

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14021

Exam Date: 8/22/2012

1. Current Owner: O W RANCHES INC
C/O KENNETH F O BRIEN
PO BOX 237
COALVILLE UT 84017
(435)336-2282

2. Accompanied by: None

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

FULTON CREEK

TRIBUTARY

GRAYS LAKE

B. OVERLAP REVIEW

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

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

FULTON CREEK NE1/4SE1/4 Sec. 36, Twp 04S, Rge 43E, B.M.

BONNEVILLE County

Method of Determination: GPS (-111.356576, 43.023988)

2.

PLACE OF USE: STOCKWATER 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	
04S 43E 36													X			X	

PLACE OF USE: STOCKWATER FROM 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	
04S 43E 36													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.

<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>
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*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>
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2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

POND : See attached pond calculation sheet.

G. NARRATIVE/REMARKS/COMMENTS

Lockable device located on the outlet of the pond, Upper pond is covered under 25-14016 & 25-14015

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>
STOCKWATER STORAGE	10/01 to 05/01		2.00 AF
STOCKWATER FROM STORAGE	10/01 to 05/01		2.00 AF
<u>Totals:</u>			2.00 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 Kerrie Matthews Date 8-22-2012

Reviewer _____ Date _____

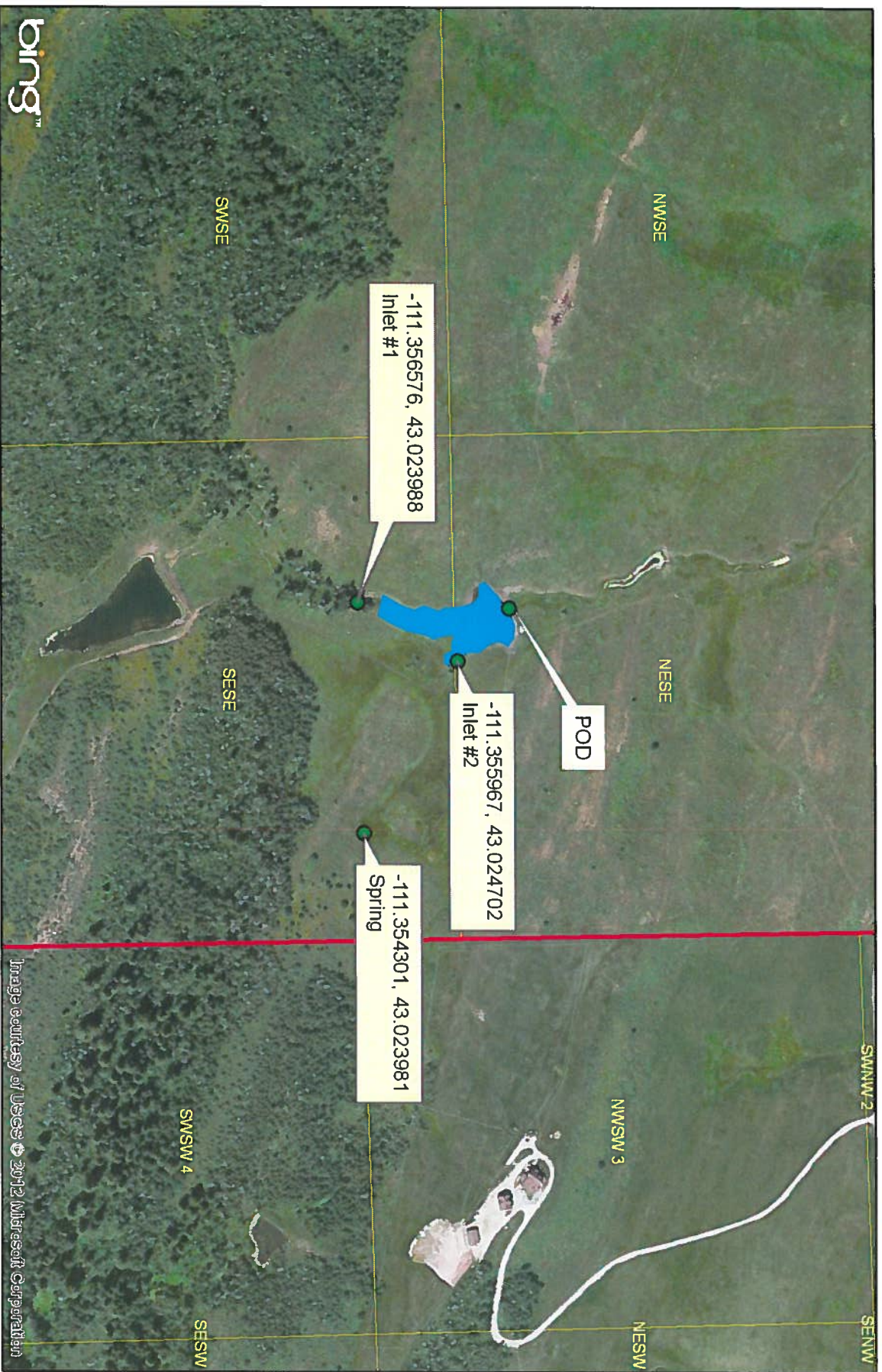


Image courtesy of USGS © 2012 Microsoft Corporation

25-14021 Field Exam 8/22/2012

- Pond
- Township/Range
- Sections
- QQ



PRECIPITATION DEFICIT CALCULATION FOR PONDS

MM/DAY													mm/foot			
0.00328084																
MONTHLY	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL MM	TOTAL FEET	Pond Size	AF needed
	0	0	0.12	1.05	1.71	2.64	3.17	2.61	1.53	0.64	0	0	412.35		1.4	0.78
	0	0	3.72	31.5	53.01	79.2	98.27	80.91	45.9	19.8	0	0				1.055226
	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	321.633	Total evaporate AF		
	0	0	2.9016	24.57	41.35	61.8	76.65	63.11	35.8	15.5	0	0	acres	1.05522638		
Surface Area in ACRES													321.633	1.05522638		
MM/Day													acres	1.05522638		
													needed			
													Evap			
													0.49			
														</		

Total AF for Pond 1.79

DAYS	Pond size		W in ft L in ft		sq ft		Acres	
					.=		0.78	
	30 June	31 Nov						
	28 Feb	31 July						
	31 March	31 August						
	30 April	30 Sept						
	31 May	31 Oct						

Crop Type = Grass Pasture (low management)
CIR AF/ACRE 2.15

Pond Size ACRES 0.78
AVERAGE depth in FEET 0.94
AF NEEDED TO FILL POND 0.73

Data Entry in Green

Field Exams – August 22, 2012 – 25-14021



Other Source location



Inlet from Creek