

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-07790

Exam Date: 8/12/2016

1. Current Owner:

TINA K YOUNG 541 E ROUND LAKE RD SAINT MARIES ID 83861 (208) 245-1261

Or

RUSTIN L YOUNG 541 ROUND LAKE RD SAINT MARIES ID 83861 (208) 245-1261

2. Accompanied by: Rustin Young

3. **SOURCE:**

SPRING

TRIBUTARY:

COEUR D ALENE LAKE

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:**

SPRING SW¼NE¼SW¼ Sec. 22, Twp 47N, Rge 03W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD located near 47° 24.246, 116° 42.510

2.

PLACE OF USE: FIRE PROTECTION 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	
47N	03W	22									X								

PLACE OF USE: WILDLIFE 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	
47N	03W	22									X								

Method of Determination: GPS

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**F. VOLUME CALCULATIONS**

2. Volume Calculations for Other Uses: SEE ATTACHED POND ANALYSIS SHEET

G. NARRATIVE/REMARKS/COMMENTS

Field exam with applicant showed a pond with a spring as the source. Applicant had built pond on the spring and excavated down to an average depth of 12 feet. Pond did not have much of a dam and seemed to maintain a full pool without overflowing. The pond was 40 foot by 20 foot with average depth of 12 feet. Pond will not show up on aerial maps because it was constructed in October of 2015 prior to proof being submitted. License will be issued for 0.3 acre feet for fire protection storage and wildlife storage. During licensing review it was found that the tributary must be a local name because it does not show up on USGS quad maps as an unnamed stream. License will be correct to show spring tributary to Coeur d Alene Lake.

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>
WILDLIFE STORAGE	01/01 to 12/31		0.3 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		0.3 AF
<u>Totals:</u>			0.30 AF

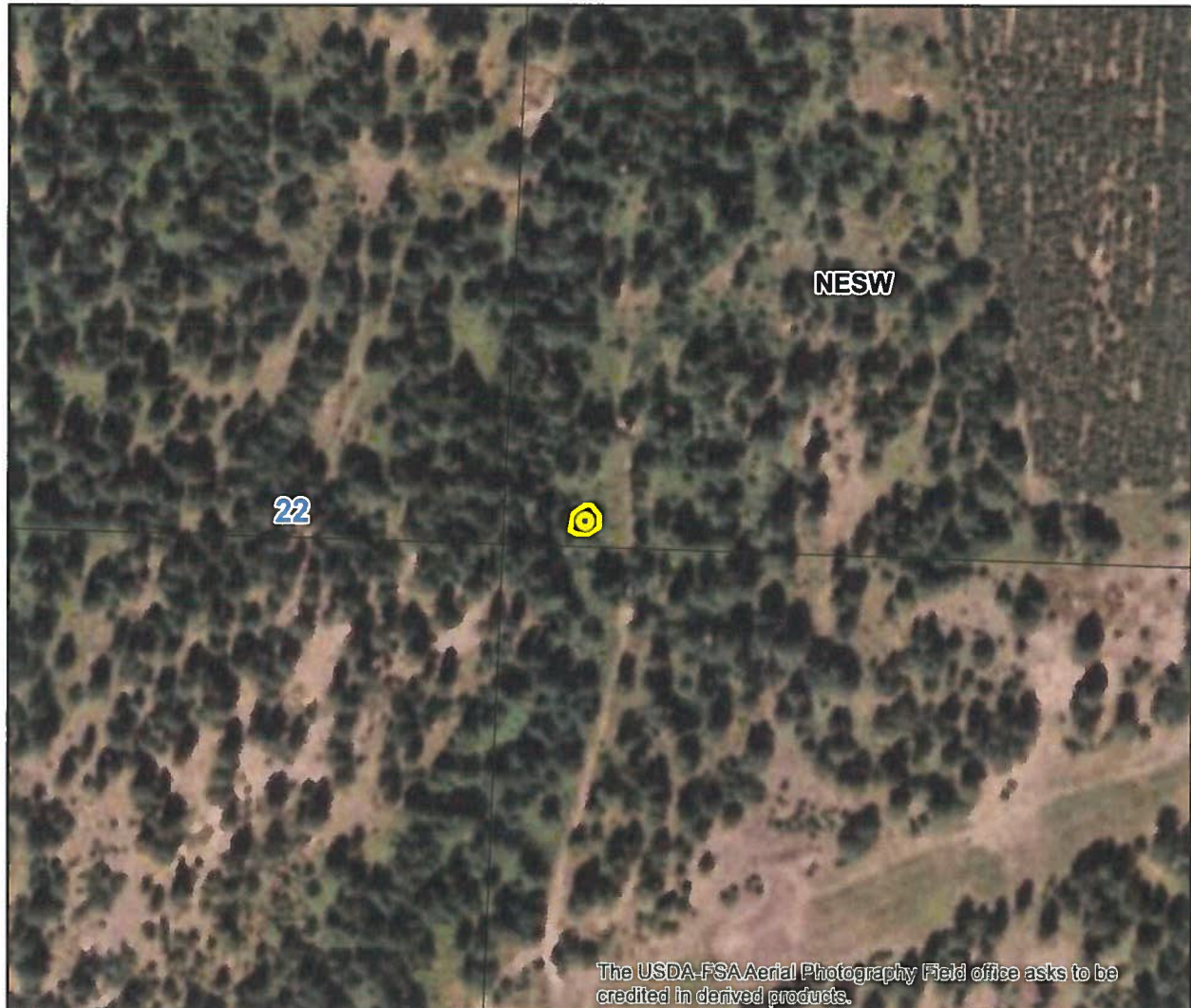
2. Recommended Amendments☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None**I. AUTHENTICATION**Field Examiner's Name Brian Fink Date 3-14-17Reviewer Morgan Case Date 3/24/17

State of Idaho
Department of Water Resources
Attachment to Field Exam
94-7790

FIRE PROTECTION STORAGE and WILDLIFE STORAGE

03W

47N



0 0.025 0.05 0.1 Miles

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

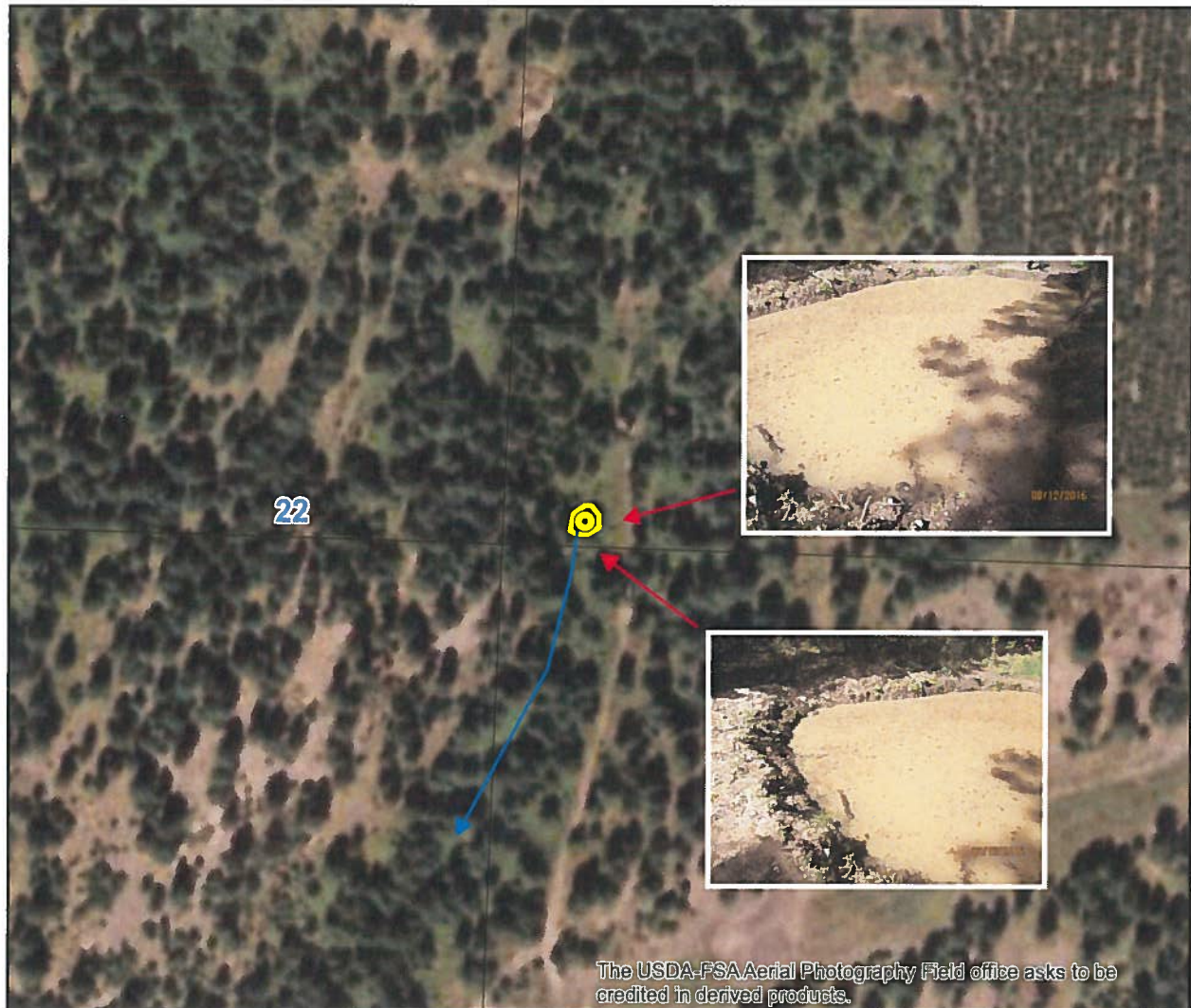


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SYSTEM DIAGRAM

03W

47N



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

0 0.025 0.05 0.1 Miles



Total Storage Calculations

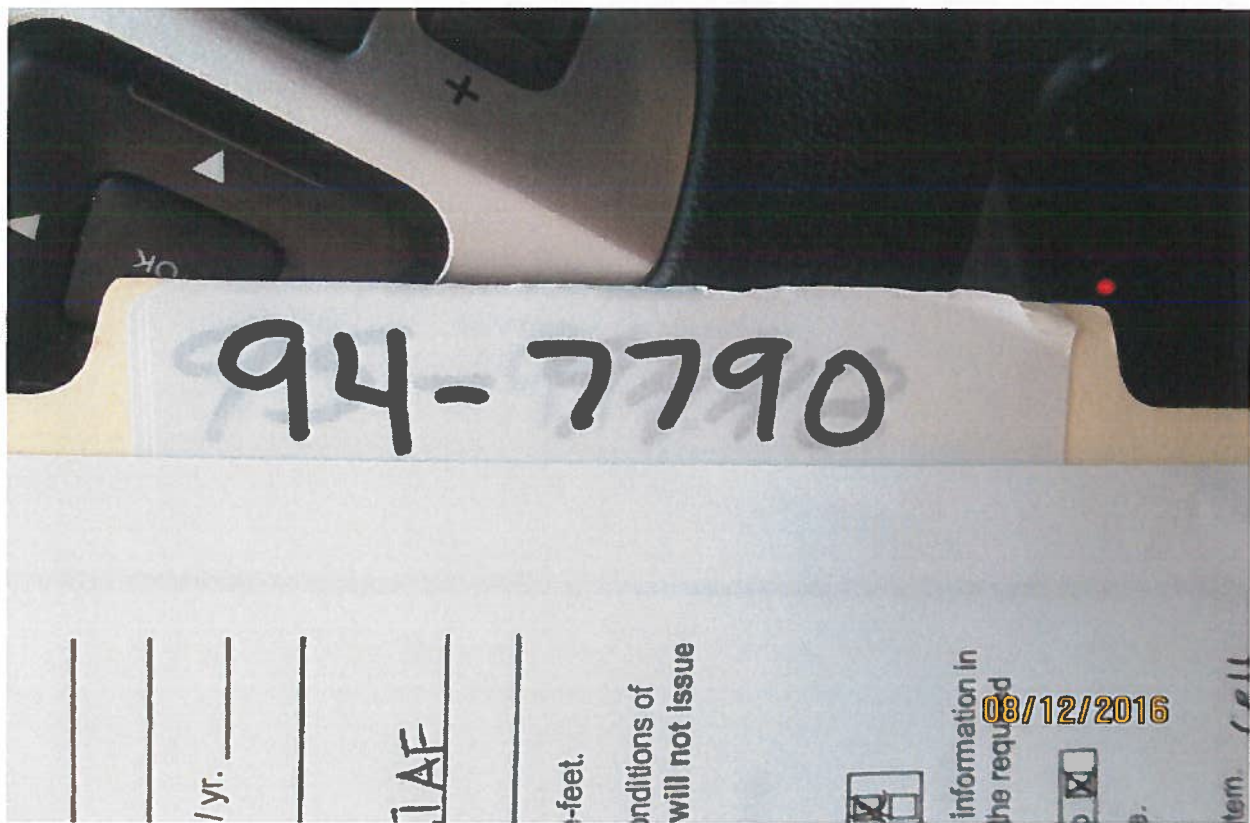
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REVIEWER	Adam Frederick
DATE	3/1/2017

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	0.02	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	12	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	0.2	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.

Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	0.0	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.0	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	0.3	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.



Applicant had excavated where spring was located.



No real sign of dam, pond didn't appear to overflow at all.

