

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AMENDED BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7126

Exam Date: 6/14/1995 and 10/2013

1. Current Owner: DIANE ANDERSEN
2105 W 1500 N
MALAD ID 83252
(208)766-2853
2. Accompanied by: Deon Jones (owner in 1995)
3. SOURCE TRIBUTARY
SPRING 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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SPRING NW1/4SW1/4NE1/4 Sec. 8, Twp 14S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS and site visit

2. PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
14S	36E	8	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					X														

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
14S	36E	8	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					2.5														2.5

Total Acres: 2.5

Method of Determination: Aerial photography and site visit

2013
DEC 17 2013

D. FLOW MEASUREMENTS

Measurement from 1995 indicated a spring flow of 2.6 gpm.
Measurement was conducted using a portable flume.

E. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.5 \text{ acres} \times 3.5 \text{ af/acre} = 8.8 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 21.2 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 8.8 \text{ acre-feet per year}$$

2. Volume Calculations for Other Uses:

$$70 \text{ cattle} \times 12 \text{ gpd} \times 365 \text{ days} = 306,600 \text{ gallons} = 1.0 \text{ af per year}$$

F. NARRATIVE/REMARKS/COMMENTS

Spring has been developed (dug out and fenced off). Spring water is captured into a small pipe which runs under the road. Pipe splits flow between two ditches, which are used for irrigation and stockwater. Based on the location of the spring and ditches in relation to the creek, only 2.5 acres can be irrigated from the spring. Use standard rates and volumes for irrigation and stockwater.

1995 field examiner found 5.0 acres of irrigation. Oct 2013 exam revealed that some of the acres identified in 1995 cannot be flood irrigated from spring source. Aerial photography and topography of land shows that only 2.5 acres can be flood irrigated from spring. Amendment needed to correct POD and POU description.

Have conditions of permit approval been met? ☒ Yes ☐ No

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.030 CFS	1.00 AF
IRRIGATION	04/01 to 10/31	0.050 CFS	8.80 AF
<u>Totals:</u>		0.050 CFS	9.80 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

H. AUTHENTICATION

Field Examiner's Name Dave Carlson Date Oct 2013

Reviewer _____ Date _____

7/20/13
DL 14 2013



10/2013

15-7126 point of diversion



Idaho Department of Water Resources

Water Right
15-7126
(IRRIGATION)

36E

● Point of Diversion

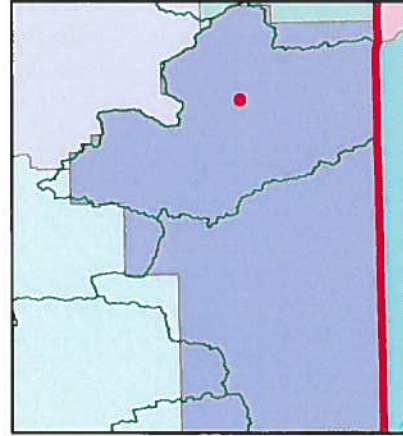
□ Place of Use

□ State Outline

□ Townships

□ PLS Sections

□ Quarter Quarters



Oneida County
IDWR Basin 15

Prepared by Cefalo, James
On October 23, 2013
2009 Aerial Photography



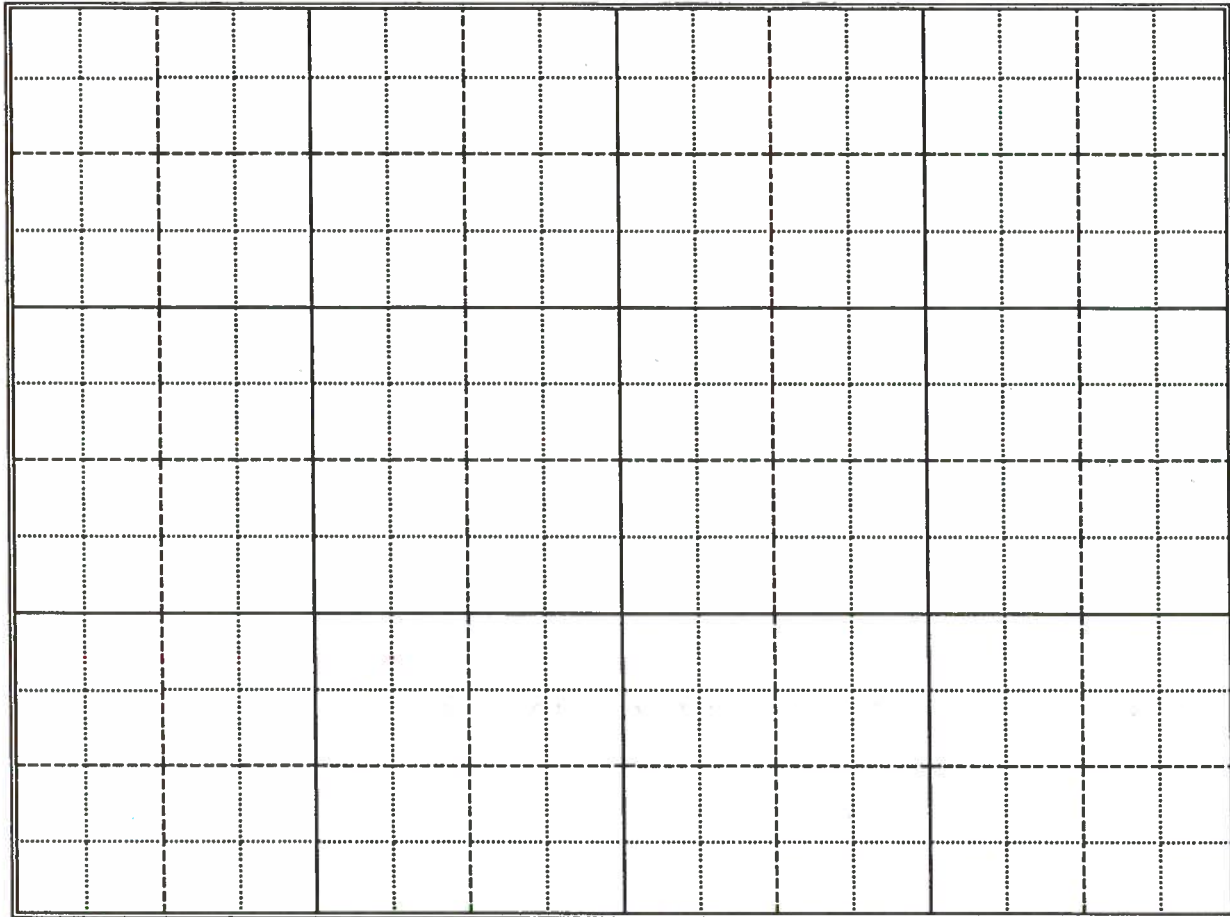
14S

0 200 400 800 Feet

Owner: Diane Andersen
NOTE: Only one owner is listed. There may or may not be more than this in the IDWR database.

DEC 13 2013

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. *SEE ATTACHED MAP*



Scale: 1" = _____.

_____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

_____ Aerial Photo Attached (required for irrigation of 10+ acres)

_____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
<i>POWERS V. FURROW FLUME</i>	<i>FLUME</i>					

2. Measurements: FLUME - SEE BELOW:

D

O

E. NARRATIVE/REMARKS/COMMENTS

PERMIT IS FOR STOCK WATER AND IRRIGATION. WATER IS DIVERTED FROM THE SPRING SOURCE THROUGH DITCHES TO PLACE OF USE, WHERE FLOOD IRRIGATION IS USED.

CATTLE WATER OUT OF THE OPEN DITCHES + SPRING SOURCE. NO IMPROVEMENTS FOR CATTLE HAVE BEEN MADE.

FLUME MEASUREMENTS:

4.33 CM OR 10 L/M = 2.6 GPM OR 0.0058 CFS

SPRING HAS NOT YET RECOVERED FROM 7 YRS OF DROUGHT PER OWNERS. SPRING FLOW IS APPROXIMATELY $\frac{1}{4}$ OF NORMAL FLOW / OWNERS.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

POWELL'S V. FALLOW FLUME

$Q = 2.6 \text{ GPM or } 0.006 \text{ CFS}$

SPRING AT LOW FLOW $\frac{1}{4}$ OF NORMAL

$0.006 \times 4 = 0.024 \text{ CFS}$

STOCKWATER = $70 \text{ STOCK} \times .00022 = 0.0154 \text{ CFS}$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \times 3.5 = 17.5$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.024 \times 183 \times 1.9835 = 8.71$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 8.71$

2. Volume Calculations for Other Uses:

STOCK = $70 \times .0134 = 0.94 \text{ AFA}$ NEED

SPRING DELIVERS $0.006 \text{ CFS} \times 1.9835 \times 365 = 4.34 \text{ AFA}$
CURRENT FLOW

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	4/15	10/15	0.024	8.7 AFA
STOCK WATER	1/1	12/31	0.015	0.9
Totals:			0.024 CFS	8.7 AFA

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 SIMPKINS Date 1/17/96

Reviewer [Signature] Date 3/1/96

SEAL

POWLUS V FURROW FLUMES:

Discharge Equations for Sloping Wall Gauge

$$Q_{\text{gpm}} = 0.000143 (h - 1.5)^{2.63}$$

$$Q_{\text{cfs}} = [0.000143 (h - 1.5)^{2.63}] \div 448.8$$

Gage mm	Flow Rate		Gage mm	Flow Rate		Gage mm	Flow Rate		Gage mm	Flow Rate	
	gpm	cfs		gpm	cfs		gpm	cfs		gpm	cfs
20	0.3	0.0007	50	3.9	0.0087	70	9.6	0.0214	90	18.9	0.0421
22	0.4	0.0009	51	4.1	0.0091	71	10.0	0.0223	91	19.4	0.0432
24	0.5	0.0011	52	4.3	0.0096	72	10.4	0.0232	92	20.0	0.0446
26	0.6	0.0013	53	4.5	0.0100	73	10.8	0.0241	93	20.6	0.0459
28	0.8	0.0017	54	4.8	0.0107	74	11.2	0.0250	94	21.2	0.0472
30	1.0	0.0022	55	5.0	0.0111	75	11.6	0.0258	95	21.8	0.0486
32	1.1	0.0025	56	5.3	0.0118	76	12.0	0.0267	96	22.4	0.0499
34	1.4	0.0031	57	5.5	0.0122	77	12.4	0.0276	97	23.1	0.0515
36	1.6	0.0036	58	5.8	0.0129	78	12.9	0.0287	98	23.7	0.0528
38	1.8	0.0040	59	6.1	0.0136	79	13.3	0.0296	99	24.3	0.0541
40	2.1	0.0047	60	6.4	0.0143	80	13.8	0.0307	100	25.0	0.0557
41	2.3	0.0051	61	6.6	0.0147	81	14.2	0.0316	101	25.7	0.0573
42	2.4	0.0053	62	6.9	0.0154	82	14.7	0.0328	102	26.4	0.0588
43	2.6	0.0058	63	7.2	0.0160	83	15.2	0.0339	103	27.1	0.0604
44	2.7	0.0060	64	7.6	0.0169	84	15.7	0.0349	104	27.8	0.0619
45	2.9	0.0065	65	7.9	0.0176	85	16.2	0.0361	105	28.5	0.0635
46	3.1	0.0069	66	8.2	0.0183	86	16.7	0.0372	106	29.2	0.0651
47	3.3	0.0074	67	8.6	0.0192	87	17.2	0.0383	107	30.0	0.0668
48	3.5	0.0078	68	8.9	0.0198	88	17.8	0.0397	108	30.7	0.0684
49	3.7	0.0080	69	9.3	0.0207	89	18.3	0.0408	109	31.5	0.0702

2 of 2

PLACE OF
USE
IRRIGATION
(FLOOD)



PLACE OF
USE
FLOOD
IRRIGATION



15-07126

DEON D. CAROL D. JONES
IRRIGATION / STOCKWATER

1 of 2



SOURCE OF
SPRING WATER



POINT OF
DIVERSION
PLACE OF
MEASUREMENT

15-07126



USDA Farm: 2252
 FSA Tract: 505
 Oneida County



Wetland Determination Identifiers
 ■ Restricted Use
 ■ Limited Restrictions
 ■ Except from Conservation Compliance Provisions

Wetland Identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determinations (CPA-025 and attached maps) for exact wetland boundaries and labels, or contact NRCS.

Farmland Ac.: 158.63
 Cropland Ac.: 123.47

0 170 340 Feet

Crop Year: _____

Map Created: 09/17/2012

143367

24 September 2008
 3:55 P.M.
 Diane J. Andersen
 6⁰⁰
 Diane J. Andersen

QUITCLAIM DEED

FOR VALUE RECEIVED, David C. Andersen and Diane J. Andersen, husband and wife, ("Grantors") do hereby convey, release, remise and forever quit claim unto Diane J. Andersen, (hereinafter "Grantee"), whose address is 2105 W. 1500 N., Malad, Idaho, 83252, the following described premises located in Oneida County, Idaho, to wit:

See Exhibit A

together with its appurtenances.

Dated this 24 day of September, 2008

By: David C. Andersen

DAVID C. ANDERSEN

By: Diane J. Andersen

DIANE J. ANDERSEN

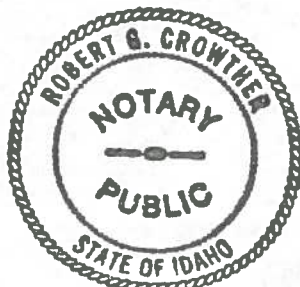
STATE OF IDAHO)

:SS

County of Oneida)

On this 24 day of September, 2008, before me the undersigned Notary Public in and for said State, personally appeared DAVID C. ANDERSEN and DIANE J. ANDERSEN, known or identified to me to be the person(S) whose names are subscribed to the within instrument and acknowledged to me that they subscribed the same as such trustees.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year first above written.



Robert G. Crowther
 NOTARY PUBLIC FOR IDAHO
 Residing at: Malad City
 My Commission expires: 9-4-11