

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 78-7340

Exam Date: 11/02/2023

1. Current Owner:
DASHA BELKOVA
PO BOX 88
NEW MEADOWS ID 83654-0088
2. Accompanied by: Cindy Koberstein, and Kent Aasa, IDWR Agent
Phone No: 208-890-1033
Address:
Relationship to permit Holder: Cindy, Representative and Realtor for permit holder.

3. SOURCE: SPRINGS

Tributary
LITTLE CREEK

Method of Determination: Site visit and ArcMap aerial imagery

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
78-7364	Unnamed Stream	Wildlife Storage and Recreation Storage	Permit

Comments: Two permits, 78-7340 and 78-7364, same purpose of use. Two different sources, springs and unnamed stream.

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

Water Right No.	Source	Purpose of Use	Basis
None			

Comments: None

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

SPRINGS SW¼ SW¼ NW¼, Sec. 9, Twp 18N, Rge 02E, B.M. ADAMS County

Method of Determination:

PLACE OF USE: WILDLIFE STORAGE

[illegible]

PLACE OF USE: RECREATION STORAGE

[illegible]

Method of Determination: Site visit and ArcMap aerial imagery

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

 X Aerial Photo Attached (required for irrigation of 10+ acres).

 X Photo of Diversion and System Attached

4. Well or Diversion ID No.* None

D. FLOW MEASUREMENTS. None

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method: No measurement taken.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: None

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$

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

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$

2. Volume Calculations for Other Uses: Storage uses

The pond has a surface area of 0.1 acres per ArcMap and aerial photography. The pond was constructed to an average depth of approximately 3 feet for a total capacity of 0.3 acre-feet. The University of Idaho evapotranspiration spreadsheet for open water shallow system (ponds/streams), for the New Meadows area indicates that approximately 0.6 acre-feet of water per year will evaporate off of an acre (see spreadsheet). Using this 0.6 acre-feet per acre times 0.1 acres of surface area indicates that annual evaporation loss from the pond would be about 0.06 (rounded to 0.1 acre-feet). The pond was constructed in a marshy area where a number of springs actually rise within the ponds footprint. Therefore, there is no seepage loss associated with the pond. A total volume of 0.4 acre-feet equals storage volume (0.3 acre-feet) plus annual evaporative loss (0.1 acre-feet). Permit 78-7340 allows up to 1.5 acre-feet of storage. However, the total storage is less than the permitted volume, so I recommend 0.4 acre-feet for licensing.

G. NARRATIVE/REMARKS/COMMENTS

The Beneficial Use Field Examination for permit 78-7340 was conducted on November 2, 2023. Kent Aasa IDWR Agent and I met with Cindy Koberstein the realtor for the property. The permit holder Dasha Belkova has passed away and Cindy is the representative for the family of Dasha Belkova who resides in California. Cindy guided us to the property approximately 8 miles from New Meadows.

Permit 78-7340 was approved for a total of 0.04 cfs from springs and 1.5 acre feet for Wildlife, Recreation, Wildlife storage, Recreation storage, and Diversion to storage uses. Cindy gave a tour of the property, and we walked around the pond. We observed an oblong type of shaped pond with vegetation around it. The pond is an area where springs naturally rise and flow and has been excavated to an average depth of approximately 3 feet. The overflow of water from the pond flows to the northeast end of the pond into Little Creek. Cindy explained that there used to be two ponds in this area that have since grown into one., We discovered that no diversion, system was developed. Therefore, since no diversions were developed, **I am recommending dropping Wildlife, Recreation, and Diversion to Storage at licensing.**

The pond has a surface area of 0.1 acres per ArcMap and aerial photography. The pond was constructed to an average depth of 3 feet for a total capacity of 0.3 acre-feet. The University of Idaho evapotranspiration spread sheet for open water shallow system (ponds/streams), for the New Meadows area indicates that approximately 0.6 acre-feet of water per year will evaporate off of an acre. Using this 0.6 acre-feet per acre times 0.1 acres of surface area indicates that annual evaporation loss from the pond would be about 0.06 (rounded to 0.1 acre-feet). The pond was constructed in a marshy area where a number of springs actually rise within the ponds footprint. Therefore, there should be no seepage loss associated with the pond. A total volume of 0.4 acre-feet equals storage volume (0.3 acre-feet) plus annual evaporative loss (0.1 acre-feet) for a total of 0.4 acre-feet. Permit 78-7340 allows up to 1.5 acre-feet of storage. **However, the total storage volume is less than the permitted volume, so I recommend 0.4 acre-feet for Wildlife and Recreation Storage uses at licensing.**

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>
WILDLIFE STORAGE	01/01 to 12/31	0.4 AF
RECREATION STORAGE	01/01 to 12/31	0.4 AF

Totals: 0.4 AF

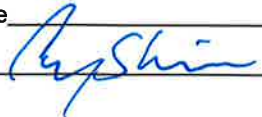
2. Recommended Amendments

☐ 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 Benny Walker -

Field Examiner's Name _____ Date _____

Reviewer  Date 2/24/2024



pond
looking
d/s
(from
east)

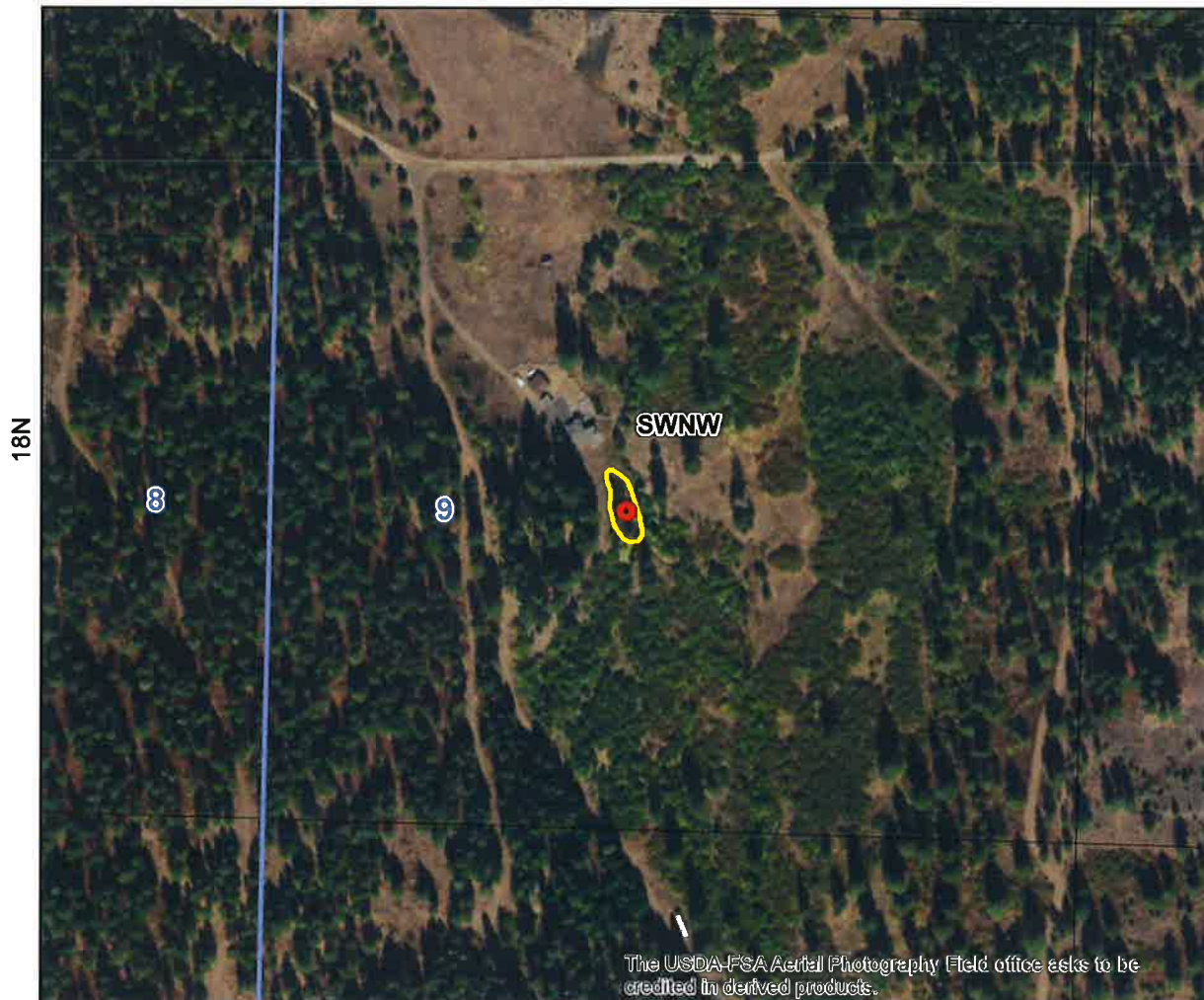
Little
Creek

Pond
overflow
to Little
Creek

State of Idaho
Department of Water Resources
Attachment to Water Right
78-7340

This map depicts the RECREATION & WILDLIFE 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.

02E



0 0.035 0.07 0.14 Miles

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





University of Idaho

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[Water Resources Program](#)

ETIdaho 2017

[Evapotranspiration and Consumptive
Irrigation Water Requirements
for Idaho](#)

Please send suggestions for improving this
site to robison at uidaho dot edu

2024-02-22 16:02

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[New Meadows RS \(NWS -- USC00106388\)](#)

Statistics based on thirty year normal spans 1984 to 2016 years

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Open water - shallow systems (ponds/streams)															
Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Mean ^j	mm/day												mm		
Monthly ^c	-1.92	-1.29	-0.87	0.47	1.36	2.02	3.86	3.52	1.94	0.25	-1.99	-2.29	159	0	159
15-Day Moving Average ^d	-1.94	-1.55	-0.89	0.45	1.47	2.12	3.92	3.44	1.95	0.28	-1.82	-2.19			
7-Day Moving Average ^e	-1.91	-1.49	-0.94	0.43	1.41	2.08	3.88	3.49	1.97	0.26	-1.92	-2.23			
3-Day Moving Average ^f	-1.91	-1.36	-0.89	0.43	1.38	2.02	3.85	3.51	1.94	0.25	-1.99	-2.29			
Standard Deviation ^k	mm/day												mm		
Monthly ^c	2.25	2.13	2.06	1.29	2.13	1.42	1.25	1.03	1.35	1.47	1.33	2.08	184	0	184