

BENEFICIAL USE FIELD EXAM CHECKLIST

Permit # 67-14979

EXAM FILE PREP

- ☒ Copy of original application for permit
- ☒ Copy of permit approval & proof report
- ☒ Copy of Proof of Beneficial Use
- ☒ NONE Copies of any Amendments/Assignments/Ownership Docs
- ☒ Exam Fee Required \$ 50.00 Exam Fee Paid \$ 50.00
- ☒ P/D Overlap Summary NONE
- ☒ P/U Overlap Summary NONE
- ☒ Other permits, same owner, need exam - 67-7869 PERMIT EXAM DONE 8/28/97 TO STATE OFFICE 12/1/99
- ☒ Aerial Photo
- ☒ Topo map
- ☒ BLM Gov't Lot (Section)
- ☒ Blank field report
- ☒ N/A Well Inspection form
- ☒ N/A Well log

ADDITIONAL INFORMATION/REMARKS/NOTES _____

PRE-LICENSING

(initial & date)

Fully completed & signed field report form

dg 11/10/2014

Draft license & shape done in Workflow

dg 11/7/2014

Exam-date data entered

dg 10/16/2014

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 67-14979

Exam Date: 10/2/2014

1. Current Owner: CITY OF WEISER
55 W IDAHO ST
WEISER ID 83672
(208) 414-1965
2. Accompanied by: David Tate
Phone No: Same
Address: Same
Relationship to Permit Holder: City Clerk, City of Weiser
3. SOURCE TRIBUTARY
GROUND WATER WEISER 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:

GROUND WATER L1 (SE1/4SW1/4) Sec. 32, Twp 11N, Rge 05W, B.M.
WASHINGTON County

Method of Determination: Aerial photography with field verification.

2. PLACE OF USE: RECREATION 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	
11N	05W	32												X					
														L 1					

Method of Determination: Aerial photography with field verification.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. – No delivery system applicable. See Map and Plans attached for details.
- ☒ 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

4. Well or Diversion

ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Pond	N/A-Excavated pond fills with shallow ground water adjacent to Weiser River				

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

D. FLOW MEASUREMENTS1. **Measurement Equipment**

<u>Equipment</u>	<u>Type</u>	<u>Make/Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
No physical measurement @ exam	N/A	N/A	N/A	N/A	N/A

See Flow Calculations Section below for volume calculations relative to storage use.

2. Measurements: None taken. Excavated pond next to Weiser River fills with shallow ground water. No measureable diversion(s). Detailed plans describing pond dimensions including capacity estimation provided by owner at exam. Owner indicated these plans are the "as-built" plans despite references to "Estimated Excavation". Used to calculate volume below.

E. FLOW CALCULATIONS – N/A N/A Additional Computation Sheets Attached

Measured Method: No flow rate to be determined/recommended.

F. VOLUME CALCULATIONS

1. Volume Calculations for Recreational Storage:

Capacity based on plans provided by owner at exam (see attached) and estimate based on shape & surface area information:

"As-Built" Plan Pond Capacity: $15,324 \text{ yd}^3 (3 \text{ ft/1 yd})^3 (1 \text{ AF}/43,560 \text{ ft}^3) = 9.5 \text{ AF}$

Shape & Surface Area Est. Pond Capacity:

Pond Center General Shape = V-Shaped = $\text{SA} \times \text{Depth} \times 0.4 = 0.2 \text{ AC} \times 12 \text{ ft} \times 0.4 = 1.0 \text{ AF}$

Pond North & South = V-Shaped w/ flat bottom $\frac{1}{2}$ slope sides = $\text{SA} \times \text{Depth} \times \frac{2}{3}$ (based on interpretation of cross section) = $1.1 \text{ AC} \times 15 \text{ ft} \times \frac{2}{3} = 11.0 \text{ AF}$

$1.0 \text{ AF} + 11.0 \text{ AF} = 12.0 \text{ AF}$

Evaporative Losses Estimate (based on surface area $\times$ consumptive use standard) = $1.3 \text{ AC} \times 3.5 \text{ AF/AC} = 4.6 \text{ AF}$

Calculated "As-Built" Pond Capacity Volume + Evaporative Losses Estimate = Total Volume = $9.5 \text{ AF} + 4.6 \text{ AF} = 14.1 \text{ AF}$

Permitted Volume = **18.0 AF**

Proof of Beneficial Use fee paid = \$50.00 = up to **20 AF**

Recommend Calculated Total Volume = 14.1 AF

G. NARRATIVE/REMARKS/COMMENTS**SYSTEM DESCRIPTION:**

System consists of one excavated pond adjacent to the Weiser River that fills with shallow ground water. Detailed plans attached show pond dimensions. The pond was constructed according to the attached plans per the City of Weiser City Clerk. In addition to the excavated pond, the permit holder developed a small water feature/creek that circulates water within the pond. Pond's center used for P/D shape in ArcMap per Western Region standard. The excavated pond, as well as the small stream water feature, is depicted as the P/U for this right in ArcMap. The pond is stocked with fish multiply times a year for community fishing.

OVERLAP:

There are no other water rights for recreational storage associated with this right's P/D or P/U.

COMPLIANCE WITH PERMIT CONDITIONS:

Permit conditioned the pond capacity shall not exceed 12 AF and 6 AF authorized annually for evaporative losses. The pond capacity is 9.5 AF and the evaporative losses are 4.6 AF, per calculations above, within the constraints of this permit condition. To the best of my knowledge, owner has complied with all other permit conditions.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION STORAGE	01/01 to 12/31	N/A	14.1 AF
<u>Totals:</u>			14.1 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 Angeli M. Quinn Date 11/10/2014
Reviewer _____ Date _____

STATE <u>Idaho</u>		PROJECT <u>Weiser Community Pond</u>		
BY <u>RH</u>	DATE <u>8/08</u>	CHECKED BY	DATE	JOB NO.
SUBJECT <u>Estimated Excavation</u>				SHEET <u>1</u> OF <u>1</u>

North Section

100' x 145' x 15' with 2:1 sides

Top size = 100' x 145'
Btm size = 40' x 85'
Depth = 15'

Estimated Excavation Volume (Use midpoint w/ vertical sides)

$$V = \frac{(70')(115')(15')}{27 \text{ ft}^3/\text{yd}^3} = 4472 \text{ yd}^3$$

Center Section (Connecting Area)

200' x 45' x 10' with 2:1 sides

Top size = 200' x 45'
Btm size = 200' x 5'
Depth = 10'

(Note: Top & btm length are the same as they do not have slopes on the ends.)

Estimated Excavation Volume

$$V = \frac{(200')(25')(10')}{27 \text{ ft}^3/\text{yd}^3} = 1852 \text{ yd}^3$$

South Section

300' x 90' x 15' with 2:1 sides

Top size = 300' x 90'
Btm size = 240' x 30'
Depth = 15'

Estimated Excavation Volume

$$V = \frac{(270')(60')(15')}{27 \text{ ft}^3/\text{yd}^3} = 9000 \text{ yd}^3$$

Total

4472
1852
9000
15,324 yd³



0.4 Acres

0.2 Acres

0.7 Acres

State of Idaho
Department of Water Resources

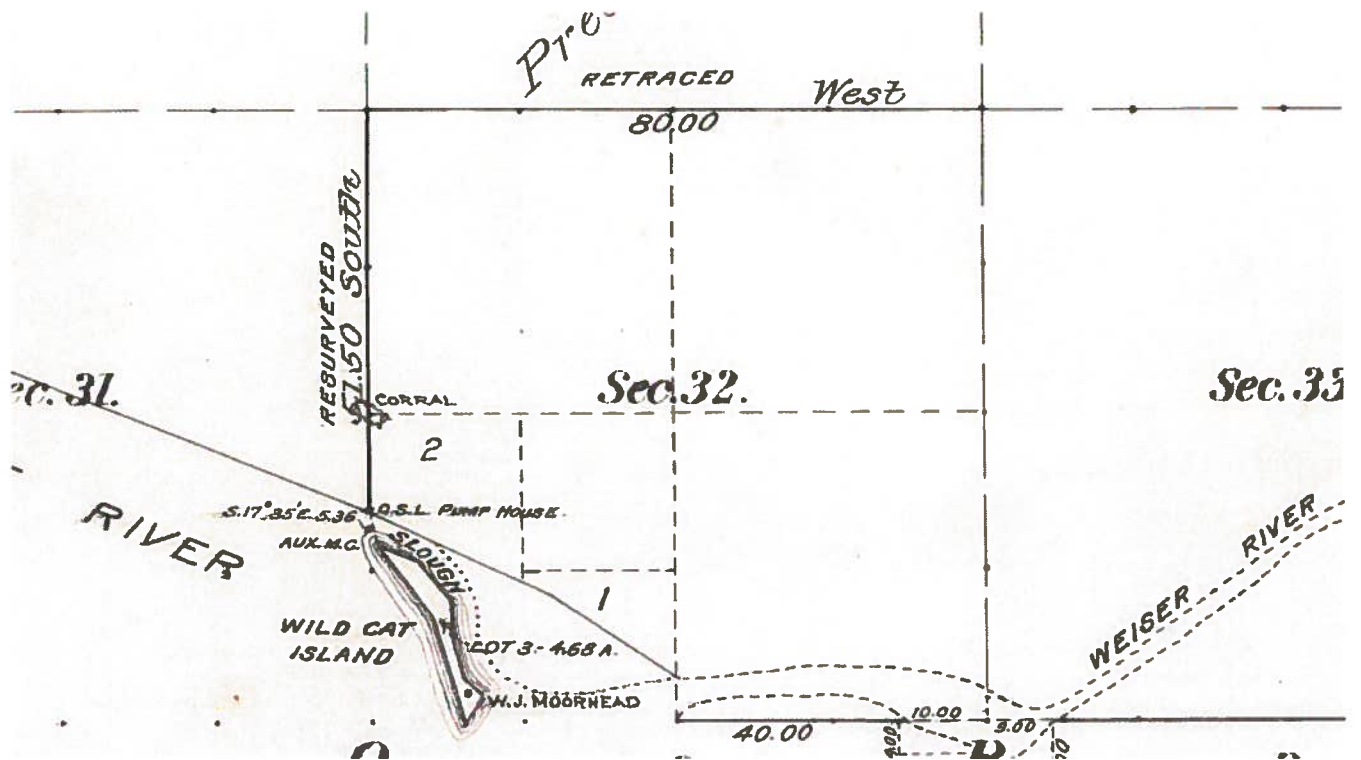
67-14979 Beneficial Use Field Report Map



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

0 0.015 0.03 0.06 Miles





T11N R5W SECT. 32

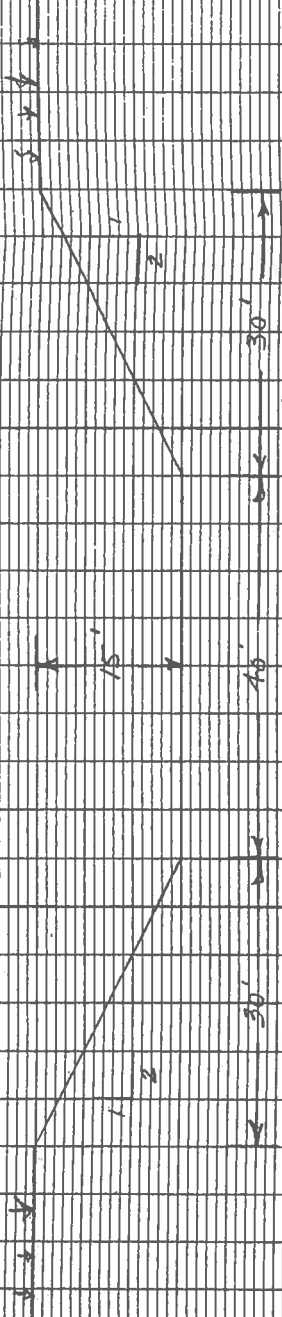
67-14979 Beneficial Use Field Report Photos



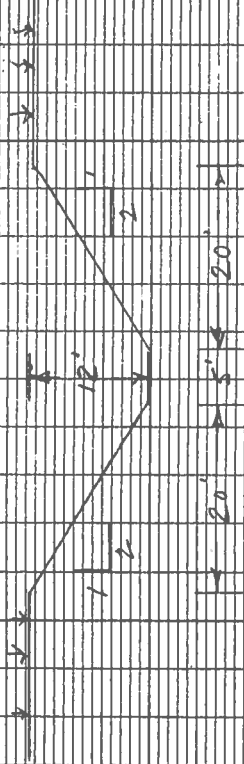
67-14979 Exam 10/2/2014: Central and northern portion of pond from facing south.



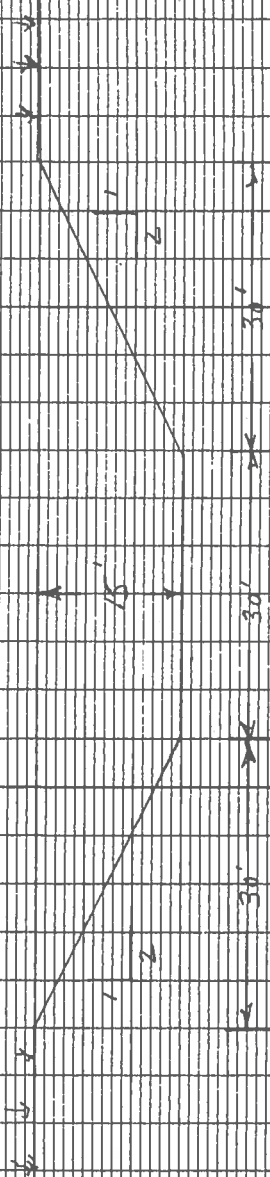
67-14979 Exam 10/2/2014: Water feature used to circulate pond water facing east. Pond in photo background.



North Section



Center Section



South Section

Note: 1. Cross sections are typical to show bottom width and side slopes. Actual cross sections will vary.
2. Estimated total excavated volume is 15,324 yd.

Scale 1" = 20'

Weiser Community Pond
Typical Cross Sections

Wash. Co Weiser River SCD

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed by R. Hodeler	Date 8/08	Approved by Title
Drawn by "	"	"
Traced by "	"	"
Checked by "	"	"
Sheet No. 1	Drawing No. 1	of 1

Grimm, Angie

From: Candice McHugh [cmchugh@mchughbromley.com]
Sent: Friday, September 26, 2014 12:23 PM
To: Grimm, Angie
Subject: FW: Field Exam for Licensing the Pond

Angie,

David Tate the City Clerk is expecting you next week. Please see below.

If you have any questions, David's phone number is (208) 414-1965.

Have a great weekend!

Candice M. McHugh

MCHUGH BROMLEY
380 S. 4th, Ste. 103
Boise, ID 83702
(208) 287-0991 – office
(208) 287-0864 – facsimile
cmchugh@mchughbromley.com
<http://www.mchughbromley.com>

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From: David Tate [<mailto:weiser@ruralnetwork.net>]
Sent: Friday, September 26, 2014 9:13 AM
To: Candice McHugh
Subject: Re: Field Exam for Licensing the Pond

Good Morning,

I have have the time and date scheduled to meet Angie at City Hall. If you have any questions please feel free to contact me.

Thank you,

David

From: [Candice McHugh](#)
Sent: Friday, September 26, 2014 9:03 AM
To: '[Grimm, Angie](#)' ; '[David Tate](#)'

Subject: RE: Field Exam for Licensing the Pond

Angie,

Thanks Angie. Does 8:30 October 2 still work for you to conduct this field exam in Weiser?

Thanks

Candice

From: Grimm, Angie [<mailto:Angie.Grimm@idwr.idaho.gov>]

Sent: Friday, September 26, 2014 9:02 AM

To: Candice McHugh; 'David Tate'

Subject: RE: Field Exam for Licensing the Pond

Candice,

I received your original email proposing the date, but I did not receive an email from David confirming...

Angie

Angela M. Grimm, P.G.
Water Resources Agent, Sr.
IDWR - Western Region
2735 Airport Way
Boise, ID 83705-5082
(208) 334-2190 phone
(208) 334-2348 fax

From: Candice McHugh [<mailto:cmchugh@mchughbromley.com>]

Sent: Friday, September 26, 2014 9:00 AM

To: 'David Tate'

Cc: Grimm, Angie

Subject: RE: Field Exam for Licensing the Pond

Angie,

Did you and David confirm the October 2, 2014 date?

I recall that David sent me an email, but wanted to make sure the two of you had also coordinated.

Thanks

Candice M. McHugh

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From: Candice McHugh [<mailto:cmchugh@mchughbromley.com>]
Sent: Monday, September 22, 2014 12:36 PM
To: 'David Tate'
Cc: 'Chris Bromley'; angie.grimm@idwr.idaho.gov
Subject: Field Exam for Licensing the Pond

David,

Angie Grimm from IDWR said she could meet someone from the City at 8:30 a.m. on October 2, 2014, to do the licensing field exam for the recreation pond. I'm ccing Ms. Grimm so you have her email and can respond to her directly to coordinate that effort.

Thanks

Candice M. McHugh

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