

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7365

Exam Date: 8/14/2012

1. Current Owner: DONNA M MERRIFIELD
312 CLIFTY VIEW RD
BONNERS FERRY ID 83805

And/Or

LONNIE E MERRIFIELD
312 CLIFTY VIEW RD
BONNERS FERRY ID 83805
(208)267-5028

2. Accompanied by: OWNER
Phone No: SAME
Address: SAME
Relationship to Permit Holder:

3. SOURCE

CABIN CREEK

TRIBUTARY

COW CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 98-7365, 98-7630, 98-105, 98-106, 98-107, 98-7738, 98-7842, 98-7312, 98-7365
2. Other water rights with the same point of diversion: 98-7312, 98-7365

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

CABIN CREEK NW1/4SE1/4 Sec. 8, Twp 61N, Rge 02E, B.M. BOUNDARY County

Method of Determination: GPS AND MAPS

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	02E	8	11.0	22.5	7.0														40.5

Total Acres: 40.5

PLACE OF USE: IRRIGATION 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	
61N	02E	8														X			

PLACE OF USE: IRRIGATION FROM STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
61N	02E	8	11.0	22.5	7.0														40.5

Total Acres: 40.5

DIVERSION TO STORAGE same as IRRIGATION FROM STORAGE

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.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
A0016973					

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
FUGI						3-2013

2. Measurements: 1.4 CFS

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 38.9 \text{ AC} \times 3 \text{ AF} = 116.7 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.14 \text{ CFS} \times 182 \text{ DAYS} \times 1.9835 = 50.5 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 50.5$$

2. Volume Calculations for Other Uses: IRRIGATION STORAGE 3 AF

G. NARRATIVE/REMARKS/COMMENTS: The name of the source of water on the permit and application was incorrect. The name of the source is Cabin creek that was determined by the GPS point on the USGS map.

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>
IRRIGATION	05/15 to 10/15	0.140 CFS	50.50 AF
IRRIGATION STORAGE	03/15 to 11/15		3.00 AF
IRRIGATION FROM STORAGE	05/15 to 10/15		3.00 AF
DIVERSION TO STORAGE	05/15 to 10/15	0.140 CFS	
<u>Totals:</u>		0.140 CFS	53.50 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 *Erin [Signature]* Date 11-25-2013

Reviewer *Keith R. Franklin* Date 12/31/2013



98-7365



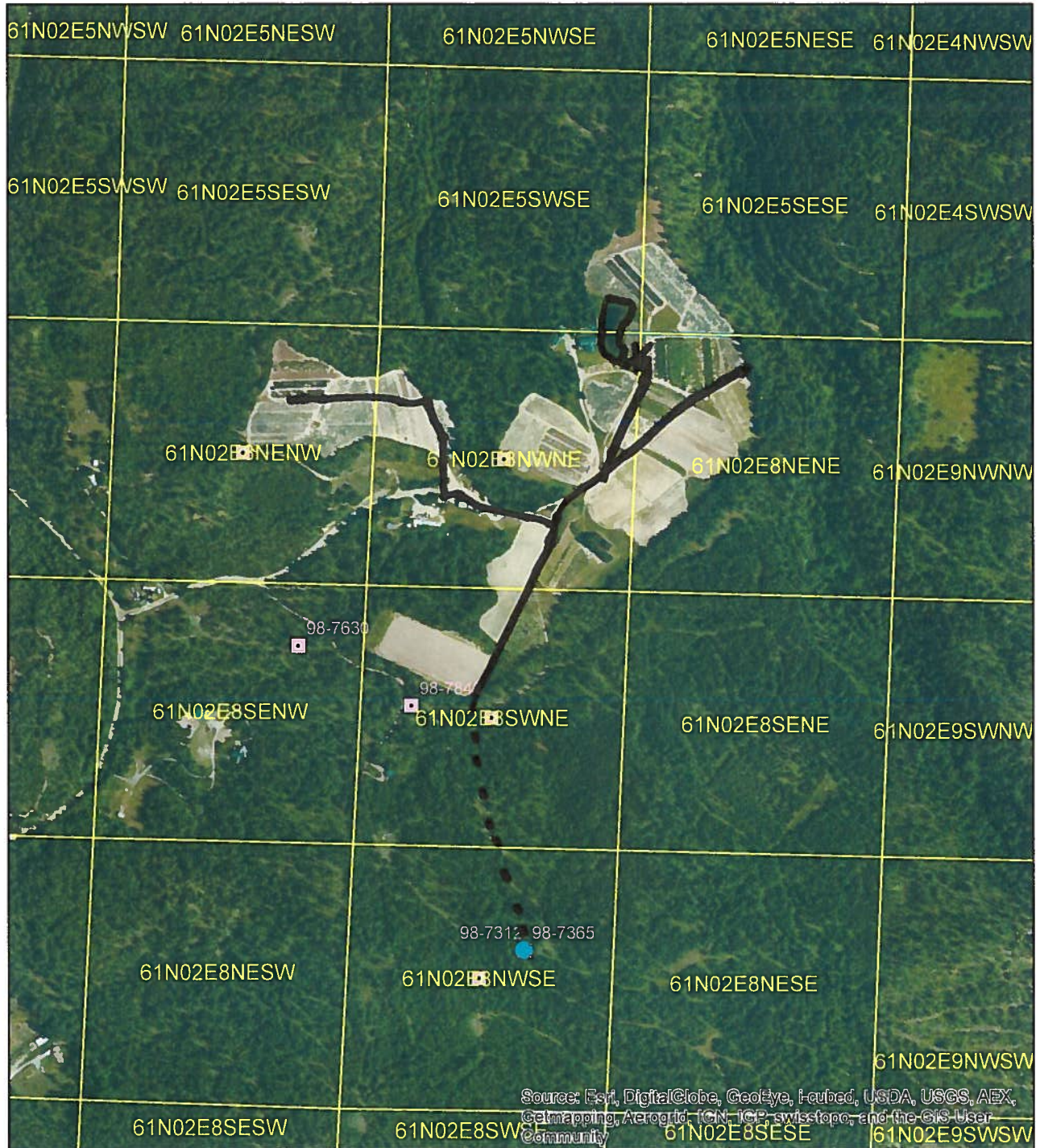


98-7365



98-7365

Pono



Buried Main line ———
Above Ground Mainline ----
2" Storage Line =x
1 inch = 775 feet

Legend



98-7365

Process	Basin Sequence	Draft	Owner	Source	POD/POU		NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	98-107	N	MERRIFIELD, DORICE L. MERRIFIELD, EARL M	UNNAMED STREAM	POU				10.0														10
Water Right	98-7082	N	GRAHAM, AUREL; GRAHAM, JOHN	SPRING	POU											3.0							3
Water Right	98-7086F	Y	CLIFTY VIEW NURSERY INC	UNNAMED STREAM	POU								12.0										12
Water Right	98-7196A	Y	CLIFTY VIEW NURSERY INC	UNNAMED STREAM	POU								12.0			2.0							14
Water Right	98-7312	Y	MERRIFIELD, CAROL L. MERRIFIELD, LONNIE	CABIN CREEK	POU		11.0	22.5															33.5
Water Right	98-7365	Y	MERRIFIELD, CAROL L. MERRIFIELD, LONNIE	CABIN CREEK	POU		11.0	22.5	5.7														38.9
IRR UESD							11	22.5	7				12			3							55.5

$$IRR AC = 40.5$$

$$40.5 AF \times 3 AF = AF = 121.5 AF$$

$$40.5 AC \times 0.02 cfs = 0.81 cfs$$

98-7365

Process	Basin Sequence	Draft	Owner	Source	POD/POU		NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	98-107	N	MERRIFI ELD, DORICE L; MERRIFI ELD, EARL M	UNNAME D STREAM	POU				10.0														10
Water Right	98-7082	N	GRAHAM, AUREL; GRAHAM, JOHN	SPRING	POU											3.0							3
Water Right	98-7086F	Y	CLIFTY VIEW NURSER Y INC	UNNAME D STREAM	POU								12.0										12
Water Right	98-7196A	Y	CLIFTY VIEW NURSER Y INC	UNNAME D STREAM	POU								12.0			2.0							14
Water Right	98-7312	Y	MERRIFI ELD, CAROL L; MERRIFI ELD, LONNIE	CABIN CREEK	POU		11.0	22.5															33.5
Water Right	98-7365	Y	MERRIFI ELD, CAROL L; MERRIFI ELD, LONNIE	CABIN CREEK	POU		11.0	22.5	5.4														38.9
IRR UESD							11	22.5	7				12			3							55.5