

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17384

Exam Date: 08/07/2023 & 4/30/2024

1. Current Owner:

DAVID P BOBBITT 7199 W COUGAR GULCH RD COEUR D ALENE ID 83814-8981 AND/OR
CHERIE J BOBBITT 7199 W COUGAR GULCH RD COEUR D ALENE ID 83814

2. Accompanied by: I received permission from David Bobbitt to both field exams. Luke Bates attended both exams.
Phone No: (208) 660-8611

3. **SOURCE:**

UNNAMED STREAM

Tributary

COUGAR CREEK

Method of Determination: ArcMap and DRG. GPS Locator -116 52.3196, 47 39.0509

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-4048	SPRING	DOMESTIC	STATUTORY CLAIM
95-14638	GROUNDWATER	STOCKWATER	DECREEED

Comments: There is a statutory claim in the system for water right #95-4048 but there was no claim filed in the CRSBA. I do not have any overlap concerns with this water right. Water Right #95-14638 is for domestic and stockwater purposes from a groundwater well that is in the stable area on the property. The pond is in the pasture area. The stockwater component of 95-17348 and 95-14638 do overlap and I am adding Condition X35 to the license so that the two rights when combined do not exceed 0.02 cfs for the stockwater beneficial use. This mitigates stacking water rights related to stockwater use between the two rights.

2. Other water rights with the same point-of-diversion:

NO Overlap**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM NW¼ SW¼, Sec. 29, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: ArcMap and DRG. GPS Locator -116 52.3196, 47 39.0509

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	29										X							

PLACE OF USE: STOCKWATER STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	29										X							

PLACE OF USE: AESTHETIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	29										X							

PLACE OF USE: AESTHETIC STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	29										X							

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

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
5 GALLON BUCKET						

2. Measurements: Field Exam was completed in August 2023 and there was evidence of water flowing. I returned in April of 2024 and was able to do a 5 gallon bucket test. Three 5-gallon bucket tests were completed from the point of diversion pipe in the unnamed stream, with an average diversion rate of 44.03 gpm = **0.1 cfs**, considering department rounding standards.

E. FLOW CALCULATIONS

Measured Method:

Measured Method: 5-GAL Bucket Test = (5 gal / 6.85 sec) x 60 sec/min = 43.78 gpm
 = (5 gal / 6.78 sec) x 60 sec/min = 44.25 gpm
 = (5 gal / 6.81 sec) x 60 sec/min = 44.05 gpm

Average of 3ea 5-GAL Bucket Tests = (43.78 gpm + 44.25 gpm + 44.05) / 3 = **44.03 gpm = 0.1 cfs considering department rounding standards.**

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses: Stockwater annual volume = 3 horses x 12 gpd x 365 days = 13,140 gal annually / 325,850 gal per af = **0.1 af** considering department rounding standards.

G. NARRATIVE/REMARKS/COMMENTS

I received permission from the applicant to perform the beneficial use field exam on August 7, 2023. At the POD, there was no water flowing and the trench that flows through the property to fill the pond was also dry. The water in the pond was visibly low. The applicant stated that the flow begins to slow down around July 4th each year. I returned on April 30, 2024, with the applicant's permission, and performed three 5-gallon bucket test measurements from the diversion pipe resulting in an average diversion rate of 44.03 gpm = **0.1 cfs**, considering department rounding standards, which is recommended for licensing purposes as the maximum diversion rate.

During the first exam, there were horses on the property and the aesthetic feature that was flowing. The uses were confirmed during both field exams. The pond size is confirmed as 0.17 acres and the applicant states it is 12 ft deep at the deepest point. The 3 horses drink directly from the pond and I rounded the amount up to 0.1 AFA as the actual amount was 0.04 AFA but if I rounded to the closest tenth it would be 0.0 AFA. The aesthetic use is pumped up through the water feature and then right back into the pond so there is very little evaporation.

Condition 26A was removed from the permit during licensing review. All other conditions on the permit were carried forward to licensing. I have added Condition X35 to address the overlap concerns for stock water from the well and the pond. It states; rights 95-14638 and 95-17384 stockwater use(s) when combined shall not exceed a total diversion rate of 0.02 cfs.

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>Rate of Diversion</u>	<u>Annual Volume</u>
STOCKWATER	01/01 to 12/31	0.02 CFS	
STOCKWATER STORAGE	01/01 to 12/31		1.6 AF
AESTHETIC	01/01 to 12/31	0.10 CFS	
AESTHETIC STORAGE	01/01 to 12/31		1.6 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.10 CFS	

Totals: 0.10 CFS 1.6 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION Tammy Alleman – Water Resource Agent

Field Examiner's Name Tammy Alle Date 6/5/2024

Reviewer Chau Bell Date 2/21/25

Total Storage Calculations

FILE NUMBER	95-17384
REVIEWER	Tammy Alleman
DATE	5/1/2024

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.)	0.17	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	5	"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)	0.9	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)	0.1	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)	0.2	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.4	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	1.6	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.

95-17384



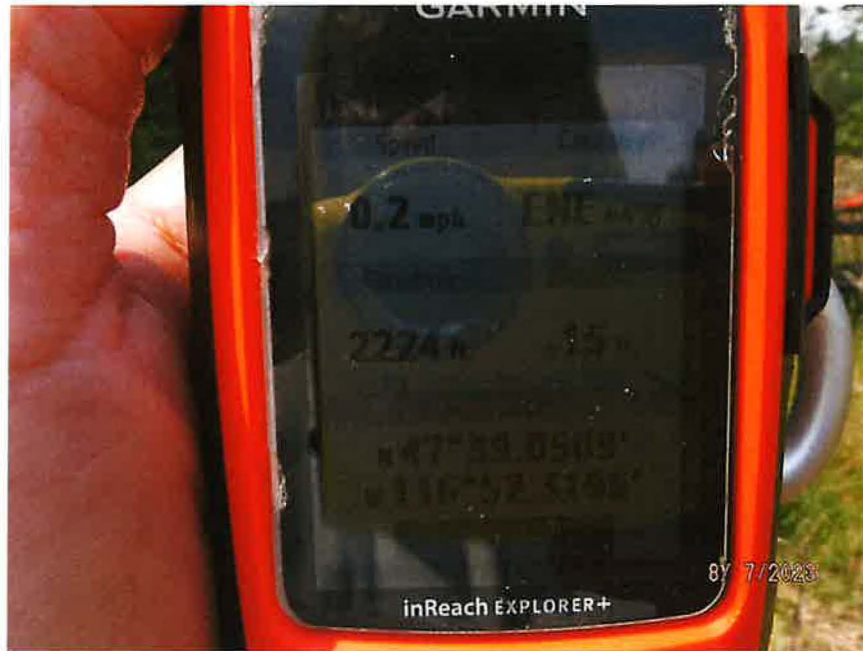
POD & POOLING AREA ON APRIL 30, 2024





POD & POOLING AREA AUGUST 8, 2023





POD GPS COORDINATES



TRENCH ON RIGHT SIDE OF PHOTO RUNNING TO THE POND



POND IN AUGUST 2023 WITH AESTHETIC FEATURE





STABLE & ARENA WITH 3 HORSES



5 GALLON BUCKET RESULTS