

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7212

Exam Date: 7/30/2014

1. Current Owner: RICHARD A WARD
640 W 600 N
MALAD ID 83252
(208)766-4104
2. Accompanied by: Richard Ward
Relationship to Permit Holder: Same

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

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Ground is covered by five shares in St. John Irrigating company. There are not other groundwater rights.
2. Other water rights with the same point of diversion: None

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

GROUND WATER

SW1/4SW1/4

Sec. 34, Twp 13S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS and ArcMap

2.

PLACE OF USE:

IRRIGATION

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>	
13S	35E	34									32.0	10.0	19.0	32.0					93.0
14S	35E	3					32.0		24.0										56.0

Total Acres: 149

Method of Determination: Meeting with license-holder, and 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 or Diversion Information**

250 HP motor powered by diesel generator

D. FLOW MEASUREMENTS

1. **Measurement Equipment**

Fuji Portaflow C

2. Measurements:

1421.15 gpm/system. See printed out flow meter readings for additional information.

E. FLOW CALCULATIONS

$1421.15 \text{ gpm/system} / 448.83 \text{ gpm/cfs} = 3.17 \text{ cfs/system}$

$149 \text{ acres} * 0.02 \text{ cfs/acre} = 2.98 \text{ cfs}$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 149 \text{ acres} \times 3.5 \text{ acre foot/acre} = 521.5 \text{ Acre Feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.98 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 1264.9 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 521.5 \text{ acre feet}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

One pump to two pivots. No stock.

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	2.980 CFS	521.50 AF
<u>Totals:</u>		2.980 CFS	521.50 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

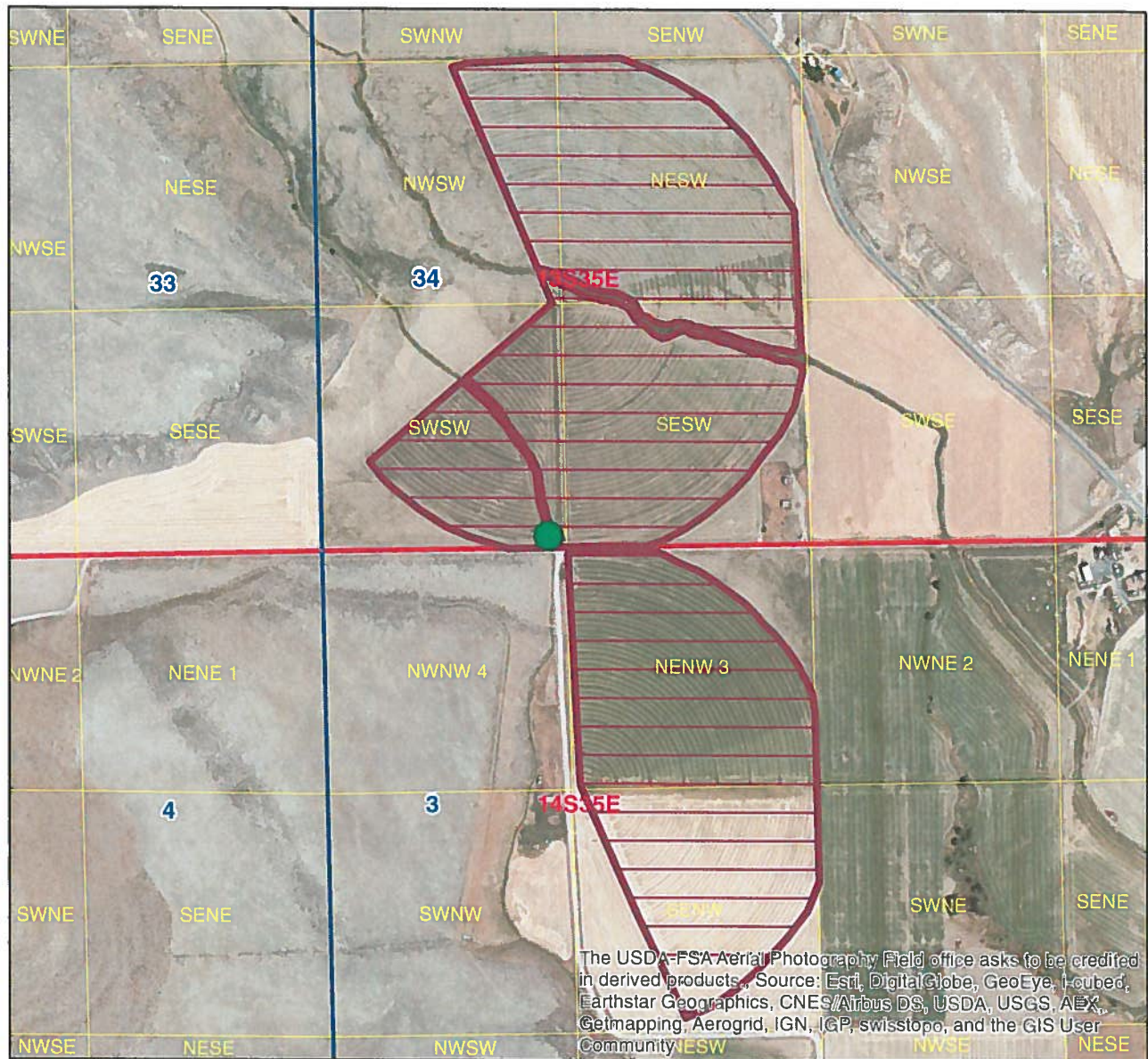
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

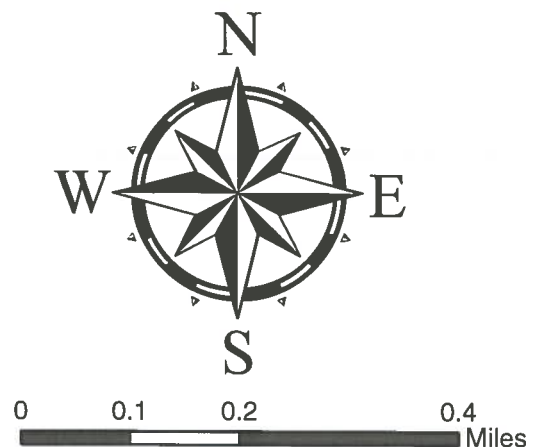
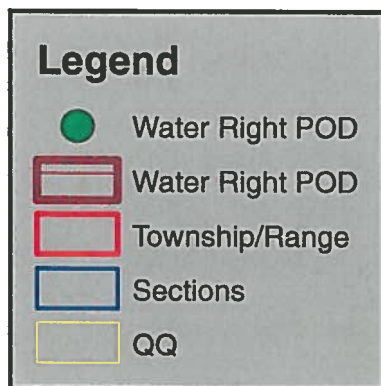
Field Examiner's Name Cooper Fritz Date 3/27/2015

Reviewer _____ Date _____

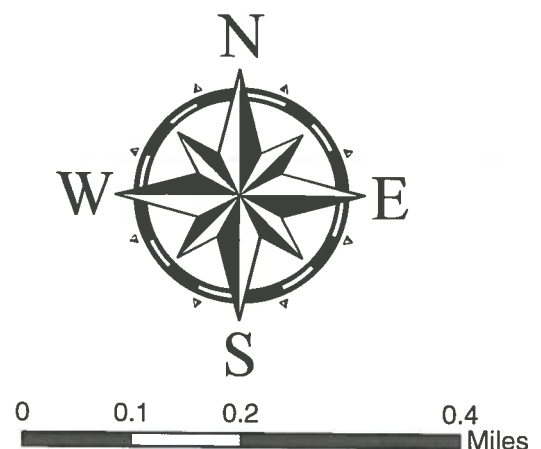
15-7212 POD, and POU



2012 Imagery



2012 Imagery



	4 'VELOCITY ft/s	'FLOW RATE gal/min	'+TOTALIZER gal
6/24/2014 14:07	9.449	1421.1489	0
6/24/2014 14:07	9.362	1408.0299	229.68
6/24/2014 14:07	9.4	1413.7459	464.052
6/24/2014 14:07	9.318	1401.379	698.645
6/24/2014 14:07	9.304	1399.33	931.861
6/24/2014 14:07	9.278	1395.4431	1165.31
6/24/2014 14:08	9.274	1394.8709	1398.956
6/24/2014 14:08	9.266	1393.5489	1631.004
6/24/2014 14:08	9.295	1397.9052	1864.316
6/24/2014 14:08	9.376	1410.0715	2097.553
6/24/2014 14:08	9.379	1410.5407	2332.182
6/24/2014 14:08	9.336	1404.0631	2566.385
6/24/2014 14:09	9.297	1398.2625	2800.789
6/24/2014 14:09	9.299	1398.6149	3034.712
6/24/2014 14:09	9.332	1403.4955	3268.977
6/24/2014 14:09	9.316	1401.0771	3503.235
6/24/2014 14:09	9.352	1406.5216	3736.636
6/24/2014 14:09	9.336	1404.1412	3970.705
6/24/2014 14:10	9.313	1400.7317	4203.874
6/24/2014 14:10	9.302	1399.0818	4437.575
6/24/2014 14:10	9.247	1390.778	4670.379
6/24/2014 14:10	9.227	1387.7502	4902.498
6/24/2014 14:10	9.237	1389.2937	5133.802
6/24/2014 14:10	9.216	1386.1252	5364.34
6/24/2014 14:11	9.259	1392.5934	5595.842
6/24/2014 14:11	9.246	1390.6264	5827.66
6/24/2014 14:11	9.144	1375.2316	6058.283
6/24/2014 14:11	9.18	1380.676	6287.603
6/24/2014 14:11	9.176	1380.0382	6517.637
6/24/2014 14:11	9.106	1369.5934	6746.172
6/24/2014 14:12	9.168	1378.8881	6975.675
6/24/2014 14:12	9.128	1372.8326	7206.179
6/24/2014 14:12	9.199	1383.5657	7435.541
6/24/2014 14:12	9.133	1373.6097	7665.21
6/24/2014 14:12	9.191	1382.2408	7894.748
6/24/2014 14:12	9.114	1370.743	8124.803
6/24/2014 14:13	9.163	1378.093	8353.838
6/24/2014 14:13	9.143	1375.132	8583.425
6/24/2014 14:13	9.155	1376.9764	8812.225
6/24/2014 14:13	9.152	1376.3825	9042.007
6/24/2014 14:13	9.167	1378.7523	9271.218
6/24/2014 14:13	9.192	1382.5205	9501.892
6/24/2014 14:14	9.091	1367.2322	9731.492
6/24/2014 14:14	9.056	1361.9544	9958.72
6/24/2014 14:14	9.219	1386.5361	10187.454

6/24/2014 14:14	9.244	1390.2831	10419.279
6/24/2014 14:14	9.2	1383.6768	10649.577
6/24/2014 14:14	9.159	1377.4617	10879.618
6/24/2014 14:15	9.166	1378.5959	11109.328
6/24/2014 14:15	9.195	1382.9525	11339.048
6/24/2014 14:15	9.112	1370.4129	11568.381
6/24/2014 14:15	9.122	1371.9221	11797.862
6/24/2014 14:15	9.138	1374.4181	12027.037
6/24/2014 14:15	9.107	1369.6824	12256.183
6/24/2014 14:16	9.171	1379.2738	12484.875
6/24/2014 14:16	9.165	1378.4156	12714.995
6/24/2014 14:16	9.159	1377.5014	12943.455
6/24/2014 14:16	9.119	1371.5492	13172.551
6/24/2014 14:16	9.205	1384.4498	13402.347
6/24/2014 14:16	9.096	1368.0229	13631.193
6/24/2014 14:17	9.239	1389.5311	13861.268

