 23 Oct 1997
1000 hrs. Examiner:Satterlee

47-08344