

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7974
Exam Date: 08/04/2020

1. Current Owner:
HIGH POINT VENTURES OF PENSACOLA LLC 1907 HIGHWAY 1 BONNERS FERRY ID 83805-5111
2. Accompanied by: James Spori
Phone No: 208-267-0514
Address: Same as above
Relationship to permit Holder: Permit Holder Representative

3. **SOURCE:**
GROUND WATER

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
98-7970	MISSION CREEK	STOCKWATER / DOMESTIC	STATUTORY CLAIM

Comments: right 98-7970 is a statutory claim by same applicant for stockwater use from Mission Creek, and is not a concern for overlap for this Fire Protection Storage right.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER NE¼ NW¼, Sec. 17, Twp 64N, Rge 01E, B.M. BOUNDARY County

Method of Determination: GPS. POD is pond dam located at -116°21.863, 48°54.224.

PLACE OF USE: FIRE PROTECTION 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	
64N	01E	17					X												

Method of Determination: Field exam and Arcmap aerial imagery

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
NONE					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A						

2. Measurements: N/A

E. FLOW CALCULATIONS

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses:

See attached pond analysis sheet

G. NARRATIVE/REMARKS/COMMENTS

Field exam performed on 8/4/2020 with the applicant's representative, James Spori, showed a pond being used for Fire Protection Storage. The pond was influenced by groundwater from within the dam banks of the pond. There is no diversion rate applied to this water right.

The applicant was permit approved for the following beneficial use components: Irrigation Storage, Irrigation from Storage, Stockwater Storage, Stockwater from Storage, and Fire Protection Storage. During the field exam, it was identified that the applicant had not developed an irrigation system and did not withdraw water from the pond during the permits development

period for neither irrigation nor stockwater uses. As the applicant had not put the water to beneficial use for these components, the irrigation storage and from storage and stockwater storage and from storage components were removed from permit during licensing review. The permit will retain the Fire Protection component as the single beneficial use being carried forward to licensing.

The pond had a surface area of 0.1 acre, a maximum depth of 15 feet, average depth of 6 feet, a pond capacity of 0.6 af, and an estimated evaporation loss of 0.1 feet. The total volume required for this pond on an annual basis equals **0.7 af**, which will be applied as the fire protection storage annual volume, and the maximum diversion volume applied to license.

At time of licensing, the permitted POU and POD were found to be inaccurate, see below:

POD: issued on permit = 64N01E17NWNE
POD: verified at time of licensing = 64N01E17**NENW**

POU: issued on permit = 64N01E17NWNE
POU: verified at time of licensing = 64N01E17**NENW**

An Application for Amendment was initiated, and mailed with cover letter to applicant on 8/20/2020, and received back from the applicant on 9/14/2020.

Due to the removal of several beneficial use components, several conditions were removed from permit during licensing review. Condition 26A, 082, R58, and X02 were removed from permit. Conditions 219 and 220 were updated to describe current pond analysis factors found during field exam. All other conditions on permit will remain on license. Water right 98-7970 is a statutory claim by same applicant for stockwater and domestic uses from Mission Creek, and is not a concern for overlap for this Fire Protection Storage right.

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>
FIRE PROTECTION STORAGE	01/01 to 12/31	0.7 AF

Totals: 0.7 AF

2. Recommended Amendments

X 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
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I. AUTHENTICATION

Luke Bates - Water Resource Agent

Field Examiner's Name 306 Date 9/14/2020

Reviewer Adm F. [Signature] Date 9/15/2020

State of Idaho
Department of Water Resources
Attachment to Field Exam
98-7974

FIRE PROTECTION STORAGE system diagram.



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

0 0.035 0.07 0.14 Miles



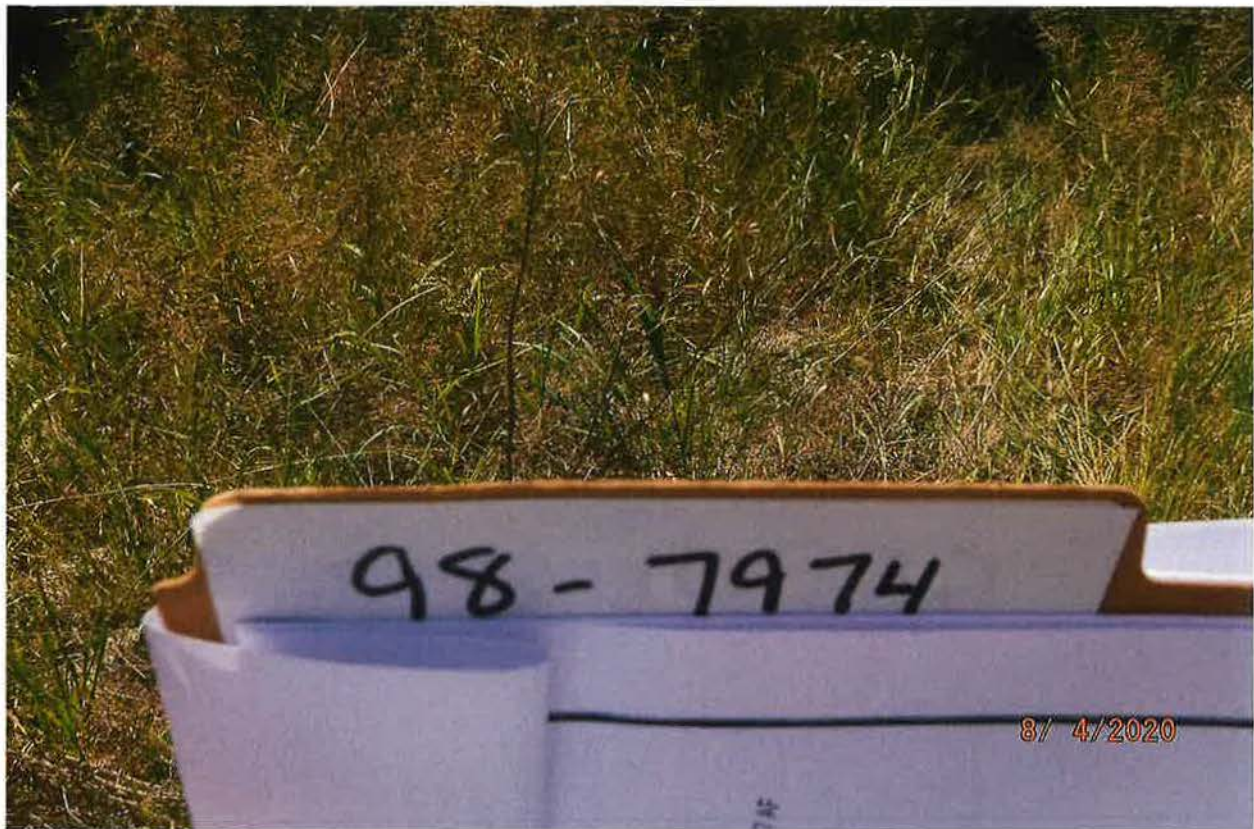
Total Storage Calculations

FILE NUMBER	98-7974
REVIEWER	Luke Bates
DATE	8/20/2020

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.)	0.1	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	6	"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)	0.6	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)	0.1	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	0.7	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.



POD – GROUNDWATER INFLUENCED POND



FIRE PROTECTION POU – SMALL POND

