

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7806

Exam Date: 8/15/2012

1. Current Owner: CLIFTY VIEW NURSERY INC
312 CLIFTY VIEW RD
BONNERS FERRY ID 83805
(208)267-7129
2. Accompanied by: LONNIE MERRIFIELD / OWNER
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE
GROUND WATER

TRIBUTARY**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: Rights 98-2086B, 98-7086E, 98-7086F, 98-7155, 98-7173, 98-7196A, 98-7196B and 98-7806
2. Other water rights with the same point of diversion: ~~NONE~~ 98-7864, 98-7806

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4SE1/4 Sec. 7, 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	7	1.0	6.0	21.0	27.0				4.1	26.0			24.6	33.4	35.0	21.6	30.5	230.2
61N	02E	8							12.0				3.0						15.0

Total Acres: 245.2

PLACE OF USE: COMMERCIAL

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	7												X	X		X	X	

PLACE OF USE: DOMESTIC

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	7													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	7	1.0	6.0	21.0	27.0				4.1	26.0			24.6	33.4	35.0	21.6	30.5	230.2
61N	02E	8						12.0			3.0								15.0

Total Acres: 245.2

PLACE OF USE: IRRIGATION 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	7												X			X	X	

DIVERSION TO STORAGE same as IRRIGATION 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>
A0016974					

*Code to correspond with No. on map and aerial photo

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						05-2013

2. Measurements: 0.41 CFS

E. FLOW CALCULATIONS

Measured Method:

_____Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 735.6 \text{ AF AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 146.4 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 146.4 \text{ AF}$$

2. Volume Calculations for Other Uses:

COMMERCIAL: = 4.8 AF

WATER ON ROADS FOR DUST 1500GAL, TRUCK 0.5 AF PER YEAR

15000 GPD X 130 = 3.5 AF

5000 GPD X 130 = 0.8 AF

DOMESTIC 2 HOMES X 0.6 AF = 1.2 AF PER YEAR

G. NARRATIVE/REMARKS/COMMENTSHave 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	03/15 to 11/15	0.300 CFS	146.40 AF
COMMERCIAL	01/01 to 12/31	0.110 CFS	4.80 AF
DOMESTIC	01/01 to 12/31	0.060 CFS	1.20 AF
IRRIGATION FROM STORAGE	03/15 to 11/15		~~50.00 AF~~ 50.0 AF OK
IRRIGATION STORAGE	03/15 to 11/15		~~50.00 AF~~ 50.0 AF OK
DIVERSION TO STORAGE	01/01 to 12/31	0.300 CFS	
<u>Totals:</u>		0.360 CFS	~~202.40 AF~~ 152.4 AF 302.4 AF OK

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 Eric Rios Date 9-23-2013Reviewer Mary Taylor Date 12/10/13



98-7806





98-7806

POD 1



USE



98-7806

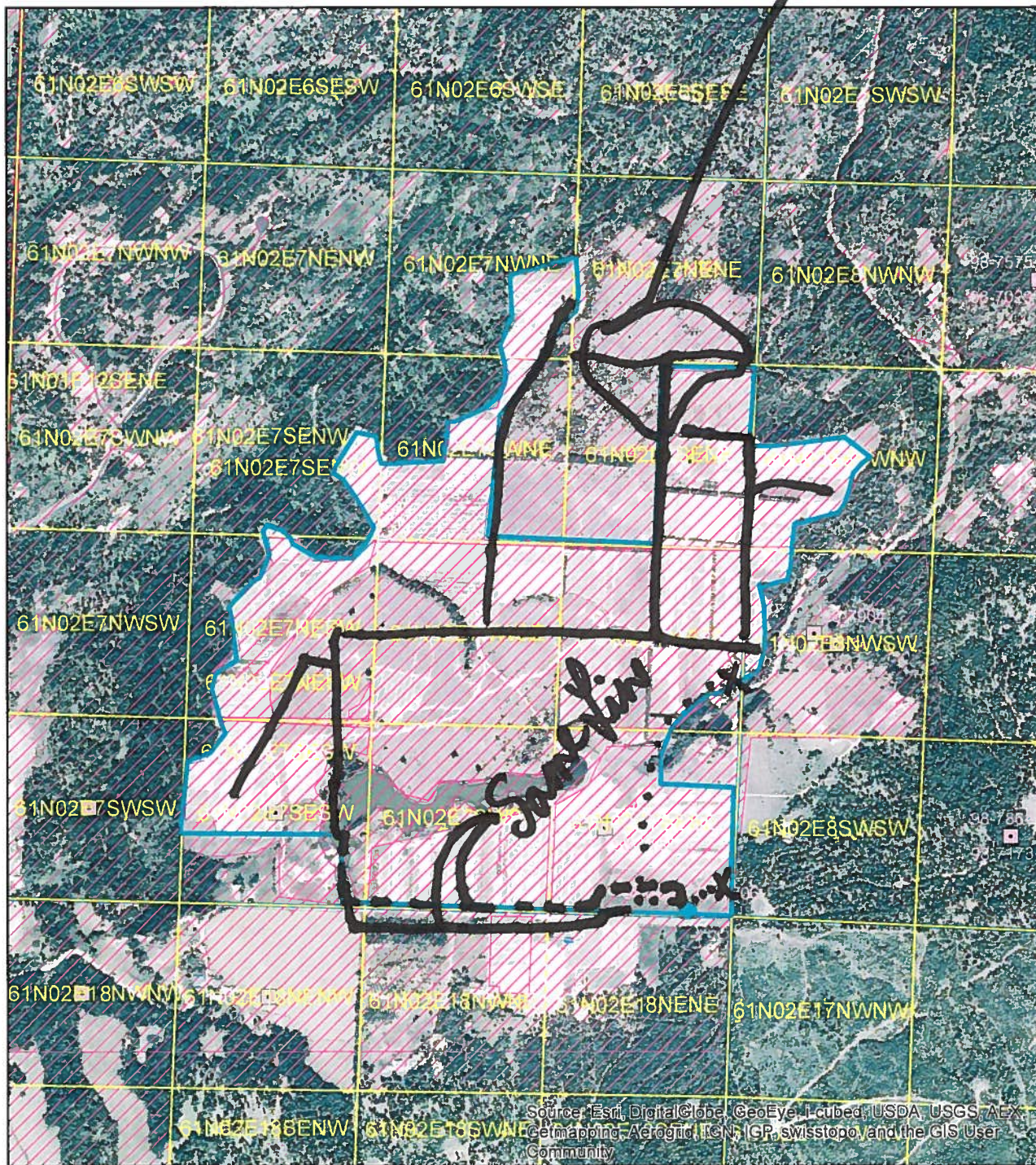
Pond 1



Domestic

98-7806

No



Commercial-Domestic ----

Storage ---

Irrigation —

Legend

x Home

1 inch = 1,102 feet



Sec 7

98-7806

Process	Basin Sequence	Draft	Owner	Source	PO D/P OU	NENE	NWNE	SWNE	SENE	NEN W	NWN W	SWN W	SENW	NESW	NWS W	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	98-2086B	N	ERICKSON, GLEN J	UNNAMED STREAM	PO U				10.0									10.0				20
Water Right	98-7086E	Y	MERRIFIELD, DONNA M; MERRIFIELD	UNNAMED STREAM	PO U									15.0				21.0	20.0	10.0		66
Water Right	98-7086F	Y	CLIFTY VIEW NURSERY	UNNAMED STREAM	PO U				10.0									18.0				28
Water Right	98-7155	Y	ERICKSON, GLEN J; ERICKSON, JACQUELYN B.	UNNAMED STREAM	PO U												X			X	X	0
Water Right	98-7155	Y	ERICKSON, GLEN J; ERICKSON, JACQUELYN B.	UNNAMED STREAM	PO U									26.0			24.6			21.6	30.5	102.7
Water Right	98-7173	Y	MERRIFIELD, DONNA M; MERRIFIELD	UNNAMED STREAM	PO U			5.0	27.0													32
Water Right	98-7196A	Y	CLIFTY VIEW NURSERY	UNNAMED STREAM	PO U												X			X	X	0
Water Right	98-7196A	Y	CLIFTY VIEW NURSERY	UNNAMED STREAM	PO U				20.0									12.4			2.0	34.4
Water Right	98-7196B	Y	MERRIFIELD, DONNA M; MERRIFIELD	UNNAMED STREAM	PO U												X			X	X	0
Water Right	98-7196B	Y	MERRIFIELD, DONNA M; MERRIFIELD	UNNAMED STREAM	PO U	1.0		21.0	7.0				4.1	26.0			24.6	21.0	35.0	21.6	30.5	191.8
Water Right	98-7806	Y	CLIFTY VIEW NURSERY	GROUND WATER	PO U	1.0	6.0	21.0	27.0				4.1	26.0			24.6	33.4	35.0	21.6	30.5	230.2
IRR UESD						1		21	27				4.1	26			24.6	33.4	35	21.6	30.5	224.2

Sec 8 = 154c

Sec 7 = 230.2 AC

245.2 AC

0.30 cfs X 246 Days X 1.9835 = 146.4 AF (98-7806)

245.2 AC X 3 AF = 735.6 AF

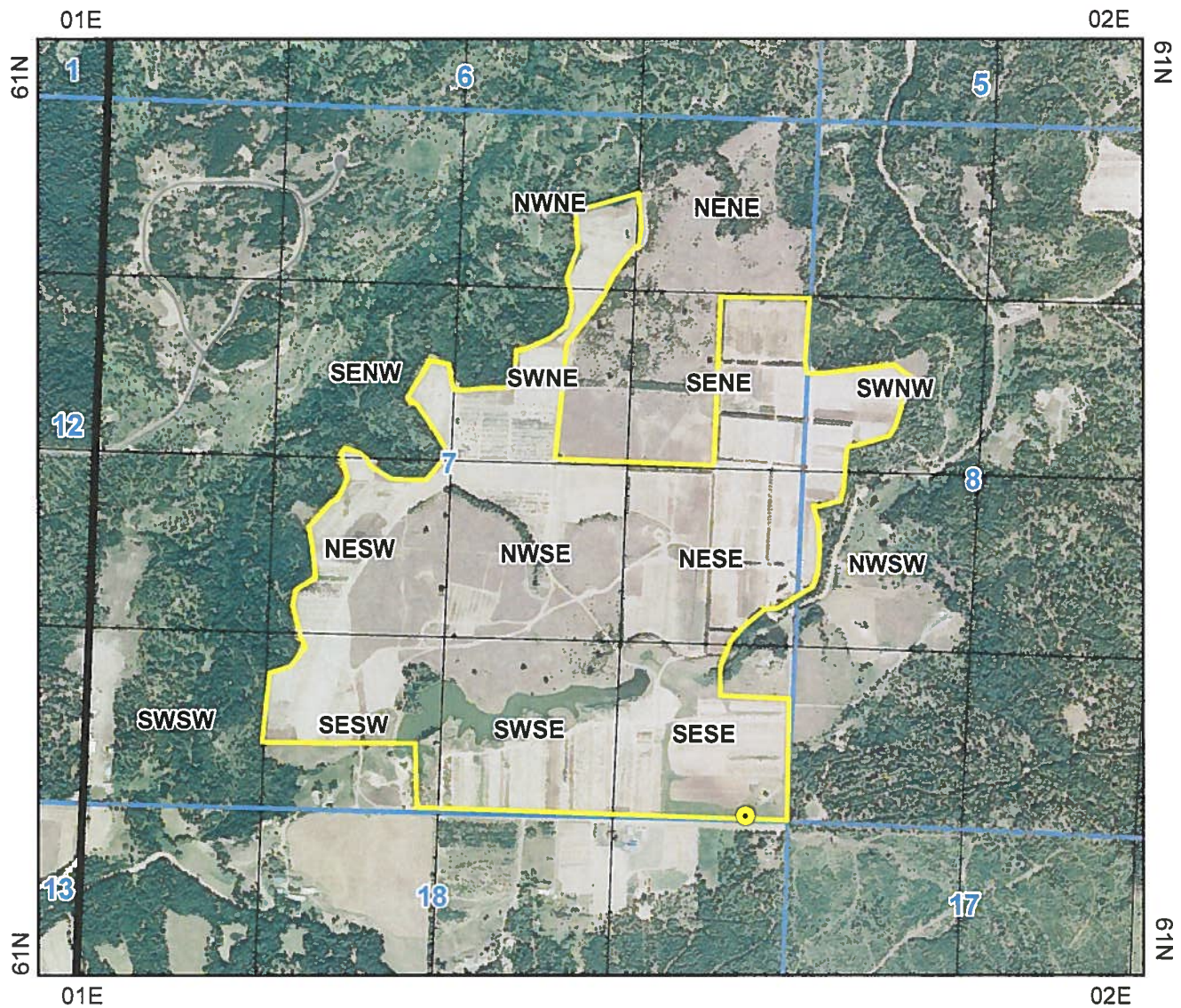
245.2 AC X 0.02 cfs = 4.90 cfs

Sec 8

98-7806

Process	Basin Sequence	Draft	Owner	Source	PO D/P OU	NENE	NWNE	SWNE	SENE	NENW	NWN W	SWN W	SENW	NESW	NWS W	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	98-107	N	MERRIFIELD, DORCE L; MERRIFIELD	UNNAMED STREAM	PO U			10.0														10
Water Right	98-7086F	Y	CLIFTY VIEW NURSERY	UNNAMED STREAM	PO U							12.0										12
Water Right	98-7196A	Y	CLIFTY VIEW NURSERY	UNNAMED STREAM	PO U							12.0			2.0							14
Water Right	98-7312	Y	MERRIFIELD, CAROL L; MERRIFIELD, LONNIE	CABIN CREEK	PO U	11.0	22.5															33.5
Water Right	98-7365	Y	MERRIFIELD, CAROL L; MERRIFIELD, LONNIE	CABIN CREEK	PO U	11.0	22.5	5.4														38.9
Water Right	98-7621	N	MERRIFIELD, DONNA M; MERRIFIELD	UNNAMED STREAM	PO U					5.0												5
Water Right	98-7806	Y	CLIFTY VIEW NURSERY	GROUND WATER	PO U							12.0			3.0							15
IRR UESD						11	22.5	7				12			3							56

State of Idaho
Department of Water Resources
Water Right License
98-7806



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

0 0.15 0.3 0.6 Miles

