

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 23-11366

Exam Date: 1/21/2015

1. Current Owner: MIKE DIETRICH
630 W 2200 N
WEST BOUNTIFUL UT 84087
2. Accompanied by: In-office field exam. Phone conversation with Mike and Chris Dietrich.
Phone No: (801) 298-9568
Address: 630 W 2200 N. West Bountiful, UT 84087
Relationship to Permit Holder: Owner

3. SOURCE TRIBUTARY
SPRINGS SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

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

SPRINGS NE1/4NW1/4NW1/4 Sec. 15, Twp 01N, Rge 43E, B.M.
BONNEVILLE County

Method of Determination: Aerial Photography and phone conversation with Mike Dietrich.

2.

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>	
01N	43E	15						X											

Method of Determination: Aerial photography

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

D. FLOW MEASUREMENTS

1. Measurements: In-office field exam. No measurement required.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: De-minimus spring flow. Assumed rate of diversion is 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

One home with ½ acre lawn.

In-house use = 0.6 acre-feet

½ acre irrigation = 1.7 acre-feet/acre X 0.5 acres = 0.9 acre feet. Volume for irrigation is based on ET Idaho data for turf grass.

Volume = 1.5 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Domestic use is for one home with ½ acre lawn. The location for the place of use was verified through aerial photography. The location for the point of diversion was verified through a phone conversation with Mike Dietrich (permit holder) along with aerial photography. According to Mike, the spring box is located by pull barn (shed) with a green roof top by dirt road. The spring box is under a wood cover. Wood cover is visible using aerial photography.

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>
DOMESTIC	01/01 to 12/31	0.020 CFS	1.50 AF
<u>Totals:</u>		0.020 CFS	1.50 AF

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ☒ None

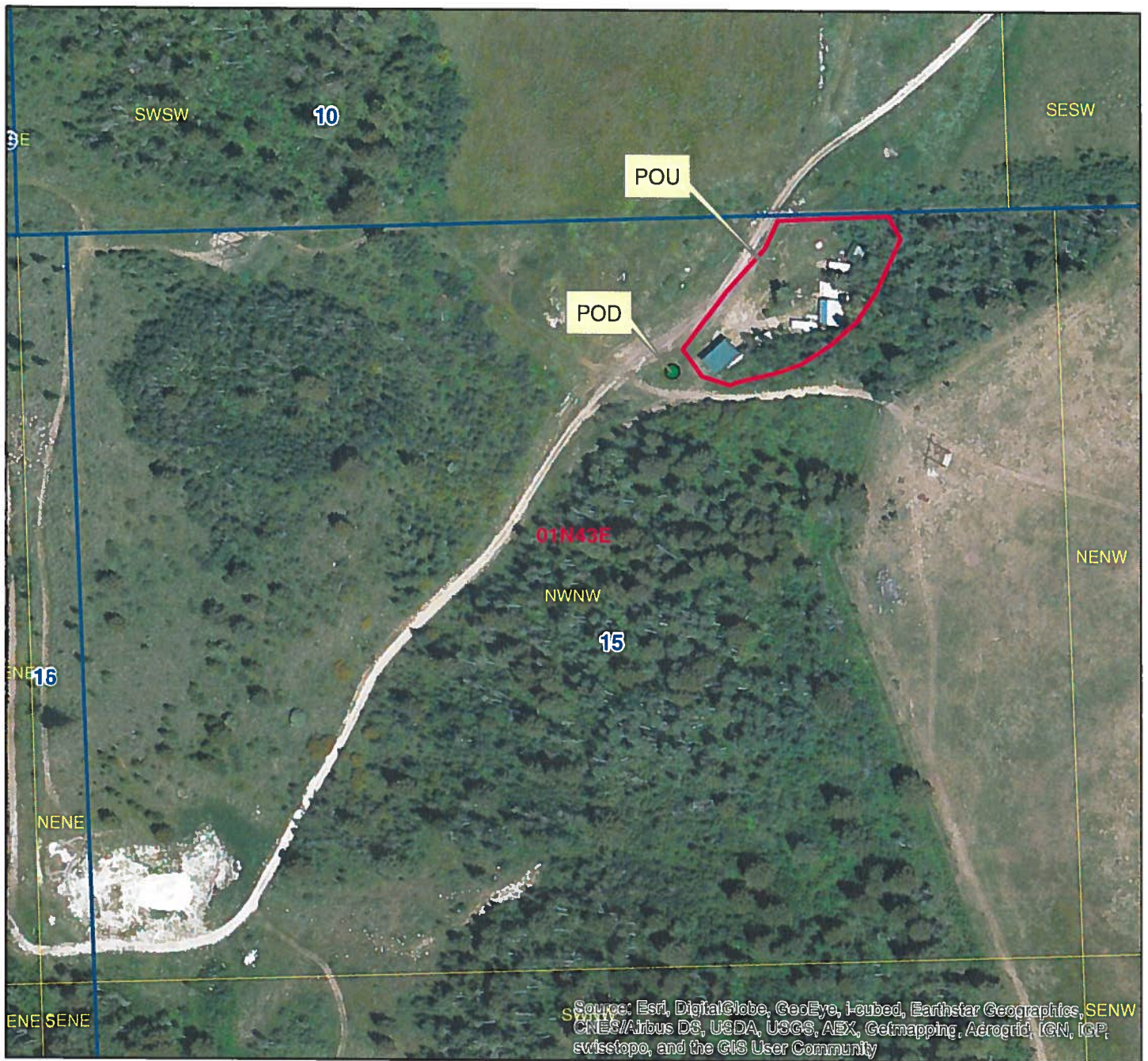
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

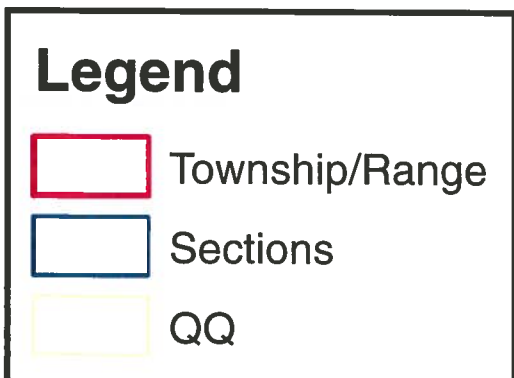
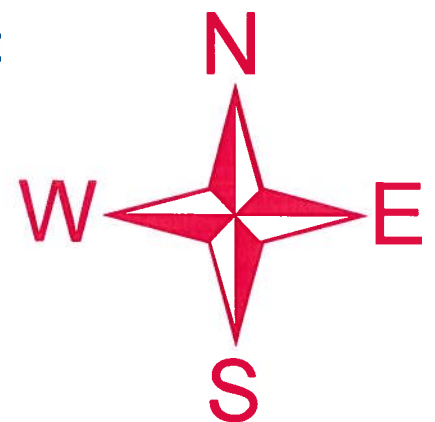
Field Examiner's Name Blake Jordan Date 1/21/2015

Reviewer _____ Date _____

23-11366



1 inch = 201 feet





Google earth

feet
meters





Bonneville County
Welcome to Wonderful Bonneville County

Information for Parcel: RP01N43E153001

Instruments

Improvements

Land

Extension	Category	ImpvID	ImpType	EffStatus	SqFeet	Value	YearBuilt	EffYrBuilt	Grade	Condition	PINStatus
R01	31H	D	DWELL	A	975	10000	1940	1940	Low	VP	A
R01	31H	G01	ATTGAR	A	325	3180	1940	1940	Low	VP	A
R02	32	01	HAYCOVER	A	0	5000	1980	1980	Avg	AV	A

ET_{Idaho} 2012 -- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

Please send suggestions for improving this site to robison@kimberly.uidaho.edu Copyright 2012, University of Idaho.

Swan Valley 1 W (NWS -- 108937)

Statistics based on thirty year normal spans 1968 to 2010 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.

Grass - Turf (lawns) - Irrigated															
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	0.01	0.02	0.02	0.30	1.54	4.16	5.00	4.12	1.79	-0.24	-0.16	-0.02	517	-13	507
15-Day Moving Average ^d	0.01	0.00	0.02	0.21	1.54	4.16	4.97	4.00	1.72	-0.26	-0.15	-0.01			
7-Day Moving Average ^e	0.01	0.01	0.01	0.22	1.51	4.14	4.98	4.10	1.73	-0.25	-0.17	-0.02			
3-Day Moving Average ^f	0.01	0.01	0.01	0.27	1.52	4.17	5.00	4.13	1.78	-0.25	-0.18	-0.02			
Standard Deviation ^k	mm/day												mm		
Monthly ^c	0.04	0.05	0.09	0.43	1.78	1.16	1.47	0.99	0.92	0.52	0.27	0.13	93	12	91
15-Day Moving Average ^d	0.06	0.08	0.17	0.45	1.65	1.57	1.39	1.11	1.42	0.64	0.32	0.13			
7-Day Moving Average ^e	0.10	0.16	0.29	0.75	2.19	2.13	1.86	1.59	2.01	1.08	0.51	0.23			
3-Day Moving Average ^f	0.17	0.29	0.51	1.20	3.01	2.88	2.66	2.31	2.78	1.65	0.85	0.33			
20% Exceedance ^l	mm/day												mm		
Monthly ^c	0.03	0.05	0.08	0.35	2.25	5.31	6.03	4.75	2.50	0.11	0.00	0.01	599	-4	580
15-Day Moving Average ^d	0.13	0.17	0.30	0.63	3.68	6.20	6.46	5.31	3.92	0.46	0.17	0.11			
7-Day Moving Average ^e	0.20	0.35	0.50	1.60	5.21	6.58	6.98	6.33	4.91	1.15	0.38	0.17			