

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7195

Exam Date: 7/30/2014

1. Current Owner: KIRK CORBRIDGE
2390 N 100 W
MALAD CITY ID 83252
(208) 851-0919
2. Accompanied by: Kirk Corbridge
Phone No: 208 851 6060
Relationship to Permit Holder: Same

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW1. **Other water rights with the same place of use:**

No other groundwater irrigation rights.

Malad Valley Irrigation's POU overlaps 15-7195's entire POU. Canal shares from Malad Valley Irrigation and/or Deep Creek cover the entire POU.

Right 15-7397 is an overlapping stockwater right in Section 09 NENE; right 15-7397 was split from 15-7195 at the licensing of 15-7195. Permit 15-7195 authorized both stockwater and irrigation from any of three wells. Two wells were actually developed, one used exclusively for irrigation in Section 09 SENE, and one used exclusively for stockwater in Section 09 NENE. They are not interconnected, therefore each of the two wells was assigned a separate water right number.

2. **Other water rights with the same point of diversion:** None**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4NE1/4

Sec. 9, Twp 14S, Rge 36E, B.M.

ONEIDA County

Method of Determination: GPS and ArcMap

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	
14S	36E	9	32.0	33.0	30.0	27.0					5.7	5.7	38.0	38.0			36.0		245.4
14S	36E	16		30.3	14.3		25.0	24.0											93.6

Total Acres: 339

Method of Determination: ArcMap

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.

Well Information

15-7195: 130 HP Irrigation Well

15-7397: 1 HP stockwater pump

D. FLOW MEASUREMENTS

1. Measurement Equipment

Fuji Portaflow C

2. Measurements:

Please see attached spreadsheet with totalized readings in 10-second intervals for irrigation pump. Stockwater pump unable to be measured.

Max reading: 585.42 gpm

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

For irrigation: $585.42 \text{ gpm} / 448.83 \text{ gpm/cfs} = 1.30 \text{ cfs}$

For stockwater (15-7397) Theoretical: 0.14 cfs for 600 cattle

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation (15-7195):**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 339 \text{ acre} \times 3.5 \text{ af/acre} = 1186.5 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.30 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 551.81 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 551.81 \text{ af}$$

2. Volume Calculations for Other Uses (15-7397): Stockwater use for 600 cattle developed under permit 15-7195 was split from the irrigation component during licensing and renumbered to 15-7397. IDWR's standard rate for 600 cattle is 0.14 cfs and the standard volume is 8.1 AF.

G. NARRATIVE/REMARKS/COMMENTS

Canal shares from Malad Valley Irrigation and/or Deep Creek cover the entire POU. There are livestock troughs in the NENE of Section 9 for 600 cattle. The POD for the livestock is not interconnected with the irrigation well and is used only for those troughs. The system consists of two pivots and three hand-lines.

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	04/01 to 10/31	1.300 CFS	551.80 AF
<u>Totals:</u>		1.300 CFS	551.80 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 Cooper Fritz Date 2/9/2015

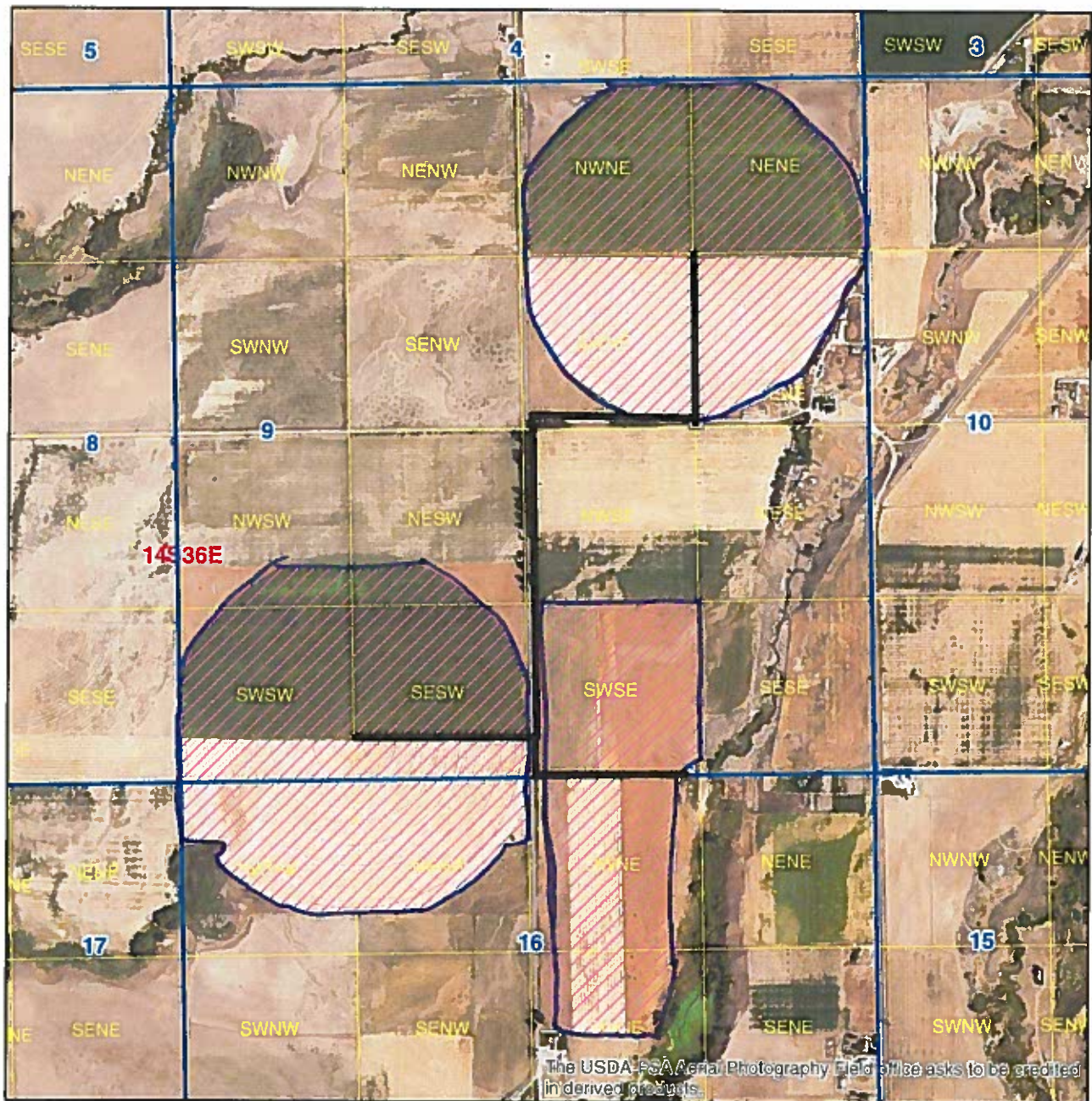
Reviewer _____ Date _____

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	ft/s	gal/min	gal
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5/20/2014 11:54	1.692	581.8597	90.369
5/20/2014 11:54	1.668	573.7181	187.99
5/20/2014 11:54	1.63	560.8224	283.816
5/20/2014 11:54	1.64	564.1631	373.626
5/20/2014 11:54	1.672	575.2648	472.995
5/20/2014 11:55	1.614	555.2436	564.139
5/20/2014 11:55	1.667	573.545	659.795
5/20/2014 11:55	1.608	552.968	752.622
5/20/2014 11:55	1.604	551.6884	846.861
5/20/2014 11:55	1.652	568.2738	937.183
5/20/2014 11:55	1.652	568.3581	1035.618
5/20/2014 11:56	1.645	565.8707	1131.975
5/20/2014 11:56	1.614	555.1965	1221.279
5/20/2014 11:56	1.633	561.7193	1316.302
5/20/2014 11:56	1.659	570.6741	1408.513
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5/20/2014 11:56	1.65	567.6902	1598.291
5/20/2014 11:57	1.599	549.9593	1693.044
5/20/2014 11:57	1.643	565.1091	1788.391
5/20/2014 11:57	1.652	568.218	1878.826
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5/20/2014 11:57	1.601	550.7477	2065.827
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5/20/2014 11:58	1.597	549.3089	2343.957
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5/20/2014 11:58	1.649	567.0456	2713.346
5/20/2014 11:59	1.624	558.7584	2810.181
5/20/2014 11:59	1.639	563.7694	2901.538
5/20/2014 11:59	1.658	570.3543	2997.56
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5/20/2014 11:59	1.674	575.8597	3189.126
5/20/2014 11:59	1.645	565.7046	3279.927
5/20/2014 12:00	1.644	565.5265	3376.036
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5/20/2014 12:00	1.638	563.4123	3660.307
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5/20/2014 12:01	1.671	574.8091	4129.243

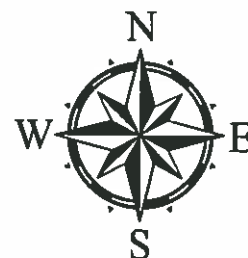
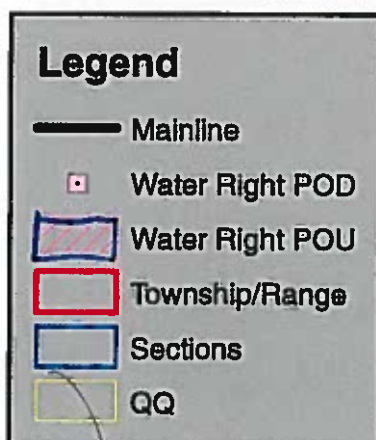
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5/20/2014 12:02	1.702	585.4188	4796.836
5/20/2014 12:02	1.668	573.8331	4889.805
5/20/2014 12:02	1.636	562.9041	4986.481
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5/20/2014 12:03	1.61	553.7185	5361.633
5/20/2014 12:03	1.618	556.7238	5450.876
5/20/2014 12:03	1.618	556.4956	5546.071
5/20/2014 12:04	1.659	570.5365	5642.222



Water Right 15- 7195 Mainline Location, POD, and POU

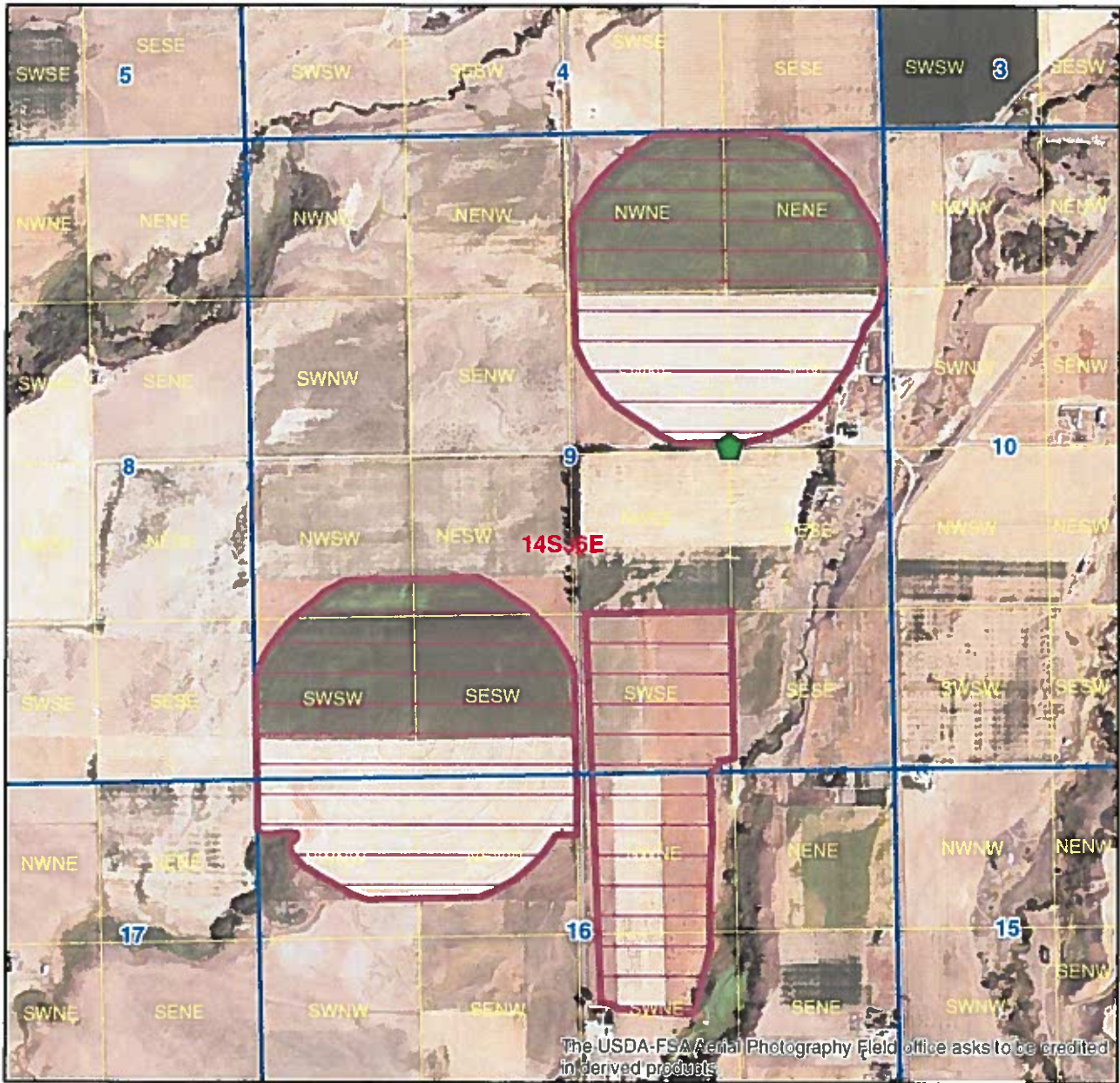


2013 Imagery



0 0.2 0.4 0.8 Miles

15-7195 POD and POU



2013 Imagery

