

T-11894

Name COLAHAN ENTERPRISES
ATTN: ERIN DOUGLAS
Address P.O. Box 300
PRISLEY OR 97636

DESCRIPTION OF WATER RIGHT(S)

Name of Stream A WELL

Trib. of CHEWAWLAN R

Use SUPPLY

County LAKE (12)

Quantity of water (CFS) _____ No. of Acres _____

Name of ditch _____

App # G10931 Per # G10059 Cert # 89355 PR Date 4/19/1983

App # G10683 Per # G9765 Cert # 89546 PR Date 4/9/1982

App # _____ Per # _____ Cert # _____ PR Date _____

App # _____ Per # _____ Cert # _____ PR Date _____

App # _____ Per # _____ Cert # _____ PR Date _____

FEES PAID
Date 9/26/14 Amount 1800.00 Receipt # 113538

FEES REFUNDED
Date 7/8/15 Amount 48.33 Receipt # VP040699

Change in APDA

Date Filed 9-26-14

Initial notice date 10-14-14

DPD issued date _____

PD issued date 5-4-15

PD notice date 5-12-15

Date of FO 7-2-15 Vol 96 Page 502-506

C-Date _____

COBU due date _____

COBU Received date _____

Certificate issued _____

Assignments:

Irrigation District _____

Agent GSI WATER SOLUTION - BRUCE BRODY-HEINE

CWRE _____

CC's list _____

- Oversized map - Location _____

GRONDIN Jerry H

From: GRONDIN Jerry H
Sent: Tuesday, October 20, 2015 2:32 PM
To: Bruce Brody-Heine
Cc: GRONDIN Jerry H; GALL Ivan K; BOSCHMANN Darrick E; WALLIN E Timothy; WOODCOCK Doug E; STARNES Kelly; MAYER Brian M; WOZNIAK Karl C
Subject: Surprise Valley Electric (files G-17890 & G-17985) & Colahan (T-11894)

Hi Bruce,

Thank you for your multiple e-mail inquiries.

Again, my apologies for my tardy reply given I was out doing field work the week of 12 to 16 October 2015.

I send this e-mail to facilitate a subsequent telephone discussion.

I am addressing the inquires for files G-17890 and G-17985 (Surprise valley Electric) and T-11894 (Colahan Enterprises) in a single e-mail given they relate to the same well field north of Paisley, Oregon, north of the Chewaucan River. Multiple rights and subsequent multiple transfers for various wells in that well field allows groundwater use for geothermal power and/or irrigation. The allowed uses and changes are an accounting challenge.

1. In regards to Transfer T-11894:

You submitted the following request to the Lake County watermaster (Brian Mayer) in a 13 October 2015 e-mail:

***“REQUEST:** On behalf of Colahan, this letter requests approval from the Department to use an hour-clock in lieu of a totalizing flowmeter for Well 1 also referred to as Hot Well (LAKE 1627, 4448). The Hot Well will be used very infrequently due to the use of the newer production well SVE-1 that is located immediately adjacent to the Hot Well. Therefore, this email requests that the hour clock be used at this location. The hour clock time of operation measurement method is approved for measuring and computing water use under OAR 690-085-0015 (5)(c).”*

This morning, I discussed this request with the watermaster given we both requested the totalizing flow meter.

I noted that I requested the totalizing flow meter to improve the accounting of water use from each POA well in the well field to ensure the use at each POA well is within compliance of the existing water rights. Direct flow meter readings are more direct and efficient for determining water use.

I further noted that there are flow meters capable of measuring flowing hot water. An example is well KLAM 55747 which has reported water temperatures of 199 degrees F. It has a GE Aqua Trans flow meter. I looked it up on-line. It is a clamp-on ultrasonic transducer rated up to 302 degrees F with an accuracy rating of 1 to 5 percent of the flow depending upon the pipe diameter.

Lastly, I noted that if the hour clock method outlined in OAR 690-085-0015 (5)(c) is to be finally approved and used:

- a. The request and approval should formally follow a Department approved process;
- b. The approval should be properly documented and filed in the appropriate water right file(s) to answer any potential future questions about potential non-compliance with the water use measurement and reporting condition.

c. The accuracy of the timer and accuracy of the time to volume conversion needs to be documented, approved, and accessible to Department staff for independent readings and calculation;

2. In regards to file G-17890:

Your 13 October 2015 e-mail to me noted there is a retired USGS geologist and adjunct professor (Silvio Pezzopane) located in Paisley who has been working with Surprise Valley Electric collecting water levels and other water quality parameters as part of the project's overall monitoring program. You then asked:

"Request: SVEC requests an exemption from OWRD to allow Mr. Pezzopane to collect the required monthly water level measurement to satisfy the permit condition. Another option is can Mr. Pezzopane work under a registered geologist who would supervise his work and sign off on the monthly water level forms (with Mr. Pezzopane collecting the actual measurements)."

I discussed the request with the Water Rights Section.

As you noted, the permit condition says the water level measurements *"shall be made monthly by a certified water rights examiner, registered professional geologist, registered professional, engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board."*

The condition does not include an exemption or exception possibility. The Water Rights Section noted the exemption or exception needed to occur before the final order was issued.

The permit condition specifying who can make the groundwater level measurement is limited for a reason. The list is limited to registered and/or licensed persons who are answerable to their respective boards and who are responsible and answerable for following their code of professional conduct. The purpose is to minimize the risk of poor quality data. That has been a past issue and ongoing concern.

3. In regards to file G-17985:

Your 19 October 2015 e-mail to me noted a desire to possibly conduct an aquifer test with an observation well to obtain more site specific transmissivity and storage coefficient data that may benefit Surprise Valley Electric in regards to calculating groundwater pumping interference to surface water. My review of application G-17985 stated an openness to such a consideration.

Your e-mail floated the possibility of using the "Little Hot Well" (LAKE 1628/LAKE 1626/LAKE 52582) as the pumping well and well SVE-4 (LAKE 52506) as the observation well.

I remain open to the consideration. However, I have very serious concerns about using the "Little Hot Well" given the well has collapsed and filled in up to the bottom of the well casing. At best, the well is a poor quality piezometer. It is uncertain what the test will represent if the "Little Hot Well" is used given its very poor condition.

I recommend our discussing what could make a meaningful test: pumping and observation wells, distance between wells, pumping rate, duration of the pumping period, duration of the recovery period, water level measurement schedule and accuracy, influence of nearby pumping, possible barometric pressure influence, possible earth-tide influence, etc.

I hope this e-mail is useful to you for a subsequent discussion. I am in the office through Thursday this week and all next week, except Wednesday.

Thanks,

Jerry

Jerry Grondin, Hydrogeologist
Ground Water Hydrology Section
Technical Services Division
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301

Phone: 503-986-0848

E-Mail: Gerald.H.Grondin@wrdd.state.or.us

Please Note: under Oregon law, messages to and from this e-mail address may be available to the public

WATER RESOURCES DEPARTMENT
REQUEST FOR DISTRIBUTION OF FUNDS

TO: **Fiscal Services Section**

DATE: 6/29/2015

FROM: Joan Smith, Transfer Specialist
Phone: 503-986-0892

SUBJECT: **TRANSFER FILE - Request for Payment or Refund**

TRANSFER FILE #: T-11894

RECEIPT #: 115585

Please prepare payment in the amount of \$48.33, made payable to:

Name:

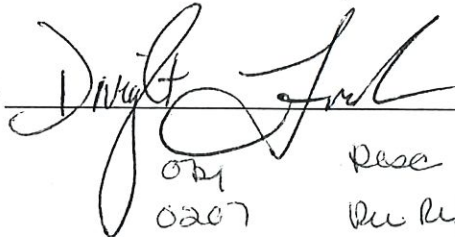
Organization: GSI Water Solutions Inc.
Address: 147 SW Shevlin Hixon Drive Suite 201
City: Bend, OR. 97702

These funds are being paid or refunded as a result of (check one):

- Request for file to be Rejected/Withdrawn/Misfiled
- Excess fees were collected for application/PON
- Payment of PON
- Protest filing fee
- Other: Over payment of news notice

I have reviewed this distribution request and have determined the request to be justified as to the purpose indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: _____



Date: _____

7-2-15

PCA
46117

ORA
0207

Resc

Rec by Rept # 115585 T-11894



Oregon

Kate Brown, Governor

Water Resources Department

North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

July 2, 2015

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

REFERENCE: Transfer Application T-11894

Enclosed is a copy of the final order approving your water right transfer application.

The time allowed to complete the transfer is specified in the final order. **YOU SHOULD GIVE PARTICULAR ATTENTION TO THE TIME LIMIT.** The water right for any portion of the authorized change in character of use or change in place of use **NOT** carried out within the time allowed will be lost.

An extension of the time limit can be allowed only upon a showing that diligent effort has been made to complete the actual change(s) within the time allowed.

You are required to hire a Certified Water Rights Examiner (CWRE) to complete a Claim of Beneficial Use report and map which must be submitted to this Department within one year of the date you complete the change(s) or within one year of the completion date authorized in the transfer final order, whichever occurs first.

If you have any questions related to the approval of this transfer, you may contact your caseworker, Joan Smith, by telephone at (503) 986-0892 or by e-mail at Joan.M.Smith@ wrd.state.or.us.

Sincerely,

Bethanie Williamson
Water Right Services Support

cc: Brian M. Mayer, Watermaster Dist. #12 (via email)
Bruce Brody-heine, Agent

Enclosure



**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application)	FINAL ORDER APPROVING
T-11894, Lake County)	ADDITIONAL POINTS OF
)	APPROPRIATION

Authority

Oregon Revised Statute (ORS) 537.705 and 540.505 to 540.580 establish the process in which a water right holder may submit a request to transfer the point of appropriation, place of use, or character of use authorized under an existing water right. Oregon Administrative Rule (OAR) Chapter 690, Division 380 implements the statutes and provides the Department’s procedures and criteria for evaluating transfer applications.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

Findings of Fact

1. On September 26, 2014, COLAHAN ENTERPRISES filed an application for additional points of appropriation under Certificates 89355 and 89546. The Department assigned the application number T-11894.
2. Notice of the application for transfer was published on October 14, 2014, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.
3. On May 4, 2015, the Department issued a Preliminary Determination proposing to approve Transfer T-11894 and mailed a copy to the applicant. Additionally, notice of the Preliminary Determination for the transfer application was published on the Department’s weekly notice on May 12, 2015 and in the Lake County Examiner newspaper on May 20 and 27, 2015 pursuant to ORS 540.520 and OAR 690-380-4020. No protests were filed in response to the notice.
4. On March 23, 2015, the Department mailed a copy of the draft Preliminary Determination proposing to approve Transfer Application T-11894 to the applicant. The draft Preliminary Determination cover letter set forth a deadline of April 24, 2015, for the applicant to respond. The applicants Agent requested that the Department proceed with issuance of a Preliminary Determination and provided the necessary information to demonstrate that the applicant is authorized to pursue the transfer.

This final order is subject to judicial review by the Court of Appeals under ORS 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482(1). Pursuant to ORS 536.075 and OAR 137-003-0675, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

5. On February 25, 2015, the Department contacted the applicant's agent requesting clarification of the well locations, on March 2, 2015; the applicant's agent sent revised well location measurements and a new application map.

6. The first right to be transferred is as follows:

Certificate: 89355 in the name of ROSS A. COLAHAN (perfected under Permit G-10059)
Use: SUPPLEMENTAL IRRIGATION of 80.6 ACRES
Priority Date: APRIL 19, 1983
Rate: 1.01 CUBIC FEET PER SECOND
Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.
Source: A WELL within the GOOSE AND SUMMER LAKE BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1- 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
Total					80.6

7. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from (LAKE 1627, 4448) the existing point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Existing POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	174 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.50 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

8. The second right to be transferred is as follows:

Certificate: 89546 in the name of ROSS H. AND DORIS COLAHAN (perfected under Permit G-9765)
Use: SUPPLEMENTAL IRRIGATION of 319.4 ACRES

Priority Date: APRIL 9, 1982

Rate: 2.90 CUBIC FEET PER SECOND

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL in the CHEWAUCAN RIVER BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1-1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
Total					319.4

9. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from the authorized point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Authorized POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	174 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.50 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

Transfer Review Criteria (OAR 690-380-4010)

10. Water has been used within the last five years prior to the submittal of Transfer Application T-11894 according to the terms and conditions of the rights. There is no information in the record that would demonstrate that the rights are subject to forfeiture under ORS 540.610.
11. A pump, pipeline, flood irrigation sites, and sprinkler system sufficient to use the full amount of water allowed under the existing rights were present within the five-year period prior to submittal of Transfer Application T-11894.
12. The proposed change as conditioned would not result in enlargement of the rights.
13. The proposed change as conditioned would not result in injury to other water rights.
14. All other application requirements are met.

Conclusions of Law

The additional points of appropriation proposed in Transfer Application T-11894 are consistent with the requirements of ORS 537.705 and 540.505 to 540.580 and OAR 690-380-5000.

Now, therefore, it is ORDERED:

1. The additional points of appropriation proposed in Transfer Application T-11894 are approved
2. The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 89355 and 85946 and any related decree.
3. Water right Certificates 89355 and 89546 are cancelled.
4. The quantity of water diverted at the additional points of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.
5. Water use measurement and reporting conditions:
 - a. Before water use may begin under this order, the water user shall install a totalizing and instant read flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation new and existing.
 - b. The water user shall maintain the meters or measuring devices in good working order.
 - c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.
 - d. The water user shall maintain a record of all water used each month, including the total number of hours of pumping, the total quantity pumped, and the categories of beneficial use to which the water is applied. The record of use shall be submitted to

the Department annually, or more frequently as may be required by the Director, and shall be submitted to the Watermaster upon request.

6. Water shall be acquired from the same aquifer (water source) as the original point of appropriation.
7. Prior to using water from any well listed on this application, the water user shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID) which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.
8. Wells with pumps shall be equipped with a minimum $\frac{3}{4}$ -inch diameter, unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200. If a pump has been installed prior to the issuance of this permit and if static, water levels and pumping levels can be measured using an electrical tape, then the installation of the measuring tube can be delayed until such time that water levels cannot be measured or the pump is repaired or replaced.
9. The proposed additional point of appropriation well (LAKE 1628) original, Little Hot Well (LAKE 1626) deepening shall be reconstructed to meet current well construction standards prior to use. The well reconstruction shall be approved by both Departments Well Construction and Compliance section staff and Department Groundwater section hydrologist staff both located at Department headquarters.
10. Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2016**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.
11. After satisfactory proof of beneficial use is received, a new certificate confirming the rights transferred will be issued.

Dated at Salem, Oregon this 2 day of July 2015.


Dwight French, Water Right Services Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Mailing date: JUL 06 2015

Water Right Transfer Cover Sheet

Transfer T-11894

Transfer Specialist: Jean

Transfer Type: Regular

Applicant Name/Address: COLAHAN ENTERPRISES ATTN ERIN DOUGLAS PO BOX 300 PAISLEY, OR 97636	Agent Name/Address: BRUCE BRODY-HEINE 147 SW SHEVLIN HIXON DR SUITE 201 BEND, OR 97702	Rec Landowner Name/Address:
CWRE Name/Number:	Irr. District Name/Address:	Affected Gov'ts Name/Address: <u>Lake County</u>
Commentors: Name/Address:		Current Landowner Name/Address:

Water Rights Affected

Records Marked	Records Copied	App File No. or Decree Name	Permit No.	Certificate No.	RR/CR Needed	RR/CR Nos.
<input type="checkbox"/>	<input type="checkbox"/>	<u>G10931</u>	<u>G10059</u>	<u>89344</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/>	<input type="checkbox"/>	<u>G10683</u>	<u>G9765</u>	<u>89546</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/> Yes <input type="checkbox"/> No	

Key Dates & Initial Actions

Rec'd: <u>September 26, 2014</u>	Proposed Action(s): <u>additional point of appropriation</u>	
Fees Pd: <u>1800.00</u>	WM District: <u>12</u>	ODFW District:
Initial Notice: <u>October 14, 2014</u>	WM Review sent: <u>10/13/14</u>	ODFW Review sent:
Acknowledgement Letter Sent <input checked="" type="checkbox"/>		GW Review sent: <u>10/13/14</u>

Processing Dates & Actions

Deficiency Contacts: _____

DPD Mailed: _____

ODFW contact sheet sent with DPD, or N/A

WM measurement contact sheet sent, or N/A

PD Signed: 5-4-15

PD Weekly Notice: _____

Newspaper quote requested: _____

not required

Request for news \$ sent: _____

News \$ received: _____

Request to publish sent to newspaper: _____

Affidavit of publication received: _____

DPD Review (Optional)	PD Review (Salem)	Final Order Review (Salem)
Reviewer: <u>Sarah</u>	Reviewer: <u>Sarah</u>	Reviewer: <u>Sarah</u>
Date: <u>2-27-15</u>	Date: <u>5-4-15</u>	Date: <u>6-11-15</u>
Coordinator: _____	Coordinator: _____	Coordinator: _____
Date: _____	Date: _____	Date: _____

Comments/Special Issues:
new map on the way 2/26/15 - (email copy in file)
I will & dates on letter/DPD -

Special Order Volume: Vol 96 Pages 502-506 Final Order Signature Date: 7/2/15

Notice of FO email'd to processors _____

Affidavit of Publication

Refund
40³³

STATE OF OREGON,
County of Lake, } ss.

I, Matilda W. Flynn, being first duly sworn, depose and say that I am the

General Manager
Publisher, Editor or Business Manager

of the Lake County Examiner, a newspaper of general circulation printed and published at Lakeview in the aforesaid county and state, as defined by Chapter 193ORS, that

Notice of Preliminary Determination

T-11894

a printed copy of which is hereto annexed, was published in the entire issue of said newspaper for two (2) consecutive and successive weeks in the following issues

May 20, 2015, May 27, 2015

Matilda W. Flynn

Subscribed and sworn to before me this 4 day of June 2015.

Susan Harmon

Notary Public for Oregon

(My commission expires March 31, 2018)



Notice of Preliminary Determination for Water Right Transfer T-11894

T-11894 filed by Colahan Enterprises, PO Box 300 Paisley, OR 97636, proposes additional points of appropriation under Certificates 89355 and 89546. The rights allow a total of 3.91cfs from a well in Sec. 23, T33S, R18E, WM for supplemental irrigation in Sec. 23. The applicant proposes additional wells in Sec. 23, T33S, R18E, WM. The Water Resources Department proposes to approve the transfer, based on the requirements of ORS Chapter 540 and OAR 690-380-5000.

Any person may file, jointly or severally, a protest or standing statement within 30 days after the last date of newspaper publication of this notice, 05/27/2015. Call (503) 986-0807 to obtain additional information or a protest form. If no protests are filed, the Department will issue a final order consistent with the preliminary determination.

DATE OF FIRST PUBLICATION:
May 20, 2015

PUBLICATION DATES:
May 20, 2015
May 27, 2015
#4617

RECEIVED BY OWRD

JUN 08 2015

SALEM, OR

Transfer Preliminary Determinations

A Preliminary Determination provides the Department's conclusion as to whether a proposed change in place of use, point of diversion or appropriation, or character of use of an existing water right should be approved. Changes of water rights may be proposed in an application for transfer (including instream, historic POD, exchange, substitution or ground water registration modification).

The Department has issued preliminary determinations on the transfer applications listed below. In addition to this notice, the Department is complying with ORS 540.520(2) that requires publication of notice in a local newspaper for all transfers except those proposing a change in place of use only or a change in point of diversion of less than ¼ mile where there are no intervening diversion points.

Any person may protest the application and preliminary determination or may file a standing statement. Pursuant to OAR 690-380-4030(3) and OAR 690-382-0900, protests must raise all reasonably ascertainable issues and include all reasonably available arguments supporting the person's position. In addition, protests must be accompanied by a \$700 protest fee for non-applicant and \$350.00 protest fee for applicant. A Water Right Transfer Protest Form is available at <http://www.oregon.gov/OWRD/PUBS/forms.shtml> or by calling 503-986-0888. Protests must be received by the Department on or before June 11, 2015, or within 30 days of the last date of publication in a newspaper, whichever is later. If no protests are filed, the Department will issue a final order consistent with the preliminary determination.

T-11894 filed by Colahan Enterprises, PO Box 300 Paisley, OR 97636, proposes additional points of appropriation under Certificates 89355 and 89546. The rights allow a total of 3.91cfs from a well in Sec. 23, T33S, R18E, WM for supplemental irrigation in Sec. 23. The applicant proposes additional wells in Sec. 23, T33S, R18E, WM. The Water Resources Department proposes to approve the transfer, based on the requirements of ORS Chapter 540 and OAR 690-380-5000.

T-11843 filed by Steve and Patricia Malcom, 70831 Schroeder Road, Pendleton, OR 97801 and James Malcom, 560 NW 21st Street, Pendleton, OR 97801, proposes a change in points of appropriation under Certificate 46732. The right allows the use of 0.089 cubic foot per second from a well in Sec. 3, T1N, R32E, WM for irrigation in Sec. 3. The applicants propose to change the point of appropriation to two wells within Sec. 3, T1N, R32E, WM. The Water Resources Department has concluded that the proposed transfer appears to be consistent with the requirements of ORS Chapter 540 and OAR 690-380-5000.

T-11836 filed by White Deer Ranch; Ulupalukua Ranch, PO Box 901 Kula, HI 96790, proposes a place of use change under Certificates 80854 and 80855. Certificate 80854 allows the use of 1.99 cfs from the Crooked River and Prineville Reservoir in Sec. 8, T15S, R16 E, Sec. 1, T16S, R15 E, and Sec. 11, T17S, R16 E WM for irrigation in Sec. 13, T15S, R15 E, and Sec. 18, T15S, R16 E WM and for supplemental irrigation in Sects. 13 and 24, T15S, R15 E, and Sects. 18 and 19, T15S, R16 E, WM. The applicant proposes to change the place of use to Sects. 13, 24 and 25, T15S, R15 E, and Sects. 19 and 30, T15S, R16 E, WM. Certificate 80855 allows the use of 0.81 cfs from the Crooked River in Sec. 8, T15S, R16 E, and Sec. 1, T16S, R15 E, WM for irrigation in Sects. 13 and 24, T15S, R15 E, and Sects. 18 and 19, T15S, R16 E WM. The applicant proposes to change the place of use to Sects. 13, 24 and 25, T15S, R15 E, and Sec. 19, T15S, R16 E, WM.



Oregon

Kate Brown, Governor

Water Resources Department

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

May 4, 2015

VIA E-MAIL

COLAHAN ENTERPRISES

PO BOX 300

PAISLEY, OR 97636

SUBJECT: Water Right Transfer Application T-11894

Please find enclosed the Preliminary Determination indicating that, based on the information available, the Department intends to approve application T-11894. This document is an intermediate step in the approval process; water may not be used legally as proposed in the transfer application until a Final Order has been issued by the Department. Please read this entire letter carefully to determine your responsibility for additional action.

A public notice is being published in the Department's weekly publication and in the **Lake County Examiner** newspaper, simultaneously with issuance of the Preliminary Determination. The notice initiates a period in which any person may file either a protest opposing the decision proposed by the Department in the Preliminary Determination or a standing statement supporting the Department's decision. The protest period will end 30 days after the last date of newspaper publication.

If no protest is filed, the Department will issue a Final Order consistent with the Preliminary Determination. You should receive a copy of the Final Order about 30 days after the close of the protest period.

If a protest is filed, the application may be referred to a contested case proceeding. A contested case provides an opportunity for the proponents and opponents of the decision proposed in the Preliminary Determination to present information and arguments supporting their position in a quasi-judicial proceeding.

Please do not hesitate to contact me at 503-986-0892 or Joan.M.Smith@ wrd.state.or.us if I may be of assistance.

Sincerely,

Joan Smith

Transfer Specialist

Transfer and Conservation Section

cc: T-11894

Brian M. Mayer, District 12 Watermaster (*via e-mail*)

Bruce Brody-Heine, Agent for the applicant (*via e-mail*)

encs

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application)
T-11894, Lake County)
)
)

PRELIMINARY DETERMINATION
PROPOSING APPROVAL OF
ADDITIONAL POINTS OF
APPROPRIATION

Authority

Oregon Revised Statute (ORS) 537.705 and 540.505 to 540.580 establish the process in which a water right holder may submit a request to transfer the point of appropriation, place of use, or character of use authorized under an existing water right. Oregon Administrative Rule (OAR) Chapter 690, Division 380 implements the statutes and provides the Department’s procedures and criteria for evaluating transfer applications.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

Findings of Fact

1. On September 26, 2014, COLAHAN ENTERPRISES filed an application for additional points of appropriation under Certificates 89355 and 89546. The Department assigned the application number T-11894.
2. Notice of the application for transfer was published on October 14, 2014, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.
3. On March 23, 2015, the Department mailed a copy of the draft Preliminary Determination proposing to approve Transfer Application T-11894 to the applicant. The draft Preliminary Determination cover letter set forth a deadline of April 24, 2015, for the applicant to respond. The applicants Agent requested that the Department proceed with issuance of a Preliminary Determination and provided the necessary information to demonstrate that the applicant is authorized to pursue the transfer.
4. On February 25, 2015, the Department contacted the applicant’s agent requesting clarification of the well locations, on March 2, 2015; the applicant’s agent sent revised well location measurements and a new application map.
5. The first right to be transferred is as follows:

Certificate: 89355 in the name of ROSS A. COLAHAN (perfected under Permit G-10059)

Pursuant to OAR 690-380-4030, any person may file a protest or standing statement within 30 days after the last date of publication of notice of this preliminary determination.

Use: SUPPLEMENTAL IRRIGATION of 80.6 ACRES
Priority Date: APRIL 19, 1983
Rate: 1.01 CUBIC FEET PER SECOND
Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.
Source: A WELL within the GOOSE AND SUMMER LAKE BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1- 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
Total					80.6

6. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from (LAKE 1627, 4448) the existing point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Existing POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	174 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.50 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

7. The second right to be transferred is as follows:

Certificate: 89546 in the name of ROSS H. AND DORIS COLAHAN (perfected under Permit G-9765)
Use: SUPPLEMENTAL IRRIGATION of 319.4 ACRES
Priority Date: APRIL 9, 1982
Rate: 2.90 CUBIC FEET PER SECOND
Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to

exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL in the CHEWAUCAN RIVER BASIN

Authorized Point of Appropriation:

Twtp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1-1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twtp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
Total					319.4

8. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from the authorized point of appropriation(POA) to:

Twtp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Authorized POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	174 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.50 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

Transfer Review Criteria (OAR 690-380-4010)

9. Water has been used within the last five years prior to the submittal of Transfer Application T-11894 according to the terms and conditions of the rights. There is no information in the record that would demonstrate that the rights are subject to forfeiture under ORS 540.610.
10. A pump, pipeline, flood irrigation sites, and sprinkler system sufficient to use the full amount of water allowed under the existing rights were present within the five-year period prior to submittal of Transfer Application T-11894.

11. The proposed change as conditioned would not result in enlargement of the rights.
12. The proposed change as conditioned would not result in injury to other water rights.
13. All other application requirements are met.

Determination and Proposed Action

The additional points of appropriation proposed in Transfer Application T-11894 appear to be consistent with the requirements of ORS 537.705 and 540.505 to 540.580 and OAR 690-380-5000. If protests are not filed pursuant to OAR 690-380-4030, the application will be approved.

If Transfer Application T-11894 is approved, the final order will include the following:

1. *The additional points of appropriation proposed in Transfer Application T-11894 are approved*
2. *The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 89355 and 85946 and any related decree.*
3. *Water right Certificates 89355 and 89546 are cancelled.*
4. *The quantity of water diverted at the additional points of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.*
5. *Water use measurement and reporting conditions:*
 - a. *Before water use may begin under this order, the water user shall install a totalizing and instant read flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation new and existing.*
 - b. *The water user shall maintain the meters or measuring devices in good working order.*
 - c. *The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.*
 - d. *The water user shall maintain a record of all water used each month, including the total number of hours of pumping, the total quantity pumped, and the categories of beneficial use to which the water is applied. The record of use shall be submitted to the Department annually, or more frequently as may be required by the Director, and shall be submitted to the Watermaster upon request.*
6. *Water shall be acquired from the same aquifer (water source) as the original point of appropriation.*
7. *Prior to using water from any well listed on this application, the water user shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID) which shall be permanently attached to the well. The Well ID shall be used as a reference in any*

correspondence regarding the well, including any reports of water use, water level, or pump test data.

8. Wells with pumps shall be equipped with a minimum 3/4-inch diameter, unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200. If a pump has been installed prior to the issuance of this permit and if static, water levels and pumping levels can be measured using an electrical tape, then the installation of the measuring tube can be delayed until such time that water levels cannot be measured or the pump is repaired or replaced.
9. The proposed additional point of appropriation well (LAKE 1628) original, Little Hot Well (LAKE 1626) deepening shall be reconstructed to meet current well construction standards prior to use. The well reconstruction shall be approved by both Departments Well Construction and Compliance section staff and Department Groundwater section hydrologist staff both located at Department headquarters.
10. Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2016**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.
11. After satisfactory proof of beneficial use is received, a new certificate confirming the rights transferred will be issued.

Dated at Salem, Oregon this 4 day of MAY 2015.



Dwight French, Water Right Services Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Protests should be addressed to the attention of Water Rights Division, Water Resources Department, 725 Summer St. NE, Suite A, Salem, OR 97301-1266.

This Preliminary Determination was prepared by Joan Smith. If you have any questions about the information in this document, you may reach me at 503-986-0892 or Joan.M.SMITH@wrds.state.or.us

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **115585**

INVOICE # _____

RECEIVED FROM: GSI Water Solutions Inc.

APPLICATION	
PERMIT	
TRANSFER	T-11894

CASH: _____ CHECK:# 16948 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 174.40

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	<u>46117</u>	\$
<u>0207</u> OTHER:	(IDENTIFY) <u>Newspaper Notice</u>	\$ <u>174.40</u>
0243 I/S Lease _____	0244 Muni Water Mgmt. Plan _____	0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES		\$
0410 RESEARCH FEES		\$
0408 MISC REVENUE: (IDENTIFY) _____		\$
TC162 DEPOSIT LIAB. (IDENTIFY) _____		\$
0240 EXTENSION OF TIME		\$

WATER RIGHTS:

	EXAM FEE		RECORD FEE
0201 SURFACE WATER	\$	0202	\$
0203 GROUND WATER	\$	0204	\$
0205 TRANSFER	\$		

WELL CONSTRUCTION

	EXAM FEE		LICENSE FEE
0218 WELL DRILL CONSTRUCTOR	\$	0219	\$
LANDOWNER'S PERMIT		0220	\$
OTHER (IDENTIFY) _____			

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #	
0210 MONITORING WELLS	\$	CARD #	
OTHER (IDENTIFY) _____			

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD)		\$
0231 HYDRO LICENSE FEE (FW/WRD)		\$
HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND _____ TITLE _____
 OBJ. CODE _____ VENDOR # _____
 DESCRIPTION _____ \$ _____

RECEIPT: **115585**

DATED: 4/20/15 BY: Main Adm

Check Date: 4/15/2015

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
for T-11894 Notice	4/13/2015	0008472	174.40			174.40
Oregon Water Resources Department			TOTAL	174.40		174.40
Key Bank 8460 - GSI Water 1		245				

RECEIVED BY OWRD

APR 20 2015

SALEM, OR

Attached is a check for **\$174.40 (PCA #46117)** for Newspaper Notice for Transfer T-11894

- made out to Oregon Water Resources Department (or WRD)
- **“for T-11894-NOTICE” written on front of check**

Mail to: Oregon Water Resources Department
 725 Summer St. NE, Suite A
 Salem, OR 97301-1266

RECEIVED BY OWRD

APR 20 2015

SALEM, OR

PORTLAND OR 972

16 APR 2015 PM 9 L



97301\$1266



**Notice of Preliminary Determination for
Water Right Transfer T-11894**

T-11894 filed by Colahan Enterprises, PO Box 300 Paisley, OR 97636, proposes additional points of appropriation under Certificates 89355 and 89546. The rights allow a total of 3.91cfs from a well in Sec 23, T33S, R18E, WM for supplemental irrigation in Sec 23. The applicant proposes additional wells in Sec23, T33S, R18E, WM. The Water Resources Department proposes to approve the transfer, based on the requirements of ORS Chapter 540 and OAR 690-380-5000.

Any person may file, jointly or severally, a protest or standing statement within 30 days after the last date of newspaper publication of this notice, MM/DD/YEAR. Call (503) 986-0807 to obtain additional information or a protest form. If no protests are filed, the Department will issue a final order consistent with the preliminary determination.

64775

Codi -

We will have to
revert T-11214 to
get a cert for this
transfer. Do not
Publish rec'd notice until
we get the cert issued.

Thank!
Kelly

*entered T# did not enter/push cert
until new cert issued.

- 89546

File Prep

CW		CW	
<input checked="" type="checkbox"/>	File Assigned (computer entry)	<input type="checkbox"/>	Print Tax Lot Map(s)/Ownership info if available on the web
<input checked="" type="checkbox"/>	Make Copies App, Map, GW review, (WM Review, ODFW to send to applicant later) Affidavits if applicable	<input type="checkbox"/>	Print: Certs, WR maps, (Tabulations, Sp Or, Air Photos or other helpful info to aid in processing)
<input checked="" type="checkbox"/>	Bundle Originals with cover sheet	<input checked="" type="checkbox"/>	Check Area of Interest – print if needed
<input checked="" type="checkbox"/>	Check for any public comments submitted electronically. Print any comments received.	<input checked="" type="checkbox"/>	Any irrigation districts that need notice based on Area of Interest Check. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Note:

APPLICATION/MAP REVIEW

PR	CW		PR	CW	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Appropriately signed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ditch Company, Irr. Dist. and/or BOR sent copies
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Checked WRIS contact address/e-mail for accuracy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Appropriate Fees Paid
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Revisit application checklist & Supporting Docs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overpayment of Fees, Refund Request with FO
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Any deficiencies that need to be addressed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Notes: <i>Via email APOA loc.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Land Use Form matches Tax Lots, is signed by proper official and is APPROVED

DETERMINING THE "FROM" AND "TO" LANDS

PR	CW		PR	CW	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>APOA's - Not POU A</i> Only the authorized POD's/POA's and POU's to be transferred are listed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Application & certificate tabulations match. <i>(Mark on appl. and cert. copies and note corrections needed)</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marked on certificate the acreage being transferred, cancelled and remaining by 1/4 1/4. <i>APOA only</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marked on certificate the quantity of water being transferred, cancelled, and remaining
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Compare Water Right map to App Map for Accuracy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Check and notate on Plat Card for Conflicts (To and From Lands) N/A if no change in POU or Use

INJURY REVIEWS/COMMENTS/CONDITIONS

PR	CW						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	ODFW	<input type="checkbox"/>	Fish Screens	<input type="checkbox"/>	Other:	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ground water	<i>Condituris</i>				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Watermaster	<input type="checkbox"/>	Headgate	<input type="checkbox"/>	Prior to diverting	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Measuring Devices	<input type="checkbox"/>	Prior to diverting	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Injury	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Conditions to Avoid Enlargement/Injury	<i>Yes</i>				

DPD PD FO COV DPD/PD/ FINAL ORDER/COVER LETTER

PR	CW	PR	CW	PR	CW	PR	CW	
<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	UPDATE WRIS APPS FOLDER (FIELD STAFF ONLY)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Check tenses ex...Find & Replace point(s), Right(s) Meter(s), Device(s) Is/Are, Was/Were
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct address? Add Agent, Receiving Landowner if applicable etc...
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Compare "from lands" with marked up Certificate
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Compare Authorized POD(s)/POA(s) with marked up Certificate
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add Watermaster conditions (send copy of review to applicant if applicable)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add Ground water conditions
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ODFW recommendations (send copy of review to applicant if applicable)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hidden findings unveiled?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add any cancellation language or special situations
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attach supporting documents to cover letter if applicable

OWNERSHIP VERIFICATION

PR	CW		PR	CW	
<input type="checkbox"/>	<input type="checkbox"/>	The deed/ROI matches the <u>"from"</u> lands.	<input type="checkbox"/>	<input type="checkbox"/>	Notarized, signed statement of consent (if applicable)
<input type="checkbox"/>	<input type="checkbox"/>	All owners on the deed/ROI have signed the application.	<input type="checkbox"/>	<input type="checkbox"/>	Compare with current tax lot map.
PR	CW	PD PUBLIC NOTICE/NEWSPAPER NOTICE/COVER LETTER			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	UPDATE WRIS APPS FOLDER (FIELD STAFF ONLY)			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check tenses ex...Find & Replace point(s), Right(s) Meter(s), Device(s) Is/Are, Was/Were			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Format matches current template			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Content matches PD info?			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Spell checked?			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Correct address?			
<input type="checkbox"/>	<input type="checkbox"/>	Cost Estimate for Newspaper if applicable send email to support staff <input type="checkbox"/> 2 weeks <input type="checkbox"/> three weeks			
<input type="checkbox"/>	<input type="checkbox"/>	Send Letter to Applicant/Agent regarding newspaper notice cost			
<input type="checkbox"/>	<input type="checkbox"/>	Have funds been received from Applicant/Agent for newspaper costs?			
PR	CW	<i>NA</i> REMAINING RIGHT CERTIFICATE			
<input type="checkbox"/>	<input type="checkbox"/>	UPDATE WRIS APPS FOLDER (FIELD STAFF ONLY)			
<input type="checkbox"/>	<input type="checkbox"/>	Check tenses ex...Find & Replace point(s), Right(s) Meter(s), Device(s) Is/Are, Was/Were			
<input type="checkbox"/>	<input type="checkbox"/>	Table Format matches current template			
<input type="checkbox"/>	<input type="checkbox"/>	Content format matches original certificate			
<input type="checkbox"/>	<input type="checkbox"/>	Spell checked?			
<input type="checkbox"/>	<input type="checkbox"/>	Name and address matches originating certificate?			
CW	CASEWORKER WRAP UP				
<input type="checkbox"/>	Organize Working Docs For Peer Review (Remove Duplicates)				
<input type="checkbox"/>	Update Computer entry (add postal confirmation receipt number and date file was mailed)				
<input type="checkbox"/>	Put file contents on Salem Exchange Folder				
<input type="checkbox"/>	Print e-mail and correspondence put it in order of the findings of PD (if applicable)				
<input type="checkbox"/>	Has Affidavit of Publication been received? <input type="checkbox"/> N/A <input type="checkbox"/> Yes--Date for FO: _____ <input type="checkbox"/> No—have Codi call newspaper				

Record Keeping: DPD Mailed (Date) _____ PD Mailed (Date) _____

COMMENTS:

T-11894

SMITH Joan M

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Tuesday, April 21, 2015 8:59 AM
To: SMITH Joan M
Cc: MAYER Brian M; lizzymongo@hotmail.com; Lynn Culp
Subject: RE: Transfer T-11894
Attachments: Title Report Colahan Property T11894.pdf

Hi Joan,
Attached is the report of land ownership report for Colahan Transfer T-11894.
Please let me know if this satisfies the requirements, or if more information is needed.

OWRD should have also received the payment for the newspaper notice. Again let me know if there is anything else needed for moving the notice forward.

Thanks for your help.
Bruce



Bruce Brody-Heine, RG, CWRE | Senior Hydrogeologist
direct: (541) 678-5117 x 141 | mobile: (541) 390-0591
147 SW Shevlin Hixon Dr, Suite 201, Bend, OR 97702
bbheine@gsiws.com | <http://www.gsiwatersolutions.com>

From: SMITH Joan M [mailto:joan.m.smith@state.or.us]
Sent: Monday, March 23, 2015 10:35 AM
To: lizzymongo@hotmail.com
Cc: Bruce Brody-Heine; MAYER Brian M
Subject: Transfer T-11894

SUBJECT: Water Right Transfer Application T-11894

Your water right transfer is in one of three phases of processing. Enclosed is a draft of our Preliminary Determination regarding Transfer Application T-11894. The attached document reflects the Department's conclusion that, based on the information currently available, the transfer will be approved.

Items needed before the next phase of processing...

1. Please review the draft carefully to see if it accurately reflects the changes, you intend to make, and to become familiar with all proposed conditions. **You will need to respond in writing** by the deadline provided below, whether you agree with the proposed action and conditions. In addition, we will appreciate having you let us know if there are typographical errors that need to be corrected.
2. A report of landownership for the lands to which the water right(s) are appurtenant (the FROM lands) is required. **The report must be prepared by a title company and meet the criteria below.** (Reports may be called by various names, such as Customer Service Report, Property Analysis Report (PAR), List Pack, Lot Book Report, etc.)
 - a) The title company's report must either be:
 - i) prepared within 3 months of the draft Preliminary Determination showing current ownership, or
 - ii) prepared within 3 months of recording of a water right conveyance agreement, or

- iii) prepared at any time, but showing ownership at the time a water right conveyance agreement was recorded.
 - b) The ownership report shall include:
 - i) Date reflected by the ownership information
 - ii) List of owners at that time
 - iii) Legal description of the property where the water right to be transferred is currently located.
 - c) You will need to submit a notarized statement of consent from any landowner listed in the ownership report who is not already included in the transfer application, or other information such as a water right conveyance agreement, if applicable.
3. Notice of this transfer will need to be published in a local newspaper with general circulation in the area where the water rights are currently located. You will be responsible for the charges. Please indicate the local paper you prefer to publish in so we can get an accurate estimate of the cost.

Conditions to your water right...

The Watermaster has required water measurement devices at both the new points of appropriation and the original point prior to diversion of water. Enclosed is a contact information sheet to assist you in pursuing additional information or approval of the required (or alternate) devices.

Please note the proposed date by which all conditions must be met: October 1, 2016. If the required completion date is insufficient to comply with any of the conditions, you may extend the date at no cost to you during this stage of processing. Please let me know by the comment deadline so we can make the proper arrangements to get you the time you need.

What happens next...

Once the Preliminary Determination is issued, a publication period is required. Because there is more than ¼ mile between the new and the authorized points of appropriation, the Department will publish notice of the transfer in a local newspaper having a general circulation in the area of the water right at least once per week for two consecutive weeks. You are responsible for sending a check to cover the cost of publication prior to the issuance of the Preliminary Determination and publication of notice.

Issuance of the Preliminary Determination will occur shortly after we receive:

1. your written response to the conditions and proposed action in the draft Preliminary Determination (e-mail is acceptable); and
2. report of ownership, and affidavits of consent from any landowners shown in the ownership report who have not signed the transfer application; and
3. name of the newspaper you wish the Department to use for publication of the notice of the Preliminary Determination.

If we do not receive the items listed above by April 24, 2015, a Preliminary Determination may be issued denying the application as incomplete.

Please do not hesitate to contact me at 503-986-0892 or Joan.M.Smith@wrd.state.or.us if I may be of assistance.

Sincerely,

Joan Smith

Transfer Specialist
Transfer and Conservation Section

cc: Transfer Application file T-11894
Brian M. Mayer, District 12 Watermaster (*via e-mail*)
Bruce Brody-Heine, Agent for the applicant (*via e-mail*)

encs



405 First St. N, Lakeview, OR 97630
PHONE (541) 947-3019 FAX (541) 947-3283

To: Surprise Valley Electric
516 US 395 E
Alturas, CA 96101
Attn:

Date: April 20, 2015
Order No. 42440AM
Re: 90333 Mill Lane
Paisley, OR 97636

Your File No.:

We have enclosed our Preliminary Title Report pertaining to order number 42440AM:

Thank you for the opportunity to serve you. Your business is appreciated!

If you have any questions or need further assistance, please do not hesitate to contact your Title Officer listed below.

Sincerely,

Rose Carlson
Title Officer



405 First St. N, Lakeview, OR 97630
PHONE (541) 947-3019 FAX (541) 947-3283

STATUS OF RECORD TITLE

#2

Surprise Valley Electric
516 US 395 E
Alturas, CA 96101
Your Reference No.

April 20, 2015
Title Number: 42440AM
Title Officer: Rose Carlson
Fee: \$200.00

We have searched the status of record title as to the following described property:

In the County of Lake, State of Oregon:

PARCEL 1:

Township 33 South, Range 18 East of the Willamette Meridian,
Section 14: The SE $\frac{1}{4}$ of the SE $\frac{1}{4}$,

PARCEL 2:

Township 33 South, Range 18 East of the Willamette Meridian,
Section 23: The NE $\frac{1}{4}$; of the NW $\frac{1}{4}$;

PARCEL 3:

Township 33 South, Range 18 East of the Willamette Meridian,
Section 23: The NE $\frac{1}{4}$;
The SE $\frac{1}{4}$ of the NW $\frac{1}{4}$;
The N $\frac{1}{2}$ of the SW $\frac{1}{4}$;
The SE $\frac{1}{4}$ of the SW $\frac{1}{4}$,
The SW $\frac{1}{4}$ of the SE $\frac{1}{4}$, EXCEPTING THEREFROM A parcel of land conveyed to Irene A
Holbrook by deed recorded in Book 53 at Page 635, Lake County Deed Records, Oregon.

That Portion of the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 23, Township 33 South, Range 18 East of the Willamette Meridian, lying North of the ewaucan River, EXCEPTING THEREFROM that portion of said NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ contained in a deed from Northwest Townsite Company to Kittie Loveland recorded in Book 52 at Page 593, Lake County Deed Records, Oregon.

Section 24: The N $\frac{1}{2}$ of the NE $\frac{1}{4}$,
The SW $\frac{1}{4}$ of the NE $\frac{1}{4}$;
The NW $\frac{1}{4}$, EXCEPTING THEREFROM A tract of land conveyed to State of Oregon by deed recorded in Book 79 at age 395 of Lake County Deed Records, Oregon.

That portion of the NW¼ of the SW¼ of Section 24, Township 33 South, Range 18 East of the Willamette Meridian, lying North of the extension of Mill Street in Paisley, Oregon, EXCEPTING THEREFROM those tracts of land heretofore conveyed by Northwest Townsite Company, and its predecessors in interest recorded in Book 44 at Page 95, Book 51 at Page 352, Book 51 at Page 432, Book 51 at Page 549, Book 52 at Page 593, Book 53 at Page 147, Book 56 at page 504 and Book 62 at page 386, Lake County Deed Records, Oregon.

Section 26: The NW¼ of the NW¼

Vestee:

Colahan Enterprises, Inc.

and dated as of **April 13, 2015** at 7:30 a.m.

Said property is subject to the following on records matters:

Tax Information

Taxes assessed under Code No. 1102 Account No. 8565 Map No. 3318-1300

NOTE: The 2014-2015 Taxes: 1,686.61, Paid in Full

Taxes assessed under Code No. 1102 Account No. 16771 Map No. 3318-801

NOTE: The 2014-2015 Taxes: 65.97, Paid in Full

Taxes assessed under Code No. 1102 Account No. 16772 Map No. 3318-802

NOTE: The 2014-2015 Taxes: 186.39, Paid in Full

1. Agreement and the terms and conditions contained therein
Between: Colahan Enterprises Inc.
And: Surprise Valley Electrification Corp, a rural Electric Cooperative
Purpose: Geothermal Lease Agreement
Book: 275, Page: 209, Lake County Deed Records, Oregon.

Re-recorded: October 14, 2010

Book: 275, Page: 325, Lake County Deed Records, Oregon.

Re-recorded: November 3, 2010

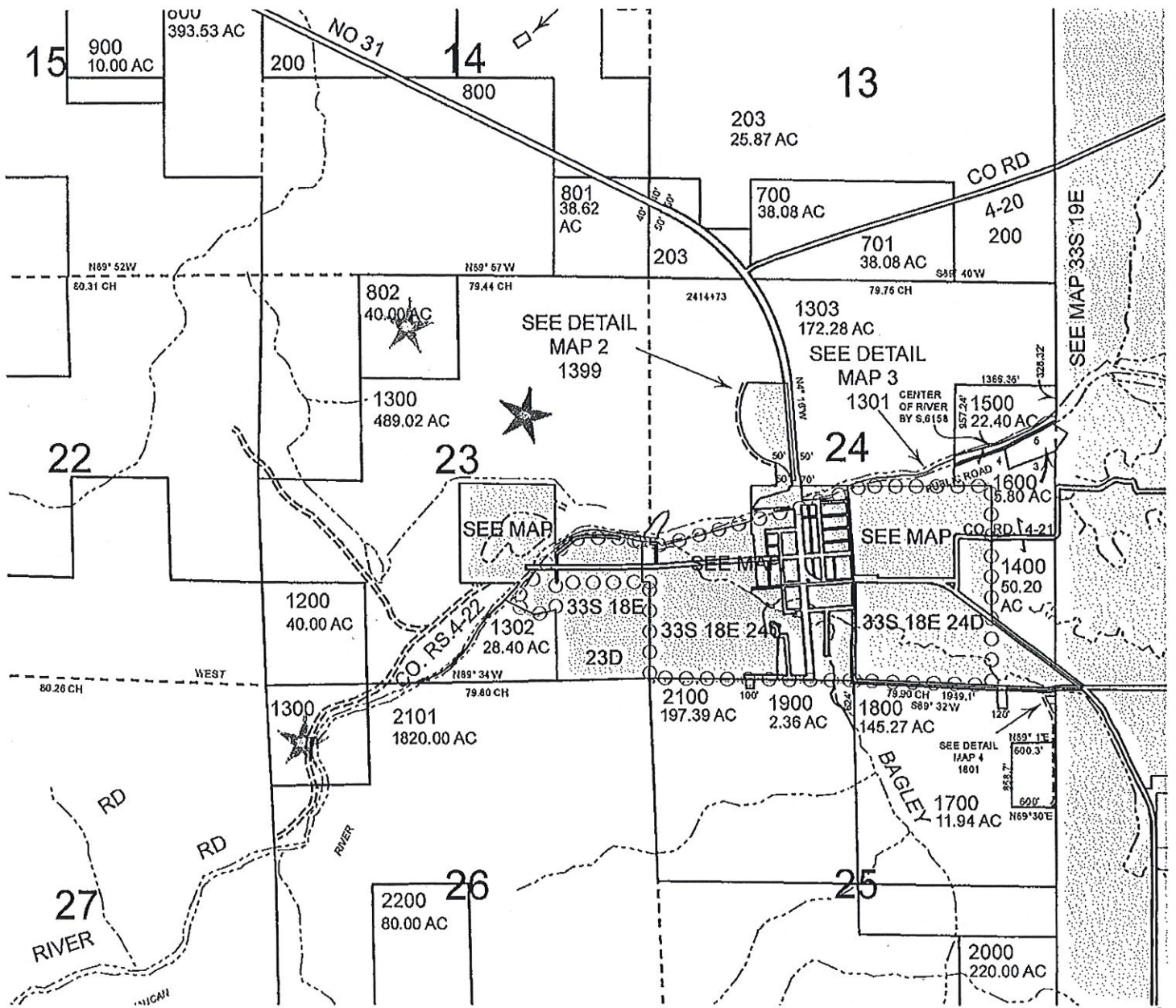
Book: 275, Page: 489, Lake County Deed Records, Oregon.

2. The herein described property, in part, is classified as either Class 2 or Class 3 forestland as documented by Order,
Recorded: November 2, 2011
Instrument No. 2011-001507

NOTE: Any map or sketch enclosed as an attachment herewith is furnished for information purposes only to assist in property location with reference to streets and other parcels. No representation is made as to accuracy and the company assumes no liability for any loss occurring by reason of reliance thereon.

THIS IS NOT A TITLE REPORT, A COMMITMENT TO ISSUE TITLE INSURANCE OR A GUARANTEE OF ANY KIND. No liability is assumed with this report. The fee charged for this service does not include supplemental reports or other services. Further dissemination of the information in this report in a form purporting to insure title to the herein described land is prohibited by law.

"Superior Service with Commitment and Respect for Customers and Employees"



AmeriTitle

THIS SKETCH IS MADE SOLELY FOR THE PURPOSE OF ASSISTING IN LOCATING CERTAIN PREMISES AND NO LIABILITY IS ASSUMED FOR VARIATIONS IF ANY, IN DIMENSIONS AND LOCATIONS ASCERTAINED BY ACTUAL SURVEY.





405 First St. N, Lakeview, OR 97630
PHONE (541) 947-3019 FAX (541) 947-3283

To: Surprise Valley Electric
516 US 395 E
Alturas, CA 96101
Attn:

Date: April 20, 2015
Order No. 42440AM
Re: 90333 Mill Lane
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PHONE (541) 947-3019 FAX (541) 947-3283

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Order No. 42440AM

Page 2

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Purpose: Geothermal Lease Agreement

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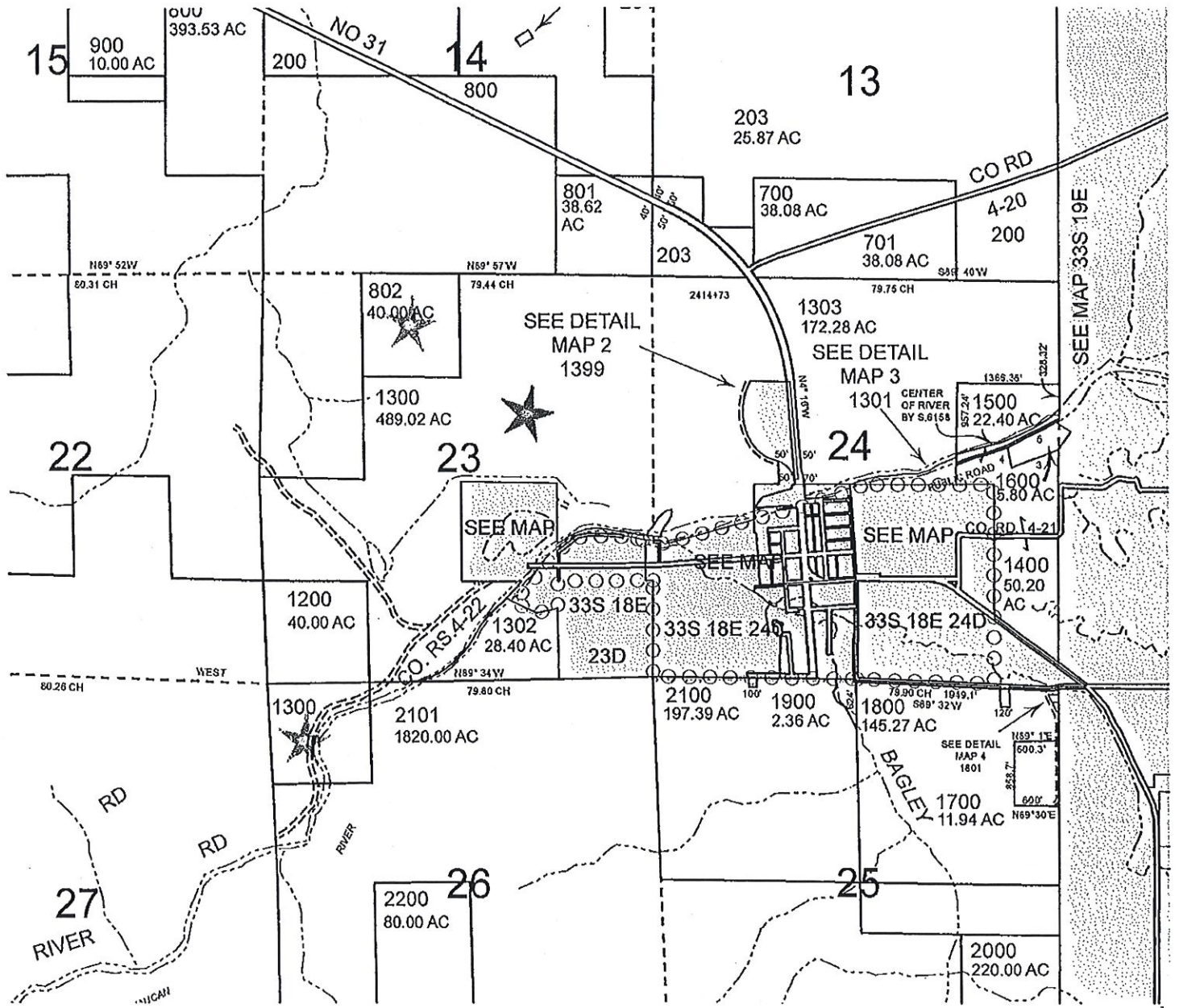
Recorded: November 2, 2011

Instrument No. 2011-001507

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"Superior Service with Commitment and Respect for Customers and Employees"



AmeriTitle

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SMITH Joan M

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Wednesday, April 01, 2015 5:08 PM
To: SMITH Joan M (joan.m.smith@state.or.us)
Cc: lynnsvec; Erin Douglas
Subject: RE: Transfer T-11894 - DPD reply

Hi Joan,

Based on your confirmation of the identified missing text (in the email below) in Condition 8, we do not have any comments or corrections to the DPD (with the exception of adding the missing text in Condition 8). After an email exchange with Jerry Grondin (OWRD hydrogeologist), the original condition in the DPD as written is extremely similar to his proposed modified versions of the condition, and therefore we would like to stay with the original/current language of this condition.

Other Required Information

Newspaper: The Lake County Examiner

Report of Ownership: Being order this week and will ship to you as soon as we receive it.

Please proceed forward with processing the application.

Thanks for your help.

Talk to you soon.

Bruce

From: Bruce Brody-Heine
Sent: Monday, March 30, 2015 10:52 AM
To: SMITH Joan M
Cc: MAYER Brian M; lynnsvec
Subject: RE: Transfer T-11894

Hi Joan,

After leaving you a phone message this morning regarding the potential missing language in the last sentence of Condition 8 in the T-11894 DPD, I ran across this same condition in another permit. Based on the language in this "other" permit it appears that the Condition 8 should read as follows (*text in red is the missing text*):

Wells with pumps shall be equipped with a minimum ¾-inch diameter, unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200. If a pump has been installed prior to the issuance of this permit and if static water levels and pumping levels can be measured using an electrical tape, then the installation of the measuring tube can be delayed until such time that the water levels cannot be measured or the pump is repaired or replaced.

Could you please verify that this is indeed the full wording of the this condition.

Thanks for the help.

Bruce



Bruce Brody-Heine, RG, CWRE | *Senior Hydrogeologist*
direct: (541) 678-5117 x 141 | mobile: (541) 390-0591
147 SW Shevlin Hixon Dr, Suite 201, Bend, OR 97702
bbheine@gsiws.com | <http://www.gsiwatersolutions.com>

From: SMITH Joan M [<mailto:joan.m.smith@state.or.us>]
Sent: Wednesday, March 25, 2015 3:47 PM
To: Bruce Brody-Heine
Cc: MAYER Brian M
Subject: RE: Transfer T-11894

Bruce, Brian Mayer will be able to assist you with any questions with regard to measuring devices. Brian's email address is

brian.m.mayer@wrdd.state.or.us

His phone number is 541-947-6038.

Joan Smith
Oregon Dept. of Water Resources
503-986-0892

From: Bruce Brody-Heine [<mailto:BBheine@gsiws.com>]
Sent: Wednesday, March 25, 2015 3:40 PM
To: SMITH Joan M
Cc: MAYER Brian M; lizzymongo@hotmail.com; lynnsvec
Subject: RE: Transfer T-11894

Hi Joan,
Thank you for sending the DPD. We are looking over the DPD this week and should have an official reply to you soon.

In the mean time I would like to ask you about the 3/4 inch access tube condition (condition # 8) and who I should speak to about this. There are 2 issues I would like to ask you about:

1. We understand to importance of measuring the water level in a wells, however the installation of access tubes in the geothermal wells poses a very real potential danger. A tube installed in these well would likely blow superheated steam when opened. As safe alternative to an access tube, SVEC currently has an airline installed in these wells that is being used for measuring water levels. We would like discuss with OWRD the wording of this condition and how to best comply with the goal but complete it more safely than the having an access tube.
2. The last several words in this access tube condition do not make much sense and I am wondering if they are a remnant or a partial sentence that was accidentally deleted.

Thanks for your help with these two minor issues. Again, we will provide a formal reply to your DPD after we discuss with the Colahan's but wanted to check in with you on this important question in the meantime.

Thanks for your help.

Bruce

From: SMITH Joan M [mailto:joan.m.smith@state.or.us]
Sent: Monday, March 23, 2015 10:35 AM
To: lizzymongo@hotmail.com
Cc: Bruce Brody-Heine; MAYER Brian M
Subject: Transfer T-11894

SUBJECT: Water Right Transfer Application T-11894

Your water right transfer is in one of three phases of processing. Enclosed is a draft of our Preliminary Determination regarding Transfer Application T-11894. The attached document reflects the Department's conclusion that, based on the information currently available, the transfer will be approved.

Items needed before the next phase of processing...

1. Please review the draft carefully to see if it accurately reflects the changes, you intend to make, and to become familiar with all proposed conditions. **You will need to respond in writing** by the deadline provided below, whether you agree with the proposed action and conditions. In addition, we will appreciate having you let us know if there are typographical errors that need to be corrected.
2. A report of landownership for the lands to which the water right(s) are appurtenant (the FROM lands) is required. **The report must be prepared by a title company and meet the criteria below.** (*Reports may be called by various names, such as Customer Service Report, Property Analysis Report (PAR), List Pack, Lot Book Report, etc.*)
 - a) The title company's report must either be:
 - i) prepared within 3 months of the draft Preliminary Determination showing current ownership, or
 - ii) prepared within 3 months of recording of a water right conveyance agreement, or
 - iii) prepared at any time, but showing ownership at the time a water right conveyance agreement was recorded.
 - b) The ownership report shall include:
 - i) Date reflected by the ownership information
 - ii) List of owners at that time
 - iii) Legal description of the property where the water right to be transferred is currently located.
 - c) You will need to submit a notarized statement of consent from any landowner listed in the ownership report who is not already included in the transfer application, or other information such as a water right conveyance agreement, if applicable.
3. Notice of this transfer will need to be published in a local newspaper with general circulation in the area where the water rights are currently located. You will be responsible for the charges. Please indicate the local paper you prefer to publish in so we can get an accurate estimate of the cost.

Conditions to your water right...

The Watermaster has required water measurement devices at both the new points of appropriation and the original point prior to diversion of water. Enclosed is a contact information sheet to assist you in pursuing additional information or approval of the required (or alternate) devices.

Please note the proposed date by which all conditions must be met: October 1, 2016. If the required completion date is insufficient to comply with any of the conditions, you may extend the date at no cost to you during this stage of processing. Please let me know by the comment deadline so we can make the proper arrangements to get you the time you need.

What happens next...

Once the Preliminary Determination is issued, a publication period is required. Because there is more than ¼ mile between the new and the authorized points of appropriation, the Department will publish notice of the transfer in a local newspaper having a general circulation in the area of the water right at least once per week for

two consecutive weeks. You are responsible for sending a check to cover the cost of publication prior to the issuance of the Preliminary Determination and publication of notice.

Issuance of the Preliminary Determination will occur shortly after we receive:

1. your written response to the conditions and proposed action in the draft Preliminary Determination (e-mail is acceptable); and
2. report of ownership, and affidavits of consent from any landowners shown in the ownership report who have not signed the transfer application; and
3. name of the newspaper you wish the Department to use for publication of the notice of the Preliminary Determination.

If we do not receive the items listed above by April 24, 2015, a Preliminary Determination may be issued denying the application as incomplete.

Please do not hesitate to contact me at 503-986-0892 or Joan.M.Smith@wrd.state.or.us if I may be of assistance.

Sincerely,

Joan Smith

Transfer Specialist
Transfer and Conservation Section

cc: Transfer Application file T-11894
Brian M. Mayer, District 12 Watermaster (*via e-mail*)
Bruce Brody-Heine, Agent for the applicant (*via e-mail*)

encs

SMITH Joan M

From: Kris Ward <krisw@fmtc.com>
Sent: Monday, April 20, 2015 9:39 AM
To: SMITH Joan M
Subject: Transfer Application T-11958

Good Morning Joan,
Please let me apologize for taking so long:/ Jay is considering option 3: Cancel the 0.43 acre of supplemental not cost to cancel. Does that mean that the primary can stay where it has been moved to and can we move the supplement to a like certificate number?
Thank you,
Kris

SMITH Joan M

From: SMITH Joan M
Sent: Friday, March 20, 2015 8:59 AM
To: 'Kris Ward'
Subject: RE: Transfer Application T-11958

Thank you, I'm here if you have questions.

Joan Smith
Oregon Dept. of Water Resources
503-986-0892

From: Kris Ward [<mailto:krisw@fmtc.com>]
Sent: Friday, March 20, 2015 8:58 AM
To: SMITH Joan M
Subject: Re: Transfer Application T-11958

Sorry for the delay:(i have not found time to catch up with Jay on what his opinion would be on this situation. We have talked briefly. He should be in next week and i will get an answer from him.
Thank you:)
Kris

From: "SMITH Joan M" <joan.m.smith@state.or.us>
To: krisw@fmtc.com
Sent: Wednesday, March 18, 2015 4:11:07 PM
Subject: Transfer Application T-11958

Hi Kris, just checking to see if a decision had been made with regard to T-11958.
Let me know if you need more information or if there is anything I can help with.

Have a great afternoon,

WRD
Joan Smith
503-986-0892

From: SMITH Joan M
Sent: Tuesday, February 24, 2015 9:01 AM
To: 'krisw@fmtc.com'
Cc: DOUTHIT Susan M
Subject: Transfer Application T-11958

Kris, regarding the Supplemental portion 0.43 acre which we discussed I have outlined a few options and the costs involved below.

Certificate 75708- 0.43 acre Supplemental Irrigation –

Option 1. Add the additional right to the application for a cost of \$450.00

Option 2. Add the additional right to the application and move to a "like" Primary (with the understanding that the POD may not be able to serve the lands) cost of \$450.00.

Option 3. Cancel the 0.43 acre of supplemental no cost to cancel.

Option 4. Remove the 0.43 acre of Primary and Supplemental from the application. (Maybe add to a future Transfer) No cost to remove from the application.

These are some options I came up with, please let me know if you need more details or anything.

It's nice and sunny in the valley this morning I hope you are enjoying fine weather too.

I will talk to you soon.

Joan Smith

Joan M Smith
Transfer Specialist
Oregon Department of Water Resources
725 Summer St NE Suite A
Salem Oregon 97301
phone 503-986-0892

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.



Water Solutions, Inc.

February 26, 2015

Joan Smith
Transfer Specialist
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application for Water Right Transfer T-11894
Well Location Corrections

Dear Joan,

Please find enclosed two replacement pages for the Transfer Application T-11894 submitted on behalf of Colahan Enterprises. The attached pages include page 7 of the application with the well locations in Table 1 revised, and an updated transfer application map that has been stamped and signed.

Please do not hesitate to call if you have any questions or need additional information. I can be reached at phone number 541.678.5117 x141 or by email at bbheine@gsiws.com.

Sincerely,

A handwritten signature in blue ink that reads "Bruce Brody-Heine".

Bruce Brody-Heine
GSI Water Solutions, Inc.

Enclosures

RECEIVED BY OWRD

MAR 02 2015

SALEM, OR

Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

RECEIVED BY OWRD

CERTIFICATE # 89355

Description of Water Delivery System

MAR 02 2015

System capacity: 1.01 cubic feet per second (cfs) OR

SALEM, OR

_____ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
(Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Hot Well)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LAKE 1627, 4448	33	S	18	E	23	NW	SW	1300	1680' N and 1240' E from the SW corner of Section 23.
SVE 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52530	33	S	18	E	23	NW	SW	1300	1853' N and 1208' E from the SW corner of Section 23.
SVE 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52529	33	S	18	E	23	SW	NE	1300	2665' N and 1725' W from the SE corner of Section 23.
Little Hot Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 1628, 1626	33	S	18	E	23	SW	NE	1300	347' N and 1386' W from the E 1/4 corner of Section 23

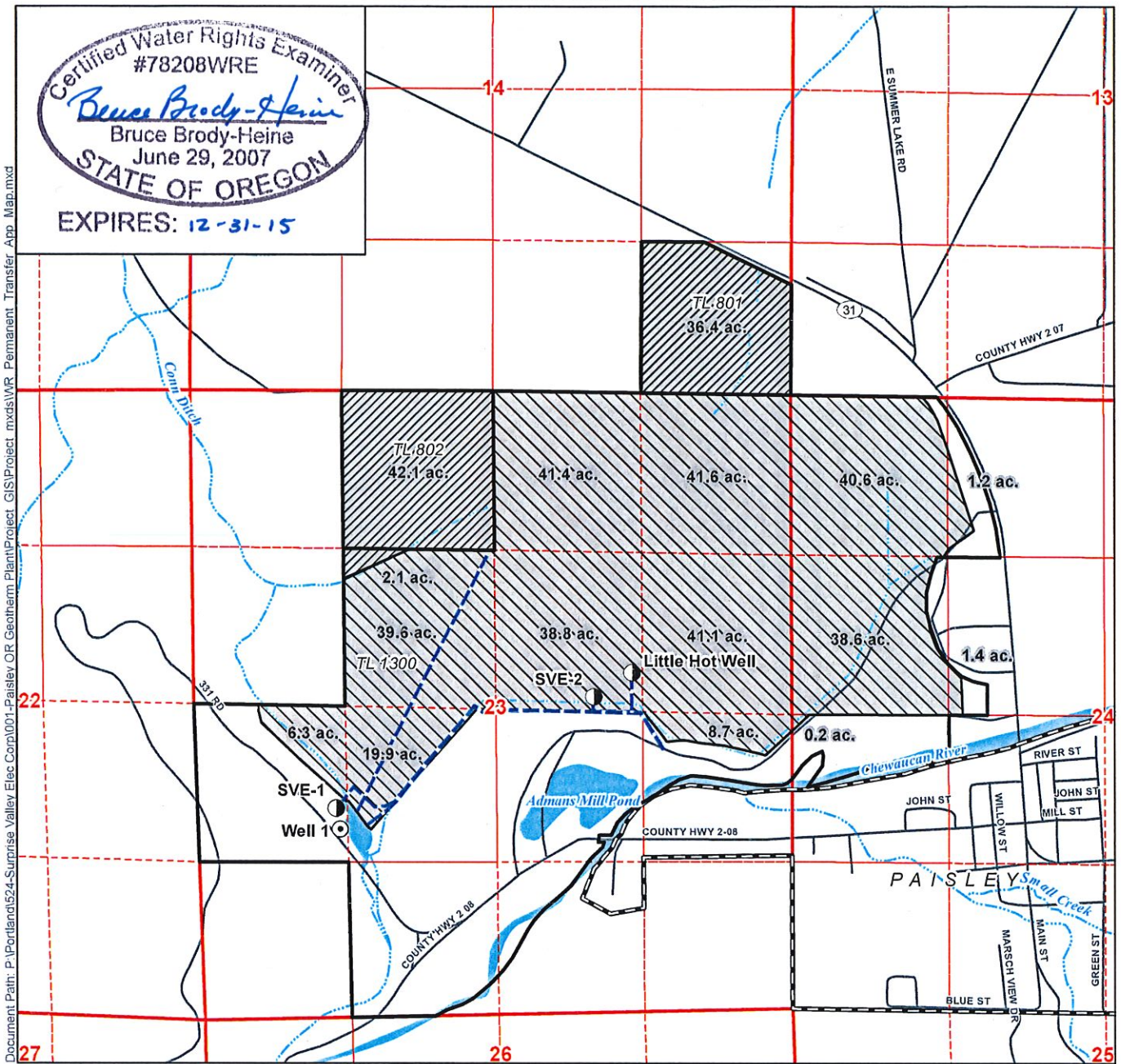
Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

Water Right Transfer Map To Add Points of Appropriation Certificate 89355 & Former Certificate 64775

Colahan Enterprises

Township 33 South, Range 18 East (W.M.)



Document Path: P:\Portland\524-Surprise Valley Elec Corp\001-Paisley OR Geotherm Plant\Project_GIS\Project_mxd\SWR Permanent Transfer App_Map.mxd

LEGEND

- ⊙ Authorized Point of Appropriation (APOA)
- Proposed
- Place of Use (POU)**
- ▨ Certificate 89355
- ▨ Former Certificate 64775 (new certificate # being issued)
- All Other Features**
- Distribution Pipeline
- ▭ Paisley City Limits
- ▭ Tax Lots

- Roads
- Watercourses
- Waterbodies

POA LOCATION DESCRIPTIONS

Well 1
Located 1,680 feet North and 1,240 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-1
Located 1,853 feet North and 1,208 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-2
Located 2,665 feet North and 1,725 feet West from the SE corner of Section 23, Township 33 South, Range 18 East (W.M.)

Little Hot Well
Located 347 feet North and 1,386 feet West from the E1/4 corner of Section 23, Township 33 South, Range 18 East (W.M.)

Disclaimer
This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

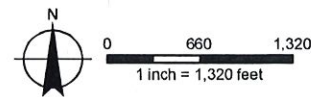
Map Notes

Date: February 26, 2015
Data Sources: OWRD, USGS, US BLM, ESRI
Prepared By: GSI Water Solutions, Inc.

RECEIVED BY OWRD

MAR 02 2015

SALEM, OR



147 SW Shevlin Hixon Dr.
Suite 201
Bend, OR 97702

PORTLAND OR 970

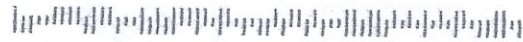
27 FEB 2015 PM 1 L



OREGON WATER RESOURCES Dept
725 Summer Str NE, Suite A
SALEM, OR 97301

Attn: Joan Smith/Transfers

97301126573





Oregon

Kate Brown, Governor

Water Resources Department

North Mall Office Building

725 Summer St NE, Suite A

Salem, OR 97301

Phone (503) 986-0900

Fax (503) 986-0904

www.wrd.state.or.us

March 23, 2015

VIA E-MAIL

COLAHAN ENTERPRISES

PO BOX 300

PAISLEY, OR 97636

SUBJECT:

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April 24 - DPD
Deadline

ng. Enclosed is a draft of our
11894. The document reflects the
ntly available, the transfer will be

ects the changes, you intend to
You will need to respond in
e with the proposed action and
s know if there are typographical

right(s) are appurtenant (the
a title company and meet the
ch as Customer Service Report,
etc.)

etermination showing current

conveyance agreement, or
a water right conveyance

be transferred is currently

m any landowner listed in the
transfer application, or other

right conveyance agreement, if applicable.

3. Notice of this transfer will need to be published in a local newspaper with general circulation in the area where the water rights are currently located. You will be responsible for the charges. Please indicate the local paper you prefer to publish in so we can get an accurate estimate of the cost.





Oregon

Kate Brown, Governor

Water Resources Department

North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

March 23, 2015

VIA E-MAIL

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

SUBJECT: Water Right Transfer Application T-11894

Your water right transfer is in one of three phases of processing. Enclosed is a draft of our Preliminary Determination regarding Transfer Application T-11894. The document reflects the Department's conclusion that, based on the information currently available, the transfer will be approved.

Items needed before the next phase of processing...

1. Please review the draft carefully to see if it accurately reflects the changes, you intend to make, and to become familiar with all proposed conditions. **You will need to respond in writing** by the deadline provided below, whether you agree with the proposed action and conditions. In addition, we will appreciate having you let us know if there are typographical errors that need to be corrected.
2. A report of landownership for the lands to which the water right(s) are appurtenant (the FROM lands) is required. **The report must be prepared by a title company and meet the criteria below.** (*Reports may be called by various names, such as Customer Service Report, Property Analysis Report (PAR), List Pack, Lot Book Report, etc.*)
 - a) The title company's report must either be:
 - i) prepared within 3 months of the draft Preliminary Determination showing current ownership, or
 - ii) prepared within 3 months of recording of a water right conveyance agreement, or
 - iii) prepared at any time, but showing ownership at the time a water right conveyance agreement was recorded.
 - b) The ownership report shall include:
 - i) Date reflected by the ownership information
 - ii) List of owners at that time
 - iii) Legal description of the property where the water right to be transferred is currently located.
 - c) You will need to submit a notarized statement of consent from any landowner listed in the ownership report who is not already included in the transfer application, or other information such as a water right conveyance agreement, if applicable.
3. Notice of this transfer will need to be published in a local newspaper with general circulation in the area where the water rights are currently located. You will be responsible for the charges. Please indicate the local paper you prefer to publish in so we can get an accurate estimate of the cost.



Conditions to your water right...

The Watermaster has required water measurement devices at both the new points of appropriation and the original point prior to diversion of water. Enclosed is a contact information sheet to assist you in pursuing additional information or approval of the required (or alternate) devices.

Please note the proposed date by which all conditions must be met: October 1, 2016. If the required completion date is insufficient to comply with any of the conditions, you may extend the date at no cost to you during this stage of processing. Please let me know by the comment deadline so we can make the proper arrangements to get you the time you need.

What happens next...

Once the Preliminary Determination is issued, a publication period is required. Because there is more than ¼ mile between the new and the authorized points of appropriation, the Department will publish notice of the transfer in a local newspaper having a general circulation in the area of the water right at least once per week for two consecutive weeks. You are responsible for sending a check to cover the cost of publication prior to the issuance of the Preliminary Determination and publication of notice.

Issuance of the Preliminary Determination will occur shortly after we receive:

1. your written response to the conditions and proposed action in the draft Preliminary Determination (e-mail is acceptable); and
2. report of ownership, and affidavits of consent from any landowners shown in the ownership report who have not signed the transfer application; and
3. name of the newspaper you wish the Department to use for publication of the notice of the Preliminary Determination.

If we do not receive the items listed above by April 24, 2015, a Preliminary Determination may be issued denying the application as incomplete.

Please do not hesitate to contact me at 503-986-0892 or Joan.M.Smith@ wrd.state.or.us if I may be of assistance.

Sincerely,



Joan Smith
Transfer Specialist
Transfer and Conservation Section

cc: Transfer Application file T-11894
Brian M. Mayer, District 12 Watermaster (*via e-mail*)
Bruce Brody-Heine, Agent for the applicant (*via e-mail*)

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**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application
T-11894, Lake County

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D R A F T

PRELIMINARY DETERMINATION
PROPOSING APPROVAL OF
ADDITIONAL POINTS OF
APPROPRIATION

Authority

Oregon Revised Statute (ORS) 537.705 and 540.505 to 540.580 establish the process in which a water right holder may submit a request to transfer the point of appropriation, place of use, or character of use authorized under an existing water right. Oregon Administrative Rule (OAR) Chapter 690, Division 380 implements the statutes and provides the Department's procedures and criteria for evaluating transfer applications.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

Findings of Fact

1. On September 26, 2014, COLAHAN ENTERPRISES filed an application for additional points of appropriation under Certificates 89355 and 89546. The Department assigned the application number T-11894.
2. Notice of the application for transfer was published on October 14, 2014, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.
3. On February 25, 2015, the Department contacted the applicant's agent requesting clarification of the well locations, on March 2, 2015; the applicant's agent sent revised well location measurements and a new application map.

4. The first right to be transferred is as follows:

Certificate: 89355 in the name of ROSS A. COLAHAN (perfected under Permit G-10059)
Use: SUPPLEMENTAL IRRIGATION of 80.6 ACRES
Priority Date: APRIL 19, 1983
Rate: 1.01 CUBIC FEET PER SECOND

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL within the GOOSE AND SUMMER LAKE BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1- 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
Total					80.6

5. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from (LAKE 1627, 4448) the existing point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Existing POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	174 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.50 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

6. The second right to be transferred is as follows:

Certificate: 89546 in the name of ROSS H. AND DORIS COLAHAN (perfected under Permit G-9765)

Use: SUPPLEMENTAL IRRIGATION of 319.4 ACRES

Priority Date: APRIL 9, 1982

Rate: 2.90 CUBIC FEET PER SECOND

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL in the CHEWAUCAN RIVER BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1-1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
Total					319.4

7. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from the authorized point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Authorized POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	174 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.50 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

Transfer Review Criteria (OAR 690-380-4010)

8. Water has been used within the last five years prior to the submittal of Transfer Application T-11894 according to the terms and conditions of the rights. There is no information in the record that would demonstrate that the rights are subject to forfeiture under ORS 540.610.
9. A pump, pipeline, flood irrigation sites, and sprinkler system sufficient to use the full amount of water allowed under the existing rights were present within the five-year period prior to submittal of Transfer Application T-11894.
10. The proposed change as conditioned would not result in enlargement of the rights.

11. The proposed change as conditioned would not result in injury to other water rights.
12. All other application requirements are met.

Determination and Proposed Action

The additional points of appropriation proposed in Transfer Application T-11894 appear to be consistent with the requirements of ORS 537.705 and 540.505 to 540.580 and OAR 690-380-5000. If protests are not filed pursuant to OAR 690-380-4030, the application will be approved.

If Transfer Application T-11894 is approved, the final order will include the following:

1. *The additional points of appropriation proposed in Transfer Application T-11894 are approved*
2. *The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 89355 and 89546 and any related decree.*
3. *Water right Certificates 89355 and 89546 are cancelled.*
4. *The quantity of water diverted at the additional points of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.*
5. *Water use measurement and reporting conditions:*
 - a. *Before water use may begin under this order, the water user shall install a totalizing and instant read flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation new and existing.*
 - b. *The water user shall maintain the meters or measuring devices in good working order.*
 - c. *The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.*
 - d. *The water user shall maintain a record of all water used each month, including the total number of hours of pumping, the total quantity pumped, and the categories of beneficial use to which the water is applied. The record of use shall be submitted to the Department annually, or more frequently as may be required by the Director, and shall be submitted to the Watermaster upon request.*
6. *Water shall be acquired from the same aquifer (water source) as the original point of appropriation.*
7. *Prior to using water from any well listed on this application, the water user shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID) which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.*

8. *Wells with pumps shall be equipped with a minimum 3/4-inch diameter, unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200. If a pump has been installed prior to the issuance of this permit and if static, water levels and pumping levels can be measured using an electrical tape, then the installation.*
9. *The proposed additional point of appropriation well (LAKE 1628) original, Little Hot Well (LAKE 1626) deepening shall be reconstructed to meet current well construction standards prior to use. The well reconstruction shall be approved by both Departments Well Construction and Compliance section staff and Department Groundwater section hydrologist staff both located at Department headquarters.*
10. *Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2016**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.*
11. *After satisfactory proof of beneficial use is received, a new certificate confirming the rights transferred will be issued.*

Dated at Salem, Oregon this ____ day of _____ 2015.

D R A F T

Dwight French, Water Right Services Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

This draft Preliminary Determination was prepared by Joan Smith. If you have any questions about the information in this document, you may reach me at 503-986-0892 or Joan.M.SMITH@wrdd.state.or.us

**Notice of Preliminary Determination for
Water Right Transfer T-11894**

T-11894 filed by Colahan Enterprises, PO Box 300 Paisley, OR 97636, proposes additional points of appropriation under Certificates 89355 and 89546. The rights allow a total of 3.91cfs from a well in Sec 23, T33S, R18E, WM for supplemental irrigation in Sec 23. The applicant proposes additional wells in Sec23, T33S, R18E, WM. The Water Resources Department proposes to approve the transfer, based on the requirements of ORS Chapter 540 and OAR 690-380-5000.

Any person may file, jointly or severally, a protest or standing statement within 30 days after the last date of newspaper publication of this notice, MM/DD/YEAR. Call (503) 986-0807 to obtain additional information or a protest form. If no protests are filed, the Department will issue a final order consistent with the preliminary determination.

Transfer file T-11894

Oregon Water Resources Department

Measurement Condition Information for the Applicant

(to be sent with the Draft Preliminary Determination or Final Order)

Transfer #: T-11894

In order to avoid enlargement of the right or injury to other rights, a Totalizing and instant read flowmeter will be required to be installed **prior to diversion of water**, as a condition of this transfer:

- at each point of diversion/appropriation (new and existing) **or**
- at each new point of diversion/appropriation.

For additional information, or to obtain approval of a different type of measurement device, the applicant should contact the area Watermaster:

Watermaster name: Brian Mayer

District: 12

Address: 513 Center St.

City/State/Zip: Lakeview OR 97630

Phone: 541 947 6038

Email: mayerbm@state.or.us

RECEIVED BY OWRD

FEB 08 2016

SALEM, OR

Note: If a device other than the one specified in the Preliminary Determination or Final Order is approved by the Watermaster, fill out and mail the form below to the Salem office.

Approval of an Alternate Measurement Device

T-11894

(to be filled out after consultation with the applicant, or after a site visit)

On behalf of the Director, I authorize use of the following suitable **alternate measurement device**:

An hour clock on the Hot Well (LAKE 4448) - with an annual pump test will be conducted

only if the well will be used in that irrigation season.

B. Mayer
Watermaster signature

12
District

02/04/2016
Date

If this form is used for approval of an alternative measurement device, it must be mailed to:

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

Oregon

WATER RESOURCES
DEPARTMENT

WATERMASTER, DISTRICT 12
513 CENTER ST
LAKEVIEW OR 97630

MEDFORD OR 975

05 FEB 2016 PM 11



Oregon Water Resources Dept.
725 Summer St. NE, Suite A
Salem, Oreogn 97301-1266

9730181266



*Sarah's
Review*

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application
T-11894, Lake County

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D R A F T

PRELIMINARY DETERMINATION
PROPOSING APPROVAL OF
ADDITIONAL POINTS OF
APPROPRIATION

Authority

Oregon Revised Statute (ORS) 537.705 and 540.505 to 540.580 establish the process in which a water right holder may submit a request to transfer the point of appropriation, place of use, or character of use authorized under an existing water right. Oregon Administrative Rule (OAR) Chapter 690, Division 380 implements the statutes and provides the Department's procedures and criteria for evaluating transfer applications.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

Findings of Fact

1. On September 26, 2014, COLAHAN ENTERPRISES filed an application for additional points of appropriation under Certificates 89355 and 89546. The Department assigned the application number T-11894.
2. Notice of the application for transfer was published on October 14, 2014, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.
3. On February 25, 2015, the Department contacted the applicant's agent requesting clarification of the well locations, on February 26, 2015; the applicant's agent sent revised well location measurements and a new application map.

- X 4. The ~~portion of the~~ first right to be transferred is as follows:

Certificate: 89355 in the name of ROSS A. COLAHAN (perfected under Permit G-10059)
Use: SUPPLEMENTAL IRRIGATION of 80.6 ACRES
Priority Date: APRIL 19, 1983
Rate: 1.01 CUBIC FEET PER SECOND

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL within the GOOSE AND SUMMER LAKE BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1- 1680 FEET NORTH AND 1240 FEET EAST FROM SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
Total					80.6

5. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from (LAKE 1627, 4448) the existing point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Existing POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	153 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.40 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE E 1/4 CORNER OF SECTION 23	0.50 mile

6. The ~~portion of the first~~ ^{second} right to be transferred is as follows:

Certificate: 89546 in the name of ROSS H. AND DORIS COLAHAN (perfected under Permit G-9765)

Use: SUPPLEMENTAL IRRIGATION of 319.4 ACRES

Priority Date: APRIL 9, 1982

Rate: 2.90 CUBIC FEET PER SECOND

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL in the CHEWAUCAN RIVER BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
<i>unbs/d</i> → Total					319.4

7. Transfer Application T-11894 proposes additional points of appropriation with approximate distances from the authorized point of appropriation(POA) to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Authorized POA
33 S	18 E	WM	23	NW SW	SVE 1 (LAKE 52530) - 1853 FEET NORTH AND 1208 FEET EAST FROM THE SW CORNER OF SECTION 23	153 feet
33 S	18 E	WM	23	SW NE	SVE 2 (LAKE 52529) - 2665 FEET NORTH AND 1725 FEET WEST FROM THE SE CORNER OF SECTION 23	0.40 mile
33 S	18 E	WM	23	SW NE	LITTLE HOT WELL (LAKE 1628, 1626) - 347 FEET NORTH AND 1386 FEET WEST FROM THE EAST 1/4 CORNER OF SECTION 23	0.50 mile

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174 Ft
0.5 ml
0.5 ml

Transfer Review Criteria (OAR 690-380-4010)

8. Water has been used within the last five years prior to the submittal of Transfer Application T-11894 according to the terms and conditions of the rights. There is no information in the record that would demonstrate that the rights are subject to forfeiture under ORS 540.610.
9. A pump, pipeline, flood irrigation sites, and sprinkler system sufficient to use the full amount of water allowed under the existing right(s) were present within the five-year period prior to submittal of Transfer Application T-11894.
10. The proposed change as conditioned would not result in enlargement of the rights.

11. The proposed change as conditioned would not result in injury to other water rights.
12. All other application requirements are met.

Determination and Proposed Action

The additional points of appropriation proposed in Transfer Application T-11894 appear to be consistent with the requirements of ORS 537.705 and 540.505 to 540.580 and OAR 690-380-5000. If protests are not filed pursuant to OAR 690-380-4030, the application will be approved.

If Transfer Application T-11894 is approved, the final order will include the following:

1. *The additional points of appropriation proposed in Transfer Application T-11894 are approved*
2. *The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 89355 and ~~89355~~ and any related decree.*
89546
3. *Water right Certificates 89355 and 89546 are cancelled.*
4. *The quantity of water diverted at the additional points of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.*
5. *Water use measurement/conditions:*
 - a. *Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation new and existing.*
 - b. *The water user shall maintain the meters or measuring devices in good working order.*
 - c. *The water user shall allow the Watermaster access to the meters or measuring device(s), provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice*
6. *Before water use may begin, the water user shall install a totalizing flow meter at each point of appropriation. The totalizing flow meter must be installed and maintained in good working order. In addition, the water user shall maintain a record of all water used each month, including the total number of hours of pumping, the total quantity pumped, and the categories of beneficial use to which the water is applied. The record of use shall be submitted to the Department annually, or more frequently as may be required by the Director, and shall be submitted to the Watermaster upon request.*
7. *Water shall be acquired from the same aquifer (water source) as the original point of appropriation.*

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d.

- 74
8. *Prior to using water from any well listed on this permit, the water user shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the water user shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.*
- 74
9. *Wells with pumps shall be equipped with an unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200.*
10. *The proposed additional point of appropriation well (LAKE 1628) original, Little Hot Well (LAKE 1626) deepening shall be reconstructed to meet current well construction standards prior to use. The well reconstruction shall be approved by both Departments Well Construction and Compliance section staff and Department Groundwater section hydrologist staff both located at Department headquarters.*
11. *Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2016**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.*
12. *After satisfactory proof of beneficial use is received, a new certificate confirming the rights transferred will be issued.*

Dated at Salem, Oregon this ____ day of _____ 2015.

D R A F T

Dwight French, Water Right Services Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

This draft Preliminary Determination was prepared by Joan Smith. If you have any questions about the information in this document, you may reach me at 503-986-0892 or Joan.M.SMITH@wrp.state.or.us

**Notice of Preliminary Determination for
Water Right Transfer T-11894**

T-11894 filed by Colahan Enterprises, PO Box 300, Paisley, OR 97636, proposes additional points of appropriation under Certificates 89355 and 89546. The rights allow the use of 3.91 CFS from A WELL in Sec 23, T/33S, R18/E, WM for supplemental irrigation in Sec. 23. The applicant proposes additional wells in Sec 23, T/33S, R/18E, WM. The Water Resources Department proposes to ~~deny~~ the transfer, based on the requirements of ORS Chapter 540 and OAR 690-380-5000. *APPROVE*

Any person may file, jointly or severally, a protest or standing statement within 30 days after the last date of newspaper publication of this notice, MM/DD/YEAR. Call (503) 986-0807 to obtain additional information or a protest form. If no protests are filed, the Department will issue a final order consistent with the preliminary determination.

A Water Right Transfer Protest Form is available at http://www.oregon.gov/OWRD/PUBS/docs/forms/TransferProtestForm09_09.pdf, or by calling 503-986-0807. Protests must be received by the Department on or before [30 days after WRD notice], or within 30 days of the last date of publication in a newspaper, whichever is later. If no protests are filed, the Department will issue a final order consistent with the preliminary determination.

STATE OF OREGON

COUNTY OF

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ROSS A COLAHAN
P.O. BOX 300
PAISLEY, OR 97636

confirms the right to use the waters of A WELL, in the GOOSE AND SUMMER LAKE BASIN for SUPPLEMENTAL IRRIGATION of 80.6 ACRES.

This right was perfected under Permit G-10059. The date of priority is APRIL 19, 1983. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.01 CUBIC FEET PER SECOND, or its equivalent in case of rotation, measured at the well.

The point of appropriation is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1 - 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year. The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

A description of the place of use to which this right is appurtenant is as follows:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
TOTAL					80.6

This certificate is issued in accordance with OAR 690-380-6010 to correctly describe the water right for a non-completed additional point of appropriation approved by an order of the Water Resources Director entered January 10, 2012, at Special Order Volume 85, Pages 911-915, approving Transfer Application T-11214 and supersedes Certificate 82230, State Record of Water Right Certificates.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

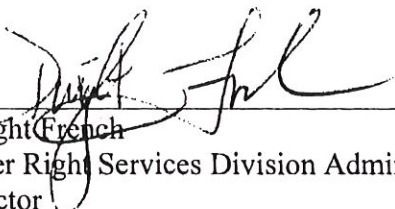
The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

The works shall include an airline and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The water user shall maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

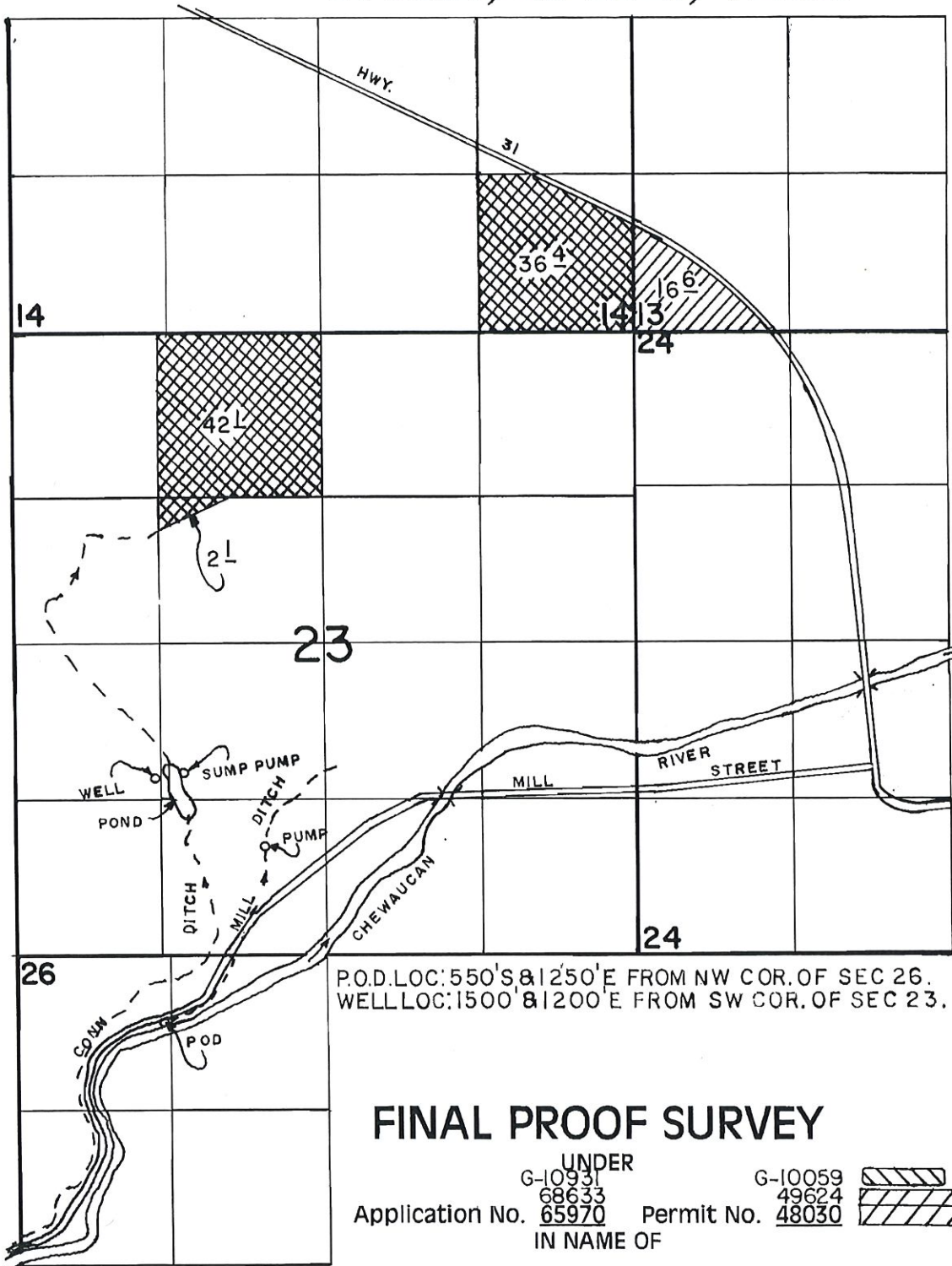
The use of water shall be limited when it interferes with any prior surface or ground water rights.

WITNESS the signature of the Water Resources Director, affixed 6-18-2014.



Dwight French
Water Right Services Division Administrator, for
Director
Oregon Water Resources Department

T. 33S., R. 18E., W.M.



P.O.D. LOC: 550'S & 1250'E FROM NW COR. OF SEC 26.
 WELL LOC: 1500' & 1200' E FROM SW COR. OF SEC 23.

FINAL PROOF SURVEY

UNDER
 G-10931 68633 Application No. 65970
 G-10059 49624 Permit No. 48030
 IN NAME OF

 SUPPLEMENTAL
 PRIMARY

ROSS A. COLAHAN

Surveyed APRIL 12, 1994, by R.M.SUTTERFIELD

STATE OF OREGON

COUNTY OF

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ROSS H. AND DORIS COLAHAN
P.O. BOX 300
PAISLEY, OR 97636

confirms the right to use the waters of A WELL, in the CHEWAUCAN RIVER BASIN for SUPPLEMENTAL IRRIGATION OF 319.4 ACRES.

This right was perfected under Permit G-9765. The date of priority is APRIL 9, 1982. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 2.9 CUBIC FEET PER SECOND, or its equivalent in case of rotation, measured at the well.

The point of appropriation is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1 - 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The right shall be limited to any deficiency in the available supply of any prior right existing for the same land and shall not exceed the limitation allowed herein.

The right shall conform to such reasonable rotation system as may be ordered by the proper state officer.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

A description of the place of use to which this right is appurtenant is as follows:


SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
TOTAL					319.4

This certificate is issued in accordance with OAR 690-380-6010 to correctly describe the water right for a non-completed additional point of appropriation approved by an order of the Water Resources Director entered January 10, 2012, at Special Order Volume 85, Pages 911-915, approving Transfer Application T-11214 and supersedes Certificate 64775, State Record of Water Right Certificates.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

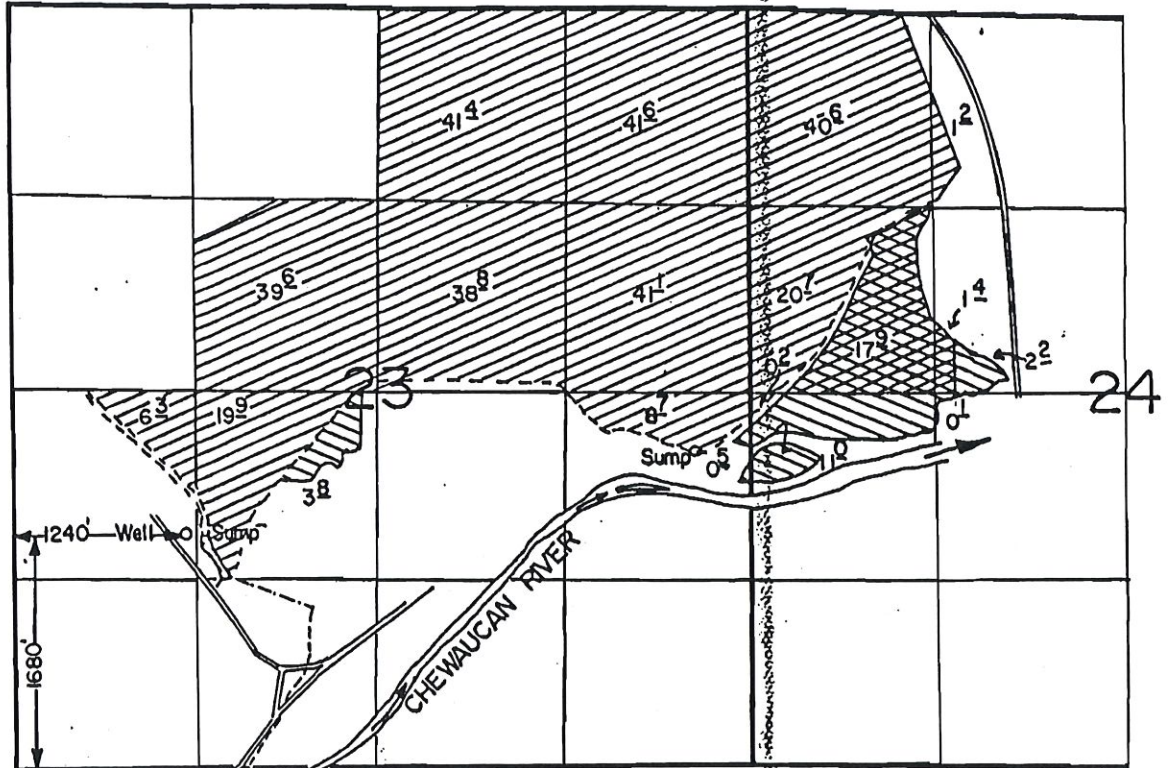
WITNESS the signature of the Water Resources Director, affixed October 6, 2014.



 Dwight French
 Water Right Services Division Administrator, for
 Thomas M. Byler, Director
 Oregon Water Resources Department

T. 33 S., R. 18 E., W. M.

G-9765
64775



Scale: 1" = 1320'

FINAL PROOF SURVEY
UNDER

Transfer 4976

60308

45125

Application No. G-10683

Permit No. G-9765



IN NAME OF

ROSS H. & DORIS COLAHAN

Surveyed Oct. 15, 1985, by T. Warren

T-11894

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 89355

Description of Water Delivery System

COPY

System capacity: 1.01 cubic feet per second (cfs) OR
 _____ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-____)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Hot Well)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LAKE 1627, 4448	33	S	18	E	23	NW	SW	1300	1680' N and 1240' E from the SW corner of Section 23.
SVE 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52530	33	S	18	E	23	NW	SW	1300	2,050' N and 1,370' E from the SW corner of Section 23.
SVE 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52529	33	S	18	E	23	NW	SE	1300	2,665' N and 1,725' W from the SE corner of Section 23.
Little Hot Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 1628, 1626	33	S	18	E	23	SW	NE	1300	310' N and 1270' W from the E 1/4 corner of Section 23

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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Will all of the proposed changes affect the entire water right?

- Yes Complete only the Proposed (“to” or “on” lands) section of Table 2 on the next page. Use the “CODES” listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.



Please use and attach additional pages of Table 2 as needed.
See page 6 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer Staff.

Table 2. Description of Changes to Water Right Certificate # 89355

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands)											PROPOSED (the "to" or "on" lands)											
The listing that appears on the certificate BEFORE PROPOSED CHANGES											The listing as it would appear AFTER PROPOSED CHANGES											
List only that part or portion of the water right that will be changed.											are made.											
Twp	Rng	Sec	1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Proposed Changes (see "CODES" from previous page)	Twp	Rng	Sec	1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POD(s)/POA(s) to be used (from Table 1)	Priority Date		
										APOA	33	S	18	E	14	SE	801	N/A	36.4	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/19/1983
										APOA	33	S	18	E	23	NE	802	N/A	42.1	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/19/1983
										APOA	33	S	18	E	23	SE	1300	N/A	2.1	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/19/1983
											TOTAL ACRES: 80.6											

T-11894

Additional remarks: Adding 3 POAs to this existing water right.

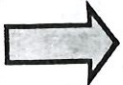
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For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands? Yes No N/A No POU change

If YES, list the certificate, water use permit, or ground water registration numbers: - NA -



Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) - NA -

Ground water supplemental Permit or Certificate # - NA -;
Surface water primary Certificate # - NA -;

For a change from Supplemental Irrigation Use to Primary Irrigation Use

Identify the primary certificate to be cancelled. Certificate # - NA -

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

Tip: You may search for well logs on the Department's web page at:
http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right

Similar OWRD Groundwater reviews were completed under the Transfer T-11214 (GW review dated 5/16/2011) and for the recent drought temporary transfer application T-11860 (GW review dated 7/23/2014)

T-11894

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Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # Former 64775 (OWRD reverting T-11214 and issuing new certificate as part of this 89546 Transfer application- see attached letter) cert # 89546

Description of Water Delivery System

System capacity: 2.90 cubic feet per second (cfs) OR _____ gallons per minute (gpm)

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Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA) (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

Table with 12 columns: POD/POA Name or Number, Is this POD/POA Authorized on the Certificate or is it Proposed?, If POA, OWRD Well Log ID# (or Well ID Tag # L-___), Twp, Rng, Sec, 1/4 1/4, Tax Lot, DLC or Gov't Lot, Measured Distances (from a recognized survey corner). Rows include Well 1 (Hot Well), SVE 1, SVE 2, and Little Hot Well.

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- Place of Use (POU)
Character of Use (USE)
Point of Diversion (POD)
Additional Point of Diversion (APOD)
Surface Water POD to Ground Water POA (SW/GW)
Supplemental Use to Primary Use (S to P)
Point of Appropriation/Well (POA)
Additional Point of Appropriation (APOA)
Substitution (SUB)
Government Action POD (GOV)

Will all of the proposed changes affect the entire water right?

- Yes Complete only the Proposed (“to” or “on” lands) section of Table 2 on the next page. Use the “CODES” listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.

Please use and attach additional pages of Table 2 as needed.
See page 6 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer Staff.

Table 2. Description of Changes to Water Right Certificate # Former 64775 (see attached reversion letter)

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands)										PROPOSED (the "to" or "on" lands)													
The listing that appears on the certificate BEFORE PROPOSED CHANGES										The listing as it would appear AFTER PROPOSED CHANGES													
List only that part or portion of the water right that will be changed.										are made.													
Twp	Rng	Sec	1/4 1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Twp	Rng	Sec	1/4 1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POD(s)/POA(s) to be used (from Table 1)	Priority Date				
										APOA	33	S	18	E	23	NE	NE	1300	N/A	41.6	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
										APOA	33	S	18	E	23	NW	NE	1300	N/A	41.4	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
										APOA	33	S	18	E	23	SW	NE	1300	N/A	38.8	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
										APOA	33	S	18	E	23	SE	NE	1300	N/A	41.1	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
										APOA	33	S	18	E	23	SE	NW	1300	N/A	39.6	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
										APOA	33	S	18	E	23	NE	SW	1300	N/A	19.9	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
										APOA	33	S	18	E	23	NW	SW	1300	N/A	6.3	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982

Table continued on the next page

Additional remarks: Adding 3 POAs to this existing water right.

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AUTHORIZED (the "from" or "off" lands)
 The listing that appears on the certificate BEFORE PROPOSED CHANGES
 List only that part or portion of the water right that will be changed.

PROPOSED (the "to" or "on" lands)
 The listing as it would appear AFTER PROPOSED CHANGES
 are made.

Proposed Changes (see "CODES" from previous page)	Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POD(s)/POA(s) to be used (from Table 1)	Priority Date
APOA	33	S	18	E	23	NE	SE	1300	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
APOA	33	S	18	E	24	NE	NW	1300	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
APOA	33	S	18	E	24	NW	NW	1300	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
APOA	33	S	18	E	24	SW	NW	1300	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
APOA	33	S	18	E	24	SE	NW	1300	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
APOA	33	S	18	E	24	NW	SW	1300	N/A	Well 1, SVE 1, SVE 2, Little Hot Well	4/9/1982
TOTAL ACRES: 319.4											

T-11894

Certificate # Former ~~64775~~ 69546
(see attached reversion letter)

For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands? Yes No N/A No POU change

If YES, list the certificate, water use permit, or ground water registration numbers: - NA -



Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) - NA -

Ground water supplemental Permit or Certificate # - NA -;
Surface water primary Certificate # - NA -;

COPY

For a change from Supplemental Irrigation Use to Primary Irrigation Use

Identify the primary certificate to be cancelled. Certificate # - NA -

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

Tip: You may search for well logs on the Department's web page at:
http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right

Similar OWRD Groundwater reviews were completed under the Transfer T-11214 (GW review dated 5/16/2011) and for the recent drought temporary transfer application T-11860 (GW review dated 7/23/2014)

RECEIVED

SEP. 26 2014

TACS

COPY

Attachment A

Transfer Application Map

RECEIVED

SEP 26 2014

OWRD

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application)
T-11860, Lake County)
)
) **FINAL ORDER APPROVING AN
EMERGENCY USE DROUGHT
TEMPORARY ADDITIONAL POINTS
OF APPROPRIATION**

Authority

ORS 536.750 establishes the process in which a water right holder may submit a request to temporarily transfer the use, place of use or point of diversion of water in the event of a declaration of drought, without complying with the notice and waiting requirements under ORS 540.520. OAR Chapter 690, Division 019 implements the statutes and provides the Department's procedures and criteria for evaluating drought transfer applications.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

Findings of Fact

1. On July 14, 2014, COLAHAN ENTERPRISES filed an application to temporarily add points of appropriation under Certificate 89355 for the remainder of the 2014 irrigation season or the term of the Governor's declared drought, whichever is shorter. The Department assigned the application number T-11860.
2. Notice of the application for temporary drought transfer was published on July 22, 2014, pursuant to OAR 690-019-0055(5). No comments were filed in response to the notice.
3. The right to be temporarily transferred is as follows:

Certificate: T-11214 in the name of ROSS A. COLAHAN (perfected under Permit G-10059)
Use: SUPPLEMENTAL IRRIGATION OF 80.6 ACRES
Priority Date: APRIL 19, 1983
Rate: 1.01 CUBIC FEET PER SECOND

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL within the GOOSE AND SUMMER LAKE BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1 - 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1

4. Temporary Drought Transfer Application T-11860 proposes two additional points of appropriation between approximately 385 and 2400 feet from the authorized point of appropriation to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	SVE-1 - 2050 FEET NORTH AND 1370 FEET EAST FROM THE SW CORNER OF SECTION 23
33 S	18 E	WM	23	NW SE	SVE-2 - 2665 FEET NORTH AND 1725 FEET EAST FROM THE SE CORNER OF SECTION 23

Temporary Drought Transfer Review Criteria

5. Water has been used within the last five years according to the terms and conditions of the right. There is no evidence available that would demonstrate that the right is subject to forfeiture under ORS 540.610.
6. A pump, pipeline, and sprinkler system sufficient to use the full amount of water allowed under the existing right is present.
7. The Governor issued an executive order on February 13, 2014, declaring a state of drought emergency in Lake County due to drought and extreme weather conditions, which is still in effect and the water right proposed for transfer is on lands included in the area covered by the drought order.
8. The proposed changes would not result in enlargement of the rights.
9. The proposed changes would not result in injury to other water rights. This finding is made through an abbreviated review recognizing that the transfer may be revoked under OAR 690-019-055(3) if injury to existing water rights is shown and cannot be mitigated to the satisfaction of the Director and injured parties.

Conclusions of Law


The temporary additional points of appropriation proposed in Temporary Drought Transfer Application T-11860 are consistent with the requirements of ORS 536.750 and OAR 690-019-0055.

Now, therefore, it is ORDERED:

1. The temporary additional points of appropriation proposed in Temporary Drought Transfer Application T-11860 are approved.
2. The quantity of water diverted at the additional points of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.
3. Water use measurement conditions:
 - a. **Before water use may begin** under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device, at each new point of appropriation.
 - b. The water user shall maintain the meter or measuring device in good working order.
 - c. The water user shall allow the Watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the Watermaster shall request access upon reasonable notice.
4. Prior to using water from the proposed additional points of appropriation, the water user shall ensure that each well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the water user shall apply for one from the Department and attach it to the well within 60 days of the date the transfer order is approved. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.
5. Wells with pumps shall be equipped with an unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200.
6. The approval of this temporary drought transfer may be revoked or modified if the Department finds the changes cause injury to any existing water right.
7. The use of water from the temporary additional points of appropriation authorized by this transfer shall be in accordance with the terms and conditions of Certificate 89355. The additional points of appropriation shall revert to the authorized point of appropriation at the end of the 2014 irrigation season.
8. The approval of this temporary transfer may be revoked or modified if the Department finds the change causes injury to any existing water right.

9. The proposed additional points of appropriation shall revert to the authorized point of appropriation at the end of the 2014 irrigation season or the end of the Governor's declared drought, whichever occurs first.

Dated at Salem, Oregon this 4 day of August 2014.



Dwight French, Water Right Services Administrator, for
Director
Oregon Water Resources Department

Mailing Date: AUG 08 2014

T-11894

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application)
T-11214, Lake County, Oregon)
)
)
)
)
)
)

FINAL ORDER APPROVING A
PARTIAL REVERSION OF POINTS
OF APPROPRIATION AND
AMENDING SPECIAL ORDER
VOLUME 85, PAGES 911-915,
APPROVING T-11214

Authority

OAR 690-380-6010(6) provides that a point of diversion or appropriation shall revert to the last authorized point of diversion or appropriation if the changes authorized under a transfer are not completed.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

COPY

Findings of Fact

- 1. On March 21, 2011, COLAHAN ENTERPRISES filed an application for additional points of appropriation under Certificate 64775 and 82230. The Department assigned the application number T-11214.
- 2. On January 10, 2012, the Water Resources Department issued an order approving the additional points of appropriation. The order was recorded in Special Order Volume 85, Pages 911-915.
- 3. On November 12, 2013, the Water Resources Department issued an order approving an extension of time for Transfer Application T-11214. The order was recorded in Special Order Volume 91, Pages 498-499.
- 4. On June 11, 2014, Erin K. Douglas, Secretary for Colahan Enterprises, notified the Department that the additional points of appropriation authorized under T-11214 for Certificate 82230 would not be completed and requested that the additional points of appropriation revert back from the new wells (Wells 2, 3, and 4) to Well No. 1, the point of appropriation that was authorized under Certificate 82230 prior to T-11214.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

5. Information is available from Transfer Application T-11214 that indicates that the location of the point of appropriation (Lake 1627 and Lake 4448) for Certificate 82230 is better described as being:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1 - 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

6. Pursuant to OAR 690-380-6010(6), the point of appropriation shall revert to the last authorized point of appropriation for that portion of the transfer not completed.
7. The portion of Special Order Vol. 85, Page 911-915, approving Transfer Application T-11214, is amended to remove Certificate 82230.

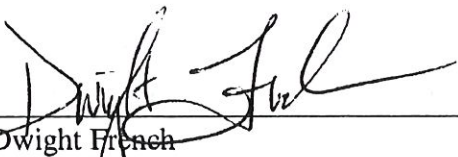
Conclusion of Law

The request to revert the right described by Certificate 82230 back to the last authorized point of appropriation is consistent with the requirements of OAR 690-380-6010(6).

Now, therefore, it is ORDERED:

1. The additional points of appropriation (Wells 2,3, and 4) for Certificate 82230 authorized by Transfer Application T-11214 are reverted to Well No. 1, the point of appropriation that was authorized under Certificate 82230 prior to the transfer.
2. A superseding certificate for Certificate 82230 shall be issued to confirm the water right.
3. All other terms and conditions of Special Order Vol. 85, pages 911-915 remain unchanged.

Dated at Salem, Oregon this 18 day of June, 2014.



 Dwight French
 Water Right Services Division Administrator, for
 Director
 Oregon Water Resources Department

Mailing date: JUL 09 2014

T-11894

STATE OF OREGON

COUNTY OF

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ROSS A COLAHAN
P.O. BOX 300
PAISLEY, OR 97636

confirms the right to use the waters of A WELL, in the GOOSE AND SUMMER LAKE BASIN for SUPPLEMENTAL IRRIGATION of 80.6 ACRES.

This right was perfected under Permit G-10059. The date of priority is APRIL 19, 1983. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.01 CUBIC FEET PER SECOND, or its equivalent in case of rotation, measured at the well.

The point of appropriation is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1 - 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year. The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

A description of the place of use to which this right is appurtenant is as follows:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
TOTAL					80.6

COPY

This certificate is issued in accordance with OAR 690-380-6010 to correctly describe the water right for a non-completed additional point of appropriation approved by an order of the Water Resources Director entered January 10, 2012, at Special Order Volume 85, Pages 911-915, approving Transfer Application T-11214 and supersedes Certificate 82230, State Record of Water Right Certificates.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

The works shall include an airline and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The water user shall maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

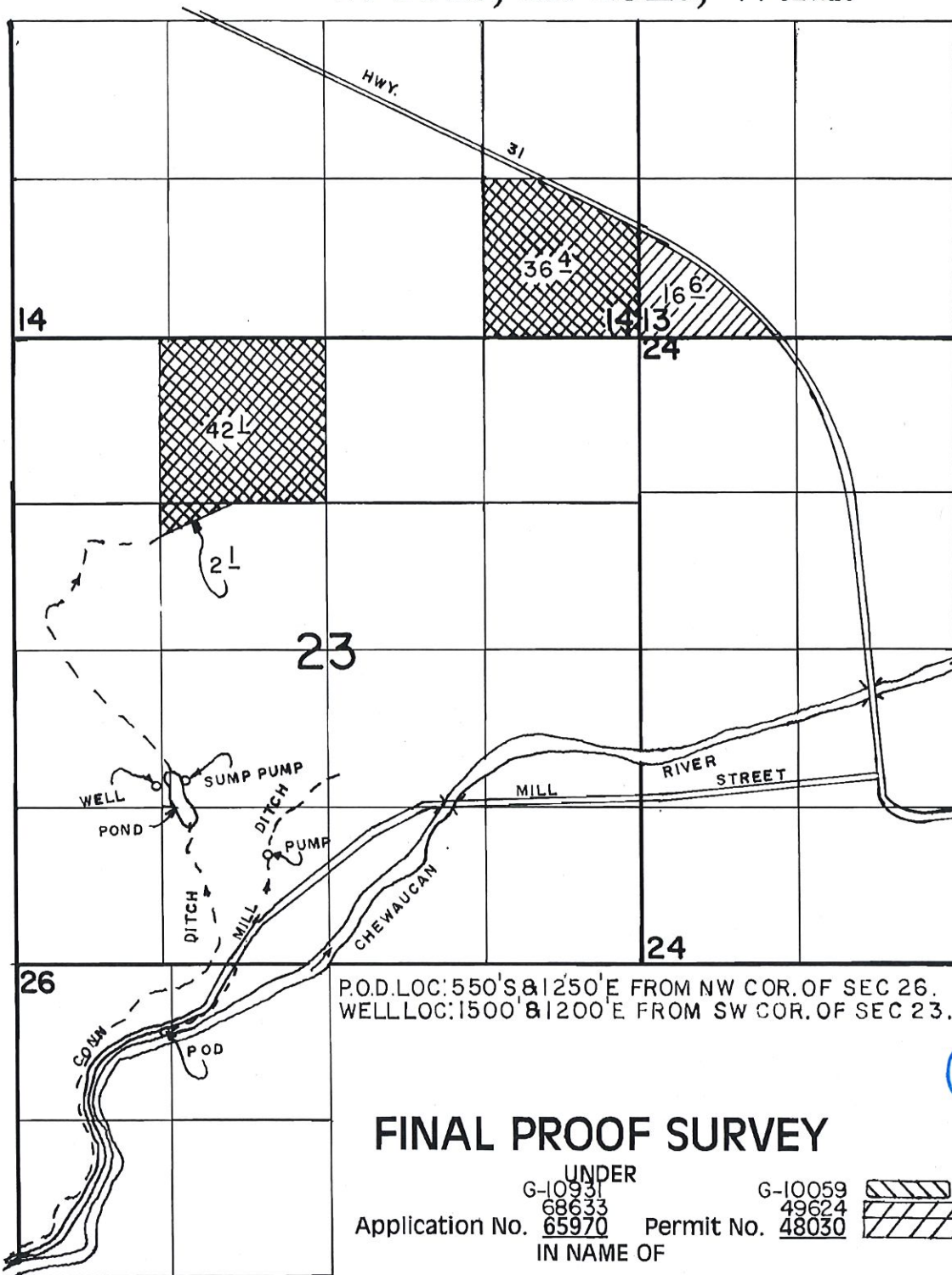
The use of water shall be limited when it interferes with any prior surface or ground water rights.

WITNESS the signature of the Water Resources Director, affixed 6-18-2014.



Dwight French
Water Right Services Division Administrator, for
Director
Oregon Water Resources Department

T. 33S., R. 18E., W.M.



P.O.D. LOC: 550'S & 1250'E FROM NW COR. OF SEC 26.
 WELL LOC: 1500' & 1200' E FROM SW COR. OF SEC 23.

COPY

FINAL PROOF SURVEY

UNDER
 G-10931 68633 Application No. 65970
 G-10059 49624 Permit No. 48030
 IN NAME OF



SUPPLEMENTAL
 PRIMARY

ROSS A. COLAHAN

Surveyed APRIL 12, 1994, by R.M.SUTTERFIELD

STATE OF OREGON

COUNTY OF

CERTIFICATE OF WATER RIGHT

T-11894

THIS CERTIFICATE ISSUED TO

ROSS H. AND DORIS COLAHAN
P.O. BOX 300
PAISLEY, OR 97636

COPY

confirms the right to use the waters of A WELL, in the CHEWAUCAN RIVER BASIN for SUPPLEMENTAL IRRIGATION OF 319.4 ACRES.

This right was perfected under Permit G-9765. The date of priority is APRIL 9, 1982. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 2.9 CUBIC FEET PER SECOND, or its equivalent in case of rotation, measured at the well.

The point of appropriation is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1 - 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The right shall be limited to any deficiency in the available supply of any prior right existing for the same land and shall not exceed the limitation allowed herein.

The right shall conform to such reasonable rotation system as may be ordered by the proper state officer.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

A description of the place of use to which this right is appurtenant is as follows:


SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
TOTAL					319.4

This certificate is issued in accordance with OAR 690-380-6010 to correctly describe the water right for a non-completed additional point of appropriation approved by an order of the Water Resources Director entered January 10, 2012, at Special Order Volume 85, Pages 911-915, approving Transfer Application T-11214 and supersedes Certificate 64775, State Record of Water Right Certificates.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

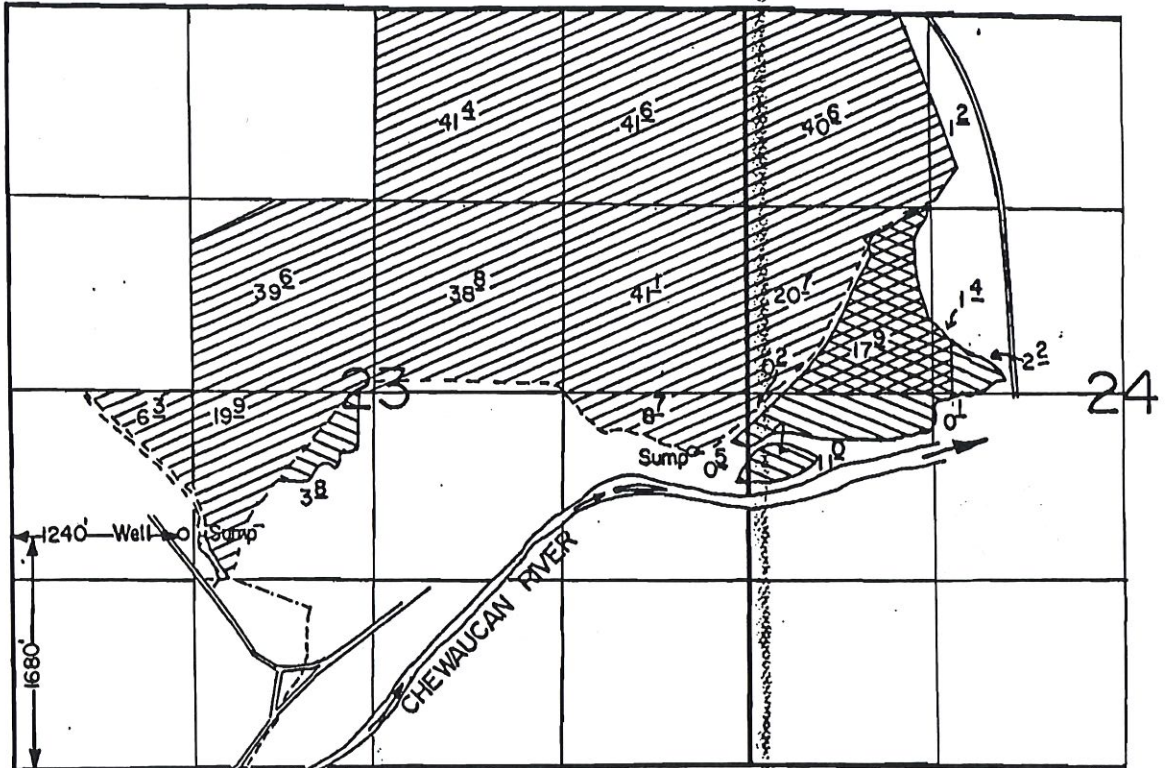
WITNESS the signature of the Water Resources Director, affixed October 6, 2014.


Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

T. 33 S., R. 18 E., W. M.

G-9765
64775

T-11894
COPY



Scale: 1" = 1320'

FINAL PROOF SURVEY
UNDER

Transfer 4976

60308

45125

Application No. G-10683

Permit No. G-9765



IN NAME OF

ROSS H. & DORIS COLAHAN

Surveyed Oct. 15, 1985, by T. Warren

6. On September 15, 2014, Erin K. Douglas, Secretary for Colahan Enterprises, notified the Department that the additional points of appropriation authorized under T-11214 for Certificate 64775 would not be completed and requested that the additional points of appropriation revert back from the new wells (Wells 2, 3, and 4) to Well No. 1, the point of appropriation that was authorized under Certificate 64775 prior to T-11214.
7. Pursuant to OAR 690-380-6010(6), the point of appropriation shall revert to the last authorized point of appropriation for that portion of the transfer not completed.

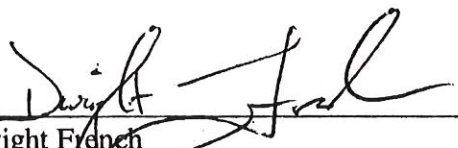
Conclusion of Law

The request to revert the right described by Certificate 64775 back to the last authorized point of appropriation is consistent with the requirements of OAR 690-380-6010(6).

Now, therefore, it is ORDERED:

1. The additional points of appropriation (Wells 2, 3, and 4) for Certificate 64775 authorized by Transfer Application T-11214 are reverted to Well No. 1, the point of appropriation that was authorized under Certificate 82230 prior to the transfer.
2. A superseding certificate for Certificate 64775 shall be issued to confirm the water right.

Dated at Salem, Oregon this 6 day of October, 2014.



Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Mailing date: OCT 10 2014

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application) FINAL ORDER APPROVING
T-11214, Lake County) ADDITIONAL POINTS OF
) APPROPRIATION

Reverted

Authority

ORS 537.705 and 540.505 to 540.580 establish the process in which a water right holder may submit a request to transfer the point of appropriation, place of use, or character of use authorized under an existing water right. OAR Chapter 690, Division 380 implements the statutes and provides the Department's procedures and criteria for evaluating transfer applications.

Applicant

COLAHAN ENTERPRISES
PO BOX 300
PAISLEY, OR 97636

Findings of Fact

Background

1. On March 21, 2011, COLAHAN ENTERPRISES filed an application for additional points of appropriation under Certificate 64775 and 82230. The Department assigned the application number T-11214.
2. The first right to be transferred is as follows:
 - Certificate:** 64775 in the name of ROSS H. AND DORRIS COLAHAN (perfected under Permit G-9765)
 - Use:** SUPPLEMENTAL IRRIGATION of 319.4 ACRES
 - Priority Date:** APRIL 9, 1982
 - Rate:** 2.9 CUBIC FEET PER SECOND
 - Limit/Duty:** The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to a diversion of ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated, and shall be further limited to a diversion

This final order is subject to judicial review by the Court of Appeals under ORS 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482(1). Pursuant to ORS 536.075 and OAR 137-003-0675, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL within the CHEWAUCAN RIVER BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1: 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	23	NE NE	41.6
33 S	18 E	WM	23	NW NE	41.4
33 S	18 E	WM	23	SW NE	38.8
33 S	18 E	WM	23	SE NE	41.1
33 S	18 E	WM	23	SE NW	39.6
33 S	18 E	WM	23	NE SW	19.9
33 S	18 E	WM	23	NW SW	6.3
33 S	18 E	WM	23	NE SE	8.7
33 S	18 E	WM	24	NE NW	1.2
33 S	18 E	WM	24	NW NW	40.6
33 S	18 E	WM	24	SW NW	38.6
33 S	18 E	WM	24	SE NW	1.4
33 S	18 E	WM	24	NW SW	0.2
TOTAL					319.4

3. The second right to be transferred is as follows:

Certificate: 82230 in the name of ROSS A. COLAHAN (perfected under Permit G-10059)

Use: SUPPLEMENTAL IRRIGATION of 80.6 ACRES

Priority Date: APRIL 19, 1983

Rate: 1.01 CUBIC FEET PER SECOND

Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

Source: A WELL within the CHEWAUCAN RIVER BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1: 1500 FEET NORTH AND 1200 FEET EAST FROM THE SW CORNER OF SECTION 23

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
33 S	18 E	WM	14	SE SE	36.4
33 S	18 E	WM	23	NE NW	42.1
33 S	18 E	WM	23	SE NW	2.1
TOTAL					80.6

4. Certificates 64775 and 82230 list Well 1 (Lake 1627 and Lake 4448) as the point of appropriation. However, the legal description of the well is described differently in the certificates. Information available from the Certified Water Right Examiner indicates that the location of the point of appropriation (Lake 1627 and Lake 4448) for Certificates 64775 and 82230 is:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 1: 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23

5. Transfer Application T-11214 proposes additional points of appropriation approximately 200 feet north to Well 2, 2950 feet northeast to Well 3, and 6050 feet northeast to Well 4, from the existing point of appropriation to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
33 S	18 E	WM	23	NW SW	WELL 2: 1853 FEET NORTH AND 112 FEET WEST FROM THE WEST 1/16 CORNER OF SECTIONS 23 AND 26
33 S	18 E	WM	23	SW NE	WELL 3: 2987 FEET NORTH AND 2574 FEET EAST FROM THE WEST 1/16 CORNER OF SECTIONS 23 AND 26
33 S	18 E	WM	14	SE SE	WELL 4: 3682 FEET NORTH AND 6426 FEET EAST FROM THE WEST 1/16 CORNER OF SECTIONS 23 AND 26

6. Notice of the application for transfer was published on March 29, 2011, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.
7. On June 24, 2011, the Department mailed a copy of the draft Preliminary Determination proposing to approve Transfer Application T-11214 to the applicant. The draft Preliminary Determination cover letter set forth a deadline of July 24, 2011, for the applicant to respond. The applicant requested that the Department proceed with issuance of a Preliminary Determination and provided the necessary information to demonstrate that the applicant is authorized to pursue the transfer.
8. On October 17, 2011, the applicant agreed to Condition #7 concerning the construction of Well 2.
9. On November 2, 2011, the Department issued a Preliminary Determination proposing to approve Transfer Application T-11214 and mailed a copy to the applicant. Additionally, notice of the Preliminary Determination for the transfer application was published on the Department's weekly notice on November 8, 2011, and in the Lake County Examiner

newspaper on November 23 and 30, and December 7, 2011, pursuant to ORS 540.520 and OAR 690-380-4020. No protests were filed in response to the notices.

Transfer Review Criteria (OAR 690-380-4010)

10. Water has been used within the last five years according to the terms and conditions of the rights. There is no information in the record that would demonstrate that the rights are subject to forfeiture under ORS 540.610.
11. A pump, pipeline, and sprinkler system sufficient to use the full amount of water allowed under the existing rights were present within the five-year period prior to submittal of Transfer Application T-11214.
12. The proposed change would not result in enlargement of the rights.
13. The proposed change would not result in injury to other water rights.
14. Well 1 (LAKE 1627 and LAKE 4448), Well 3 (LAKE 1626 and LAKE 1628), Well 4 (LAKE 1625), and proposed Well 2 obtain groundwater from basin fill sediments which contain some basalt. Reports for the basin indicate groundwater in both the basin fill and basalt units is likely hydraulically connected, making a single groundwater system occurring in geologic units with different permeability. A higher permeability and transmissivity generally occurs in the basalt and a lower permeability and transmissivity generally occurs in the in the basin fill. Well 2 is proposed to be drilled approximately 200 feet from Well 1. To be consistent with Well 1, proposed Well 2 must be constructed to obtain groundwater from the predominantly basin fill unit.

Conclusions of Law

The additional points of appropriation proposed in Transfer Application T-11214, as conditioned by Finding of Fact # 14, are consistent with the requirements of ORS 537.705 and 540.505 to 540.580 and OAR 690-380-5000.

Now, therefore, it is ORDERED:

1. The additional points of appropriation proposed in application T-11214 are approved.
2. The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 64775 and 82230 and any related decree.
3. Water right certificates 64775 and 82230 are cancelled.
4. The quantity of water diverted at the additional points of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.

5. Water use measurement conditions:
 - a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device, at each point of appropriation.
 - b. The water user shall maintain the meters or measuring devices in good working order.
 - c. The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.
6. Water shall be acquired from the same aquifer (water source) as the original point of appropriation.
7. Well 2 must be constructed to obtain groundwater from the predominantly basin fill unit that overlies the predominantly basalt unit.
8. The approved change shall be completed and full beneficial use of the water shall be made on or before **October 1, 2013**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the change and full beneficial use of the water.
9. When satisfactory proof of the completed change is received, new certificates confirming the rights transferred will be issued.

Dated at Salem, Oregon this ____ day of January 2015.

Dwight French, Water Right Services Administrator, for
PHILLIP C. WARD, DIRECTOR

Mailing date: _____

64775

STATE OF OREGON

COUNTY OF LAKE

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ROSS H. AND DORIS COLAHAN
P.O. BOX 89
PAISLEY, OREGON 97636

confirms the right to use the waters of A WELL in the CHEWAUCAN RIVER BASIN for the purpose of SUPPLEMENTAL IRRIGATION OF 319.4 ACRES.

The right has been perfected under Permit G-9765. The date of priority is APRIL 9, 1982. The right is limited to not more than 2.9 CUBIC FEET PER SECOND or its equivalent in case of rotation, measured at the well.

The well is located as follows:

NW 1/4 SW 1/4, SECTION 23, T 33 S, R 18 E, W.M.; 1680 FEET NORTH AND 1240 FEET EAST FROM THE SW CORNER OF SECTION 23.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The right shall be limited to any deficiency in the available supply of any prior right existing for the same land and shall not exceed the limitation allowed herein.

The right shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right, and to which such right is appurtenant, is as follows:

NE 1/4 NE 1/4	41.6 ACRES
NW 1/4 NE 1/4	41.4 ACRES
SW 1/4 NE 1/4	38.8 ACRES
SE 1/4 NE 1/4	41.1 ACRES
SE 1/4 NW 1/4	39.6 ACRES
NE 1/4 SW 1/4	19.9 ACRES
NW 1/4 SW 1/4	6.3 ACRES
NE 1/4 SE 1/4	8.7 ACRES
SECTION 23	
TOWNSHIP 33 SOUTH, RANGE 18 EAST, W.M.	

SEE NEXT PAGE

NE 1/4 NW 1/4 1.2 ACRES
NW 1/4 NW 1/4 40.6 ACRES
SW 1/4 NW 1/4 38.6 ACRES
SE 1/4 NW 1/4 1.4 ACRES
NW 1/4 SW 1/4 0.2 ACRE

SECTION 24
TOWNSHIP 33 SOUTH, RANGE 18 EAST, W.M.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed this date SEPTEMBER 28, 1990.

/s/ WILLIAM H. YOUNG

Water Resources Director

Recorded in State Record of Water Right Certificates numbered 64775.

G-10683.JW

82230

STATE OF OREGON

COUNTY OF LAKE

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ROSS A COLAHAN
PO BOX 89
PAISLEY OR 97636

confirms the right to use the waters of A WELL in the Goose & Summer Lake Basin for SUPPLEMENTAL IRRIGATION of 80.6 ACRES.

This right was perfected under Permit G-10059. The date of priority is APRIL 19, 1983. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.01 CUBIC FEET PER SECOND or its equivalent in case of rotation, measured at the well.

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	GLot	DLC	Survey Coordinates
33 S	18 E	WM	23	NW SW			1500 FEET NORTH & 1200 FEET EAST FROM SW CORNER, SECTION 23

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year. The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

A description of the place of use to which this right is appurtenant is as follows:

SUPPLEMENTAL IRRIGATION							
Twp	Rng	Mer	Sec	Q-Q	GLot	DLC	Acres
33 S	18 E	WM	14	SE SE			36.4
33 S	18 E	WM	23	NE NW			42.1
33 S	18 E	WM	23	SE NW			2.1

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate at any time before it has issued, and after the time has expired for the completion of the appropriation under the permit, or within three months after issuance of the certificate.

The works shall include an airline and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The water user shall maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

WITNESS the signature of the Water Resources Director, affixed SEP 08 2006


Phillip E. Ward, Director
Water Resources Department



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1271
 (503) 986-0900
 www.wrd.state.or.us

Ground Water Review Form:

- Water Right Transfer
- Permit Amendment
- GR Modification
- Other

Application: T- 11894

Applicant Name: Colahan Enterprises

Proposed Changes: POA APOA
 USE POU

SW→GW RA
 OTHER

Reviewer(s): Gerald H. Grondin

Date of Review: 18 December 2014

The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- The water well reports provided with the application do not correspond to the water rights affected by the transfer.
- The application does not include water well reports or a description of the well construction details sufficient to establish the ground water body developed or proposed to be developed.
- Other _____

1. Basic description of the changes proposed in this transfer: _____

This transfer application and the authorized POA well (owner well #1 = LAKE 1627 original and LAKE 4448 reconditioning) relates to the following:

1. Certificate 89355 (file G-10931) for Ross Colahan (1.01 cfs, 80.6 acres).
2. Certificate 64775 (file G-10683) for Ross Colahan (2.90 cfs, 319.4 acres).
3. Limited License LL-1334 for Surprise Valley Electrification Corp & Colahan Enterprises.

It should be noted that this transfer application is subsequent to T-11214 filed in 2011. That transfer added three points of appropriation (APOA) wells to two certificates. The three wells are: owner well #2 (not drilled at that time), owner well #3 "Little Hot Well" (LAKE 1628 original and LAKE 1626 deepening), and owner well #4 (LAKE 1625). The two certificates were: certificate 64775 (application G-10683, permit G-9765) for supplemental irrigation of 319.4 acres at a maximum rate of 2.90 cfs (1302 gpm) and certificate 82230 (application G-10931, permit G-10059) for supplemental irrigation of 80.6 acres at a maximum rate of 1.01 cfs (453 gpm).

It should be further noted that this application is subsequent to T-11860 (drought 2014) filed in 2014. That temporary drought transfer proposed to add two points of appropriation (APOA) wells (LAKE 52529 = owner well SVE 2 and LAKE 52530 = owner well SVE 1).

This application includes a cover letter request to “revert” the portion of transfer T-11214 related to certificate 64775 (file G-10683) by reverting the 2.9 cfs related to that certificate back to the original POA well (owner well #1 “Hot Well” = LAKE 1627 original and LAKE 4448 reconditioning)

Then this transfer application proposes to permanently add three points of appropriation (APOA) wells (LAKE 52529 = owner well SVE 2, LAKE 52530 = owner well SVE 1, and LAKE 1628 original, LAKE 1626 deepening = owner well “Little Hot Well”) to both certificate 89355 (file G-10931) and certificate 64775 (file G-10683).

All the changes, reversions, and subsequent changes are not entirely clear to this reviewer. This review simply considers the addition of three APOA wells (LAKE 52529 = owner well SVE 2, LAKE 52530 = owner well SVE 1, and LAKE 1628 original, LAKE 1626 deepening = owner well “Little Hot Well”) to the original authorized POA well (= LAKE 1627 original and LAKE 4448 reconditioning = owner well #1 “Hot Well”) related to both certificate 89355 (file G-10931) and certificate 64775 (file G-10683).

Lastly, the following should be noted:

First, the proposed APOA well LAKE 1628 original, LAKE 1626 deepening (owner well “Little Hot Well”) has been the object of much discussion related to other water right reviews, in particular files LL-1450 and LL-1508 for Surprise Valley Electric. Reviews of this well under OAR 690-009 finds any proposed use of the well triggers a potential for substantial interference with the Chewaucan River because the well is less than one-mile from where groundwater intercepts the river and the calculated groundwater interference with the river is greater than 25-percent of the well’s pumping rate (the percent is independent of the pumping rate) at the end of 30 days pumping. Consequently for LL-1450, Surprise Valley Electric is required to use wells more than one-mile from where groundwater intercepts the river and at rates that the calculated groundwater interference with the river in the first 365 days is less than one-percent of the natural river flow (80-percent exceedance) for any given month. For LL-1508, use of the well is temporarily allowed for a limited time with the understanding that a solution is found that resolves the potential for substantial interference with the Chewaucan River issue.

Second, there has been much discussion related to allowable pumping rates for wells more than one-mile from where groundwater intercepts the Chewaucan River other water right reviews, in particular file LL-1450 for Surprise Valley Electric. Low pumping rates are needed to avoid triggering a potential for substantial interference with the Chewaucan River.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: _____

The existing and proposed wells obtain groundwater from basin fill sediments, volcanic sediments which contains some basalt.

The water well reports (well logs) for the authorized POA well (owner well #1 = LAKE 1627, LAKE 4448) indicates the well is drilled to 983 feet below land surface. It reports basalt from about 2 to 180 feet below land surface, then clay and shale from 180 to 983 feet below land surface except for a basalt layer from the 775 to 800 foot interval. Hot water (220 degrees F) was encountered at about 720 feet depth. Walker (1963) shows the site on a boundary between sedimentary deposits (QTs) and volcanic and sedimentary rocks (Tvb). QTs is described as lacustrine, fluvial, and Aeolian sedimentary rocks, interstratified tuff, ashy diatomite, and unconsolidated clay, sand, silt, and gravel, mostly in pluvial basins that correlates to water laid volcanic deposits of Wells and Peck (1961). Tvb is described as volcanic and sedimentary rocks and basalt flows.

The proposed APOA well LAKE 52530 (owner well SVE 1) is about 390 feet northeast of the authorized POA well. It was drilled to 1360 feet depth. The lithology is similar to the authorized POA well in that it is predominantly sediments (mostly volcanic) with occasional basalt interbeds. Walker (1963) shows the site on a boundary between sedimentary deposits (QTs) and volcanic and sedimentary rocks (Tvb). QTs is described as lacustrine, fluvial, and Aeolian sedimentary rocks, interstratified tuff, ashy diatomite, and unconsolidated clay, sand, silt, and gravel, mostly in pluvial basins that correlates to water laid volcanic deposits of Wells and Peck (1961). Tvb is described as volcanic and sedimentary rocks and basalt flows.

The proposed APOA well LAKE 52529 (owner well SVE 2) is about 2,410 feet northeast of the authorized POA well. It was drilled to 1260 feet depth. The lithology is somewhat similar to the authorized POA well. Sediments (mostly volcanic) predominate from land surface to 185 feet depth and greater presence of rhyolite, basalt, and andesite rock are reported with less volcanic sediment from 185 feet depth to the well bottom. Walker (1963) shows the surface geology at the site as sedimentary deposits (QTs). QTs is described as lacustrine, fluvial, and Aeolian sedimentary rocks, interstratified tuff, ashy diatomite, and unconsolidated clay, sand, silt, and gravel, mostly in pluvial basins that correlates to water laid volcanic deposits of Wells and Peck (1961). Tvb is described as volcanic and sedimentary rocks and basalt flows. It appears to occur below the QTs at this site and may have been encountered at this well.

The proposed APOA well LAKE 1628 original, LAKE 1626 deepening (owner "Little Hot Well") is about 2,930 feet northeast of the authorized POA well. It was originally drilled to 315 feet depth. The water well reports (well log) for LAKE 1628 (original well) and LAKE 1626 (deepening) indicate predominantly basin fill materials with 62 feet of basalt from 298 to 360 feet depth. Hot water was encountered. The temperature was reported as 104 degrees when the well was originally constructed and 175 degrees after the well was deepened. The Lakeview watermaster reported on 21 October 2013 via e-mail that he video-logged the well and found the well had caved-in at the bottom of the 16 inch casing at 270 feet below land surface. Walker (1963) shows the site in an area mapped as sedimentary deposits (QTs) that are bounded by volcanic and sedimentary rocks (Tvb) to the west and alluvium (Qal) to the east. QTs is described as lacustrine, fluvial, and Aeolian sedimentary rocks, interstratified tuff, ashy diatomite, and unconsolidated clay, sand, silt, and gravel, mostly in pluvial basins that correlates to water laid volcanic deposits of Wells and Peck (1961). Tvb is described as basalt flows. Qal is described as unconsolidated fluvial gravel, sand, and silt. In places, it can include talus, conglomerate, lakebed deposits, and wind-blown sand.

3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No

The existing POA well (owner well #1 = LAKE 1627 original and LAKE 4448 reconditioning) appears to obtain groundwater from a predominantly basin fill sediment unit that includes volcanic sediments and some basalt. It should be noted that a predominantly basalt-volcanic rock and sediment unit likely occurs beneath the predominantly basin fill sediment unit. Reports for the Goose and Summer lakes Basin indicate groundwater in both the basin fill and basalt-volcanic units is likely hydraulically connected, making a single groundwater system occurring in geologic units with different permeability. A higher permeability and transmissivity generally occurs in the basalt-volcanic unit and a lower permeability and transmissivity generally occurs in the basin fill unit.

The proposed APOA well LAKE 52530 appears to obtain groundwater from a predominantly basin fill sediment unit that includes volcanic sediments and some basalt.

The proposed APOA well LAKE 1628 original, LAKE 1626 deepening (owner "Little Hot Well") appears to obtain groundwater from a predominantly basin fill sediment unit that includes volcanic sediments and some basalt also.

The proposed APOA well LAKE 52529 appears to obtain groundwater from the predominantly basalt-volcanic rock and sediment unit beneath the predominantly basin fill sediment unit. Groundwater in this unit is likely hydraulically connected to the groundwater in the predominantly basin fill sediment unit above.

b) If yes, estimate the portion of the right supplied by each of the sources and describe any limitations that will need to be placed on the proposed change (rate, duty, etc.): _____

Not applicable. See part 3a above.

4. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another ground water right**?

Yes No Comments: _____

Proposed APOA well LAKE 52530 (owner SVE 1 well), proposed APOA well LAKE 52529 (owner SVE 2 well), and the proposed APOA well LAKE 1628 original, LAKE 1626 deepening (owner "Little Hot Well") are closer to Paisley vicinity water right wells (particularly wells owned by the applicant) than the authorized POA well LAKE 1627 original and LAKE 4448 reconditioning (owner well #1), and they are closer to Paisley domestic wells also. So, the proposed change could increase the seasonal groundwater level drawdown at the Paisley vicinity water right wells and Paisley domestic wells.

b) If yes, would this proposed change, at its maximum allowed rate of use, likely result in another groundwater right not receiving the water to which it is legally entitled?

Yes No If yes, explain: _____

The increased drawdown at the closest water right well (LAKE 1625) is calculated to increase less than 1.1 feet by the end of the irrigation season, assuming continuous pumping at the maximum rate as a worst case scenario. The change at other water right and at domestic wells which are further away should be less. This change should be within the capacity of the existing water right wells and domestic wells. The calculations used the Theis equation and are shown in the attachments.

- 5. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another surface water source**?

Yes No Comments: _____

The river elevation intercepts the groundwater elevation at about 4380 feet elevation. This is where direct groundwater communication with the river likely begins. This location is downstream of the authorized POA (LAKE 1627 original and LAKE 4448 reconditioning = owner well #1 "Hot Well") and downstream of the closest proposed APOA well (LAKE 1628 original, LAKE 1626 deepening = owner "Little Hot Well"). The location where direct groundwater communication with the river likely begins is about 3,530 feet east of the authorized POA and about 1,340 feet southeast of the closest proposed APOA. Having a point of appropriation closer to the river will likely increase the interference with the river.

- b) If yes, at its maximum allowed rate of use, what is the expected change in degree of interference with any **surface water sources** resulting from the proposed change?

Stream: Chewaucan River
 Stream: _____

Minimal Significant
 Minimal Significant

Provide context for minimal/significant impact: _____

If all the pumping were to shift from the original POA to the propose APOA closest to the Chewaucan River as a worst case scenario, calculations indicate the depletion at the river would increase at the end of 30 and 245 days of continuous full maximum rate pumping (3.91 cfs or 1,755 gpm) about 0.087 cfs (39 gpm) and 0.050 (22 gpm) respectively as a worst case scenario. The natural river flow (80 percent exceedance) during the irrigation season ranges from a 314.00 cfs spring high flow to a 42.20 cfs late summer low flow.

6. What conditions or other changes in the application are necessary to address any potential issues identified above: _____

The following conditions are recommended if the transfer is approved:

- Condition 7P (well tag condition) applied to all the POA wells.

- Condition 7T (measurement tube) applied to all the POA wells.

“Large” condition (totalizing flow meter and reporting) applied to all POA wells.

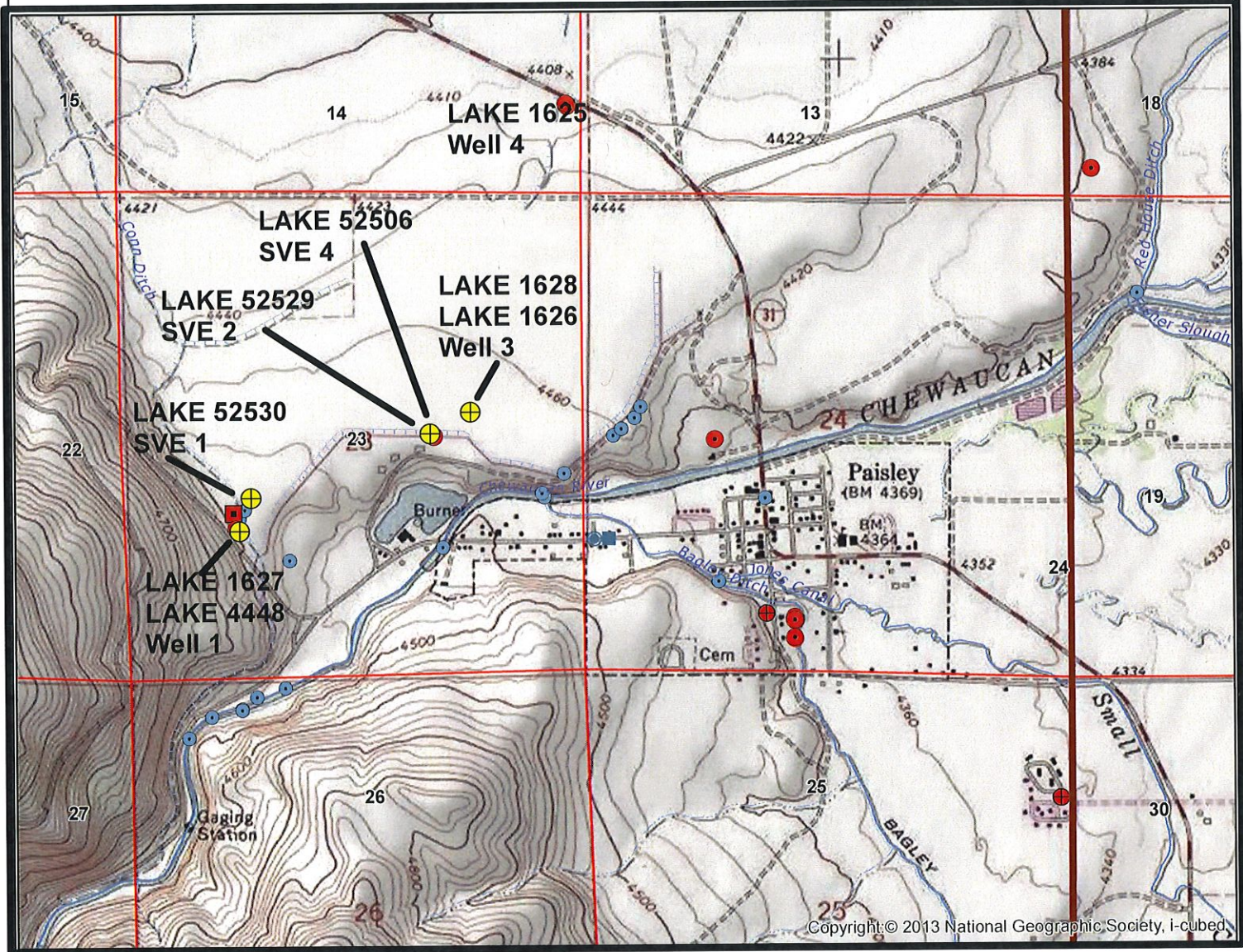
“Large” condition (totalizing flow meter and reporting) applied to the mainline conveyance(s) to the POU acres and to the mainline conveyance(s) to the geothermal operation.

- Special Well Reconstruction Condition: The proposed APOA well LAKE 1628 original, LAKE 1626 deepening (owner “Little Hot Well”) shall be reconstructed to meet current well construction standards prior to use. The well reconstruction shall be approved by both Department Well Enforcement Section staff located at Department headquarters and Department Groundwater Section hydrogeologist staff located at Department headquarters.

7. Any additional comments: _____

The proposed APOA well LAKE 1628 original, LAKE 1626 deepening (owner well “Little Hot Well”) has been the object of much discussion related to other water right reviews, in particular files LL-1450 and LL-1508 for Surprise Valley Electric. Reviews of this well under OAR 690-009 finds any proposed use of the well triggers a potential for substantial interference with the Chewaucan River because the well is less than one-mile from where groundwater intercepts the river and the calculated groundwater interference with the river is greater than 25-percent of the well’s pumping rate (the percent is independent of the pumping rate) at the end of 30 days pumping. Consequently for LL-1450, Surprise Valley Electric is required to use wells more than one-mile from where groundwater intercepts the river and at rates that the calculated groundwater interference with the river in the first 365 days is less than one-percent of the natural river flow (80-percent exceedance) for any given month. For LL-1508, use of the well is temporarily allowed for a limited time with the understanding that a solution is found that resolves the potential for substantial interference with the Chewaucan River issue.

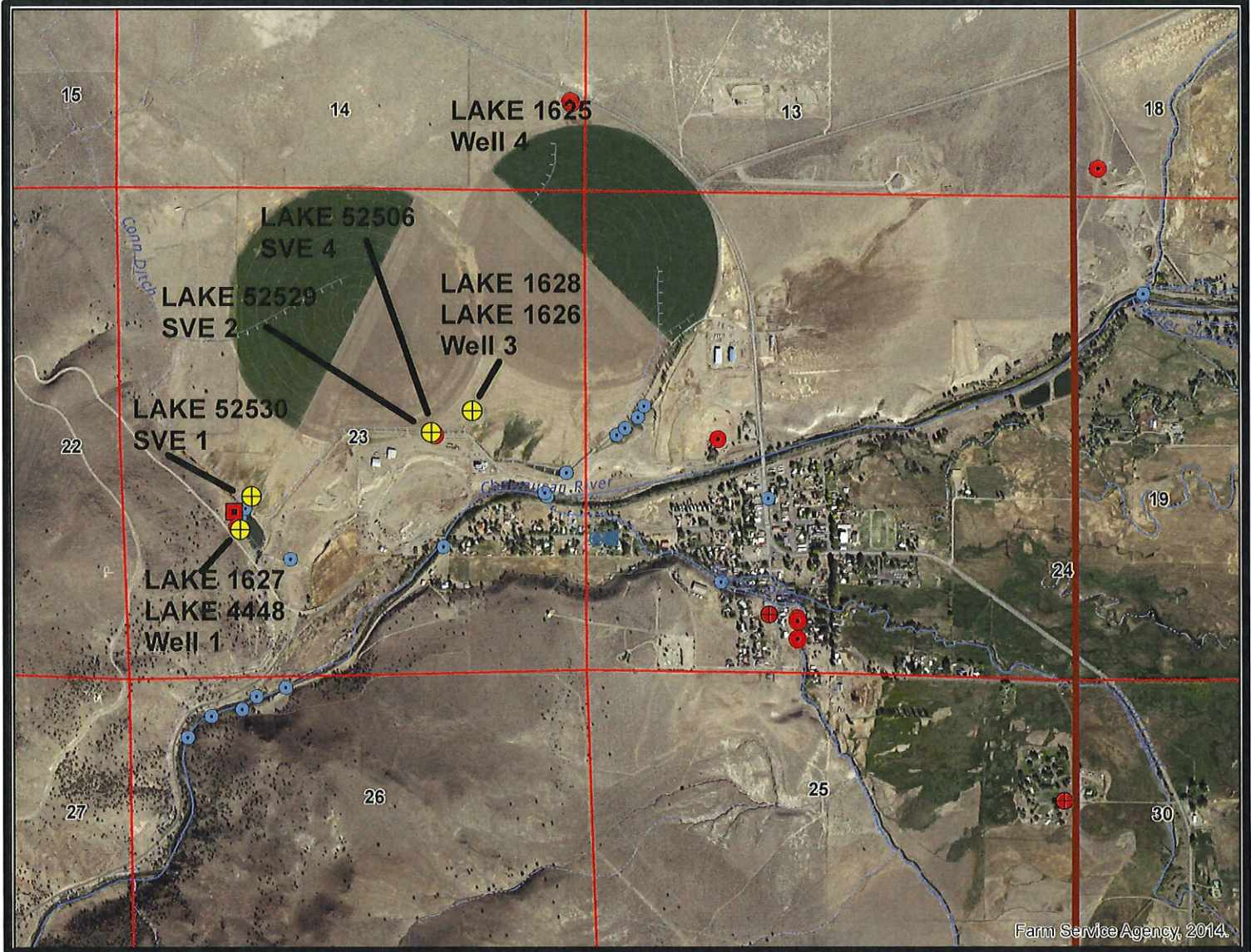
Groundwater Transfer Application T-11894 Colahan Enterprises



Yellow = Application Noted Well(s)
Red = Other Existing or Proposed Wells
Blue and Other = surface water rights



Groundwater Transfer Application T-11894 Colahan Enterprises



Yellow = Application Noted Well(s)
Red = Other Existing or Proposed Wells

Blue and Other = surface water rights



NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report
are to be filed with the

RECEIVED

WATER WELL REPORT

WATER RESOURCES DEPARTMENT
SALEM, OREGON 97310
within 30 days from the date
of well completion

OCT 24 1980 STATE OF OREGON
(Please type or print)

WATER RESOURCES DEPT.
Do not write above this line

SALEM, OREGON

per WWC
11/1/82 JCB

State Well No. 33 355/18E-2306
State Permit No. G-9765

(1) OWNER:

Name Ross Colahan
Address Box 89 Pineley, Ore.
97136

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cased Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded
16" Diam. from 0 ft. to 22 ft. Gage 1.250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? Yes No.

Type of perforator used

Size of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

a pump test made? Yes No. If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " " " " "
" " " " " " "
Pump test 800 gal./min. with ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 220 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 21 ft.
Diameter of well bore to bottom of seal 30 in.
Diameter of well bore below seal 15 1/2 to 360' 10" to 983
Number of sacks of cement used in well seal 28 sacks
How was cement grout placed? pressure grouted.
Was a drive shoe used? Yes No. Plugs Size: location ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Lake Driller's well number 124
NW 1/4 SW 1/4 Section 23 T. 35 S R. 18 E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 60 gal at 170 ft.
Static level 122 ft. below land surface. Date OCT. 22-80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 15 1/2 to 360
Depth drilled 983 ft. Depth of completed well 983 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown top soil	0	2	
Brown Basalt & Brn. clay	2	108	
Brown clay & Brn. rock	108	181	
170' w/pd seam.			
Brown clay	181	210	
Brown shale	210	251	
Blk clay	251	286	
med fossil shell	286	291	
med fossil thin blue shell	291	297	
Brown shale	297	330	
Green, Brown shale	330	720	
720' Hot water shale			
shale	720	775	
Hard Basalt	775	800	
Hard shale	800	983	

Work started Sept 1 1980 Completed OCT 22 1980
Date well drilling machine moved off of well OCT 22 1980

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Don Adams Date OCT 23, 1980
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1302

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Tyle Adams
(Person, firm or corporation) (Type or print)

Address Box 499 Hillman, Ore. 97133

[Signed] Tyle Adams
(Water Well Contractor)

Contractor's License No. 690 Date OCT 23 1980

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

Lake County
4448

App. 6-10791
WATER WELL REPAIR RECEIVED
STATE OF OREGON
(Please type or print)
OCT 2 1981
(Do not write above this line)

Lake County
State Well No. *33S/18E-23cd*
State Permit No. *Landowner*
Recondition

(1) OWNER:

Name *ROSS Colahan*
Address *Box 89 Paisley Ore*

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
D Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

NONE Threaded Welded
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? Yes No.
Type of perforator used *FACTORY 1/8" X 4"*
Size of perforations *1/8* in. by *4* in.
1.656 perforations from *4.76* ft. to *5.45* ft.
1.840 perforations from *6.69* ft. to *7.58* ft.
1.584 perforations from *5.70* ft. to *6.69* ft.

(7) SCREENS:

Well screen installed? Yes No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
800 gal./min. with *8* ft. drawdown after *4* hrs.
" " " " "
" " " " "
Bailer test gal./min. with ft. drawdown after hrs.
N/A g.p.m.
Temperature of water *212*° Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used *NOT DISTURBED*
Well sealed from land surface to ft.
Diameter of well bore to bottom of seal in.
Diameter of well bore below seal in.
Number of sacks of cement used in well seal sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons
of water lbs./100 gals.
Was a drive shoe used? Yes No Plugs Size: location ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Driller's well number
SE 1/4 SW 1/4 Section 23 T. 33 S R. 18 E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found *170* ft.
Static level *145* ft. below land surface. Date *9-22-81*
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing *N/A*
Depth drilled *0* ft. Depth of completed well *770* ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
<i>Installed Liner only</i>			
<i>178' 1/4" X 8" Liner</i>			
<i>From 592' TO 770'</i>			
<i>24' 375 wall X 12" From</i>			
<i>616' TO 640</i>			
<i>+1' TO 616 FT 1/4" X</i>			
<i>12" Liner</i>			
<i>BOTH 12" X 8"</i>			
<i>Liner has a drive</i>			
<i>Shoe</i>			

Work started *2/17* 19 *81* Completed *9-29* 19 *81*
Date well drilling machine moved off of well *9-28* 19 *81*

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Date, 19.....
(Drilling Machine Operator)
Drilling Machine Operator's License No.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name *Landowner Bank # BMD 221 9815*
(Person, firm or corporation) (Type or print)
Address *Box 89 Paisley Ore*
[Signed] *Ross Colahan*
(Water Well Contractor)

Contractor's License No. Date 19.....

NOTICE TO WATER WELL CONTRACTOR
 The original and first copy
 of this report are to be
 filed with the
 STATE ENGINEER, SALEM 10, OREGON
 within 30 days from the date
 of well completion.

RECEIVED
 WATER WELL REPORT
 APR 7 1964
 STATE OF OREGON
 (Please type or print)
 STATE ENGINEER
 SALEM, OREGON

Lake
 1628

State Well No. 33/18-23G
 State Permit No.

(1) OWNER:
 Name Ross Colohan
 Address Paisley, Oregon

(2) LOCATION OF WELL:
 County Lake Driller's well number
SW 1/4 NE 1/4 Section 23 T. 33S R. 18 E W.M.
 Bearing and distance from section or subdivision corner
1 1/2 miles NW of Paisley, Oregon

(3) TYPE OF WORK (check):
 New Well Deepening Reconditioning Abandon
 Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
 Domestic Industrial Municipal
 Irrigation Test Well Other
 (5) TYPE OF WELL:
 Rotary Driven
 Cable Jetted
 Dug Bored

(6) CASING INSTALLED:
 Threaded Welded
16" Diam. from 0 ft. to 270 ft. Gage .250
 " Diam. from " ft. to " ft. Gage
 " Diam. from " ft. to " ft. Gage

(7) PERFORATIONS:
 Type of perforator used Mills Perforated? Yes No
 Size of perforations 1/4 in. by 4 in.
1400 perforations from 100 ft. to 240 ft.
 perforations from " ft. to " ft.
 perforations from " ft. to " ft.
 perforations from " ft. to " ft.
 perforations from " ft. to " ft.

(8) SCREENS:
 Well screen installed Yes No
 Manufacturer's Name _____ Model No. _____
 Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:
 Well seal—Material used in seal puddled clay
 Depth of seal 22 ft. Was a packer used? NO
 Diameter of well bore to bottom of seal 22 in.
 Were any loose strata cemented off? Yes No Depth _____
 Was a drive shoe used Yes No
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

(10) WATER LEVELS:
 Static level 83 ft. below land surface Date 4/3/64
 Artesian pressure _____ lbs. per square inch Date _____

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? Contractor
 Yield: 150 gal./min. with 83 ft. drawdown after 3 hrs.
 " " " " " "
 " " " " " "
 Baller test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water 104 Was a chemical analysis made? Yes No

(12) WELL LOG: Diameter of well below casing 8
 Depth drilled 315 ft. Depth of completed well 315 ft.
 Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
soil zone, gravelly	0	3
loose gravel and sand, med.	3	11
clay&sand, brown	11	35
volcanic gravel & clay, brn	35	92
gravel, med. seepage of wat	92	94
gravel & clay, brn.	94	110
med. gravel & brn.	110	112
hard-packed sand and clay,	112	118
soft sandy clay, brown	118	121
sticky clay & gravel, brn.	121	124
loose gravel, fine waterbe	124	125
boulders & clay, gray	125	159
sandy clay, brown	159	176
fine gravel, waterbearing	176	182
sticky clay & gravel, gray	182	194
fine sand, white, waterbe	194	199
clay & gravel, brn.	199	220
fine sand, wht. & pink, wat	220	225
sandy clay & gravel, fine	225	230
med. gravel, waterbearing	230	234
sticky clay, brn.	234	298
basalt rock w/ clay string- ers, brown	298	315

Work started 3/7/64 19 _____ Completed 4/3/ 1964
 Date well drilling machine moved off of well 4/4 1964

(13) PUMP:
 Manufacturer's Name _____
 Type: _____ H.P. _____

Water Well Contractor's Certification:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 NAME Jack Stooksberry, Jr.
 (Person, firm or corporation) (Type or print)
 Address Route 2, Box 47, Lakeview, Ore.
 Drilling Machine Operator's License No. 45
 [Signed] Jack Stooksberry Jr.
 (Water Well Contractor)
 Contractor's License No. 211 Date 4/3, 1964

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.785)

Lake 1626

*33S 18E 23ac
 2200'*

(1) OWNER: Ross Colohan & Son Owner's Well Number: _____
 Name P.O. Box
 Address Paisely State Oreg. Zip 97636
 City _____

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION:
 Depth of Completed Well 415 ft.
 Special Standards date of approval _____

HOLE Diameter	From	To	SEAL		Amount sacks or pounds
			Material	From To	
3"	306	430	xxx	not disturbed	

How was seal placed? Method A B C D E
 Other not disturbed
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing/Liner	Diameter	From	To	Gauge	Steel		Plastic		Welded		Threaded	
					□	□	□	□	□	□	□	□
Casing:	8"	+2	300	.188	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method none
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Artesian
 Yield gal/min 50 Pumping level _____ Drill stem at 415 Time 1 hr

Temperature of water 175* Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom no
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other no
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Lake Latitude _____ Longitude _____
 Township 33S N or S, Range 18E E or W, WM.
 Section 23 SW 1/4 NE 1/4
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
120 ft. below land surface. Date Mar. 18-87
 Artesian pressure _____ lb. per square inch. Date _____

(11) WELL LOG: Ground elevation unknown

Material	From	To	WB?	SWL
Hard Grey Basalt	306	329		
Mild Brown Lava	329	331		
Hard Grey Basalt	331	337		
Mild Brown Lava	337	339		
Broken Lava, W/B	339	353	WB-	
Hard Basalt	353	360		
White Clays	360	375		
Brown & Blue Clays	375	430		
Brown & Blue Clays	430	432		

Date started Mar. 9-87 Completed Mar. 18-87

(unbonded) Water Well Constructor Certification:
 I constructed this well in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
 Signed [Signature] Date Mar. 22-87

(bonded) Water Well Constructor Certification:
 I accept responsibility for construction of this well and its compliance with all Oregon water well standards. This report is true to the best of my knowledge and belief.
 Signed [Signature] Date 4-9-87

Company Orvail Buckner Well Drilling, Inc.
 Co. No. _____ No. _____

LAKE 52529

LITHOGRAPHIC DESCRIPTION OF OIL OR GAS WELL

(Not required if a mud log is submitted)

STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 520.)

(1) Permittee Information

Name	Surprise Valley Electrification Corp.
Mailing Address	516 US Hwy 395 E.
City/State/Zip	Alturas, CA 96101
Telephone	530.233.3511
Fax	530.233.2190
Email	lynnsvec@frontier.com
Prepared by	Lynn Culp, Kyle Makovsky, Roy Mink, Silvio Pezzopane

(2) Well Information

Well No.	SVE #2
DOGAMI ID No.	36-037-90027 Lake 1628

General Manager

5/29/2012

Signature

Title

Date

(3) Well Cuttings

Depth		Description
From	To	
0	40	Brown clay soil and gravelly sand
40	60	Light brown ash fragments, reddish rhyolite, black basalt, minor calcite/quartz
60	80	Light brown/grey ash, red rhyolite, black basalt, cinders, rounded grains, black and red cuttings magnetic
80	105	Light grey/brown ash, red rhyolite, black basalt, rounded grains, chert and obsidian magnetic
105	125	Light grey/brown ash, red rhyolite, black basalt, rounded grains, purple, orange alteration, green stone
125	155	Grey/brown ash, red rhyolite, black basalt, rounded grains, black and grey chips magnetic, light tan pumice fragments
155	185	Grey/brown ash, red rhyolite, black basalt, magnetic, white/grey pumice green stone, minor alteration stains
185	210	Grey/brown rhyolite, red rhyolite with alteration, black basalt, white/grey pumice
210	245	Grey/brown rhyolite, red rhyolite, black basalt, light brown pumice
245	300	Grey/brown rhyolite, red and brown rhyolite, black basalt, pumice, rounded grains
300	340	Brown/grey rhyolite, rounded w/ some alteration, light grey tuff, black basalt/rhyolite; light grey tuff, feldspar chips
340	360	Grey/light brown rhyolite, dark grey/black rhyolite, light red/yellow altered rhyolite, some chips rounded
360	410	Grey/brown rhyolite, dark grey/black basalt, light red/yellow altered rhyolite, grey/white pumice, rounded pebbles
410	420	Black basalt, light brown rhyolite, some alteration
425	430	no data - no returns
435	460	Black basalt, light brown/grey rhyolite, red altered rhyolite
460	465	Fine sand of light brown/grey rhyolite, black basalt/rhyolite; light brown/red altered rhyolite
465	475	Light brown/grey rhyolite, black basalt/rhyolite, yellow/red altered rhyolite
475	490	Large amount fine sand, smaller cuttings are same as above with white alteration/pumice
490	510	Altered tuff, light grey to reddish brown to dark brown, waxy texture, amorphous silica present
510	530	no data - no returns
530	565	Dark to light gray basalt, andesite, white and green alteration minerals
565	620	Porphyritic basalt and andesite, pink/dark green/white alteration, opaline quartz, amorphous silica, calcite rhombs
620	695	Dark gray, green, purple, and red basalt, amorphous silica, euhedral quartz, and calcite in vesicles
695	710	Porphyritic andesite, opaline quartz
710	790	Gray green and red basalt, altered, fibrous banded white mineral, calcite rhombs, crystalline and opaline quartz
790	800	Olivine rich basalt, little alteration
800	815	Porphyritic andesite and basalt rock, highly altered, clear crystalline quartz, banded alteration
815	845	Amygdaloidal basalt, amygdules are green, white banded, botryoidal texture, calcite grains
845	890	Gray basalt, little to no alteration
890	905	Vesicular/amygdaloidal basalt, high amount of crystalline quartz filling vesicles
905	920	Basalt with pyrite mineralization
920	930	Gray basaltic andesite
930	960	Gray/red/purple basalt, calcite rhombs, some amygdaloidal calcite
960	1010	Dark gray and green basalt, calcite rhombs
1010	1070	Highly altered vesicular/amygdaloidal basalt, pyrite mineralization, dark green/white/pink alteration minerals
1070	1260	no data - no returns
	1260	- Total Depth

LAKE 52529



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301
(503) 986-0900
www.wrd.state.or.us

Application for
Well ID Number

RECEIVED BY OWRD

NOV 03 2014

SALEM, OR

Do not complete if the well already has a Well Identification Number.

I. OWNER INFORMATION

Current Owner Name (please print): Surprise Valley Electrification Corp. (SVEC); Attn: Lynn Culp
Mailing Address: 516 US Highway 395 E
City, State, Zip: Alturas, CA, 96101
Mail Well ID Tag to: [X] SAME AS ABOVE [] In Care Of (C/O)
Name & Address:
City, State, Zip:

II. WELL LOCATION INFORMATION (Please fill out as completely as possible)

Township: 33S (North / South) Range: 18E (East / West) Section: 23
Tax Lot: 1300 County Lake SW 1/4 of the NE 1/4
GPS Coordinates: already assigned a OWRD well Log number: LAKE 52529 - but does not have ID number
Street Address of Well, City:
If the property had a different street address in the past:

III. GENERAL WELL INFORMATION (Please fill out as completely as possible)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): industrial/geothermal & irrigation
Date Well Constructed (or property built): Feb 2012 Total Well Depth: 1260 Casing Diameter: 13 3/8"
Owner at time the well was constructed (if known): SVEC is well owner - Colahan's own the property
Other Information: Well Name: SVE-2

SUBMITTED BY (please print): Lynn Culp
PHONE: (530) 233-3511 EMAIL &/or FAX: lynnsvec@frontier.com

Send application to: Oregon Water Resources Department 725 Summer St NE, Suite A, Salem, Oregon 97301; or fax to (503) 986-0902. Applications are processed in the order they are received, and Well ID Numbers are mailed within 4-5 business days.

For Official Use Only by the Oregon Water Resources Department:

Received Date: 11-3-14

Well Log Number: LAKE 52529

Well Identification #: L-117044

LAKE 52530

LITHOGRAPHIC DESCRIPTION OF OIL OR GAS WELL

(Not required if a mud log is submitted)

STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 520.)

(1) Permittee Information

Name	Surprise Valley Electrification Corp.
Mailing Address	516 US Hwy 395 E
City/State/Zip	Alturas, CA 96101
Telephone	530.233.3511
Fax	530.233.2190
Email	lynnsvec@frontier.com
Prepared by	Lynn Culp, Silvio Pezzopane, Roy Mink, Kyle Makovsky

(2) Well Information

Well No.	SVE #1
DOGAMI ID No.	36-037-90009 Lake 448

General Manager

5/29/2012

Signature

Title

Date

(3) Well Cuttings

Depth		Description
From	To	
0	40	Brown clay soil and gravelly sand
40	75	Brownish-grey rounded mixed volcanic (basalt, rhyolite, andesite, tuff, pumice) gravel, qtz-rich sand
75	105	Grey quartz-rich sand, with thin brown and grey clay beds, Water Bearing (WB)
105	150	Greyish-brown mixed volcanic gravel, qtz-sand, and clay, WB
150	165	Brown mixed volcanic (basalt, rhyolite, andesite) gravel, rounded sand and clay
165	175	Brown clayey sand and mixed gravels
175	225	Blackish grey basalt gravel, w/ sand and clay beds, WB
225	240	Blackish grey to brown basalt and andesite gravel, and sand
240	305	Varicolored mixed volcanic (basalt, rhyolite, andesite, tuff) gravel and sand, w/ brown clay beds
305	360	Brown gravelly sand and brown clay beds
360	390	Varicolored (grey, brown, black, red, green) basalt, rhyolite, andesite gravel, sand, and brown clay, WB
390	415	Brownish grey and red volcanic gravel, sand, and clay, WB
415	435	Varicolored mixed volcanic gravel (basalt, rhyolite, andesite, tuff), rounded, reddish brown sand and clay
435	490	Varicolored coarse volcanic gravel, rounded, red to brown sand, brown sticky clay beds
490	530	Varicolored volcanic pebble gravel, rounded, w/ sand and reddish brown sticky clay
530	540	White calcite, black and grey basalt andesite, red rhyolite, red and grey tuff w/ brownish red sticky clay
540	575	Red sticky clay ash, vesicular and fibrous pumice clasts, minor sand, grey pebbles
575	640	Red and grey tuffs w/ altered vesicles, minor grey to greenish to black basalt, andesite, rhyolite, WB?
640	675	Red rhyolite tuff and grey andesite w/ altered vesicles, greenish basalt, blades of calcite
675	715	Light grey basalt, reddish brown and green alteration stains, altered vesicles, pyrite, euhedral calcite and quartz
715	715	Light greyish green rhyolite, reddish brown to dark purple basalt?, altered vesicles, pyrite, calcite and quartz
715	795	Dark greenish grey andesite?, dark purplish brown basalt, minor light red and white tuff, rare euhedral quartz
795	870	Dark grey to brown basalt w/ white pumice chunks, rare red and white tuff cinders, rare euhedral quartz
870	905	Dark greenish grey to dark purplish brown basalt, few pumice, rare euhedral and calcite quartz
905	920	Grey to white calcite flakes, possible fracture zone? no rock data - lost circulation, samples floated up during trip out
920	950	Brown sticky slick clay ash, large (<2 cm dia.) euhedral calcite chunks, red cinders and pumice, dries hard
950	1000	Purple, grey, and brown lithic tuff, poorly-welded?, soft waxy, sticky ashy clay, small calcite and quartz crystals
1000	1050	Green, grey, and brown andesite, alteration stains, red lithic tuff, cinders?, large euhedral calcite and quartz crystals
1050	1080	Dark greenish grey andesite, reddish purple stains, hard, fine-grained, large euhedral calcite flakes (fractures?)
1080	1100	no data - no returns
1100	1100	Red, grey, white, and brown lithic tuff or volcanoclastic sediment (depth uncertain, samples floated up during cleaning)
1100	1120	no data - no returns - lost circulation
1120	1120	Dark greenish grey andesite, reddish purple clay? stains, hard, fine-grained, red lithic tuff w/ euhedral quartz crystals, (depth uncertain, sample picked out of the drill collar)
1120	1133	no data - no returns
1133	1133	Reddish brown, lithic tuff, poorly-welded?, sticky clay, dries hard, small calcite and quartz crystals (depth uncertain, sample stuck to the drill bit face)
1133	1235	no data - no returns
1235	1315	Dark greenish grey andesite, red lithic tuff, euhedral quartz crystals, (depth uncertain, sample stuck to the bailer)
1315	1360	no data - no returns
	1360	- Total Depth

LAKE 52530



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301
(503) 986-0900
www.wrd.state.or.us

Application for
Well ID Number

RECEIVED BY OWRD

NOV 03 2014

SALEM, OR

Do not complete if the well already has a Well Identification Number.

I. OWNER INFORMATION

Current Owner Name (please print): Suprise Valley Electrification Corp. (SVEC); Attn: Lynn Culp
Mailing Address: 516 US Highway 395 E
City, State, Zip: Alturas, CA, 96101
Mail Well ID Tag to: [X] SAME AS ABOVE [] In Care Of (C/O)
Name & Address:
City, State, Zip:

II. WELL LOCATION INFORMATION (Please fill out as completely as possible)

Township: 33S (North / South) Range: 18E (East / West) Section: 23
Tax Lot: 1300 County Lake NE 1/4 of the SW 1/4
GPS Coordinates: already assigned a OWRD well Log number: LAKE 52530 - but does not have ID number
Street Address of Well, City:
If the property had a different street address in the past:

III. GENERAL WELL INFORMATION (Please fill out as completely as possible)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): industrial/geothermal & irrigation
Date Well Constructed (or property built): August 2012 Total Well Depth: 1360 Casing Diameter: 13 3/8 "
Owner at time the well was constructed (if known): SVEC is well owner - Colahan's own the property
Other Information: Well name: SVE-1

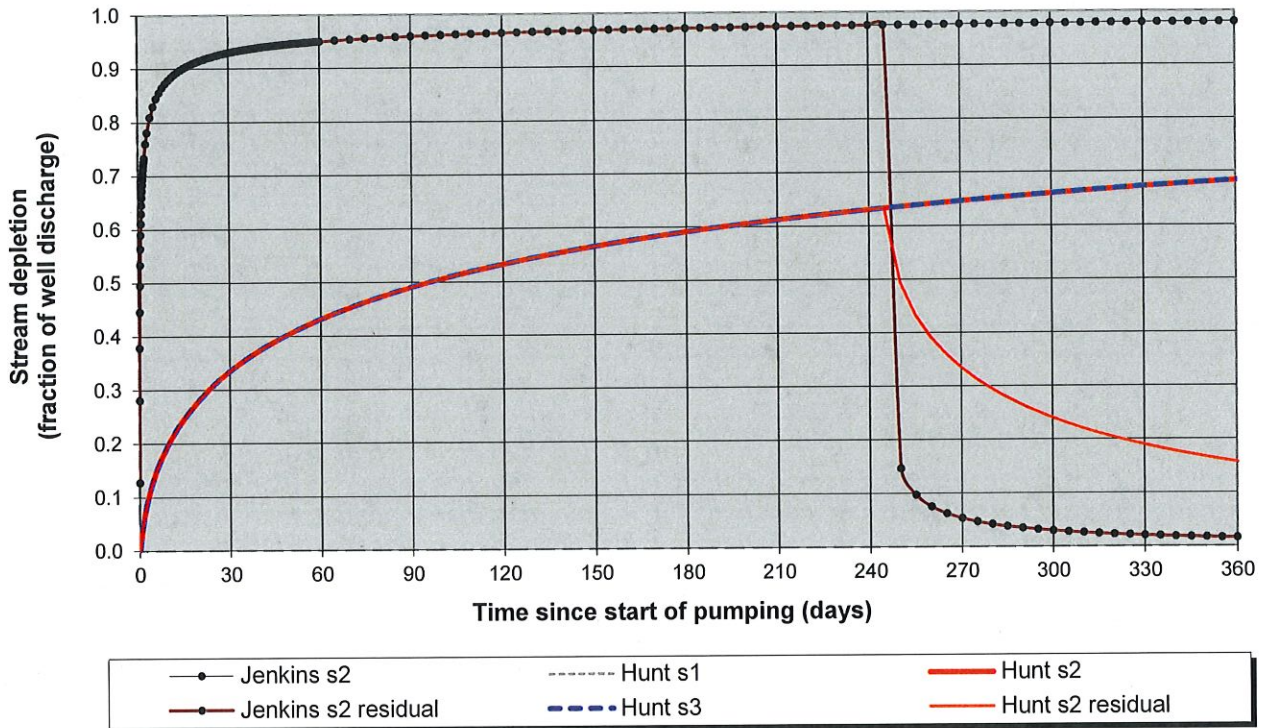
SUBMITTED BY (please print): Lynn Culp
PHONE: (530) 233-3511 EMAIL &/or FAX: lynnsvec@frontier.com

Send application to: Oregon Water Resources Department 725 Summer St NE, Suite A, Salem, Oregon 97301; or fax to (503) 986-0902. Applications are processed in the order they are received, and Well ID Numbers are mailed within 4-5 business days.

For Official Use Only by the Oregon Water Resources Department.
Received Date: 11-3-14
Well Log Number: LAKE 52530
Well Identification #: L-117043

Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)

LAKE 1627 to Chewaucan River



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 245 days

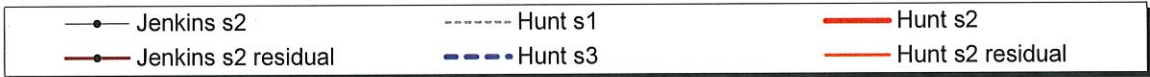
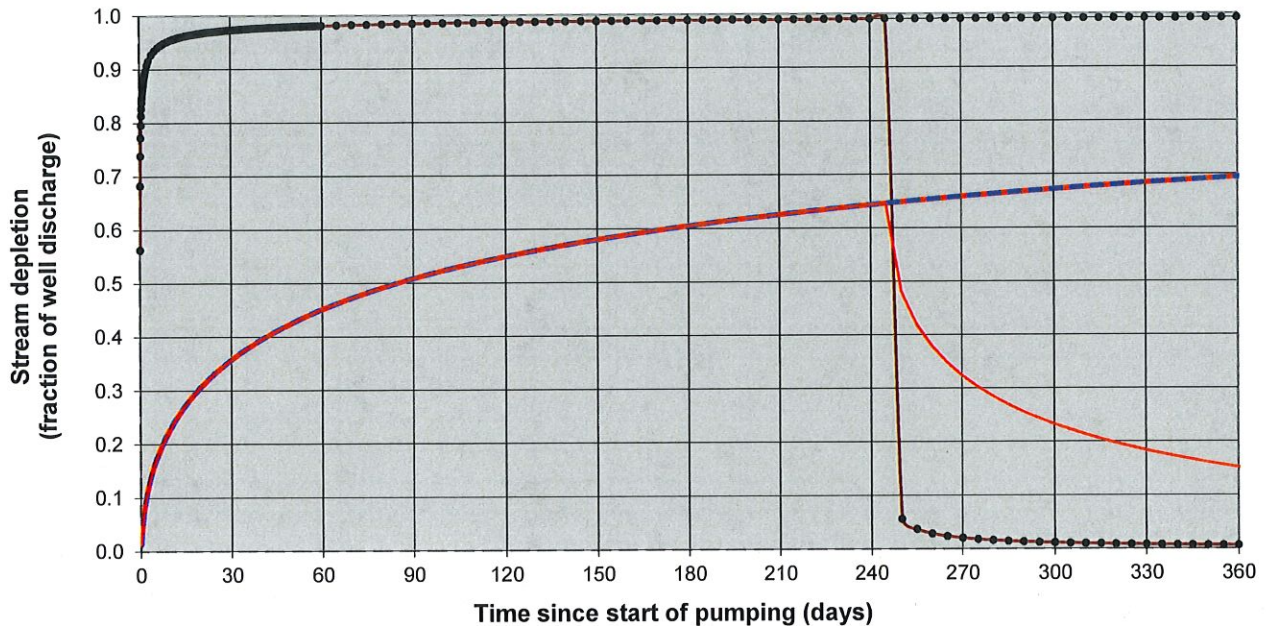
Days	30	60	90	120	150	180	210	240	270	300	330	360
Qw, cfs	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910
Jenk SD %	0.930	0.950	0.959	0.965	0.969	0.971	0.973	0.975	0.053	0.030	0.021	0.016
Jen SD cfs	3.636	3.716	3.752	3.773	3.787	3.798	3.806	3.813	0.209	0.116	0.080	0.061
Hunt SD %	0.336	0.432	0.491	0.533	0.565	0.591	0.613	0.631	0.335	0.241	0.190	0.157
Hunt SD cfs	1.312	1.689	1.920	2.084	2.210	2.311	2.395	2.466	1.309	0.941	0.742	0.613

Parameters:

		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	3.91	3.91	3.91	cfs
Distance to stream	a	3530	3530	3530	ft
Aquifer hydraulic conductivity	K	26.82035	26.82035	26.82035	ft/day
Aquifer thickness	b	1000	1000	1000	ft
Aquifer transmissivity	T	26820.35	26820.35	26820.35	ft*ft/day
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	60	60	60	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	ft/day
Streambed thickness	bs	20	20	20	ft
Streambed conductance	sbc	0.9	0.9	0.9	ft/day
Stream depletion factor (Jenkins)	sdf	0.464606167	0.464606167	0.464606167	days
Streambed factor (Hunt)	sbf	0.11845483	0.11845483	0.11845483	

Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)

LAKE 1628 to Chewaucan River



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 245 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Qw, cfs	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910	3.910
Jenk SD %	0.973	0.981	0.985	0.987	0.988	0.989	0.990	0.991	0.020	0.011	0.008	0.006
Jen SD cfs	3.806	3.836	3.850	3.858	3.863	3.867	3.871	3.873	0.079	0.044	0.030	0.023
Hunt SD %	0.358	0.451	0.508	0.549	0.580	0.605	0.626	0.643	0.324	0.233	0.184	0.151
Hunt SD cfs	1.399	1.765	1.988	2.147	2.268	2.366	2.447	2.516	1.267	0.910	0.718	0.592

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	3.91	3.91	3.91	cfs
Distance to stream	a	1340	1340	1340	ft
Aquifer hydraulic conductivity	K	26.82035	26.82035	26.82035	ft/day
Aquifer thickness	b	1000	1000	1000	ft
Aquifer transmissivity	T	26820.35	26820.35	26820.35	ft*ft/day
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	60	60	60	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	ft/day
Streambed thickness	bs	20	20	20	ft
Streambed conductance	sbc	0.9	0.9	0.9	ft/day
Stream depletion factor (Jenkins)	sdf	0.066949164	0.066949164	0.066949164	days
Streambed factor (Hunt)	sbf	0.044965856	0.044965856	0.044965856	

Transmissivity from Specific Capacity using the Theis Equation

Adapted from Vorhis (1979)

Theis Equation: $T = [Q/(4 \cdot s \cdot p)]W(u)$

$u = (r^2 S)/(4 T t)$

$W(u) = (-\ln u) - 0.5772157 + (u/1 \cdot 1) - (u^2/2!) + (u^3/3!) - (u^4/4!) + \dots$

$T =$ transmissivity (L²/T)

$s =$ drawdown (L)

$S =$ storage coefficient (dimensionless)

$pi = 3.141592654$

$r =$ radial distance (L)

$t =$ time (T)

$u =$ dimensionless

$W(u) =$ well function

Note: Transmissivity is derived using an iterative process

The calculations use a known or assumed Storage Coefficient (S) provided by the user

Specific Capacity (Q/s) is used to first approximate the Transmissivity (T) used to calculate u in the first Theis equation iteration

The Transmissivity of the previous iteration is used to calculate u in a given Theis equation iteration

Total Theis Equation iterations = 25 iterations

Can accept answer if difference in calculated Transmissivity for the last 2 iterations is < 0.0001

Can accept answer if u in the last iteration is < 7.1

Note: Well efficiency is not included in the calculations

References:

Theis, C.V., 1935. The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using ground water storage. American Geophysical Union Transactions, 16 annual meeting, vol. 16, pp. 519-524.

Vorhis, R.C., 1979. Transmissivity from pumped well data. Well Log, National Water Well Association newsletter, vol. 10, no. 11, Dec. 1979, pg. 50-52.

Data Entry

Well Log ID or Comment for Records

LAKE 1627 / LAKE 4448

Pumping Rate (gpm) = Q =

800.00 (gpm)

Drawdown (feet) = s =

8.00 (feet)

Time (hours) = t =

4.0000 (hours)

Storage Coefficient = S =

0.007000 (dimensionless)

Well Diameter (inches) = d =

12.0000 (inches)

Press F9 to Calculate

Calculated Results

Transmissivity (ft²/day) = T =

26,820.35 (ft²/day)

Transmissivity (gpd/ft) = T =

200,630.17 (gpd/ft)

Transmissivity Difference =

0.0000E+00 (ft²/day)

okay to use T if diff < 0.0001

u =

1.3982E-08 (last iteration)

okay to use T if u < 7.1

Drawdown s (feet)	Storage Coefficient S	Pumping Rate Q (gal/min)	Pumping Rate Q (ft ³ /sec)	Time t (days)	Distance r = dr/2 (feet)	u	W(u)	Transmissivity T (ft ² /day)	Transmissivity difference from previous	Comments	Theis Equation Iteration
8.00	0.00100	800.00	1.78	0.17	0.50	7.0000	1.1545E-04	19,250.00		W(u) calculation test	
8.00	0.00100	800.00	1.78	0.17	0.50	1.9481E-08	17.1766	26,312.31	7.0623E+03	T = Theis Equation	1.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.4252E-08	17.4892	26,791.05	4.7875E+02	T = Theis Equation	2.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3997E-08	17.5072	26,818.68	2.7622E+01	T = Theis Equation	3.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3983E-08	17.5082	26,820.25	1.5785E+00	T = Theis Equation	4.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	9.0162E-02	T = Theis Equation	5.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	5.1497E-03	T = Theis Equation	6.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	2.9413E-04	T = Theis Equation	7.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	1.6799E-05	T = Theis Equation	8.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	9.5951E-07	T = Theis Equation	9.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	5.4803E-08	T = Theis Equation	10.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	3.1323E-09	T = Theis Equation	11.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	1.7462E-10	T = Theis Equation	12.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	13.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	14.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	15.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	16.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	17.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	18.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	19.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	20.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	21.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	22.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	23.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	24.00
8.00	0.00100	800.00	1.78	0.17	0.50	1.3982E-08	17.5083	26,820.35	0.0000E+00	T = Theis Equation	25.00



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Watermaster Review Form: Water Right Transfer

Transfer Application: T-11894

Review Due Date: 11/12/2014

Applicant Name: Colahan Enterprises

Proposed Changes: POU POD POA USE OTHER

Reviewer(s): Brian Mayer

Date of Review: Nov. 12, 2014

1. Do you have evidence that the right has not been used in the last 5 years and that the presumption of forfeiture would not likely be rebuttable? Yes No If "yes", attach evidence (e.g. dated aerial photo showing pavement or building on the land for >5 yrs.)
2. Is there a history of regulation on the source that serves this (or these) right(s) that has involved the transferred right(s) and downstream water rights? Yes No
 Generally characterize the frequency of any regulation or explain why regulation has not occurred: _____
3. Have headgate notices been issued for the source that serves the transferred right(s)?
 Yes No Records not available.
4. In your estimation, after the proposed change would distribution of water for the right(s) result in regulation of other water rights that would not have occurred if use under the original right(s) was/were maximized?
 Yes No If "Yes", explain: _____
5. In your estimation, if the proposed change is approved, are there upstream water rights that would be affected? Yes No If "Yes", describe how the rights would be affected and list the rights most affected: _____
6. Check here if it appears that downstream water rights benefit from return flows resulting from the current use of the transferred right(s)? If you check the box, generally characterize the locations where the return flows likely occur and list the water rights that benefit most:
 _____. N/A
7. For POD changes and instream transfers, check here if there are channel losses between the old and new PODs or within the proposed instream reach? If you check the box, describe and, if possible, estimate the losses: _____. N/A
8. For instream transfers that propose protection of a reach beyond the mouth of the source stream: N/A Would the quantity be measureable into the receiving stream consistent with OAR 690-077-0015(8)? Yes No
9. For POU changes: N/A Is it likely the original place of use would continue to receive water from the same source? Yes No If "Yes", explain: _____

10. For POU or USE changes: N/A In your best judgment, would use of the existing right at "full face value," result in the diversion of more water than can be used beneficially and without waste? Yes No If "Yes", explain: _____
11. Are there other issues not identified through the above questions that should be considered in determining whether the change "can be effected without injury to other rights"? Yes No If "Yes", explain: Groundwater Section Review. This approval is contingent on a approval.
12. What alternatives may be available for addressing any issues identified above: _____
13. Do conditions need to be included in the transfer order to avoid enlargement of the right or injury to other rights? No Yes, as checked below:
- A Headgate should be required prior to diverting water.
- Measurement Devices for POD or POA: (if this condition is selected, also fill in the top sections of page 3)
- a. Before water use may begin under this order, the water user shall install a **totalizing flow meter***, or, with prior approval of the Director, another suitable measuring device, at each point of diversion/appropriation (new and existing) or at each new point of diversion/appropriation.*
- b. The water user shall maintain the meters or measuring devices in good working order.*
- c. The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.*
- Reservoir water use measurement: (if this condition is selected, also fill in the top sections of page 3)
- a. Before water use may begin under this order, the water user shall install **staff gages***, or, with prior approval of the Director, other suitable measuring devices, that measure the entire range and stage between empty and full in each reservoir. Staff gages shall be United States Geological Survey style.*
- b. Before water use may begin under this order, if the reservoir is located in channel, weirs or other suitable measuring devices must be installed upstream and downstream of the reservoir, and, an adjustable outlet valve must be installed. The water user shall maintain such devices in good working order. A written waiver may be obtained, if in the judgment of the Director, the installation of weirs or other suitable measuring devices, or the adjustable outlet valve, will provide no public benefit.*

*** The following alternative device(s) should be substituted for the bold, underlined device in the above selected condition:**

- Weir Submerged Orifice
- Parshall Flume Flow Restrictor
- Other: _____

Oregon Water Resources Department

Measurement Condition Information for the Applicant

(to be sent with the Draft Preliminary Determination or Final Order)

Transfer #: T-11894

In order to avoid enlargement of the right or injury to other rights, a Totalizing and instant read flowmeter will be required to be installed **prior to diversion of water**, as a condition of this transfer:

- at each point of diversion/appropriation (new and existing) or*
- at each new point of diversion/appropriation.*

For additional information, or to obtain approval of a different type of measurement device, the applicant should contact the area Watermaster:

Watermaster name: Brian Mayer

District: 12

Address: 513 Center St.

City/State/Zip: Lakeview OR 97630

Phone: 541 947 6038

Email: mayerbm@state.or.us

Note: If a device other than the one specified in the Preliminary Determination or Final Order is approved by the Watermaster, fill out and mail the form below to the Salem office.

Approval of an Alternate Measurement Device T-

(to be filled out after consultation with the applicant, or after a site visit)

On behalf of the Director, I authorize use of the following suitable **alternate measurement device**:

_____	_____	_____
Watermaster signature	District	Date

If this form is used for approval of an alternative measurement device, it must be mailed to:

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

SMITH Joan M

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Thursday, February 26, 2015 10:32 AM
To: SMITH Joan M
Subject: RE: Transfer Application T-11894
Attachments: T-11894 Well Correction Letter_Final.pdf

Hi Joan,

Please find attached the replacement pages to the T-11894 application that provided corrected well locations as we discussed over the phone yesterday.

Do not hesitate to call if you have any more questions.

Thanks for the help in finalizing this transfer.

Bruce



Bruce Brody-Heine, RG, CWRE | *Senior Hydrogeologist*
direct: (541) 678-5117 x 141 | mobile: (541) 390-0591
147 SW Shevlin Hixon Dr, Suite 201, Bend, OR 97702
bbheine@gsiws.com | <http://www.gsiwatersolutions.com>

From: SMITH Joan M [<mailto:joan.m.smith@state.or.us>]
Sent: Wednesday, February 25, 2015 2:58 PM
To: Bruce Brody-Heine
Subject: Transfer Application T-11894

Bruce, I am working on Transfer Application t-11894 and when I use the measurements from the application to locate SVE 2, Located 2665 feet North and 1725 feet West from the SE corner of Section 23, on our mapper this places that point in the SW NE, not the NW SE as listed in the application. The location of the point on the Application map also appears to be in the SW NE. Would you please confirm the location of SVE 2.

Thank you,

Joan Smith

Joan M Smith
Transfer Specialist
Oregon Department of Water Resources
725 Summer St NE Suite A
Salem Oregon 97301
phone 503-986-0892

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.

SMITH Joan M

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Wednesday, February 25, 2015 5:51 PM
To: SMITH Joan M
Subject: RE: Transfer Application T-11894

Hi Joan,

Thank you for noticing the well location error. My map person will make the corrections in the morning, and as discussed I will send you an electronic copy of the corrected Table 1 and the stamped and signed map, with the original dropped into the mail.

Bruce

From: SMITH Joan M [<mailto:joan.m.smith@state.or.us>]
Sent: Wednesday, February 25, 2015 2:58 PM
To: Bruce Brody-Heine
Subject: Transfer Application T-11894

Bruce, I am working on Transfer Application t-11894 and when I use the measurements from the application to locate SVE 2, Located 2665 feet North and 1725 feet West from the SE corner of Section 23, on our mapper this places that point in the SW NE, not the NW SE as listed in the application. The location of the point on the Application map also appears to be in the SW NE. Would you please confirm the location of SVE 2.

Thank you,

Joan Smith

Joan M Smith
Transfer Specialist
Oregon Department of Water Resources
725 Summer St NE Suite A
Salem Oregon 97301
phone 503-986-0892

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SMITH Joan M

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Wednesday, February 25, 2015 3:24 PM
To: SMITH Joan M
Subject: RE: Transfer Application T-11894

Hi Joan,
I will work on getting you an answer this afternoon sometime.

Bruce

From: SMITH Joan M [<mailto:joan.m.smith@state.or.us>]
Sent: Wednesday, February 25, 2015 2:58 PM
To: Bruce Brody-Heine
Subject: Transfer Application T-11894

Bruce, I am working on Transfer Application t-11894 and when I use the measurements from the application to locate SVE 2, Located 2665 feet North and 1725 feet West from the SE corner of Section 23, on our mapper this places that point in the SW NE, not the NW SE as listed in the application. The location of the point on the Application map also appears to be in the SW NE. Would you please confirm the location of SVE 2.

Thank you,

Joan Smith

Joan M Smith
Transfer Specialist
Oregon Department of Water Resources
725 Summer St NE Suite A
Salem Oregon 97301
phone 503-986-0892

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this e-mail address may be available to the public.**

SMITH Joan M

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Thursday, February 26, 2015 10:46 AM
To: SMITH Joan M
Subject: RE: Transfer Application T-11894

Hi Joan,

I just sent off an email with an electronic version of the well location corrections. The attached file was approximately 3 MB in size

So, I am just following up with you to make sure that you receive that email.

Thanks
Bruce

From: SMITH Joan M [<mailto:joan.m.smith@state.or.us>]
Sent: Wednesday, February 25, 2015 2:58 PM
To: Bruce Brody-Heine
Subject: Transfer Application T-11894

Bruce, I am working on Transfer Application t-11894 and when I use the measurements from the application to locate SVE 2, Located 2665 feet North and 1725 feet West from the SE corner of Section 23, on our mapper this places that point in the SW NE, not the NW SE as listed in the application. The location of the point on the Application map also appears to be in the SW NE. Would you please confirm the location of SVE 2.

Thank you,

Joan Smith

Joan M Smith
Transfer Specialist
Oregon Department of Water Resources
725 Summer St NE Suite A
Salem Oregon 97301
phone 503-986-0892

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.

Superseded



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Watermaster Review Form: Water Right Transfer

Transfer Application: T-11894

Review Due Date: 11/12/2014

Applicant Name: Colahan Enterprises

Proposed Changes: POU POD POA USE OTHER

Reviewer(s): Brian Mayer

Date of Review: Nov. 12, 2014

1. Do you have evidence that the right has not been used in the last 5 years and that the presumption of forfeiture would not likely be rebuttable? Yes No If "yes", attach evidence (e.g. dated aerial photo showing pavement or building on the land for >5 yrs.)
2. Is there a history of regulation on the source that serves this (or these) right(s) that has involved the transferred right(s) and downstream water rights? Yes No
Generally characterize the frequency of any regulation or explain why regulation has not occurred: _____
3. Have headgate notices been issued for the source that serves the transferred right(s)?
 Yes No Records not available.
4. In your estimation, after the proposed change would distribution of water for the right(s) result in regulation of other water rights that would not have occurred if use under the original right(s) was/were maximized?
 Yes No If "Yes", explain: _____
5. In your estimation, if the proposed change is approved, are there upstream water rights that would be affected? Yes No If "Yes", describe how the rights would be affected and list the rights most affected: _____
6. Check here if it appears that downstream water rights benefit from return flows resulting from the current use of the transferred right(s)? If you check the box, generally characterize the locations where the return flows likely occur and list the water rights that benefit most:
_____. N/A
7. For POD changes and instream transfers, check here if there are channel losses between the old and new PODs or within the proposed instream reach? If you check the box, describe and, if possible, estimate the losses: _____. N/A
8. For instream transfers that propose protection of a reach beyond the mouth of the source stream: N/A Would the quantity be measureable into the receiving stream consistent with OAR 690-077-0015(8)? Yes No
9. For POU changes: N/A Is it likely the original place of use would continue to receive water from the same source? Yes No If "Yes", explain: _____

10. For POU or USE changes: N/A In your best judgment, would use of the existing right at “full face value,” result in the diversion of more water than can be used beneficially and without waste? Yes No If “Yes”, explain: _____

11. Are there other issues not identified through the above questions that should be considered in determining whether the change “can be effected without injury to other rights”? Yes No If “Yes”, explain: Groundwater Section Review. This approval is contingent on a approval.

12. What alternatives may be available for addressing any issues identified above: _____

13. Do conditions need to be included in the transfer order to avoid enlargement of the right or injury to other rights? No Yes, as checked below:

A Headgate should be required prior to diverting water.

Measurement Devices for POD or POA: (if this condition is selected, also fill in the top sections of page 3)

a. *Before water use may begin under this order, the water user shall install a **totalizing flow meter***, or, with prior approval of the Director, another suitable measuring device, at each point of diversion/appropriation (new and existing) or at each new point of diversion/appropriation.*

b. *The water user shall maintain the meters or measuring devices in good working order.*

c. *The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.*

Reservoir water use measurement: (if this condition is selected, also fill in the top sections of page 3)

a. *Before water use may begin under this order, the water user shall install **staff gages***, or, with prior approval of the Director, other suitable measuring devices, that measure the entire range and stage between empty and full in each reservoir. Staff gages shall be United States Geological Survey style.*

b. *Before water use may begin under this order, if the reservoir is located in channel, weirs or other suitable measuring devices must be installed upstream and downstream of the reservoir, and, an adjustable outlet valve must be installed. The water user shall maintain such devices in good working order. A written waiver may be obtained, if in the judgment of the Director, the installation of weirs or other suitable measuring devices, or the adjustable outlet valve, will provide no public benefit.*

*** The following alternative device(s) should be substituted for the bold, underlined device in the above selected condition:**

Weir

Submerged Orifice

Parshall Flume

Flow Restrictor

Other: _____

Regular Permanent Water Right Transfer Application Checklist

Checked by Scott - CSB Date 9/26/14

Certs & acres involved: _____

Changes: _____

cfs involved: _____

Source: _____

(If OK, check box to left; if not, fill in the blank)

1. Page 1 of application: Are all attachments that have been checked actually included?
If not, what is missing? _____

2. Are fees included and correct? Fee paid: 1800
If not, the correct fee would be: _____, so the amount missing is: _____

▶ If a Substitution (see Page 5 of application)

Base fee for 1 well (POA)		\$725.00
Number of additional wells = _____	x \$350.00 =	
Total =		

▶ If a Government Action POD change (see: Page 5): NO CHARGE

▶ If any other type of "regular permanent" transfer:

Base fee for one water right, one change and first cfs =		\$1,000.00
# of additional water rights beyond the first (see Part 4 of application) =	<u>1</u>	x \$450.00 = <u>450</u>
Additional fee for groundwater staff review if any number of changes to well location(s), additional well(s) or change from SW diversion point to a well =		\$350.00 <u>350</u>
1 or 2 additional TYPEs of change* (see Page 5 of application) =		x \$800.00 =
If <i>Place of Use</i> or <i>Character of Use</i> change and transfer involves more than 1 cfs (based on primary acres x rate), # cfs or fraction above the first cfs =		x \$300.00 =
<i>HINT: Total cfs on WR (+) total # acres on WR (x) # acres involved in transfer = # cfs involved in transfer</i>		
Sub-total =		<u>1800</u>
If a letter from ODFW endorsing this as a "fish-friendly" transfer is included, multiply sub-total by 0.50 =		
Total = sub-total minus 50% "fish-friendly" reduction, if applicable =		

*NOTE: [POD/APOD, POA/APOA, SW to GW, Gov Action] are all counted as one type
POU is counted as one type
[USE *or* (Supplemental to Primary)] are counted as one type

3. Page 3 of application: Have all the applicants listed at the top of the page signed?
If no, whose signature is missing? _____

4. Are all listed certificates or permits shown by WRIS as non-cancelled? Yes N.C.
If no, which are cancelled? _____
For each cancelled certificate, if there has been a remaining right certificate issued that covers the lands in the left side of Table 2, list its number _____ and check the #4 box at left on this checklist.

5. If any certificate is in the name of a "district", is a Supplemental Form D from that district enclosed?
 N/A Form D needed from _____ (district)

6. If all #1-#5 boxes on this checklist are checked (with no remaining deficiencies identified), accept the application and assign it a numbered transfer folder. Put this check sheet in the transfer folder. If #1, #2, #3, #4 or #5 on this checklist is deficient, the application cannot be accepted. It should be returned and the **deficiencies listed in the "staff" section at the bottom of Application Page 1**, unless the applicant or agent can resolve the deficiencies within 2-3 days.



Oregon

John A. Kitzhaber, MD, Governor

October 15, 2014

Water Resources Department

North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

COLAHAN ENTERPRISES
ATTN ERIN DOUGLAS
PO BOX 300
PAISLEY, OR 97636

Reference: Application T- 11894

On September 26, 2014, we received your water right Transfer application. The application was accompanied by \$1800.00. Our receipt number 113538 is enclosed.

By copy of this letter, we are asking the Watermaster for a report regarding the potential for injury to existing water rights which may be caused by the requested change. A review form will also be sent to our groundwater staff to determine whether the proposed well accesses the same source of water as the original well.

Your application will be examined to determine whether additional information is needed. We will notify you if further information or corrections to the application or map are required.

This application may require publication of a notice for two consecutive weeks in a newspaper with general circulation in the area where the water right is located. If it is determined that newspaper notice will be required, the Department will prepare the notice and notify you of the cost. You will be responsible for submitting payment to the Department prior to publication of the notice.

Except as provided under ORS 540.510(3) for municipalities, you may not use water from the new point of appropriation until a final order approving the transfer application has been issued by the Department.

In order to avoid any possible forfeiture of the water right, you should continue to use the water as described by your existing water right.

If the land is sold before the application is approved, the buyer's consent to the application will be required unless a recorded deed or other legal document clearly established that the water right was not conveyed in the sale.

Refer to the following page for a chart showing the steps and expected timelines for the processing of your application.

If you have any questions, please contact the Transfer Section at (503)986-0807.

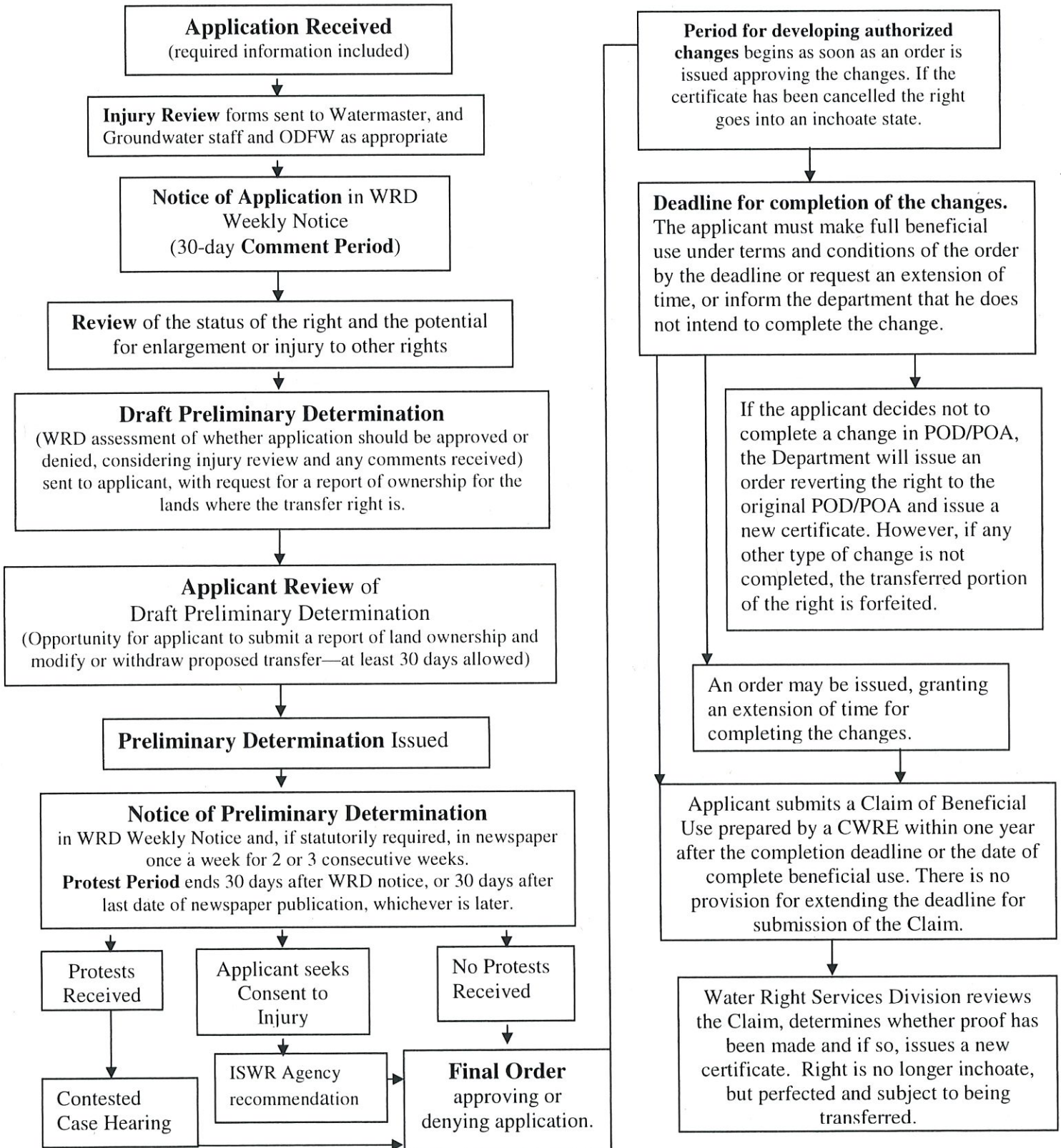
Cc: Watermaster Dist. #12 (*via email*)
Bruce Brody-heine, Agent

Enclosure



Regular Transfer Process (including “Proving Up” on the changes)

OAR 690 Division 380



Transfer Applications: Regular

The holder of a water right may apply to permanently change an existing water use subject to transfer as defined in ORS 540.505(4). An application may involve any of the following changes: Point of diversion or appropriation (POD; POA); Additional point of diversion or appropriation (APOD; APOA); Historic POD (HIST); Place of use (POU); Character of use (USE); Instream (ISWR); Substitution (SUB); or Exchange (EXCH).

The Department seeks public comment on the recently-filed transfer applications listed below. Any person may comment on a transfer application. Comments must be received by the Department on or before November 13, 2014. Any person who provides comments within the comment period will receive a copy of the Department's preliminary determination of whether the application should be approved or rejected after the Department has completed a review of the application and will be provided an opportunity to protest the application and preliminary determination at that time.

Transfer	T 11894
Water Right	Cert:89546 CF *, Cert:89355 CF *
County/Basin	Lake / Goose & Summer Lake(13)
Applicant Name	COLAHAN ENTERPRISES PO BOX 300 PAISLEY, OR 9763
Sources/TRSQ160Q40	A WELL > CHEWAUCAN RIVER / 33.00S 18.00E 23 SWNW A WELL > CHEWAUCAN RIVER / 33.00S 18.00E 23 SWNW
Use/Quantity	SUPPLEMENTAL IRRIGATION / 2.900 CFS SUPPLEMENTAL IRRIGATION / 1.010 CFS
Priority Date	04/09/1982, 04/19/1983



Water Solutions, Inc.

September 15, 2014

Kelly Starnes
Transfer Program Advisor
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301

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SEP. 26 2014
OWRD

**RE: Request to Revert the Remaining Portion of Transfer T-11214
(former Certificate 64775)**

Mr. Starnes:

On January 10, 2012, the Oregon Water Resources Department (Department) approved Transfer Application T-11214, filed by Colahan Enterprises. The original Transfer T-11214 authorized additional points of appropriation associated with Certificate 82230 and Certificate 64775 - adding Wells 2, 3 and 4 as new points of appropriation. Transfer T-11214 did not authorize a change in the character of use or place of use.

I request that the Department revert the remaining Certificate 64775 (2.9 cfs) associated with Transfer T-11214 back to Well 1, the original point of appropriation. The location for Well 1 was clarified and is most accurately described in the transfer final order.

I appreciate your attention to this request. Please feel free to contact me with any questions in regards to this request.

Sincerely,

A handwritten signature in blue ink that reads "Erin K. Douglas".

Erin K. Douglas
Secretary, Colahan Enterprises

Cc Lynn Culp - Surprise Valley Electrification Corp.
Bruce Brody-Heine - GSI Water Solutions, Inc.



September 25, 2014

Kelly Starnes
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application for Water Right Transfer
Certificate 89355 and Former Certificate 64775

Dear Kelly,

Enclosed is a Transfer application and supporting documentation for Certificate 89355 (formerly Certificate 82230) and former Certificate 64775. Former Certificate 64775 is currently part of Transfer T-11214; however we are requesting that this existing transfer be reverted. A letter requesting the reversion of Transfer T-11214 accompanies this application package.

This application is being submitted on behalf of Colahan Enterprises. The enclosed application proposes to add three additional points of appropriation that will provide redundancy in the system. Enclosed is a check for the application fee in the amount of \$1,800.00.

GSI Water Solutions, Inc., is the authorized agent for the applicant regarding this transaction, and should be copied on all correspondence associated with this application. Please do not hesitate to call if you have any questions or need additional information.

Sincerely,

A handwritten signature in blue ink that reads "Bruce Brody-Heine".

Bruce Brody-Heine
GSI Water Solutions, Inc.

Enclosures

Cc: Erin Douglas, Secretary - Colahan Enterprises
Lynn Culp, Surprise Valley Electrification Corporation

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SEP. 26 2014
OWRD



State of Oregon
 Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900

Application for Permanent Water Right Transfer

Part 1 of 5 – Minimum Requirements Checklist

This transfer application will be returned if Parts 1 through 5 and all required attachments are not completed and included.
 For questions, please call (503) 986-0900, and ask for Transfer Section.

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 SEP. 26 2014
 OWRD

Check all items included with this application. (N/A = Not Applicable)

- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Transfer Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator. If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 2 List them here: 89355 & former 64775** (*Transfer T-11214 being reverted and a new Certificate # currently being issued by Department – see attached reversion letter*) Please include a separate Part 5 for each water right. (See instructions on page 6)

Attachments:

- Completed Transfer Application Map.
- Completed Evidence of Use Affidavit and supporting documentation.
- N/A Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.)
- N/A Supplemental Form D – For water rights served by or issued in the name of an irrigation district. Complete when the transfer applicant is not the irrigation district.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Not required if water is to be diverted, conveyed, and/or used only on federal lands or if **all** of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.
- N/A Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500' from the surface water source and more than 1000' upstream or downstream from the point of diversion. See OAR 690-380-2130 for requirements and applicability.

(For Staff Use Only)

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

<input type="checkbox"/> Application fee not enclosed/insufficient	<input type="checkbox"/> Map not included or incomplete
<input type="checkbox"/> Land Use Form not enclosed or incomplete	<input type="checkbox"/> Part _____ is incomplete
<input type="checkbox"/> Additional signature(s) required	
Other/Explanation _____	
Staff: _____ 503-986-0 _____	Date: ____/____/____

Part 2 of 5 – Transfer Application Map Checklist

Your transfer application will be returned if any of the map requirements listed below are not met.

Please be sure that the transfer application map you submit includes all the required items and matches the existing water right map. Check all boxes that apply.

- N/A Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see http://apps.wrd.state.or.us/apps/wr/cwre_license_view/. CWRE stamp and signature are not required for substitutions.
- N/A If **more than three** water rights are involved, separate maps are needed for each water right.
- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the Final Proof/Claim of Beneficial Use Map (the map used when the permit was certificated), the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the water right is being changed, a separate hachuring is needed for lands left unchanged.
- N/A Proposed place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water right certificate or permit.
- N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Colahan Enterprises Attn: Erin Douglas			PHONE NO. 541-943-3341	ADDITIONAL CONTACT NO.
ADDRESS PO Box 300			FAX NO.	
CITY Paisley	STATE OR	ZIP 97636	E-MAIL lizzymongo@hotmail.com	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT/BUSINESS NAME GSI Water Solutions, Inc. Attn: Bruce Brody-Heine			PHONE NO. 541-678-5117	ADDITIONAL CONTACT NO.
ADDRESS 147 SW Shevlin Hixon Dr.			FAX NO.	
CITY Bend	STATE OR	ZIP 97702	E-MAIL bbheine@gsiws.com	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

Explain in your own words what you propose to accomplish with this transfer application, and why:
Propose to add three additional POAs in order to provide redundancy in source of water for our supplemental water rights.

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

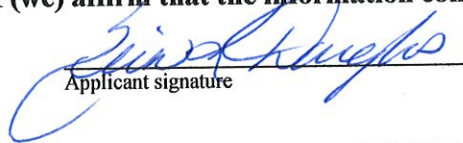
Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

Check One Box

- By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); OR
- I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; OR
- I affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

I understand that prior to Department approval of the transfer application, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: _____.

I (we) affirm that the information contained in this application is true and accurate.


 Applicant signature

Erin Douglas, Secretary
 Print Name (and Title if applicable)

9-16-14
 Date

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SEP 26 2014
OWRD

Applicant signature

Print Name (and Title if applicable)

Date

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located? Yes No *If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed.*

Check the following boxes that apply:

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The receiving landowner will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to this landowner.
- Both the receiving landowner and applicant will be responsible for completion of change(s). Copies of notices and correspondence should be sent to this landowner and the applicant.

At this time, are the lands in this transfer application in the process of being sold? Yes No

If YES, and you know who the new landowner will be, please complete the receiving landowner information table below. If you do not know who the new landowner will be, then a request for assignment will have to be filed for at a later date.

If a property sells, the certificated water right(s) located on the land belong to the new owner, unless a sale agreement or other document states otherwise. For more information see: <http://www.oregon.gov/owrd/docs/transfer-propertytransactions.pdf>

RECEIVING LANDOWNER NAME - NA -			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS				FAX NO.
CITY	STATE	ZIP	E-MAIL	

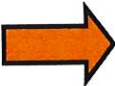
Describe any special ownership circumstances here: _____

- Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (**Tip:** Complete and attach Supplemental Form D.)

IRRIGATION DISTRICT NAME - NA -	ADDRESS	
CITY	STATE	ZIP

- Check here if water for any of the rights supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME - NA -	ADDRESS	
CITY	STATE	ZIP

 To meet State Land Use Consistency Requirements, you must list all county, city, municipal corporation, or tribal governments within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME Lake County Planning Department	ADDRESS 513 Center St.	
CITY Lakeview	STATE OR	ZIP 97630

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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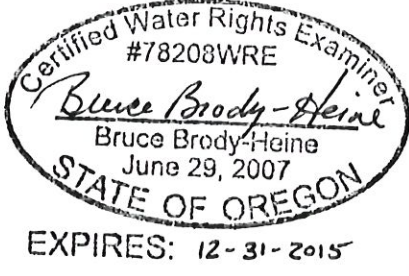
Water Right Transfer Map To Add Points of Appropriation Certificate 89355 & Former Certificate 64775

T-11894

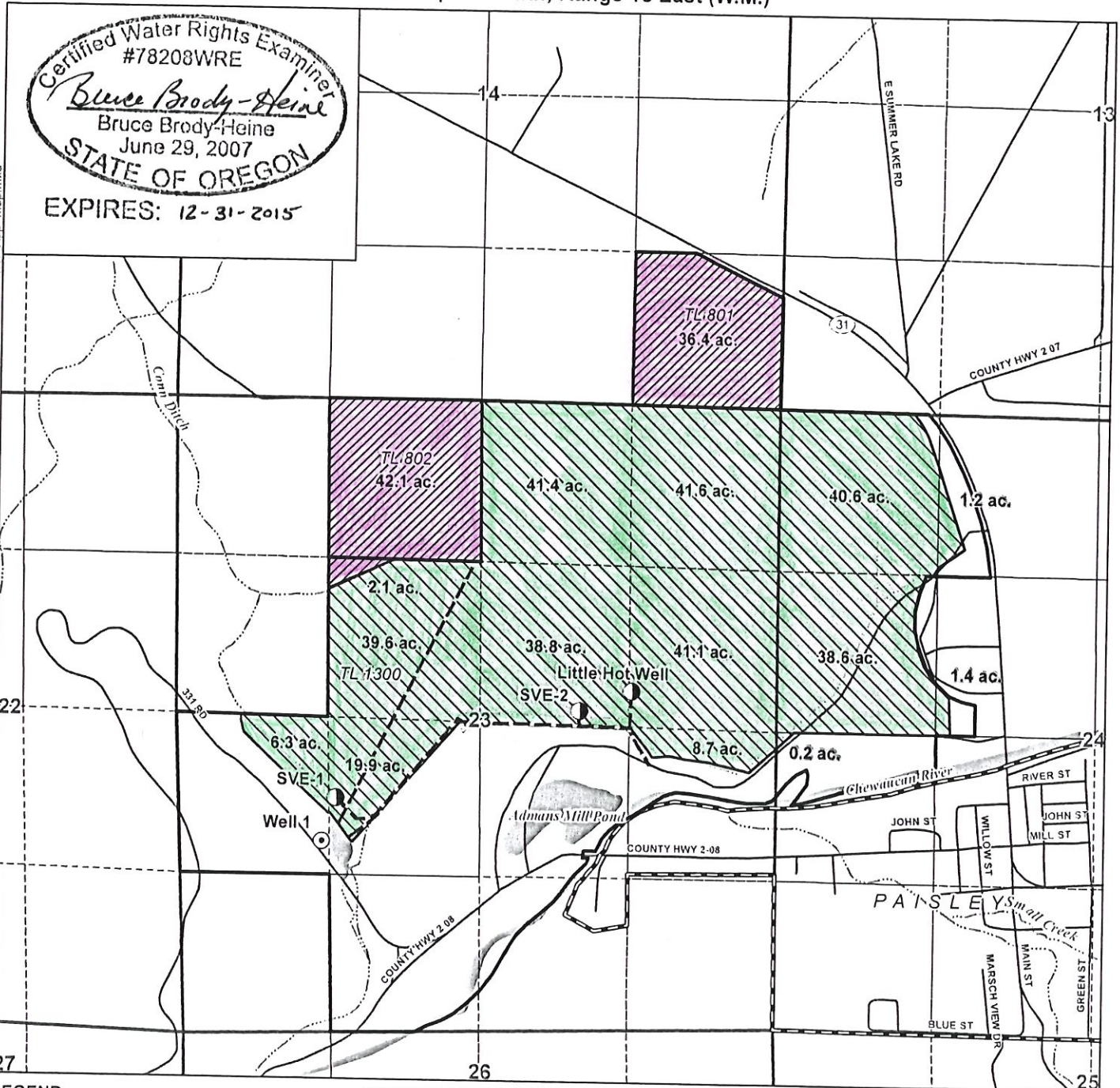
COPY

Colahan Enterprises

Township 33 South, Range 18 East (W.M.)



Document Path: P:\Portland\524-Surprise Valley Elec Corp\001-Paisley OR Gsotherm Plant\Project_GIS\Project_mxd\Permanent_Transfer_Acp_Map.mxd



LEGEND

- Authorized Point of Appropriation (APOA)
- Proposed APOA
- Place of Use (POU)**
- Certificate 89355
- Former Certificate 64775 (new certificate # being issued) 89546
- All Other Features**
- Distribution Pipeline
- Paisley City Limits
- Tax Lots
- Roads
- Watercourses
- Waterbodies

POA LOCATION DESCRIPTIONS

- Well 1**
Located 1,680 feet North and 1,240 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)
- SVE-1**
Located 2,050 feet North and 1,370 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)
- SVE-2**
Located 2,665 feet North and 1,725 feet West from the SE corner of Section 23, Township 33 South, Range 18 East (W.M.)
- Little Hot Well**
Located 310 feet North and 1,270 feet West from the E1/4 corner of Section 23, Township 33 South, Range 18 East (W.M.)

Disclaimer

This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

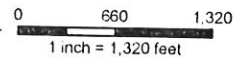
Map Notes

Date: September 16, 2014
Data Sources: OWRD, USGS, US BLM, ESRI
Prepared By: GSI Water Solutions, Inc.

Revised

RECEIVED

SEP. 26 2014



Received 2-26-15 *[Signature]*

Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 89355

Description of Water Delivery System

System capacity: 1.01 cubic feet per second (cfs) OR
 _____ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Hot Well)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LAKE 1627, 4448	33	S	18	E	23	NW	SW	1300	1680' N and 1240' E from the SW corner of Section 23.
SVE 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52530	33	S	18	E	23	NW	SW	1300	1853' N and 1208' E from the SW corner of Section 23.
SVE 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52529	33	S	18	E	23	SW	NE	1300	2665' N and 1725' W from the SE corner of Section 23.
Little Hot Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 1628, 1626	33	S	18	E	23	SW	NE	1300	347' N and 1386' W from the E 1/4 corner of Section 23

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |



Water Solutions, Inc.

February 26, 2015

Joan Smith
Transfer Specialist
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application for Water Right Transfer T-11894
Well Location Corrections

Dear Joan,

Please find enclosed two replacement pages for the Transfer Application T-11894 submitted on behalf of Colahan Enterprises. The attached pages include page 7 of the application with the well locations in Table 1 revised, and an updated transfer application map that has been stamped and signed.

Please do not hesitate to call if you have any questions or need additional information. I can be reached at phone number 541.678.5117 x141 or by email at bbheine@gsiws.com.

Sincerely,

A handwritten signature in cursive script that reads "Bruce Brody-Heine".

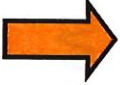
Bruce Brody-Heine
GSI Water Solutions, Inc.

Enclosures

For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the “from” or the “to” lands? Yes No N/A No POU change

If YES, list the certificate, water use permit, or ground water registration numbers: - **NA** -



Pursuant to ORS 540.510, any “layered” water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) - **NA** -

Ground water supplemental Permit or Certificate # - **NA** -;
Surface water primary Certificate # - **NA** -;

For a change from Supplemental Irrigation Use to Primary Irrigation Use

Identify the primary certificate to be cancelled. Certificate # - **NA** -

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

Tip: You may search for well logs on the Department’s web page at:
http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide “a best estimate” for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? ((Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right

Similar OWRD Groundwater reviews were completed under the Transfer T-11214 (GW review dated 5/16/2011) and for the recent drought temporary transfer application T-11860 (GW review dated 7/23/2014)

Received 2/26/15 *js*

Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 89355

Description of Water Delivery System

System capacity: 1.01 cubic feet per second (cfs) OR
 _____ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Hot Well)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LAKE 1627, 4448	33	S	18	E	23	NW	SW	1300	1680' N and 1240' E from the SW corner of Section 23.
SVE 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52530	33	S	18	E	23	NW	SW	1300	1853' N and 1208' E from the SW corner of Section 23.
SVE 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52529	33	S	18	E	23	SW	NE	1300	2665' N and 1725' W from the SE corner of Section 23.
Little Hot Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 1628, 1626	33	S	18	E	23	SW	NE	1300	347' N and 1386' W from the E 1/4 corner of Section 23

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the “from” or the “to” lands? Yes No N/A No POU change

If YES, list the certificate, water use permit, or ground water registration numbers: - NA -

Pursuant to ORS 540.510, any “layered” water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) - NA -

Ground water supplemental Permit or Certificate # - NA -;
 Surface water primary Certificate # - NA -;

For a change from Supplemental Irrigation Use to Primary Irrigation Use

Identify the primary certificate to be cancelled. Certificate # - NA -

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

Tip: You may search for well logs on the Department’s web page at:
http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide “a best estimate” for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right

Similar OWRD Groundwater reviews were completed under the Transfer T-11214 (GW review dated 5/16/2011) and for the recent drought temporary transfer application T-11860 (GW review dated 7/23/2014)

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Attachment A

Transfer Application Map

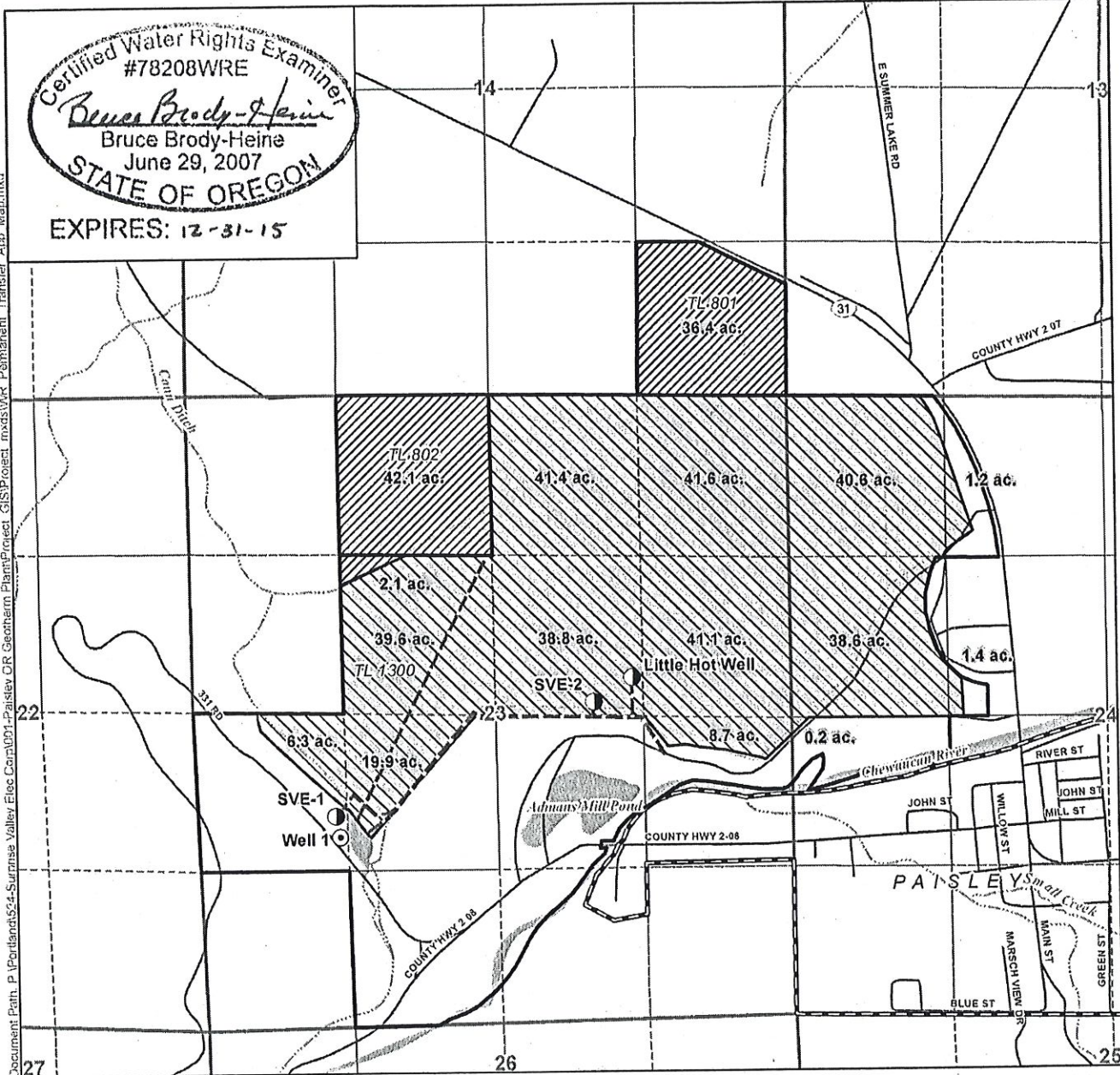
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Received 2/26/15 gr

Water Right Transfer Map To Add Points of Appropriation Certificate 89355 & Former Certificate 64775

Colahan Enterprises

Township 33 South, Range 18 East (W.M.)



Certified Water Rights Examiner
#78208WRE
Bruce Brody-Heine
Bruce Brody-Heine
June 29, 2007
STATE OF OREGON
EXPIRES: 12-31-15

Document Path: P:\Portland\524-Surprise Valley Elec Cert\091-Paisley CR Geoterm Plant\Project_GIS\Project.mxd\WR_Permanent_Transfer_App_Map.mxd

- LEGEND**
- ⊙ Authorized Point of Appropriation (APOA)
 - Proposed
 - Place of Use (POU)**
 - ▨ Certificate 89355
 - ▩ Former Certificate 64775 (new certificate # being issued)
 - All Other Features**
 - Distribution Pipeline
 - ☐ Paisley City Limits
 - ☐ Tax Lots

- Roads
- ~ Watercourses
- ☁ Waterbodies

POA LOCATION DESCRIPTIONS

Well 1
Located 1,680 feet North and 1,240 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-1
Located 1,853 feet North and 1,208 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-2
Located 2,665 feet North and 1,725 feet West from the SE corner of Section 23, Township 33 South, Range 18 East (W.M.)

Little Hot Well
Located 347 feet North and 1,386 feet West from the E 1/4 corner of Section 23, Township 33 South, Range 18 East (W.M.)

Disclaimer
This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Map Notes
Date: February 26, 2015
Data Sources: OWRD, USGS, US BLM, ESRI
Prepared By: GSI Water Solutions, Inc.

0 660 1,320
1 inch = 1,320 feet

Attachment B

Evidence of Use Affidavit

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Application for Water Right Transfer

Evidence of Use Affidavit



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Please print legibly or type. Be as specific as possible. Attach additional pages if you need more spacing. Supporting documentation must be attached.

State of Oregon)
) ss
 County of LAKE)

I, ERIN DOUGLAS, in my capacity as IRRIGATION MANAGER,

mailing address PO BOX 300 PAISLEY, OR 97636

telephone number (541)943-3341, being first duly sworn depose and say:

1. My knowledge of the exercise or status of the water right is based on (check one):

- Personal observation Professional expertise

2. I attest that:

Water was used during the previous five years on the entire place of use for Certificate # 89355 AND # FORMER 64775 (OWRD CURRENTLY ISSUING NEW CERT #); **OR**

My knowledge is specific to the use of water at the following locations within the last five years:

Certificate #	Township	Range	Mer	Sec	¼ ¼	Gov't Lot or DLC	Acres (if applicable)

OR

- Confirming Certificate # _____ has been issued within the past five years; **OR**
- Part or all of the water right was leased instream at some time within the last five years. The instream lease number is: _____ (Note: If the entire right proposed for transfer was not leased, additional evidence of use is needed for the portion not leased instream.); **OR**
- The water right is not subject to forfeiture and documentation that a presumption of forfeiture for non-use would be rebutted under ORS 540.610(2) is attached.
- Water has been used at the actual current point of diversion or appropriation for more than 10 years for Certificate # _____ (For Historic POD/POA Transfers)

(continues on reverse side)

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3. The water right was used for: (e.g., crops, pasture, etc.): ALFALFA HAY AND PASTURE FOR LIVESTOCK.

4. I understand that if I do not attach one or more of the documents shown in the table below to support the above statements, my application will be considered incomplete.

Erin Dupes
Signature of Affiant

9-16-14
Date

Signed and sworn to (or affirmed) before me this 16 day of September, 2014.



Vicki L Huck
Notary Public for Oregon

My Commission Expires: 5-17-2016

Supporting Documents	Examples
<input type="checkbox"/> Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate)	Copy of confirming water right certificate that shows issue date
<input type="checkbox"/> Copies of receipts from sales of irrigated crops or for expenditures related to use of water	<ul style="list-style-type: none"> ● Power usage records for pumps associated with irrigation use ● Fertilizer or seed bills related to irrigated crops ● Farmers Co-op sales receipt
<input type="checkbox"/> Records such as FSA crop reports, irrigation district records, NRCS farm management plan, or records of other water suppliers	<ul style="list-style-type: none"> ● District assessment records for water delivered ● Crop reports submitted under a federal loan agreement ● Beneficial use reports from district ● IRS Farm Usage Deduction Report ● Agricultural Stabilization Plan ● CREP Report
<input checked="" type="checkbox"/> Aerial photos containing sufficient detail to establish location and date of photograph	<p>Multiple photos can be submitted to resolve different areas of a water right. If the photograph does not print with a "date stamp" or without the source being identified, the date of the photograph and source should be added.</p> <p>Sources for aerial photos: OSU – www.oregonexplorer.info/imagery OWRD – www.wrd.state.or.us Google Earth – earth.google.com TerraServer – www.terraserver.com</p>
<input type="checkbox"/> Approved Lease establishing beneficial use within the last 5 years	Copy of instream lease or lease number

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8/19/2014

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Lake

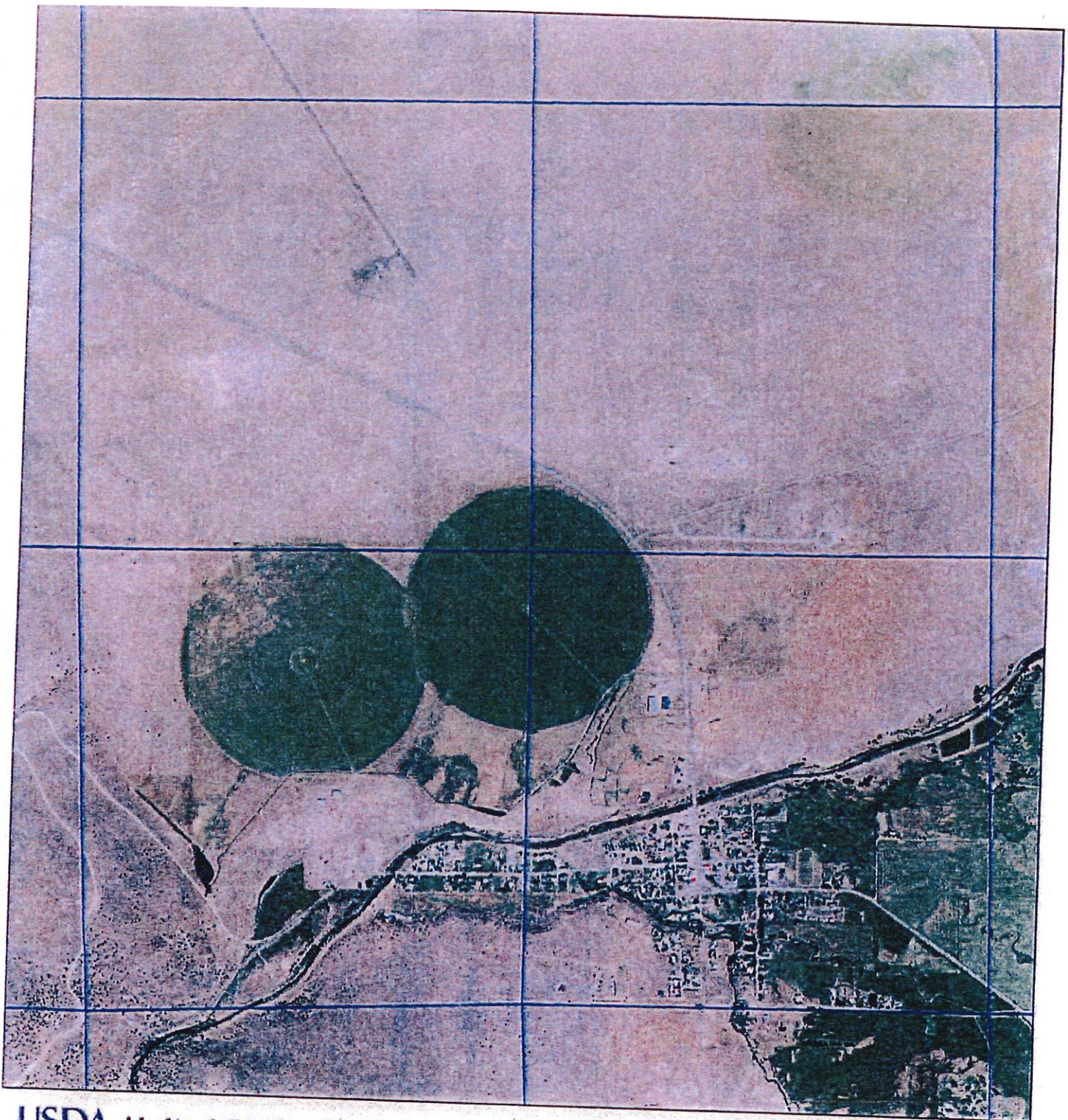
Image USDA Farm Service Agency

Admans Mill Pond

Imagery Date: 8/1/2011 42°42'04.09" N 120°33'24.65" W Elev: 4452

GOOGLE

1994



**United States Department of Agriculture
Farm Service Agency**

Wetland Determination Identifiers

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions
- Section Boundary
- CLU Boundary



**T33S,R18E. Sect: 13/14/23/24
2009 Imagery**

USDA FSA maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or the 2009 ortho rectified imagery for Oregon. The producer accepts the data 'as is' and assumes all risks associated with its use. The USDA Farm Service Agency assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-025 and attached maps) for exact boundaries and determinations, or contact NRCS.

1:18,521

February 18, 2011

Attachment C

Land Use Information Form

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Land Use Information Form



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Applicant(s): Colahan Enterprises

Mailing Address: PO Box 300

City: Paisley

State: OR

Zip Code: 97636

Daytime Phone: (541) 943-3341

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:	Proposed Land Use:
	See attached table				_____	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____
					_____	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____
					_____	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____
					_____	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Lake County

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
 Water Right Transfer
 Permit Amendment or Ground Water Registration Modification
 Limited Water Use License
 Allocation of Conserved Water
 Exchange of Water

Source of water: Reservoir/Pond Ground Water Surface Water (name) _____

Estimated quantity of water needed: 3.91 cubic feet per second gallons per minute acre-feet

Intended use of water: Irrigation Commercial Industrial Domestic for _____ household(s)
 Municipal Quasi-Municipal Instream Other _____

Briefly describe:

Propose to add 3 additional points of appropriation to provide redundancy in irrigation system.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): Lake Co. Zoning Ord. (A-2 zone) ARTICLE 3.
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: DARWIN JOHNSON JR. Title: PLANNING DIRECTOR
 Signature: [Signature] Phone: 541-947-6036 Date: 22 SEPT 2014
 Government Entity: LAKE COUNTY PLANNING DEPT.

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____
 City or County: _____ Staff contact: _____
 Signature: _____ Phone: _____ Date: _____

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A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:	Proposed Land Use:
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NW SW</u>	<u>1300</u>	_____	<input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>14</u>	<u>SE SE</u>	<u>801</u>	_____	<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NE NW</u>	<u>802</u>	_____	<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>SE NW</u>	<u>1300</u>	_____	<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NW SE</u>	<u>1300</u>		<input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>SW NE</u>	<u>1300</u>		<input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NE NE</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NW NE</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>SE NE</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NE SW</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>23</u>	<u>NE SE</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>24</u>	<u>NE NW</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>24</u>	<u>NW NW</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>24</u>	<u>SW NW</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>24</u>	<u>SE NW</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>
<u>33 S</u>	<u>18 E</u>	<u>24</u>	<u>NW SW</u>	<u>1300</u>		<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Irrigation</u>

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Attachment D

Well Logs

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**Colahan's Transfer Application
Water Wells**

Well Name	OWRD Water Well Log Number
Existing POA	
Hot Well	LAKE 1627 & 4448
Additional POAs	
Little Hot Well	LAKE 1628 & 1626
SVE -1	LAKE 52530
SVE-2	LAKE 52529

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NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the
STATE ENGINEER, SALEM 10, OREGON
within 30 days from the date
of well completion.

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APR 7 1964
STATE OF OREGON
STATE ENGINEER
SALEM, OREGON

Lake
1628

State Well No. 33/18-23G
State Permit No.

(1) OWNER:

Name Ross Colohan
Address Paisley, Oregon

(2) LOCATION OF WELL:

County Lake Driller's well number
SW 1/4 NE 1/4 Section 23 T. 33S R. 18 E W.M.
Bearing and distance from section or subdivision corner
1 1/2 miles NW of Paisley, Oregon

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

Threaded Welded
16" Diam. from 0 ft. to 270 ft. Gage .250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used Mills
Size of perforations 1/4 in. by 4 in.
1400 perforations from 100 ft. to 240 ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

(8) SCREENS:

Well screen installed Yes No
Manufacturer's Name _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:

Well seal—Material used in seal puddled clay
Depth of seal 22 ft. Was a packer used? no
Diameter of well bore to bottom of seal 22 in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(10) WATER LEVELS:

Static level 83 ft. below land surface Date 4/3/64
Artesian pressure _____ lbs. per square inch Date _____

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? Contractor
Yield: 150 gal./min. with 83 ft. drawdown after 3 hrs.
" " " " " "
" " " " " "
" " " " " "
Bailer test gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow g.p.m. Date _____
Temperature of water 104 Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well below casing 8
Depth drilled 315 ft. Depth of completed well 315 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
soil zone, gravelly	0	3
loose gravel and sand, med.	3	11
clay&sand, brown	11	35
volcanic gravel & clay, brn	35	92
gravel, med. seepage of wat	92	94
gravel & clay, brn.	94	110
med. gravel & brn.	110	112
hard-packed sand and clay,	112	118
soft sandy clay, brown	118	121
sticky clay & gravel, brn.	121	124
loose gravel, fine waterbe	124	125
boulders & clay, gray	125	159
sandy clay, brown	159	176
fine gravel, waterbearing	176	182
sticky clay & gravel, gray	182	194
fine sand, white, waterbe	194	199
clay & gravel, brn.	199	220
fine sand, wht. & pink, wat	220	225
sandy clay & gravel, fine	225	230
med. gravel, waterbearing	230	234
sticky clay, brn.	234	298
basalt rock w/ clay string-		
ers, brown	298	315

Work started 3/7/64 19 _____ Completed 4/3/ 1964
Date well drilling machine moved off of well 4/4 1964

(13) PUMP:

Manufacturer's Name _____
Type: _____ H.P. _____

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jack Stooksberry, Jr.
(Person, firm or corporation) (Type or print)

Address Route 2, Box 47, Lakeview, Ore.

Drilling Machine Operator's License No. 45

[Signed] Jack Stooksberry Jr.
(Water Well Contractor)

Contractor's License No. 211 Date 4/3, 1964

LAKE 52530

LITHOGRAPHIC DESCRIPTION OF OIL OR GAS WELL

(Not required if a mud log is submitted)

STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 520.)

(1) Permittee Information

Name	Surprise Valley Electrification Corp.
Mailing Address	516 US Hwy 395 E
City/State/Zip	Alturas, CA 96101
Telephone	530.233.3511
Fax	530.233.2190
Email	lynnsvec@frontier.com
Prepared by	Lynn Culp, Silvio Pezzopane, Roy Mink, Kyle Makovsky

(2) Well Information

Well No.	SVE #1
DOGAMI ID No.	36-037-90009 Lake 448

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OWRD

5/29/2012

General Manager

Signature

Title

Date

(3) Well Cuttings

Depth		Description
From	To	
0	40	Brown clay soil and gravelly sand
40	75	Brownish-grey rounded mixed volcanic (basalt, rhyolite, andesite, tuff, pumice) gravel, qtz-rich sand
75	105	Grey quartz-rich sand, with thin brown and grey clay beds, Water Bearing (WB)
105	150	Greyish-brown mixed volcanic gravel, qtz-sand, and clay, WB
150	165	Brown mixed volcanic (basalt, rhyolite, andesite) gravel, rounded sand and clay
165	175	Brown clayey sand and mixed gravels
175	225	Blackish grey basalt gravel, w/ sand and clay beds, WB
225	240	Blackish grey to brown basalt and andesite gravel, and sand
240	305	Varicolored mixed volcanic (basalt, rhyolite, andesite, tuff) gravel and sand, w/ brown clay beds
305	360	Brown gravelly sand and brown clay beds
360	390	Varicolored (grey, brown, black, red, green) basalt, rhyolite, andesite gravel, sand, and brown clay, WB
390	415	Brownish grey and red volcanic gravel, sand, and clay, WB
415	435	Varicolored mixed volcanic gravel (basalt, rhyolite, andesite, tuff), rounded, reddish brown sand and clay
435	490	Varicolored coarse volcanic gravel, rounded, red to brown sand, brown sticky clay beds
490	530	Varicolored volcanic pebble gravel, rounded, w/ sand and reddish brown sticky clay
530	540	White calcite, black and grey basalt andesite, red rhyolite, red and grey tuff w/ brownish red sticky clay
540	575	Red sticky clay ash, vesicular and fibrous pumice clasts, minor sand, grey pebbles
575	640	Red and grey tuffs w/ altered vesicles, minor grey to greenish to black basalt, andesite, rhyolite, WB?
640	675	Red rhyolite tuff and grey andesite w/ altered vesicles, greenish basalt, blades of calcite
675	715	Light grey basalt, reddish brown and green alteration stains, altered vesicles, pyrite, euhedral calcite and quartz
715	715	Light greyish green rhyolite, reddish brown to dark purple basalt?, altered vesicles, pyrite, calcite and quartz
715	795	Dark greenish grey andesite?, dark purplish brown basalt, minor light red and white tuff, rare euhedral quartz
795	870	Dark grey to brown basalt w/ white pumice chunks, rare red and white tuff cinders, rare euhedral quartz
870	905	Dark greenish grey to dark purplish brown basalt, few pumice, rare euhedral and calcite quartz
905	920	Grey to white calcite flakes, possible fracture zone? no rock data - lost circulation, samples floated up during trip out
920	950	Brown sticky slick clay ash, large (<2 cm dia.) euhedral calcite chunks, red cinders and pumice, dries hard
950	1000	Purple, grey, and brown lithic tuff, poorly-welded?, soft waxy, sticky ashy clay, small calcite and quartz crystals
1000	1050	Green, grey, and brown andesite, alteration stains, red lithic tuff, cinders?, large euhedral calcite and quartz crystals
1050	1080	Dark greenish grey andesite, reddish purple stains, hard, fine-grained, large euhedral calcite flakes (fractures?)
1080	1100	no data - no returns
1100	1100	Red, grey, white, and brown lithic tuff or volcanoclastic sediment (depth uncertain, samples floated up during cleaning)
1100	1120	no data - no returns - lost circulation
1120	1120	Dark greenish grey andesite, reddish purple clay? stains, hard, fine-grained, red lithic tuff w/ euhedral quartz crystals, (depth uncertain, sample picked out of the drill collar)
1120	1133	no data - no returns
1133	1133	Reddish brown, lithic tuff, poorly-welded?, sticky clay, dries hard, small calcite and quartz crystals (depth uncertain, sample stuck to the drill bit face)
1133	1235	no data - no returns
1235	1315	Dark greenish grey andesite, red lithic tuff, euhedral quartz crystals, (depth uncertain, sample stuck to the bailer)
1315	1360	no data - no returns
	1360	- Total Depth

LAKE 52529

LITHOGRAPHIC DESCRIPTION OF OIL OR GAS WELL

(Not required if a mud log is submitted)

STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 520.)

(1) Permittee Information

Name	Surprise Valley Electrification Corp.
Mailing Address	516 US Hwy 395 E.
City/State/Zip	Alturas, CA 96101
Telephone	530.233.3511
Fax	530.233.2190
Email	lynnsvec@frontier.com
Prepared by	Lynn Culp, Kyle Makovsky, Roy Mink, Silvio Pezzopane

(2) Well Information

Well No.	SVE #2
DOGAMI ID No.	36-037-90027 Lake 1628

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General Manager

5/29/2012

Signature

Title

Date

(3) Well Cuttings

Depth		Description
From	To	
0	40	Brown clay soil and gravelly sand
40	60	Light brown ash fragments, reddish rhyolite, black basalt, minor calcite/quartz
60	80	Light brown/grey ash, red rhyolite, black basalt, cinders, rounded grains, black and red cuttings magnetic
80	105	Light grey/brown ash, red rhyolite, black basalt, rounded grains, chert and obsidian magnetic
105	125	Light grey/brown ash, red rhyolite, black basalt, rounded grains, purple, orange alteration, green stone
125	155	Grey/brown ash, red rhyolite, black basalt, rounded grains, black and grey chips magnetic, light tan pumice fragments
155	185	Grey/brown ash, red rhyolite, black basalt, magnetic, white/grey pumice green stone, minor alteration stains
185	210	Grey/brown rhyolite, red rhyolite with alteration, black basalt, white/grey pumice
210	245	Grey/brown rhyolite, red rhyolite, black basalt, light brown pumice
245	300	Grey/brown rhyolite, red and brown rhyolite, black basalt, pumice, rounded grains
300	340	Brown/grey rhyolite, rounded w/ some alteration, light grey tuff, black basalt/rhyolite; light grey tuff, feldspar chips
340	360	Grey/light brown rhyolite, dark grey/black rhyolite, light red/yellow altered rhyolite, some chips rounded
360	410	Grey/brown rhyolite, dark grey/black basalt, light red/yellow altered rhyolite, grey/white pumice, rounded pebbles
410	420	Black basalt, light brown rhyolite, some alteration
425	430	no data - no returns
435	460	Black basalt, light brown/grey rhyolite, red altered rhyolite
460	465	Fine sand of light brown/grey rhyolite, black basalt/rhyolite; light brown/red altered rhyolite
465	475	Light brown/grey rhyolite, black basalt/rhyolite, yellow/red altered rhyolite
475	490	Large amount fine sand, smaller cuttings are same as above with white alteration/pumice
490	510	Altered tuff, light grey to reddish brown to dark brown, waxy texture, amorphous silica present
510	530	no data - no returns
530	565	Dark to light gray basalt, andesite, white and green alteration minerals
565	620	Porphyritic basalt and andesite, pink/dark green/white alteration, opaline quartz, amorphous silica, calcite rhombs
620	695	Dark gray, green, purple, and red basalt, amorphous silica, euhedral quartz, and calcite in vesicles
695	710	Porphyritic andesite, opaline quartz
710	790	Gray green and red basalt, altered, fibrous banded white mineral, calcite rhombs, crystalline and opaline quartz
790	800	Olivine rich basalt, little alteration
800	815	Porphyritic andesite and basalt rock, highly altered, clear crystalline quartz, banded alteration
815	845	Amygdaloidal basalt, amygdules are green, white banded, botryoidal texture, calcite grains
845	890	Gray basalt, little to no alteration
890	905	Vesicular/amygdaloidal basalt, high amount of crystalline quartz filling vesicles
905	920	Basalt with pyrite mineralization
920	930	Gray basaltic andesite
930	960	Gray/red/purple basalt, calcite rhombs, some amygdaloidal calcite
960	1010	Dark gray and green basalt, calcite rhombs
1010	1070	Highly altered vesicular/amygdaloidal basalt, pyrite mineralization, dark green/white/pink alteration minerals
1070	1260	no data - no returns
	1260	- Total Depth

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Attachment E

Recorded Deeds

FORM No. 125-1-WARRANTY DEED

56910

REVISED LAW FIRM, CO., ASTORIA, OR

1987 EN

733

KNOW ALL MEN BY THESE PRESENTS, That ROSS H. COLAHAN and DORIS COLAHAN, husband and wife, hereinafter called the grantor, for the consideration hereinafter stated, to grantor paid by COLAHAN ENTERPRISES, INC. an Oregon corporation, hereinafter called the grantee, does hereby grant, bargain, sell and convey unto the said grantee and grantee's heirs, successors and assigns, that certain real property, with the tenements, hereditaments and appurtenances thereto belonging or appertaining, situated in the County of Lake and State of Oregon, described as follows, to-wit:

Township 33 South, Range 16 East of the Willamette Meridian
 Section 23: NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$ excepting deed recorded in Book 53 at page 635 of Record of Deeds.

That portion of NE $\frac{1}{4}$ SW $\frac{1}{4}$ of said Section 23 lying North of the Chewaucan River, excepting therefrom that portion of said NE $\frac{1}{4}$ SW $\frac{1}{4}$ contained in a deed from Northwest Townsite Company to Kittie Loveland recorded in Book 52 at page 593 of the Record of Deeds.

Section 24: N $\frac{1}{2}$ N $\frac{1}{2}$ E $\frac{1}{2}$, SW $\frac{1}{4}$ N $\frac{1}{2}$ E $\frac{1}{2}$, NW $\frac{1}{4}$, excepting a tract of land conveyed to State of Oregon in Book 79 at page 395 of Record of Deeds and highway right-of-way. That portion of NW $\frac{1}{4}$ SW $\frac{1}{4}$ of said Section 24 lying North of the extension of Mill Street in Paisley, Oregon, excepting therefrom those tracts of land heretofore conveyed by Northwest Townsite Company and its predecessors in interest recorded in Book 44 at page 95, Book 51 at pages 10, 432 and 549; Book 52 at page 593; Book 53 at page 147; Book 56 at page 504; Book 62 at page 386 of the Record of Deeds.

Section 26: NW $\frac{1}{4}$ NW $\frac{1}{4}$

SUBJECT TO all reservations, restrictions, easements and rights-of-way of record or apparent on the ground, including, but not limited to, reservation of one-half of all gas, coal, oil and other sub-surface minerals, together with right to take and remove.

To Have and to Hold the same unto the said grantee and grantee's heirs, successors and assigns forever. And said grantor hereby covenants to and with said grantee and grantee's heirs, successors and assigns, that grantor is lawfully seised in fee simple of the above granted premises, free from all encumbrances.

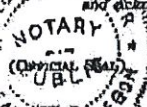
and that grantor will warrant and forever defend the above granted premises and every part and parcel thereof against the lawful claims and demands of all persons whatsoever, except those claiming under the above described encumbrances.

The true and actual consideration paid for this transfer, stated in terms of dollars, is \$ 1.00. However, the actual consideration consists of or includes other property or value given or promised which is the whole consideration (indicate which).

In construing this deed and where the context so requires, the singular includes the plural. WITNESS grantor's hand this 1st day of April, 1981.

Ross H. Colahan
Doris Colahan

STATE OF OREGON, County of Lake ss. April 1, 1981
 Personally appeared the above named Ross H. Colahan and Doris Colahan, husband and
 and acknowledged the foregoing instrument to be voluntary act and deed.



Before me: Barbara Sander
 Notary Public for Oregon
 My commission expires 9-10-82

Ross H. Colahan and Doris Colahan,
 husband and wife
 GRANTOR'S NAME AND ADDRESS
Colahan Enterprises, Inc. an Oregon
 corporation
 GRANTEE'S NAME AND ADDRESS
 After recording action fee
Colahan Enterprises, Inc.
Rte 1 Box 380
Paisley, Oregon 97636
 GRANTOR'S ADDRESS, ZIP
Colahan Enterprises, Inc.
Rte 1 Box 380
Paisley, Oregon 97636
 GRANTEE'S ADDRESS, ZIP

STATE OF OREGON,
 County of Lake ss.
 I certify that the within instrument was received for record on the 3 day of April, 1981, at 11:45 o'clock A.M., and recorded in book/reel/volume No. 193 on page 733 or as document/fee/file/instrument/microfilm No. _____ of Record of Deeds of said county.
 Witness my hand and seal of _____ County attested.
Karen O'Connor, Clerk
 By _____ Deputy

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FORM No. 723 - BARGAIN AND SALE DEED (Revised by the Clerk)

NO PART OF ANY STEVENS-NESS FORM MAY BE REPRODUCED IN ANY FORM OR BY ANY ELECTRONIC OR MECHANICAL MEANS.

638
 Ross A. Colahan
 45164 Hwy 31
 Paisley, OR 97636

Grantor's Name and Address
 Colahan Enterprises, Inc.
 PO Box 300
 Paisley, OR 97636

Office's Name and Address
 After recording, return to (Name, Address, Zip):
 Colahan Enterprises, Inc.
 PO Box 300
 Paisley, OR 97636

Unit requested or volume, serial or map association in (Name, Address, Zip):
 Colahan Enterprises, Inc.
 PO Box 300
 Paisley, OR 97636

M6800948

STATE OF OREGON, Lake } ss.
County of _____

I certify that the within instrument was received for record on July 8, 2007 at 2:47 o'clock P. M., and recorded in book/reel/volume No. 275 on page 639 and/or as fee/file/instrument/microfilm/recognition No. 08948 Records of said County.

SPACE RESERVED FOR RECORDERS USE

Witness my hand and seal of County affixed.

Stacie Hanes Clark
NAME TITLE
By Monica Weidner, Deputy.
127697

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BARGAIN AND SALE DEED

KNOW ALL BY THESE PRESENTS that Ross A. Colahan

hereinafter called grantor, for the consideration hereinafter stated, does hereby grant, bargain, sell and convey unto Colahan Enterprises, Inc. hereinafter called grantee, and unto grantee's heirs, successors and assigns, all of that certain real property, with the tenements, hereditaments and appurtenances thereunto belonging or in any way appertaining, situated in Lake County, State of Oregon, described as follows, to-wit:

Township 33 South, Range 18 East of the Willamette Meridian
Section 14: SE1/4SE1/4
Section 23: NE1/4NW1/4

(IF SPACE INSUFFICIENT, CONTINUE DESCRIPTION ON REVERSE)

To Have and to Hold the same unto grantee and grantee's heirs, successors and assigns forever.

The true and actual consideration paid for this transfer, stated in terms of dollars, is \$ 340,000. However, the actual consideration consists of or includes other property or value given or promised which is part of the the whole (indicate which) consideration. (The sentence between the symbols @, if not applicable, should be deleted. See ORS 93.030.)

In construing this deed, where the context so requires, the singular includes the plural, and all grammatical changes shall be made so that this deed shall apply equally to corporations and to individuals.

IN WITNESS WHEREOF 2009-001118 has executed this instrument on July 4, 2009; if grantor is a corporation, it has caused its name to be signed and its seal, if any, affixed by an officer or other person duly authorized to do so by order of its board of directors.

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.308 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL AS DEFINED IN ORS 210.010 OR 210.010. TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.020, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.308 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007.

Ross Colahan

STATE OF OREGON, County of Lake July 8, 2007

This instrument was acknowledged before me on July 8, 2007 by Ross Colahan
This instrument was acknowledged before me on _____ by _____ as _____ of _____



Monica Weidner
Notary Public for Oregon
My commission expires June 12, 2010

638

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Attachment F

T-11214 Reversion Letter



Water Solutions, Inc.

September 15, 2014

Kelly Starnes
Transfer Program Advisor
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301

**RE: Request to Revert the Remaining Portion of Transfer T-11214
(former Certificate 64775)**

Mr. Starnes:

On January 10, 2012, the Oregon Water Resources Department (Department) approved Transfer Application T-11214, filed by Colahan Enterprises. The original Transfer T-11214 authorized additional points of appropriation associated with Certificate 82230 and Certificate 64775 - adding Wells 2, 3 and 4 as new points of appropriation. Transfer T-11214 did not authorize a change in the character of use or place of use.

I request that the Department revert the remaining Certificate 64775 (2.9 cfs) associated with Transfer T-11214 back to Well 1, the original point of appropriation. The location for Well 1 was clarified and is most accurately described in the transfer final order.

I appreciate your attention to this request. Please feel free to contact me with any questions in regards to this request.

Sincerely,

A handwritten signature in black ink, appearing to read "Erin K. Douglas".

Erin K. Douglas
Secretary, Colahan Enterprises

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Cc Lynn Culp - Surprise Valley Electrification Corp.
Bruce Brody-Heine - GSI Water Solutions, Inc.

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 89355

Description of Water Delivery System

System capacity: 1.01 cubic feet per second (cfs) **OR**
 _____ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-_____)	Twp	Rng	Sec	¼ ¼	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Hot Well)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LAKE 1627, 4448	33 S	18 E	23	NW SW	1300	1680' N and 1240' E from the SW corner of Section 23.
SVE 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52530	33 S	18 E	23	NW SW	1300	2,050' N and 1,370' E from the SW corner of Section 23.
SVE 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52529	33 S	18 E	23	NW SE	1300	2,665' N and 1,725' W from the SE corner of Section 23.
Little Hot Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 1628, 1626	33 S	18 E	23	SW NE	1300	310' N and 1270' W from the E 1/4 corner of Section 23

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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Will all of the proposed changes affect the entire water right?

- Yes Complete only the Proposed (“to” or “on” lands) section of Table 2 on the next page. Use the “CODES” listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.

Part 5 of 5 – Water Right Information

Super seed

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Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # Former 64775 (*OWRD reverting T-11214 and issuing new certificate as part of this Transfer application- see attached letter*)

Description of Water Delivery System

System capacity: **2.90** cubic feet per second (cfs) OR
 _____ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. **Approved POA has 100HP turbine well pump that pumps water into a bulge (pond) that has 2 40HP turbine pond pumps. Water is pumped to 2 center pivots, various wheel lines, and flood irrigation sites.**

SVE-1 has a 200HP turbine well pump, and SVE-2 has 300HP turbine well pump. Water is pumped from SVE-1 through 2600' of 12" diameter pipe to the intersection with the discharge line from SVE-2 (200' of 12" line), then the combined water is moved through 820' of 16" diameter pipe from intersection of SVE-2 to Power Plant. A controlled volume of water is diverted from the the power plant to the bulge in the system through a 3200' 12" in diameter line. The Little Hot well has a 25HP submersible pump and water from this well is piped into the onsite irrigation line.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-____)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Hot Well)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LAKE 1627, 4448	33	S	18	E	23	NW	SW	1300	1680' N and 1240' E from the SW corner of Section 23.
SVE 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52530	33	S	18	E	23	NW	SW	1300	2,050' N and 1,370' E from the SW corner of Section 23.
SVE 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 52529	33	S	18	E	23	NW	SE	1300	2,665' N and 1,725' W from the SE corner of Section 23.
Little Hot Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LAKE 1628, 1626	33	S	18	E	23	SW	NE	1300	310' N and 1270' W from the E 1/4 corner of Section 23

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

Will all of the proposed changes affect the entire water right?

- Yes Complete only the Proposed (“to” or “on” lands) section of Table 2 on the next page. Use the “CODES” listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.

Water Right Transfer Map To Add Points of Appropriation Certificate 89355 & Former Certificate 64775

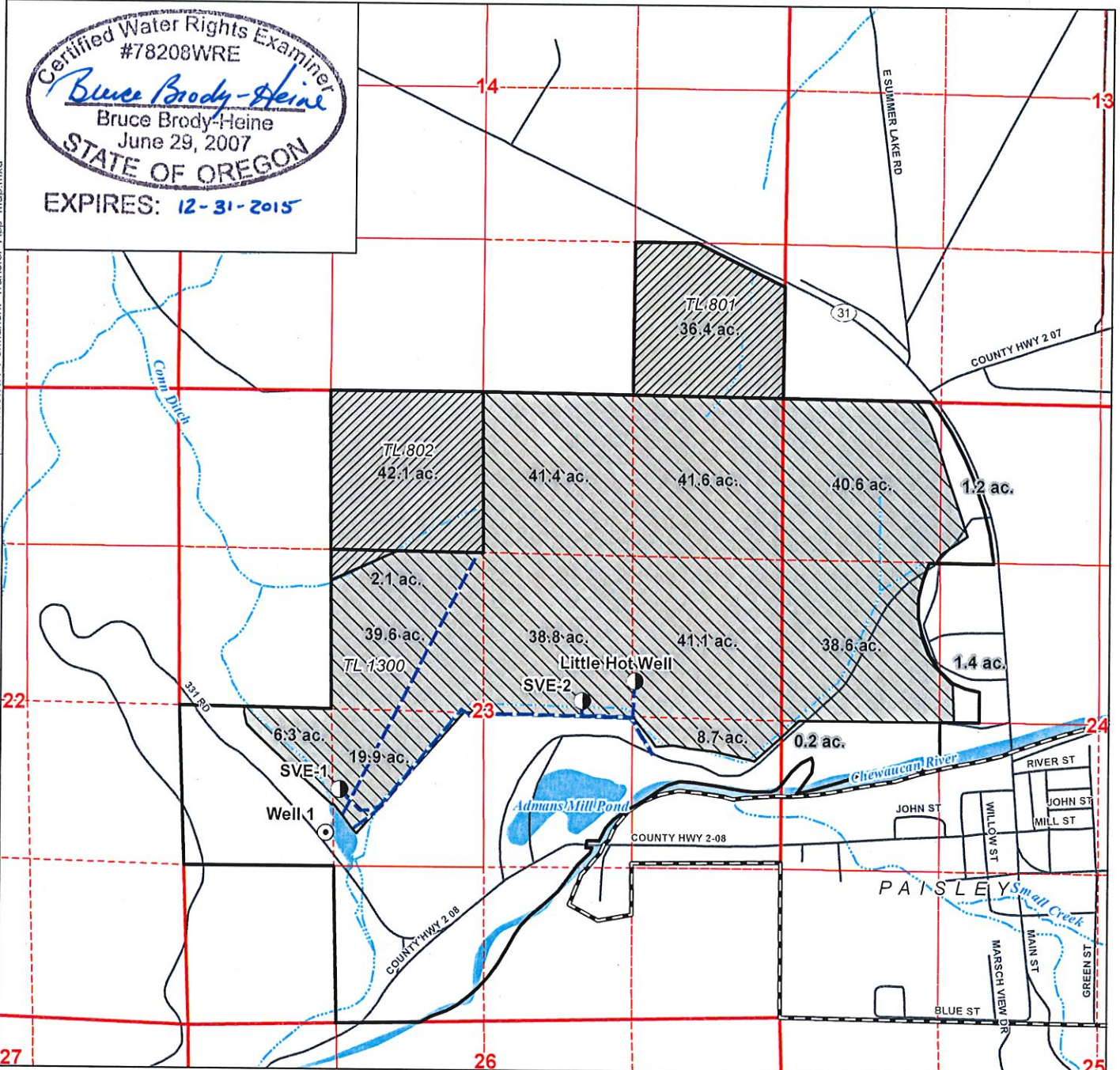
Superseded

Colahan Enterprises

Township 33 South, Range 18 East (W.M.)

Certified Water Rights Examiner
#78208WRE
Bruce Brody-Heine
Bruce Brody-Heine
June 29, 2007
STATE OF OREGON
EXPIRES: 12-31-2015

Document Path: P:\Portland\524-Surprise Valley Elec Corp\001-Paisley_OR_Geotherm Plant\Project_GIS\Project_mxd\SIWR_Permanent_Transfer_App_Map.mxd



LEGEND

- Authorized Point of Appropriation (APOA)
- Proposed APOA
- Place of Use (POU)**
- Certificate 89355
- Former Certificate 64775 (new certificate # being issued)
- All Other Features**
- Distribution Pipeline
- Paisley City Limits
- Tax Lots
- Roads
- Watercourses
- Waterbodies

POA LOCATION DESCRIPTIONS

Well 1
Located 1,680 feet North and 1,240 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-1
Located 2,050 feet North and 1,370 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-2
Located 2,665 feet North and 1,725 feet West from the SE corner of Section 23, Township 33 South, Range 18 East (W.M.)

Little Hot Well
Located 310 feet North and 1,270 feet West from the E 1/4 corner of Section 23, Township 33 South, Range 18 East (W.M.)

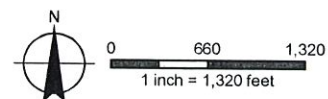
Disclaimer

This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Map Notes

Date: September 16, 2014
Data Sources: OWRD, USGS, US BLM, ESRI
Prepared By: GSI Water Solutions, Inc.

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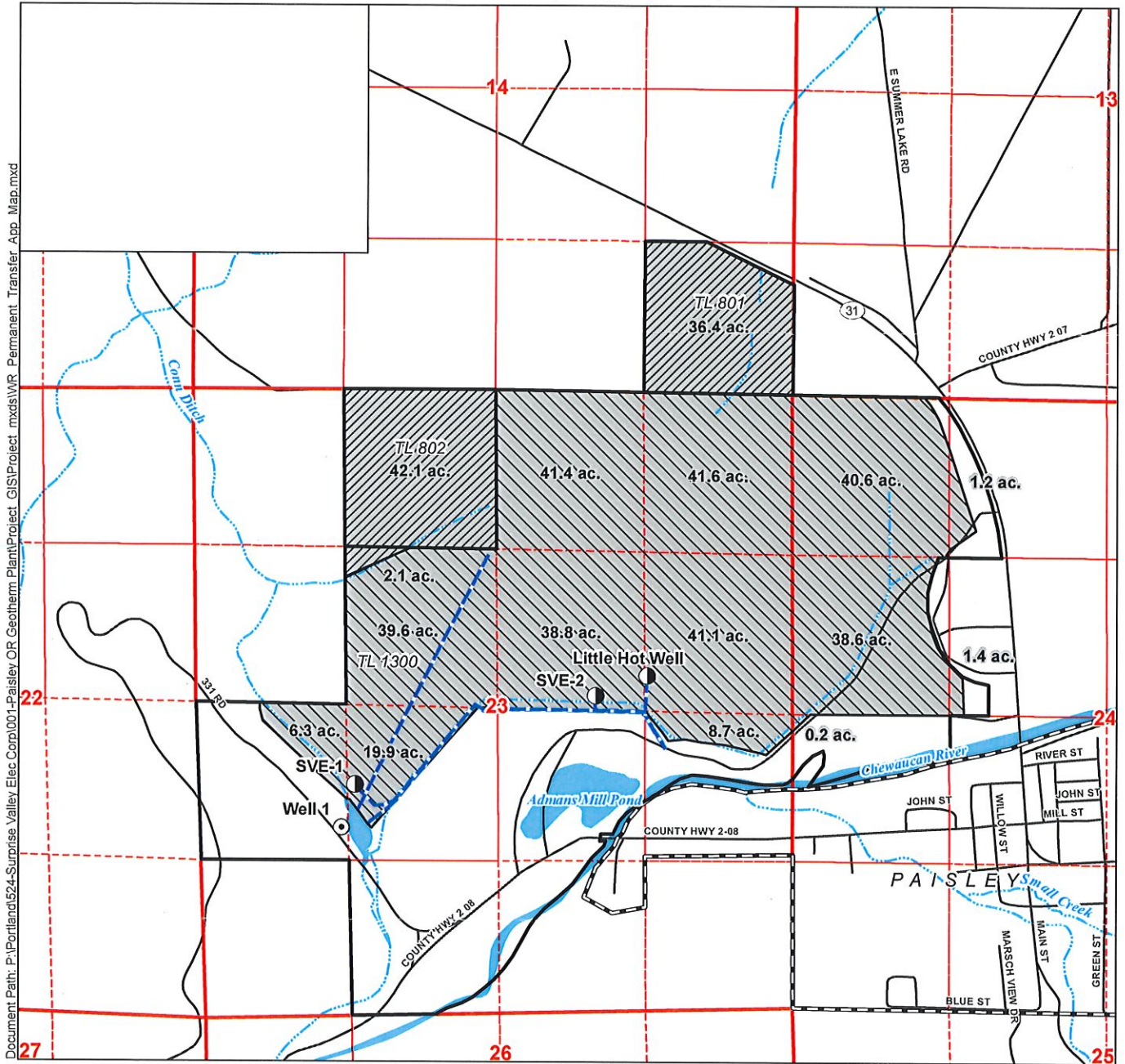


Superseded

Water Right Transfer Map To Add Points of Appropriation Certificate 89355 & Former Certificate 64775

Colahan Enterprises

Township 33 South, Range 18 East (W.M.)



Document Path: P:\Portland\524-Surprise Valley Elec Corp\001-Paisley OR Geotherm Plant\Project_GIS\Project_mxd\WR_Permanent_Transfer_App_Map.mxd

LEGEND

- Authorized Point of Appropriation (APOA)
- Proposed APOA
- Place of Use (POU)**
- Certificate 89355
- Former Certificate 64775 (new certificate # being issued)
- All Other Features**
- Distribution Pipeline
- Paisley City Limits
- Tax Lots

- Roads
- Watercourses
- Waterbodies

POA LOCATION DESCRIPTIONS

Well 1
Located 1,680 feet North and 1,240 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

SVE-1
Located 2,050 feet North and 1,370 feet East from the SW corner of Section 23, Township 33 South, Range 18 East (W.M.)

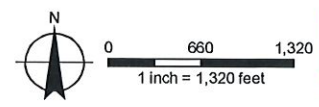
SVE-2
Located 2,665 feet North and 1,725 feet West from the SE corner of Section 23, Township 33 South, Range 18 East (W.M.)

Little Hot Well
Located 310 feet North and 1,270 feet West from the E1/4 corner of Section 23, Township 33 South, Range 18 East (W.M.)

Disclaimer
This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Map Notes
Date: September 16, 2014
Data Sources: OWRD, USGS, US BLM, ESRI
Prepared By: GSI Water Solutions, Inc.

RECEIVED
SEP 26 2014
OWRD



**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **113538**

INVOICE # _____

RECEIVED FROM: <u>GSI Water Solutions, Inc.</u>	APPLICATION
BY: _____	PERMIT
CASH: <input type="checkbox"/> CHECK # <u>116303</u> OTHER: (IDENTIFY) _____	TRANSFER <u>T-11894</u>
<input type="checkbox"/>	TOTAL REC'D \$ <u>1800.00</u>

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	\$ _____
OTHER: (IDENTIFY) _____	\$ _____
0243 I/S Lease _____	0244 Muni Water Mgmt. Plan _____
0245 Cons. Water _____	

4270 WRD OPERATING ACCT

MISCELLANEOUS			
0407 COPY & TAPE FEES	\$ _____		
0410 RESEARCH FEES	\$ _____		
0408 MISC REVENUE: (IDENTIFY) _____	\$ _____		
TC162 DEPOSIT LIAB. (IDENTIFY) _____	\$ _____		
0240 EXTENSION OF TIME	\$ _____		
WATER RIGHTS:			
0201 SURFACE WATER	\$ _____	0202	\$ _____
0203 GROUND WATER	\$ _____	0204	\$ _____
0205 TRANSFER	\$ <u>1800.00</u>		
WELL CONSTRUCTION			
0218 WELL DRILL CONSTRUCTOR	\$ _____	0219	\$ _____
LANDOWNER'S PERMIT		0220	\$ _____
OTHER (IDENTIFY) _____			

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$ _____	CARD # _____
0210 MONITORING WELLS	\$ _____	CARD # _____
OTHER (IDENTIFY) _____		

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD)	\$ _____
0231 HYDRO LICENSE FEE (FW/WRD)	\$ _____
HYDRO APPLICATION	\$ _____

_____ TREASURY OTHER / RDX

FUND _____	TITLE _____
OBJ. CODE _____	VENDOR # _____
DESCRIPTION _____	\$ _____

**RECEIVED
OVER THE COUNTER**

RECEIPT: **113538** DATED: 9/26/14 BY: Ching K

Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal