

RECEIVED

Rev. 07/18

DEC 03 2018

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 81800

MINIMUM REQUIREMENTS CHECKLIST
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

AMENDED

An application for transfer must be prepared in accordance with the minimum requirements listed below to be acceptable for processing by the Department. Incomplete applications will be returned. The instructions, fee schedule, Part 2A reports and additional Part 2B forms are available from any Department office or on the Department's website at idwr.idaho.gov.

Name of Applicant(s) Casa Del Norte, L.P.

Check whether each item below is *attached* (Yes) or *not applicable* (N/A) for the proposed transfer.

Yes N/A * Means the item is always required and must be included with the application.

- ☒ * Completed Application for Transfer of Water Right form, Part 1.
- ☒ * Signature of applicant(s) or applicant's authorized representative on Application for Transfer Part 1. Include evidence of authority labeled Attachment #3 (see below) if signed by representative.
- ☒ * Application for Transfer Part 2A. Attach a Part 2A report describing each water right in the transfer as currently recorded.
- ☒ ☐ Complete and attach an Application for Transfer Part 2B for each water right for which only a portion is proposed to be changed through this transfer application.
- ☒ * Application for Transfer Part 3A is always required (see Attachment #7a below); Parts 3B and 3C must be completed for transfer applications proposing to change the nature of use of the water right(s) or proposing changes to supplemental right(s).
- ☒ * Correct fee submitted with transfer application form. (Fee schedule is on website and instructions for application for transfer.)

Attachments to Application - Label each attachment with the corresponding number shown below as Attachment #1-10.

- ☐ ☒ #1 If the applicant is a business, partnership, organization, or association, and not currently registered in the State of Idaho as a business entity, attach documentation identifying officers authorized to sign or act on behalf of right holder. (See Part 1.)
- ☐ ☒ #2a Water Right ownership documentation if Dept. records do not show the applicant as the current water right owner. **
- ☐ ☒ #2b If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s).**
** Additional fee(s) required for water right ownership changes; see fee schedule.
- ☐ ☒ #3 Documentation of authority to make the change if the applicant is not the water right owner.
- ☐ ☒ #4 Power of Attorney or documentation providing authority to sign or act on the applicant's behalf. (See Part 1.)
- ☐ ☒ #5 If the transfer application proposes to change the point of diversion for a water right affecting the Eastern Snake Plain Aquifer (ESPA), attach the results of an ESPA analysis and a detailed mitigation plan to offset any depletions to hydraulically connected reaches of the Snake River. ESPA transfer spreadsheet and model grid labeled cells are available on the Department's website at idwr.idaho.gov/water-rights/transfers/resources.html.
- ☐ ☒ #6 Notarized statement of agreement or a statement on official letterhead signed by an authorized representative from each lien holder or other entity with financial interest in the water right(s) or land affected by the proposed transfer. (See Part 1.5.c.)
- ☒ * #7a Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described on the application. Include legal description labels. If only a portion of the right is proposed to be changed, identify the current location of the part of the existing right(s) proposed to be changed. (See Part 3A.)
- ☒ ☐ #7b If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System (GIS) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use. If some or all of any right is leased to the Water Supply Bank, you must also show the the specific location and/or acres to be idled at the new, proposed place of use to satisfy lease requirements.
- ☐ ☒ #8a If the transfer application proposes to change the nature of use or period of use for one or more rights, provide documentation describing the extent of historic beneficial use for the water rights proposed to be transferred and document how enlargement will be avoided. (See Part 3B.) Additional fee required for proposed changes to nature of use; see fee schedule.
- ☐ ☒ #8b If the transfer application proposes to change the place of use of a supplemental irrigation right, provide documentation regarding the historic use of the supplemental right(s) and availability or reliability of the primary right(s) being supplemented, both before and after the proposed change. (See Part 3C.)
- ☐ ☒ #9 Water Supply Bank information for all rights proposed for transfer and currently leased to the Bank. (Attachment WSB)
- ☐ ☒ #10 Other. Please describe: _____

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WATER RESOURCES
WESTERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCESAPPLICATION FOR TRANSFER OF WATER RIGHT
PART 1

Name of Applicant(s) Casa Del Norte, L.P. Phone 208-366-7931
 Mailing address 11204 North Bar 21 Drive, Glenns Ferry, ID 83623 Email _____

- ☐ If applicant is not an individual and not registered to do business in the State of Idaho, attach documentation identifying officers authorized to sign or act on behalf of the applicant. Label it **Attachment #1**.
- ☒ Attach water right ownership documentation if Department records do not show the transfer applicant as the current water right owner. Label it **Attachment #2a**.
- ☐ If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). Label it **Attachment #2b**.
- ☐ Attach documentation of authority to make the proposed change if the applicant is not the water right owner. Label it **Attachment #3**.

Provide contact information below if a consultant, attorney, or any other person is representing the applicant in this transfer process.

☐ No Representative

Name of Representative SPF Water Engineering Phone 208-383-4140
 Mailing address 300 E. Mallard Dr., Ste 350, Boise, ID 83706 Email lgraves@spfwater.com

- ☐ Send all correspondence for this application to the representative and not to the applicant.
OR
- ☒ Send original correspondence to the applicant and copies to the representative.
- ☒ The representative may submit information for the applicant but is not authorized to sign for the applicant.
OR
- ☐ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation providing authority to sign for the applicant and label it **Attachment #4**.

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

John B. McCallum
 Signature of Applicant or Authorized Representative

PRESIDENT
 Print Name and Title if applicable

12/3/2018
 Date

 Signature of Applicant or Authorized Representative

 Print Name and Title if applicable

 Date

A. PURPOSE OF TRANSFER

- ☐ Change point of diversion
☐ Change nature of use
 ☒ Add diversion point(s)
☐ Change period of use
 ☒ Change place of use
☐ Other _____
- Is this a transfer for changes pursuant to [Idaho Code § 42-221.O.8?](#)
 If yes, ☐ attach an explanation and any supporting documentation labeled as **Part 1A.2**.
- Describe your proposal in narrative form, including a detailed description of non-irrigation uses to justify amounts transferred (i.e. number of stock, etc.), and provide additional explanation of any other items on the application. Attach additional pages if necessary and label it **Part 1A.3**.
 See Attachment Part 1A.3.

B. DESCRIPTION OF RIGHTS AFTER THE REQUESTED CHANGES. IF THE RIGHTS ARE BEING SPLIT, DESCRIBE PORTIONS TO BE CHANGED AS THEY WOULD APPEAR AFTER THE REQUESTED CHANGES.

Total authorized under rights 21.81 cfs and/or _____ acre-feet. **See supplement insert for additional rights**

3. Point(s) of Diversion:

- [illegible]

☐ No changes to place of use are proposed - the following chart is therefore not completed. (Proceed to #5.)

Page 3

Ident. No. _____

Transfer Part 1A.3.

1. Move 161 acres of the 61-301A Group, 61-332 Group and 61-11854 from S29 to the 174-acre pivot in S8 and S17.
2. Move 161 acres of the 61-301B group from S8 and S17 to S29. Consolidate remaining 54 acres to the 174-acre pivot to allow irrigation of the 13 acres in excess of 161 acres.
3. List both hot water wells as diversion points on water rights 61-301A and 61-301B. Currently, one well is authorized for 61-301A, and the other for 61-301B.
4. Add Cold Springs Creek diversions authorized under the 61-332 Group to water rights 61-2111 and 61-11885.

The proposed place of use changes will allow full irrigation coverage on the pivot in S8 and S17 at a higher ground water flow rate than currently authorized. Enlargement is not being proposed because (1) the ground water wells under the 61-301A Group and 61-301B Group are hydraulically connected and equal in priority, and (2) all stacked surface water rights under both groups are subject to transfer and will remain stacked.

The proposed point of diversion changes will allow for irrigation flexibility.

Transfer Part 1B. 4. (Proposed Place of Use Changes)

Township	Range	Section	NE				NW				SW				SE				TOTALS	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
61-301A Group (Portion to Change)																				
Current																				
4S	9E	29	33			39									27	36	26		161	
Proposed																				
4S	9E	8								16	10	37	40			1	12		116	
		17		4		32	22												58	
61-11854 (All)																				
Current																				
4S	9E	29	33			39									27	36	26		161	
Proposed																				
4S	9E	8								16	10	37	40			1	12		116	
		17		4		32	22												58	
61-301B Group (All)																				
Current:																				
4S	9E	8		2.4	25					39	9.3	6.3	39			27	23		171	
		17					32	12											44	
Proposed:																				
4S	9E	8								16	10	37	40			1	12		116	
		17		4		32	22												58	
		29	33			39									27	36	26		161	
61-322 Group (Portion to Change)																				
Current																				
4S	9E	29	33			39									27	36	26		161	
Proposed																				
4S	9E	8								16	10	37	40			1	12		116	
		17		4		32	22												58	

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1 Continued

5. General Information:

- a. Describe the complete diversion system, including how you will accommodate a measuring device and lockable controlling works should they be required now or in the future:

Wells, headgate, ditches, pressurized irrigation system. Measuring devices and lockable controlling works have been installed at the Cold Springs Creek diversion, and will be installed on other diversions at the Department's request.

- b. Who owns the property at the point(s) of diversion? Applicant

If other than the applicant, describe the arrangement enabling the applicant to access the property for the diversion system:

- c. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?

If yes, ☐ attach a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes on official letterhead signed by an authorized representative. Label it **Attachment #6**. List the name of the entity and type of lien: _____

It is the applicant's responsibility to provide notice to lien holder, trustee, mortgagor, or contract holder of the proposed changes that may impact or change the value of the water rights or affected real property. Any misrepresentation of legal encumbrance on this application may result in rejection of the application or cancellation of an approval.

- d. Are any of the water rights proposed for transfer currently leased to the Water Supply Bank?

If yes, ☐ complete Attachment WSB.

- e. Describe the effect on the land now irrigated if the place or purpose of use is changed pursuant to this transfer:

None. Water right limitations will not be exceeded.

- f. Describe the use of any other water right(s) for the same purpose or land, or the same diversion system as right(s) proposed to be transferred at both the existing and proposed point(s) of diversion and place(s) use:

See the water rights' conditions.

- g. To your knowledge, has/is any portion of the water right(s) proposed to be changed:

Yes No

- | | | |
|--------------------------|-------------------------------------|---|
| ☐ | ☒ | undergone a period of five or more consecutive years of non-use, |
| ☐ | ☒ | currently leased to the Water Supply Bank, |
| ☐ | ☒ | currently used in a mitigation plan limiting the use of water under the right, or |
| ☐ | ☒ | currently enrolled in a Federal set-aside program limiting the use of water under the rights? |

If yes, describe:

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-301a

Current Owner: CASA DEL NORTE LP
Priority Date: 6/10/1955
Origin: Water Right
Status: Active
Basis: Decreed

Source

GROUND WATER

Tributary

Beneficial Use

From To

Diversion Rate

Annual Volume

IRRIGATION

04/01 to 11/01

5.38 CFS

984 AF

Total Diversion

5.38 CFS

984 AF

Location of Point(s) of Diversion

GROUND WATER

SE1/4SE1/4SE1/4

Sec. 9, Twp 04S, Rge 09E B.M.

ELMORE County

Place of Use

IRRIGATION Within ELMORE County

T04S R09E S15	SWNW	7.10	T04S R09E S16	NENE	20.00
T04S R09E S16	NWNE	11.90	T04S R09E S16	SWNE	9.80
T04S R09E S16	SENE	28.00	T04S R09E S16	NENW	1.30
T04S R09E S16	SENW	5.50	T04S R09E S16	NESE	2.00
T04S R09E S29	NENE	33.00	T04S R09E S29	SENE	39.00
T04S R09E S29	NESE	27.00	T04S R09E S29	NWSE	36.00
T04S R09E S29	SWSE	26.00			

Total Acres: 246.6

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
2. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-332, 61-333, 61-334, 61-335, 61-336, 61-337, 61-338, 61-339, 61-340, 61-343, 61-364, 61-2008, 61-2095A, 61-2095B, 61-2199, 61-2209A, 61-2209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
3. C03 RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO SECTION 42-1425, IDAHO CODE.
4. WATER TEMPERATURE MEASURED AT 140 DEGREES F. WATER IS LOW TEMPERATURE GEOTHERMAL WATER FROM POINT OF DIVERSION IN T04S, R09E, S09, SESE.
5. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
6. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.92 CFS. COMBINED RIGHT NOS.: 61-332, 61-333, 61-334, 61-335, 61-336, 61-337, 61-338, 61-339, 61-340, 61-343, 61-364, 61-2008, 61-2095A, 61-2095B, 61-2199, 61-2209A, 61-2209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.

Decreed Date: 8/28/2002

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-301b

Current Owner: CASA DEL NORTE LP
Priority Date: 6/10/1955
Origin: Water Right
Status: Active
Basis: Decreed

Source

Tributary

GROUND WATER

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 11/01	1.02 CFS	433 AF
	<u>Total Diversion</u>	1.02 CFS	433 AF

Location of Point(s) of Diversion

GROUND WATER NW1/4NE1/4 Sec. 8, Twp 04S, Rge 09E B.M.
ELMORE County

Place of Use

IRRIGATION Within ELMORE County

T04S R09E S8	NWNE	2.40	T04S R09E S8	SWNE	25.00
T04S R09E S8	NESW	39.00	T04S R09E S8	NWSW	9.30
T04S R09E S8	SWSW	6.30	T04S R09E S8	SESW	39.00
T04S R09E S8	NWSE	27.00	T04S R09E S8	SWSE	23.00
T04S R09E S17	NENW	32.00	T04S R09E S17	NWNW	12.00

Total Acres: 215

Conditions of Approval:

1. E56 USE OF THIS RIGHT WITH THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 215 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-2111 & 61-11885
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

Decreed Date: 8/28/2002

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-332

Current Owner: CASA DEL NORTE LP
Priority Date: 5/18/1875
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK
SPRING

Tributary

SNAKE RIVER
COLD SPRINGS CREEK

<u>Beneficial Use</u>	<u>From To</u>
IRRIGATION	02/15 to 11/15
	<u>Total Diversion</u>

<u>Diversion Rate</u>	<u>Annual Volume</u>
2.72 CFS	
2.72 CFS	

Location of Point(s) of Diversion

COLD SPRINGS CREEK ELMORE County	SE1/4NE1/4NW1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	NW1/4NE1/4SW1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	NW1/4SW1/4NE1/4	Sec. 35,	Twp 03S,	Rge 09E B.M.
SPRING ELMORE County	NE1/4NE1/4SE1/4	Sec. 3,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	SW1/4NW1/4NE1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	NE1/4NE1/4NW1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	SE1/4NE1/4NE1/4	Sec. 16,	Twp 04S,	Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Page _____ of _____

Conditions of Approval:

1. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
2. RIGHT NOS. 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35; T03S, R09E & THE NENENW, SENENW, SWNWNE, NWNESW, S10, T04S, R09E & THE SENENE, S16, T04S, R09E.
3. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
4. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
5. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.

Decreed Date: 8/27/2002

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**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-333

Current Owner: CASA DEL NORTE LP
Priority Date: 5/1/1885
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Diversion Rate

0.54 CFS

Annual Volume

Total Diversion

0.54 CFS

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
3. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
4. RIGHT NOS. 61-00332, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-334

Current Owner: CASA DEL NORTE LP
Priority Date: 5/1/1886
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

0.5 CFS

0.5 CFS

Annual Volume

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

- RIGHT NOS. 61-00332, 61-00333, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
- USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
- USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
- C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

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**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-335

Current Owner: CASA DEL NORTE LP
Priority Date: 5/1/1889
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

0.48 CFS

0.48 CFS

Annual Volume

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
2. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
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4. RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-336

Current Owner: CASA DEL NORTE LP
Priority Date: 5/1/1895
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Diversion Rate

0.8 CFS

Annual Volume

Total Diversion

0.8 CFS

Location of Point(s) of Diversion

COLD SPRINGS CREEK ELMORE County	NW1/4NE1/4SW1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	SE1/4NE1/4NW1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	SW1/4NW1/4NE1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	NW1/4SW1/4NE1/4	Sec. 35,	Twp 03S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	NE1/4NE1/4NW1/4	Sec. 10,	Twp 04S,	Rge 09E B.M.
COLD SPRINGS CREEK ELMORE County	SE1/4NE1/4NE1/4	Sec. 16,	Twp 04S,	Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENE	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
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T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENE	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
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Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-337

Current Owner: CASA DEL NORTE LP
Priority Date: 12/1/1895
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

2.4 CFS

2.4 CFS

Annual Volume

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
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T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENE	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

- RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
- C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE, SECTION 42-1412(6), IDAHO CODE.
- USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
- USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-338

Current Owner: CASA DEL NORTE LP
Priority Date: 6/30/1870
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Diversion Rate

1.84 CFS

Annual Volume

Total Diversion

1.84 CFS

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
2. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
3. RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00339, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
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**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-339

Current Owner: CASA DEL NORTE LP
Priority Date: 5/1/1875
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Diversion Rate

1.5 CFS

Annual Volume

Total Diversion

1.5 CFS

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
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4. RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00340, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-340

Current Owner: CASA DEL NORTE LP
Priority Date: 6/30/1887
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Diversion Rate

0.5 CFS

Annual Volume

Total Diversion

0.5 CFS

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
2. RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00343, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
3. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00343, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
4. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-343

Current Owner: CASA DEL NORTE LP
Priority Date: 6/30/1888
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

0.6 CFS

0.6 CFS

Annual Volume

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
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T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00364, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11897.
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4. RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00364 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-364

Current Owner: CASA DEL NORTE LP
Priority Date: 5/1/1887
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

0.12 CFS

0.12 CFS

Annual Volume

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

COLD SPRINGS CREEK

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENW	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENW	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Conditions of Approval:

- RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343 & 61-02008 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION DESCRIBED ABOVE. RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
- C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
- USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
- USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-02008, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11897.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-2008

Current Owner: CASA DEL NORTE LP
Priority Date: 2/26/1908
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

From To

Diversion Rate

Annual Volume

STOCKWATER

01/01 to 12/31

0.09 CFS

IRRIGATION

02/15 to 11/15

6.87 CFS

Total Diversion

6.96 CFS

Location of Point(s) of Diversion

COLD SPRINGS CREEK

SE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

ELMORE County

COLD SPRINGS CREEK

NE1/4NE1/4NW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

ELMORE County

COLD SPRINGS CREEK

NW1/4NE1/4SW1/4

Sec. 10, Twp 04S, Rge 09E B.M.

ELMORE County

COLD SPRINGS CREEK

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

ELMORE County

COLD SPRINGS CREEK

SW1/4NW1/4NE1/4

Sec. 10, Twp 04S, Rge 09E B.M.

ELMORE County

COLD SPRINGS CREEK

SE1/4NE1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

ELMORE County

Place of Use

Page _____ of _____

IRRIGATION Within ELMORE County

T03S R09E S35	Lot 4	SWSW	10.80	T03S R09E S35	Lot 3	SESW	4.10
T04S R09E S2	Lot 4	NWNW	16.30	T04S R09E S2		SWNW	22.00
T04S R09E S2		NWSW	20.00	T04S R09E S3	Lot 1	NENE	4.10
T04S R09E S3		SWNE	3.50	T04S R09E S3		SENE	25.60
T04S R09E S3		NESW	5.00	T04S R09E S3		SESW	21.20
T04S R09E S3		NESE	32.20	T04S R09E S3		NWSE	26.90
T04S R09E S3		SWSE	22.80	T04S R09E S3		SESE	13.20
T04S R09E S9		NESE	2.20	T04S R09E S9		SESE	20.00
T04S R09E S10		NENE	17.00	T04S R09E S10		NWNE	20.10
T04S R09E S10		SWNE	25.50	T04S R09E S10		NENW	15.00
T04S R09E S10		SWNW	11.00	T04S R09E S10		SENE	17.70
T04S R09E S10		NESW	26.50	T04S R09E S10		NWSW	37.00
T04S R09E S10		SWSW	34.60	T04S R09E S10		SESW	38.20
T04S R09E S10		NWSE	28.00	T04S R09E S10		SWSE	11.00
T04S R09E S15		NENW	16.00	T04S R09E S15		NWNW	32.70
T04S R09E S15		SWNW	15.20	T04S R09E S16		NENE	32.40
T04S R09E S16		NWNE	11.90	T04S R09E S16		SWNE	9.80
T04S R09E S16		SENE	28.00	T04S R09E S16		NENW	1.30
T04S R09E S16		SENE	5.50	T04S R09E S16		NESE	2.00
T04S R09E S29		NENE	33.00	T04S R09E S29		SENE	39.00
T04S R09E S29		NESE	27.00	T04S R09E S29		NWSE	36.00
T04S R09E S29		SWSE	26.00				

Total Acres: 847.3

Place of Use: STOCKWATER same as IRRIGATION

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
2. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 16.95 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
3. RIGHT NOS. 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343 & 61-00364 ARE ALSO DIVERTED THROUGH POINTS OF DIVERSION IN THE NWSWNE, S35; T03S, R09E & THE NENENW, SENENW, SWNWNE, NWNESW, S10, T04S, R09E.
RIGHT NOS. 61-02111 & 61-11885 ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED AS FOLLOWS IN THE NWSWNE, S35, T03S, R09E.
4. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1368.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-00332, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02095A, 61-02095B, 61-02199, 61-02209A, 61-02209B, 61-10363, 61-11844, 61-11847, 61-11854 & 61-11887.
5. STOCKWATER, 400 RANGE CATTLE
6. K06 THIS RIGHT IS LIMITED TO THE IRRIGATION OF 247.3 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

Decreed Date: 8/27/2002

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-2111

Current Owner: CASA DEL NORTE LP
Priority Date: 7/5/1955
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

1.02 CFS

1.02 CFS

Annual Volume

436.6 AF

436.6 AF

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T04S R09E S8	NWNE	2.40	T04S R09E S8	SWNE	25.00
T04S R09E S8	NESW	39.00	T04S R09E S8	NWSW	9.30
T04S R09E S8	SWSW	6.30	T04S R09E S8	SESW	39.00
T04S R09E S8	NWSE	27.00	T04S R09E S8	SWSE	23.00
T04S R09E S17	NENW	32.00	T04S R09E S17	NWNW	12.00

Total Acres: 215

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHT NO. 61-11885 & 61-301B IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 215 ACRES IN A SINGLE IRRIGATION SEASON.
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
3. C03 RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO SECTION 42-1425, IDAHO CODE.
4. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
5. RIGHT NO. 61-11885 IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE.

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-10363

Current Owner: CASA DEL NORTE LP
Priority Date: 3/15/1870
Origin: Water Right
Status: Active
Basis: Decreed

Source

SPRINGS

Tributary

COLD SPRINGS CREEK

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

3.25 CFS

3.25 CFS

Annual Volume

Location of Point(s) of Diversion

SPRINGS

ELMORE County

NW1/4NE1/4NE1/4

Sec. 16,

Twp 04S,

Rge 09E B.M.

SPRINGS

ELMORE County

NE1/4SW1/4NW1/4

Sec. 15,

Twp 04S,

Rge 09E B.M.

SPRINGS

ELMORE County

SE1/4NE1/4NE1/4

Sec. 16,

Twp 04S,

Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T04S R09E S15	SWNW	7.10	T04S R09E S16	NENE	20.00
T04S R09E S16	NWNE	11.90	T04S R09E S16	SWNE	9.80
T04S R09E S16	SENE	28.00	T04S R09E S16	NENW	1.30
T04S R09E S16	SENW	5.50	T04S R09E S16	NESE	2.00
T04S R09E S29	NENE	33.00	T04S R09E S29	SENE	39.00
T04S R09E S29	NESE	27.00	T04S R09E S29	NWSE	36.00
T04S R09E S29	SWSE	26.00			

Total Acres: 246.6

Page _____ of _____

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.92 CFS. COMBINED RIGHT NOS.: 61-00301A, 61-11854, 61-02095A, 61-2095B, 61-02199, 61-02209A, 61-2209B & 61-11887.
2. USE OF THIS RIGHT WITH THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 246 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301A, 61-02095A, 61-2095B, 61-02199, 61-02209A, 61-2209B & 61-11887.
3. THREE POINTS OF DIVERSION LOCATED IN T04S, R09E, S16, NENE.
4. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

Decreed Date: 9/5/2002

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-11854

Current Owner: CASA DEL NORTE LP
Priority Date: 4/1/1910
Origin: Water Right
Status: Active
Basis: Decreed

Source

SPRINGS

Tributary

COLD SPRINGS CREEK

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

0.42 CFS

0.42 CFS

Annual Volume

Location of Point(s) of Diversion

SPRINGS

ELMORE County

SE1/4SW1/4NE1/4

Sec. 16, Twp 04S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T04S R09E S29	NENE	33.00	T04S R09E S29	SENE	39.00
T04S R09E S29	NESE	27.00	T04S R09E S29	NWSE	36.00
T04S R09E S29	SWSE	26.00			

Total Acres: 161

Conditions of Approval:

1. C15 THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER IN BASIN 61 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER RIGHTS IN BASIN 61: WATER RIGHT NO. SOURCE NONE NONE THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER IN BASIN 61 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER RIGHTS IN THE SNAKE RIVER BASIN: WATER RIGHT NO. SOURCE NONE NONE ALL WATER RIGHTS WITHIN BASIN 61 ARE FROM CONNECTED SOURCES OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED CONJUNCTIVELY.
2. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 3.22 CFS. COMBINED RIGHT NOS.: 61-00301, 61-02095, 61-02199, 61-02209, 61-11887.
3. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1371.7 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 61-00301, 61-00333, 61-00334, 61-00335, 61-00336, 61-00337, 61-00338, 61-00339, 61-00340, 61-00343, 61-00364, 61-02008, 61-02095, 61-02199, 61-02209, 61-10363, 61-11844, 61-11847, 61-00332 & 61-11887.

Page _____ of _____

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 61-11885

Current Owner: CASA DEL NORTE LP
Priority Date: 7/5/1955
Origin: Water Right
Status: Active
Basis: Decreed

Source

COLD SPRINGS CREEK

Tributary

SNAKE RIVER

Beneficial Use

IRRIGATION

From To

02/15 to 11/15

Total Diversion

Diversion Rate

0.48 CFS

0.48 CFS

Annual Volume

Location of Point(s) of Diversion

COLD SPRINGS CREEK

ELMORE County

NW1/4SW1/4NE1/4

Sec. 35, Twp 03S, Rge 09E B.M.

Place of Use

IRRIGATION Within ELMORE County

T04S R09E S8	NWNE	2.40	T04S R09E S8	SWNE	25.00
T04S R09E S8	NESW	39.00	T04S R09E S8	NWSW	9.30
T04S R09E S8	SWSW	6.30	T04S R09E S8	SESW	39.00
T04S R09E S8	NWSE	27.00	T04S R09E S8	SWSE	23.00
T04S R09E S17	NENW	32.00	T04S R09E S17	NWNW	12.00

Total Acres: 215

Conditions of Approval:

1. RIGHT NO. 61-02111 IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE.
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
3. USE OF THIS RIGHT WITH RIGHT NO. 61-02111 & 61-301B IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 215 ACRES IN A SINGLE IRRIGATION SEASON.

Decreed Date: 9/11/2002

Total Acres (for irrigation use)	161
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Total Acres (for irrigation use)	161
----------------------------------	-----

Total Acres (for irrigation use)	161
----------------------------------	-----

Total Acres (for irrigation use) 161

Total Acres (for irrigation use) 161

Total Acres (for irrigation use)	161
----------------------------------	-----

Total Acres (for irrigation use) 161

Total Acres (for irrigation use)	161
----------------------------------	-----

Total Acres (for irrigation use)	161
----------------------------------	-----

A. PLAT MAP (See Part 3A of Instructions for application for transfer for complete requirements.)

- If the place of use currently consists of a permissible place of use, then the attachment is not required if the application contains a clear statement that the boundaries for the place of use are not proposed to be changed by the transfer and the total number of irrigated acres within the place of use before and after the transfer is clearly stated.

If any part of the irrigation water right is leased to the Water Supply Bank, you must also specify the location and number of acres that will remain idled for the duration of the lease contract at the new, proposed place of use.

☐ If you propose to change the nature of use or period of use of all or part of the right(s) listed in this application, attach documentation describing the extent of historic beneficial use of the portion of the right(s) proposed to be changed. Also attach documentation showing that the portion of the right(s) to be changed will not be enlarged in rate, volume, or consumptive use through the proposed change. Label it **Attachment #8a**.

☐ If you propose to change the place of use of a supplemental irrigation right, answer below and attach supporting documentation. Label it **Attachment #8b**.

Describe how the supplemental water rights have been used historically in conjunction with other water rights at the existing place of use. Describe the time during the irrigation season that the supplemental rights have been used. Include information about the availability or reliability of the primary right(s) being supplemented, both before and after the change. If the applicant is proposing to change a supplemental irrigation right to a primary right, provide the information required on Part 3B above:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Transfer contains _____ pages and _____ attachments.

Received by _____ Date _____ Preliminary check by _____ Date _____

Fee paid _____ Date _____ Received by _____ Receipt # _____

Add'l fee paid _____ Date _____ Receipted by _____ Receipt # _____

Check all that apply: Attachment WSB ☐ (copy sent to state office) Lessor Designation form ☐ &/or W-9 ☐ (originals to state office)

Legend

61-301A Group current pods

 Springs

 Well

 61-301A Group current pou

2-Plus Well

4S 9E



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Transfer Attachment 7A1
61-301A Group Current POU & PODs

Amendment
Transfer No. 81800

DATE: 10/29/2018

USER: LGraves

PROJECT: 162.0010



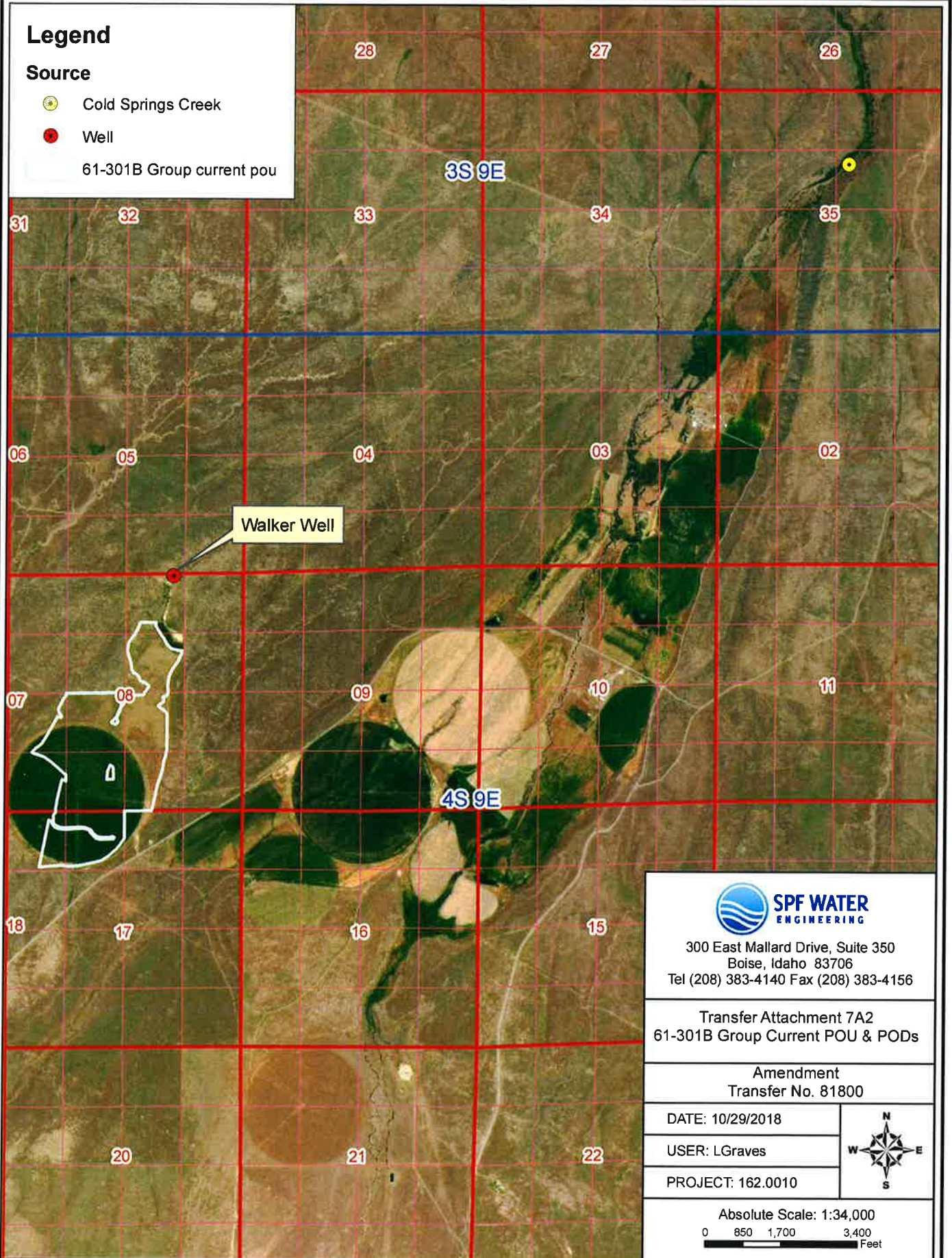
Absolute Scale: 1:25,096

0 625 1,250 2,500 Feet

Legend

Source

-  Cold Springs Creek
-  Well
-  61-301B Group current pou



Path: S:\PROJECTS\1620010 Cold Springs Creek Ranch\PROJECT 2018\GIS\Map, Project\162018 XFR Amendment Maps\Attachment 7A2 Map.mxd

COORDINATE REFERENCE SYSTEM: NAD 1983 2011 StatePlane Idaho West FIPS 1103 F1 US

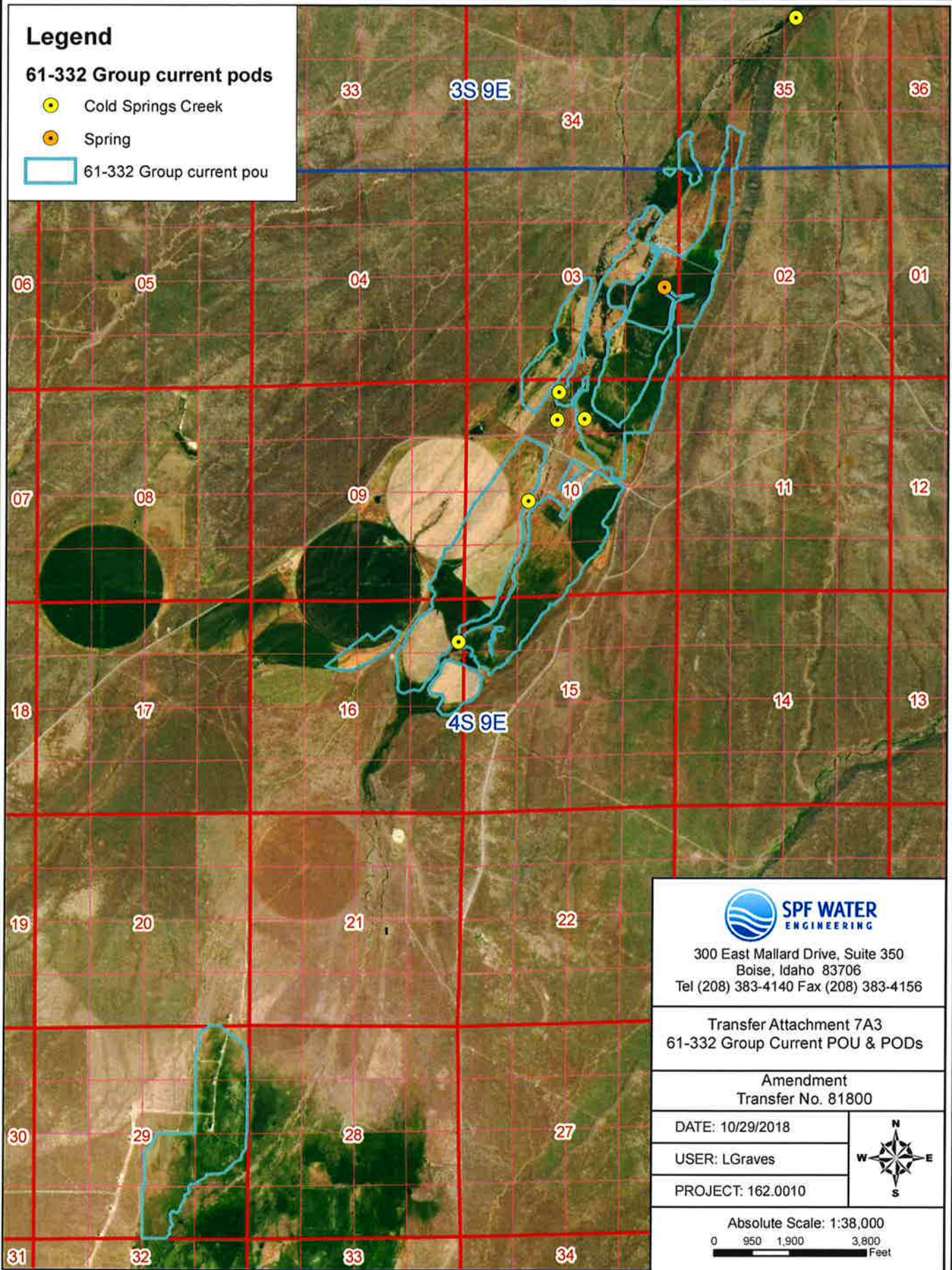
Legend

61-332 Group current pods

● Cold Springs Creek

● Spring

61-332 Group current pou



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Transfer Attachment 7A3
61-332 Group Current POU & PODs

Amendment
Transfer No. 81800

DATE: 10/29/2018

USER: LGraves

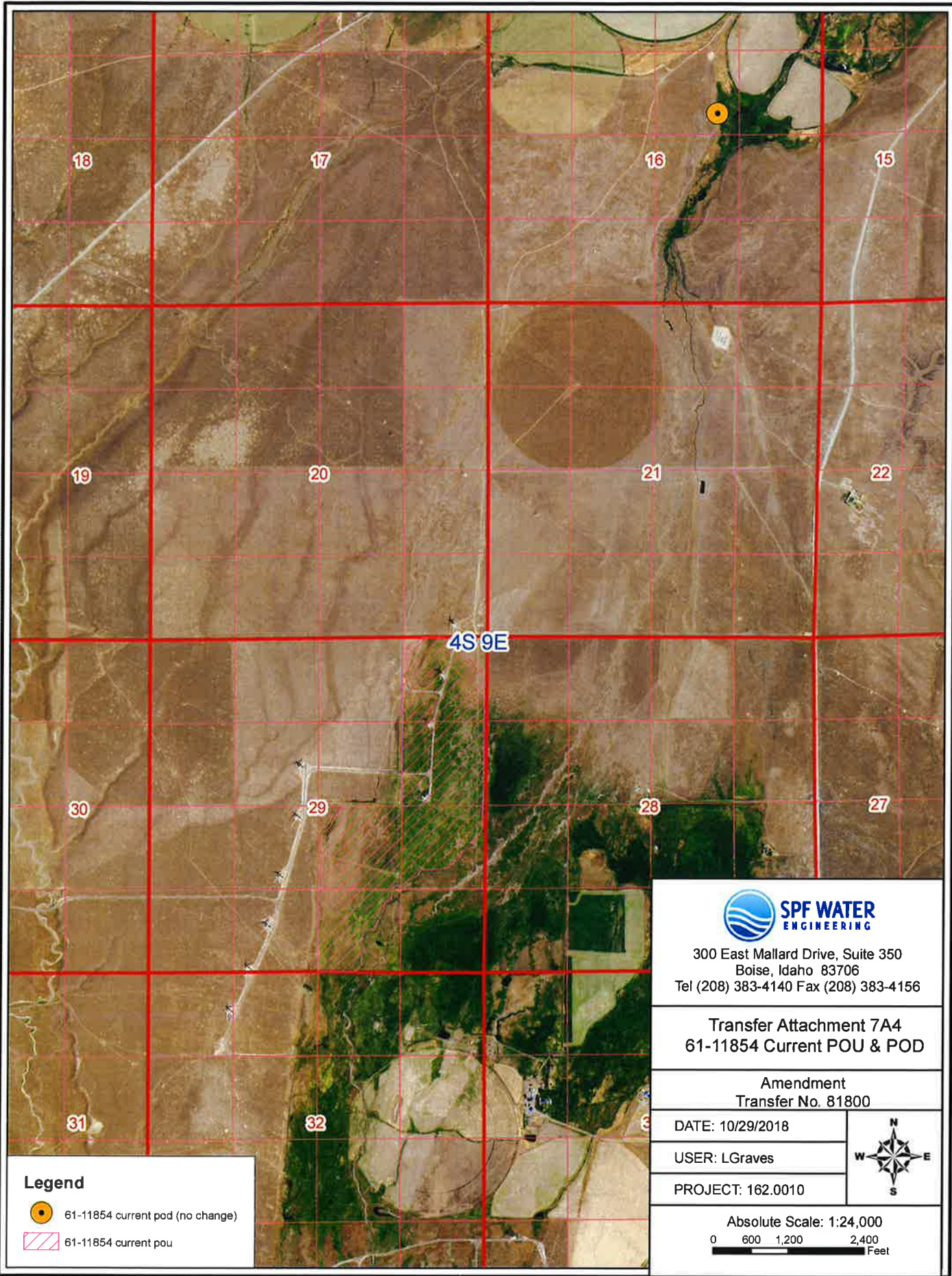
PROJECT: 162.0010



Absolute Scale: 1:38,000

0 950 1,900 3,800
Feet

Path: S:\PROJECTS\1620010 Cold Springs Creek Ranch\PROJ\ECT 2018\GIS\Map\Project\10-2018 XFR Amendment Maps\Attachment 7A4 Map.mxd



Legend

-  61-11854 current pod (no change)
-  61-11854 current pou



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

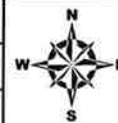
**Transfer Attachment 7A4
61-11854 Current POU & POD**

**Amendment
Transfer No. 81800**

DATE: 10/29/2018

USER: LGraves

PROJECT: 162.0010

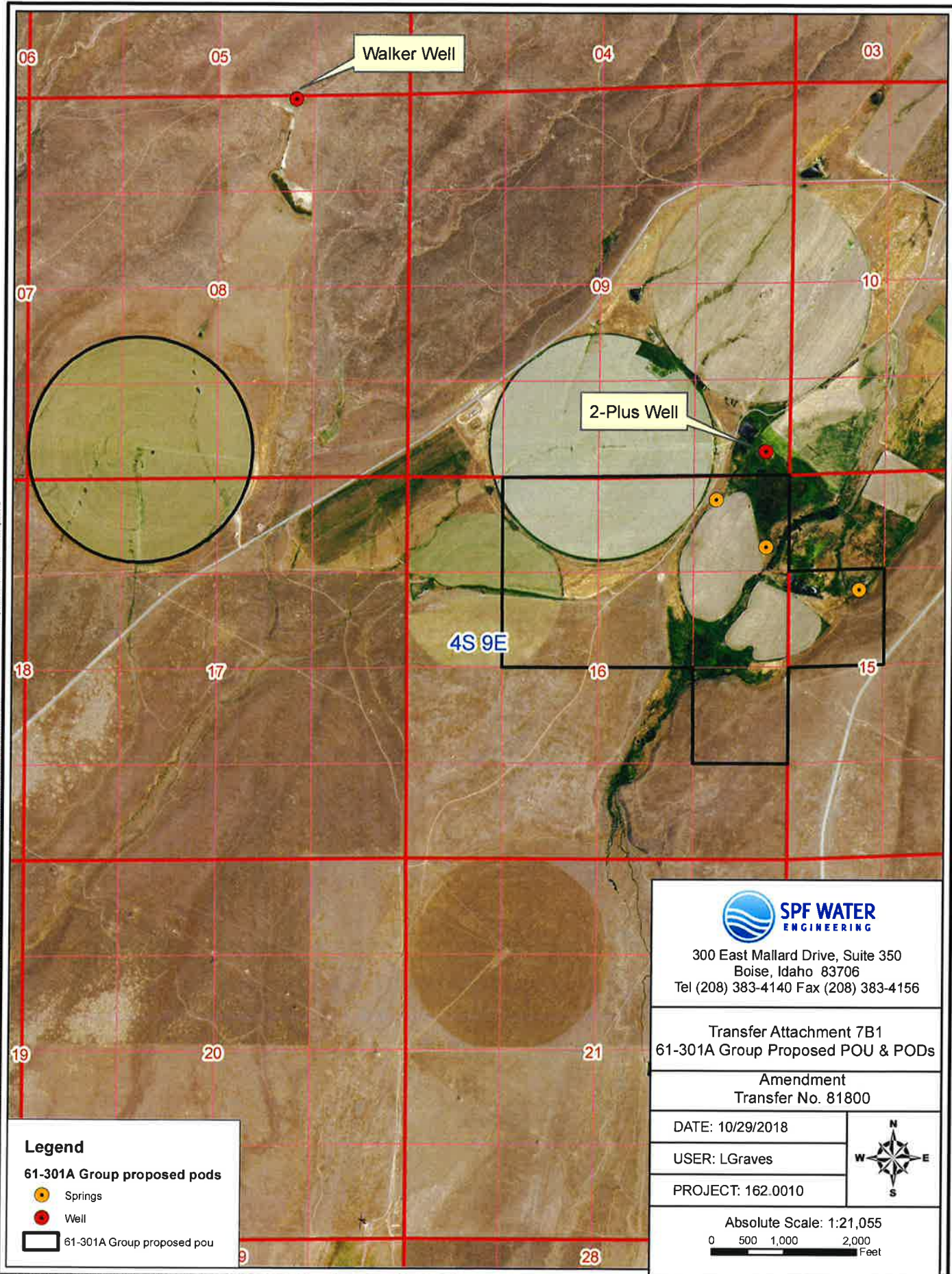


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0 600 1,200 2,400 Feet

COORDINATE REFERENCE SYSTEM: NAD 1983 2011 StatePlane Idaho West FIPS 1103 Ft US

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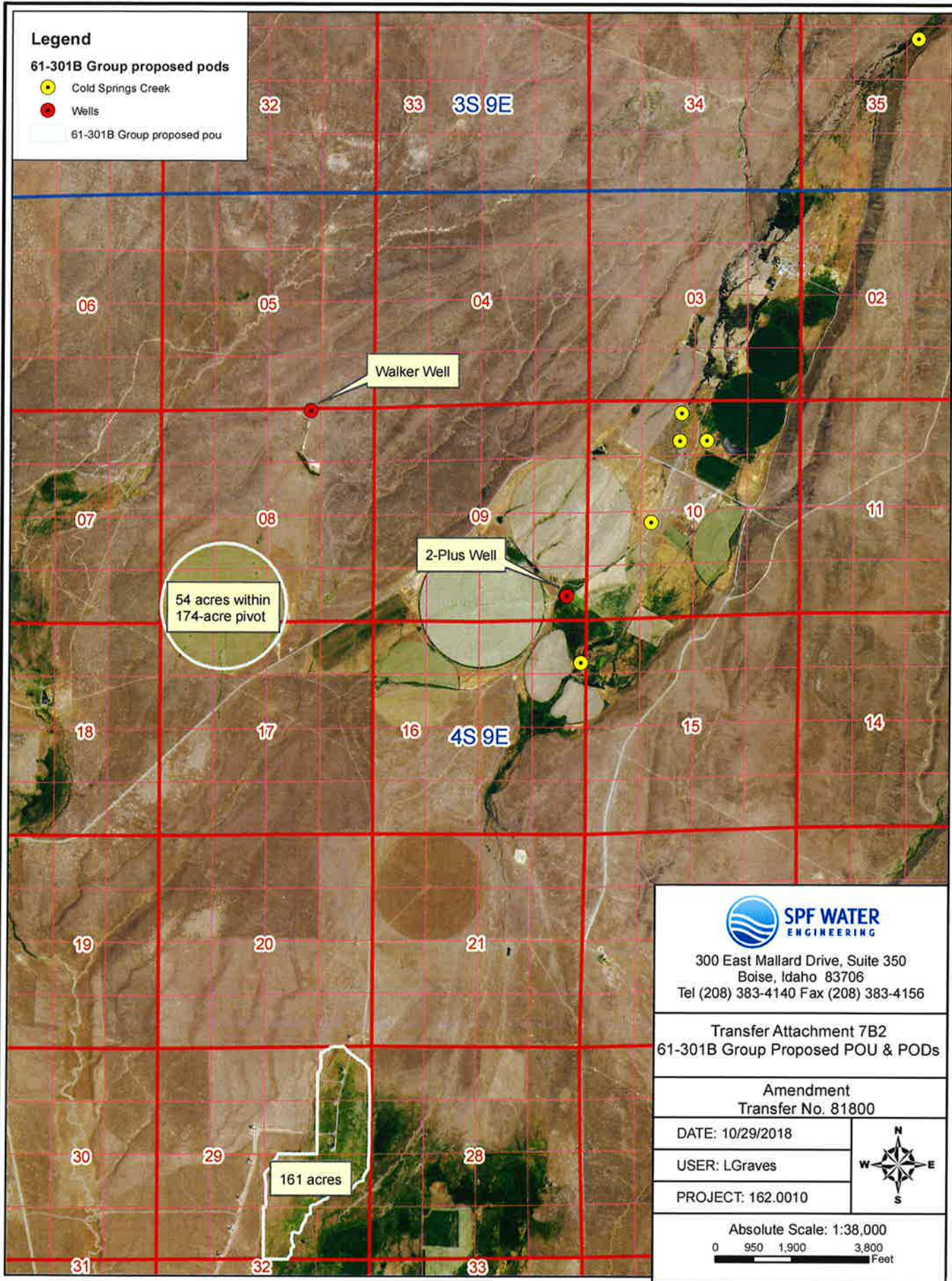
Legend

61-301B Group proposed pods

● Cold Springs Creek

● Wells

61-301B Group proposed pou



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Transfer Attachment 7B2
61-301B Group Proposed POU & PODs

Amendment
Transfer No. 81800

DATE: 10/29/2018

USER: LGraves

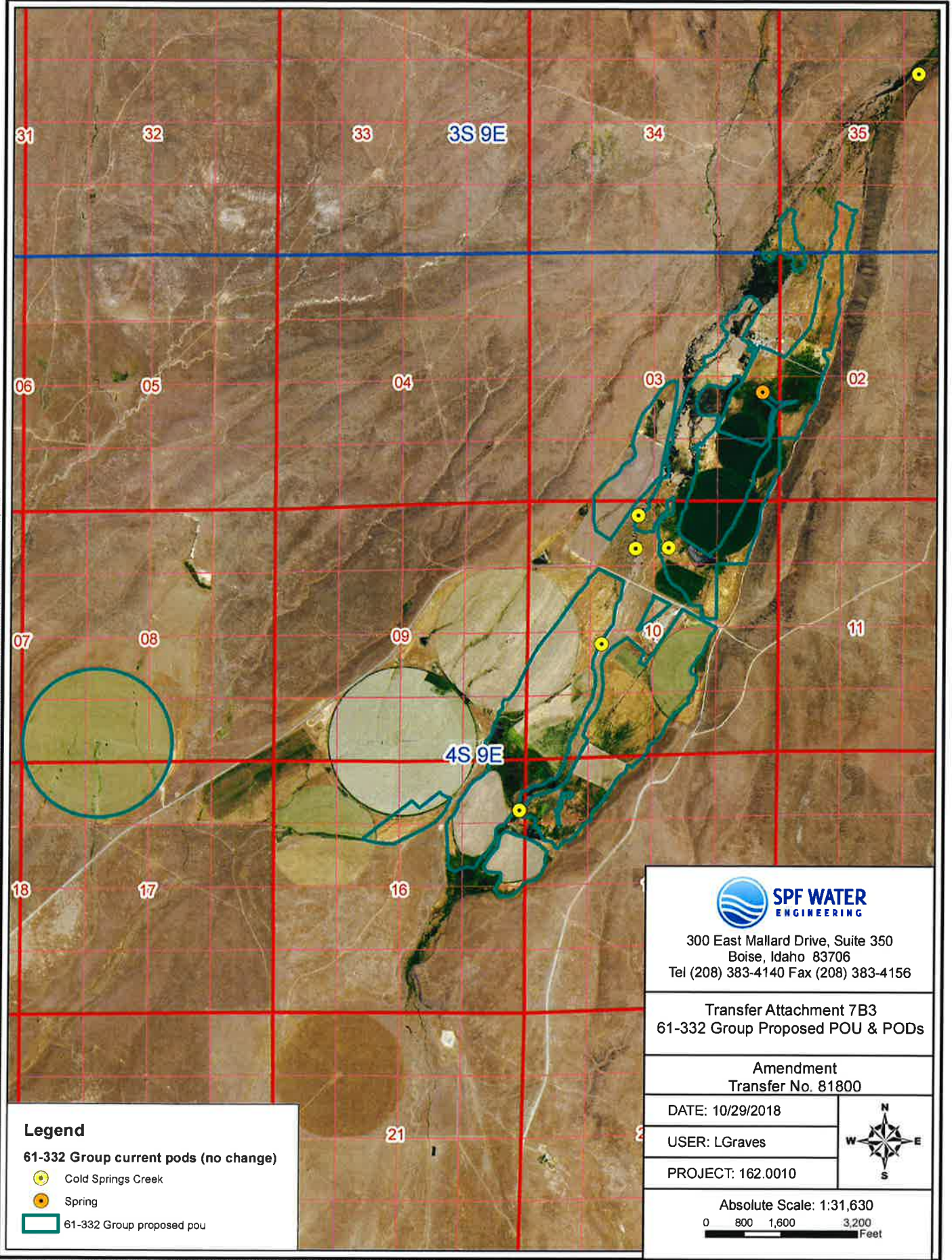
PROJECT: 162.0010



Absolute Scale: 1:38,000

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Pair: S:\PROJECTS\1620010 Cold Springs Creek Ranch\PROJECT 2018\GIS\Map_1620010 Cold Springs Creek Ranch\Attachment 7B3 Map.mxd



Legend

61-332 Group current pods (no change)

- Cold Springs Creek
- Spring

61-332 Group proposed pou



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Transfer Attachment 7B3
61-332 Group Proposed POU & PODs

Amendment
Transfer No. 81800

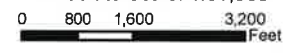
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USER: LGraves

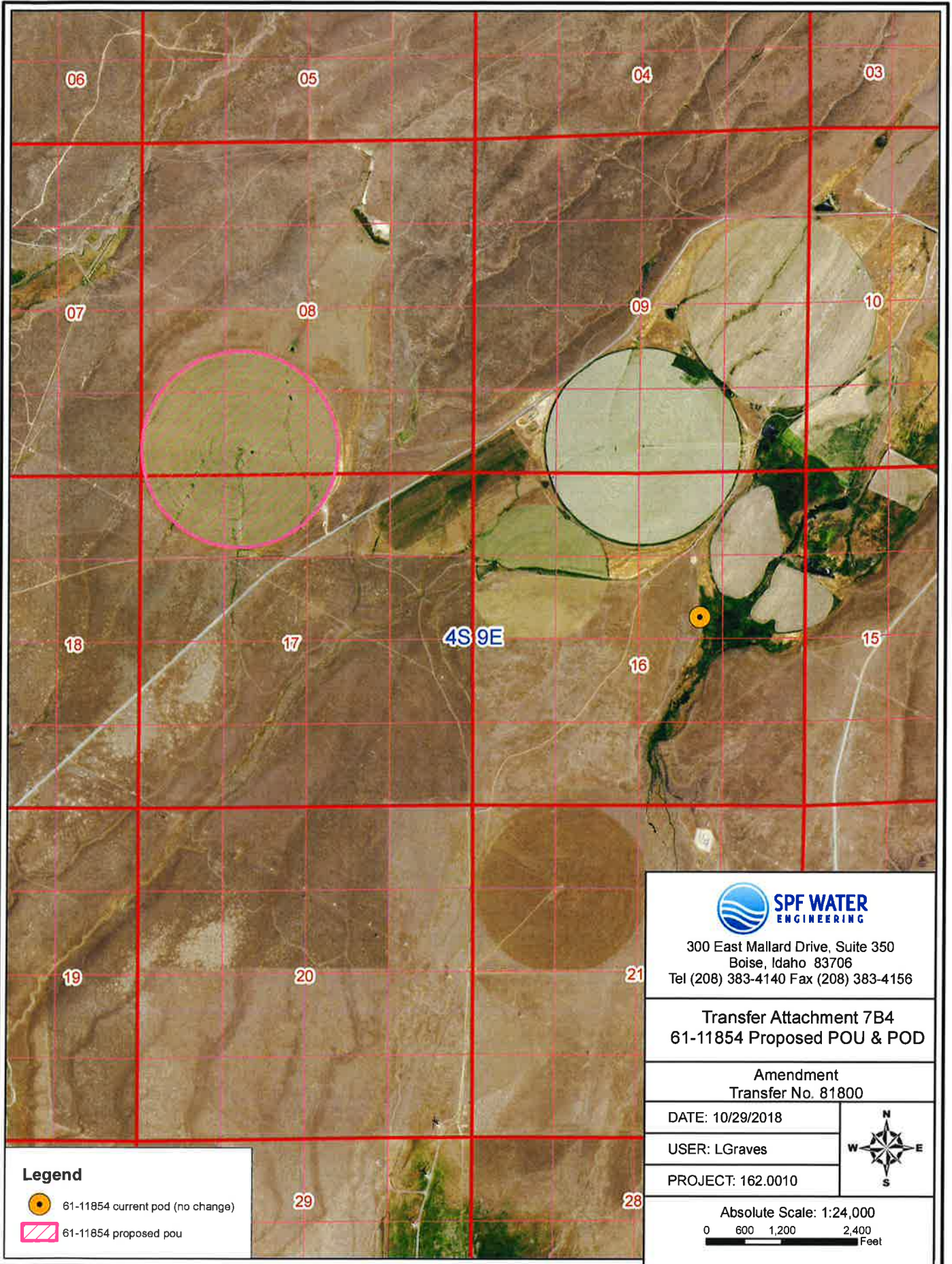
PROJECT: 162.0010



Absolute Scale: 1:31,630



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COORDINATE REFERENCE SYSTEM: NAD 1983 2011 StatePlane Idaho West FIPS 1103 Ft US



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

January 11, 2019

DOUBLE ANCHOR RANCHES
5420 W DOUBLE ANCHOR DR
GLENS FERRY ID 83623

Re: Application for Transfer No. 81800

Dear Interested Party:

The above referenced application may be of interest to you. I would like to inform you that the application has been submitted to *Mountain Home News* for advertising. I have enclosed a copy of the application for your convenience. This information is also available on our website www.idwr.idaho.gov.

If you desire to file a formal protest against approval of the application, a written protest along with the \$25.00 protest fee must be received in this office by **February 4, 2019**. A copy of the protest must also be sent to the applicant.

If you have any questions regarding the application, please contact this office at 208-334-2190.

Sincerely,

Anna Kaiser
Administrative Assistant
Western Regional Office

Enclosures

Kaiser, Anna

From: Kaiser, Anna
Sent: Thursday, January 10, 2019 10:26 AM
To: 'sswenson@mountainhomenews.com'
Subject: Elmore Legal Ad
Attachments: Cover Letter.docx; Legal Notice.docx

Good Morning Legal Clerk,

My name is Anna. I will be sending you legal notices, please send confirmation to my email.

Please see the attached ad for publication on 1/16/2019 & 1/23/2019.

Please confirm these are okay to publish as shown.

Anna Kaiser | Administrative Assistant I
IDWR-Western Region
2735 W Airport Way, Boise ID 83705
(208).334.2190 | anna.kaiser@idwr.idaho.gov

January 10, 2019

LEGAL NOTICE DEPARTMENT
MOUNTAIN HOME NEWS
PO BOX 1330
MOUNTAIN HOME, ID 83647-1330

RE: Transfer No. 81800,
Water Right Nos: 61-10363, 61-11854, 61-11885, 61-2008, 61-2111, 61-301A, 61-301B, 61-332,
61-333, 61-334, 61-335, 61-336, 61-337, 61-338, 61-339, 61-340, 61-343, 61-364

RE: Transfer No. 80342,
Water Right Nos: 61-11887A, 61-2095A, 61-2199A, 61-2209A

RE: Application For Permit No: 61-12334

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 2/4/2019. Your cooperation is appreciated.

Sincerely,

Anna Kaiser
Administrative Assistant

Enclosures

The following applications have been filed to appropriate the public waters of the State of Idaho:

61-12334

OASIS VOLUNTEER FIRE DEPT INC

15165 W SOLES REST CREEK RD

OASIS, ID 83647

Point of Diversion L2(NWNE) S3 T02S R05E ELMORE County Source GROUND WATER

Use: COMMERCIAL 01/01 to 12/31 0.06 CFS

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: FIRE PROTECTION 01/01 to 12/31 0.1 CFS

Total Diversion: 0.2 CFS

Date Filed: 10/18/2018

Place Of Use: COMMERCIAL, DOMESTIC, FIRE PROTECTION

T02S R05E S3 L2(NWNE)

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

TRANSFER NO. 80342

CASA DEL NORTE LP, 11204 N BAR 21 DR, GLENNS FERRY, ID 83623; has filed Application No. 80342 for changes to the following water rights within ELMORE County(s): Right No(s). 61-11887A, 61-2095A, 61-2199A, 61-2209A; to see a full description of these rights and the proposed transfer, please see www.idwr.idaho.gov/apps/wr/QueryNewTransfers/QueryNewTransfers.aspx. The purpose of the transfer is to change a portion of the above rights as follows: This transfer proposes to add a point of diversion to water right nos. 61-2095A, 61-2199A, 61-2209A, and 61-11887A. The new point of diversion is from a well located in the NW NW of Section10, Twp 4S Rge 9E drilled in October of 2018. The general location is 10 miles NW of Glens Ferry.

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

TRANSFER NO. 81800

CASA DEL NORTE LP, 11204 N BAR 21 DR, GLENNS FERRY, ID 83623; has filed Application No. 81800 for changes to the following water rights within ELMORE County(s): Right No(s). 61-10363, 61-11854, 61-11885, 61-2008, 61-2111, 61-301A, 61-301B, 61-332, 61-333, 61-334, 61-335, 61-336, 61-337, 61-338, 61-339, 61-340, 61-343, 61-364; to see a full description of these rights and the proposed transfer, please see www.idwr.idaho.gov/apps/wr/QueryNewTransfers/QueryNewTransfers.aspx. The purpose of the transfer is to change a portion of the above rights as follows: The purpose of the transfer application is to change the place of use for portions of the listed rights and add points of diversion that already exist to specific rights. The place of use changes involve land described within Twn 4N Rge 9E Sections 8, 17 and 29. The transfer also proposes to add a point of diversion to ground water rights no. 61-301A and 61-301B. Additional Point of Diversion changes will add Cold Springs Creek diversions to water rights 61-2111 and 61-11885. These proposed changes would occur approximately 13 miles east of Mountain Home, near the end of Bennet Road.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 W AIRPORT WAY, BOISE ID 83705-5082 together with a protest fee of \$25.00 for each application on or before 2/4/2019. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 1/16/2019 and 1/23/2019



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

January 10, 2019

CASA DEL NORTE LP
11204 N BAR 21 DR
GLENNS FERRY, ID 83623

RE: Transfer No: 81800

Water Right Nos: 61-10363, 61-11854, 61-11885, 61-2008, 61-2111, 61-301A, 61-301B, 61-332, 61-333, 61-334, 61-335, 61-336, 61-337, 61-338, 61-339, 61-340, 61-343, 61-364

RE: Transfer No. 80342

Water Right Nos: 61-11887A, 61-2095A, 61-2199A, 61-2209A

Dear Applicants:

The Department of Water Resources has received your water right transfer applications. Please refer to the transfer numbers referenced above in all future correspondence regarding these transfers.

A legal notice of each application has been prepared and is scheduled for publication in the MOUNTAIN HOME NEWS on 1/16/2019 and 1/23/2019. Protests to the applications may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the applications are not protested, the Department will process your applications and notify you of any action taken on the applications. If your applications are approved, the Department will send you a copy of the approval documents.

Please contact this office if you have any questions regarding the applications.

Sincerely,

Anna Kaiser
Administrative Assistant

CC:

SPF WATER ENGINEERING LLC
C/O LORI GRAVES
300 E MALLARD DR STE 350
BOISE, ID 83706

NORMAN M SEMANKO
PARSONS BEHLE & LATIMER PLC
800 W MAIN ST STE 1300
BOISE, ID 83702



SPF WATER
ENGINEERING

December 18, 2018

RECEIVED

DEC 20 2018

WATER RESOURCES
WESTERN REGION

Angie Grimm
IDWR Western Region Office
2735 Airport Way
Boise, ID 83705

Subject: 2nd Amended Transfer No. 81800 - Required Fees

Dear Angie,

In response to your email request, enclosed is check no. 014038 for \$445 to cover the increase in the diversion rate along with the required re-advertising fee for 2nd amended transfer no. 81800 that was submitted 12/3/2018.

Thank you very much for your consideration and assistance in this matter. Please call me if you have any questions.

Sincerely,

Lori Graves
Water Rights Specialist

Cc: Casa Del Norte
Norm Samanko

Enclosures

SPF file number: 162.0010



RECEIVED

SEP 04 2018

WATER RESOURCES
WESTERN REGION

September 4, 2018

Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705

Attn: Hearing Officer Nick Miller

Dear Mr. Miller,

Enclosed is SPF Water Engineering's Expert Witness Report for Casa Del Norte's Transfer Application No. 81800.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Scott N. King". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Scott N. King, P.E.
Supervising Engineer

cc: Norm Semanko (email)
Casa Del Norte (email)

File: 162.0010

**Casa Del Norte, L.P.
Amended Application for Transfer No. 81800
Expert Witness Report**

Prepared for

**Casa Del Norte, L.P.
11204 North Bar 21 Drive
Glenns Ferry, Idaho 83623**

Prepared by

**SPF Water Engineering, LLC
300 East Mallard, Suite 350
Boise, Idaho 83706
(208) 383-4140**

September 4, 2018



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Appendix A: Casa Del Norte Cold Springs Creek Farm Water Rights Spreadsheet

1. WATER RIGHTS SYNOPSIS

1.1. Introduction

The Cold Springs Creek Farm hold water rights from various surface- and ground-water sources for irrigation of 1,586 acres. A spreadsheet titled "Casa Del Norte Cold Springs Creek Farm Water Rights" is included in Appendix A, providing a summary of the rights, their authorized quantities, and combined use limits. The following describes the rights and are grouped by source.

1.2. Cold Springs Creek

There are two groups of Cold Springs Creek water rights. The large group consists of twelve water rights that authorize use of Cold Springs Creek at 5 points of diversion. These rights include: 61-332, 61-333, 61-334, 61-335, 61-336, 61-337, 61-338, 61-339, 61-340, 61-343, 61-364, and 61-2008. Together, these rights authorize 18.96 cfs for irrigation of 847.3 acres. These rights are conditioned that when used with certain other surface- and ground-water rights, the combined rights are limited to 16.95 cfs for the irrigation of 1368 (or 1371) acres. (Most rights list a combined area of 1368 acres, but 61-11854 lists 1371 acres.)

The small group of Cold Springs Creek water rights includes 61-211 and 61-11885. These rights together provide 1.5 cfs for irrigation of 215 acres. These rights are overlapped with hot groundwater right 61-301B, providing 1.02 cfs for the same 215 acres. The area covered by these rights may be referred to in this report and elsewhere as the "Bull Pasture."

1.3. Cold Groundwater

The Farm has three groundwater wells diverting from "cold" (not exceeding 85°F) groundwater used for irrigation. Water right 61-11847 authorizes diversion of 0.6 cfs for irrigation of 30.6 acres. This well is referred to as "House Well" and is located at T04S R09E Sec 03 SENE.

Water rights 61-2095A, 61-2199A, 61-2209A, and 61-11887A together authorize diversion of 9.34 cfs for irrigation of 800.9 acres from two cold groundwater wells. These wells are commonly called "Upper Bench" to the west at T04S R09E Sec 10 NWNW, and "Trout Pond" to the east at T04S R09E Sec 10 SWNE. The BLM owns the "B" portions of four associated water rights, totaling 0.19 cfs for 16 acres, which cover the portion on BLM lands of a center pivot located at T04S R09E Sec 9 NESW.

1.4. Springs

The Farm has two water rights authorizing diversion from springs for irrigation. Right 61-10363 authorizes diversion of 3.25 cfs for irrigation of 246.6 acres and is overlapped by 61-301A, a hot groundwater right. Right 61-11854 authorizes diversion of 0.42 cfs

for irrigation of 161 acres. Both of these are included within the large 1368-acre place of use.

1.5. Unnamed Stream

Water right 61-11844 provides 0.54 cfs for irrigation of 50.6 acres. This place of use is within the large 1368-acre place of use.

1.6. Hot Groundwater

Two groundwater wells provide irrigation water that is considered "hot" (exceeding 85°F). Water right 61-301B authorizes diversion of 1.02 cfs for irrigation of 215 acres, the area referred to as the "Bull Pasture," from a well located at T04S R09E Sec 8 NWNE and commonly referred to as the "Walker Well" and/or the "Little Hot Well."

Water right 61-301A authorizes diversion of 5.38 cfs for irrigation of 246.6 acres from a well located at T04S R09E Sec 9 SESE and commonly referred to as the "Two-Plus Well" and/or the "Big Hot Well." The 246.6-acre place of use authorized by this right is overlapped by spring right 61-11854. These rights are within the large 1368-acre place of use separate from the "Bull Pasture."

2. IRRIGATION SYSTEM OVERVIEW

2.1. Mainline System and Regulating Ponds

Irrigation water is primarily pressurize-applied with a series of full- and part-circle center pivots, wheel lines, and handlines with some gravity flow application. Early in the irrigation season when surface water runoff is sufficient, surface water supplies (Cold Springs Creek, springs, and unnamed stream) provide the primary source for many acres with groundwater also used as a primary source on remaining acres. As the irrigation season progresses, surface water flows diminish and groundwater use continues.

Irrigation of all sprinkler irrigated lands with the farm is accomplished using a single interconnected pressurized mainline system. A trunk section of 18-inch mainline parallels Cold Springs Creek through the farm, with branch mainlines supplying individual sprinkler systems.

The mainline system is divided into two pressure zones. The upper (high-pressure) zone serves lands north of the Trout Pond. The low-pressure zone serves lands south of the Trout Pond. With only a few minor exceptions, all of the water sources (Cold Springs Creek, springs, cold groundwater, and hot groundwater) can flow (by gravity or pump) into the mainline system.

Several small regulating ponds are utilized as part of the irrigation water management. These include the Trout Pond, the Hot Pond, and the Lower Pond. The ponds are used

as temporary storage locations, from which water can be repumped into the sprinkler system. The Trout Pond and Hot Pond can overflow to the Lower Pond, where the water is pumped into the pressure mainline system, or can flow south through a mainline to gravity irrigate lands in Section 29 (i.e., the "Lower Desert").

The high-pressure and low-pressure portions of the mainline are separated by a pressure sustaining valve at the Trout Pond. When pressure on the high-pressure side of the valve exceed the valve set-point pressure (70 psi+/-), the valve will bleed water into the low-pressure portion of the mainline. A booster pump on the low-pressure side of the mainline can pump water into the high-pressure side of the mainline to provide pressure to sprinklers and pivots north and northeast of the Pond if supply or demand on the high-pressure side cause the pipeline pressure to fall to below about 65 psi.

When pressures in the low-pressure side of the mainline exceed approximately 45 psi, a pressure relief valve will open and discharge water into the Trout Pond. Water from the Trout Pond can later be pumped back into low-pressure mainline as needed to meet demands (in the high- or low-pressure zones) or can overflow through a ditch to the Lower pond, where it can be re-pressurized and pumped back into the low-pressure portion of the mainline system.

Because of the ability to supply water from the low-pressure zone to the high-pressure zone, and vice-versa, any source of water can supply any sprinkler irrigated land within the farm. This provides flexibility to maximize use of surface water sources when in priority, and to supplement with groundwater when surface water supplies are diminished.

2.2. Cold Springs Creek

The primary Cold Springs Creek diversion is located upstream of the place of use, where the creek canyon opens at T03S R09E Sec 35 SWNE. Diverted flows are directed to the creek's left (east) side, through a bubbler to remove debris, and into an 18-inch diameter pipeline. Diverted flow is measured with a Siemens F M Mag 8000 magnetic flowmeter. On the creek's right (west) side near the irrigation point of diversion, flow is diverted into a small ditch for stockwater use and is measured with a rectangular weir. The elevation of the primary diversion point is adequate to provide gravity pressure for sprinkler and pivot irrigation in the upper (high-pressure) portion of the mainline system.

The lowest Cold Springs Creek diversion is located at T04S R09E Sec 16 NENE where diverted flow is directed into the Lower Pond where it is subsequently pumped back into the irrigation system. A magnetic flow meter is used to measure diversion rate. This pond also collects water from upstream sources (springs, Trout Pond overflow, Hot Pond overflow) where it can be pumped into the irrigation system.

2.3. Hot Water Wells

Water from the Two-Plus (aka Big Hot) Well, located at T04S R09E Sec 9 SESE, flows into the Hot Pond where it is allowed to cool before being pumped into the irrigation

system mainline. The well is equipped with a pump, but early in the season will flow under artesian pressure.

Water from the Walker (aka Little Hot) Well flows into a pond near the Bull Pasture where it is allowed to cool before being gravity applied to pumped into the irrigation system. Under current irrigation practices, this well is rarely if ever used for irrigation.

2.4. Cold Water Wells

The Trout Pond well has a 300-hp pump that discharges into the low-pressure side of the pressurized mainline adjacent to the Trout Pond at adequate pressure (40 psi+/-) for sprinklers and pivots south and west of the Pond

The Upper Bench well has a 100-hp pump that discharges into a pipeline that connects into the high-pressure side of the 18-inch mainline. As such, water from the Upper Bench Well can also be used on any sprinkler-irrigated land on the farm. Note that a replacement Upper Bench well is currently under construction.

2.5. Springs

Springs in the vicinity of the Lower Pond can flow to the Lower Pond where the water is then pumped into the pressurized irrigation system.

3. TRANSFER 81800

3.1. Transfer Summary

Casa del Norte (the Applicant) is seeking changes to the description of its water rights to match current practice. The Applicant submitted its amended application for transfer #81800 on July 2, 2018.

The current practice associated with the transfer consists of irrigating a 174-acre field using a center-pivot sprinkler (i.e., the Bull Pasture pivot) supplied from the common pressurized irrigation system. The water demand for the pivot is between 0.015 and 0.020 cfs/acre (2.61 to 3.48 cfs total), but the water rights currently authorized for use on the lands provide only 1.02 cfs of groundwater and 1.50 cfs of junior-priority Cold Springs Creek water. To allow full irrigation of the 174-acre field, Transfer #81800 proposes to supply 3.48 cfs of groundwater to the field. The junior priority Cold Springs water rights will continue to be used, but will be consolidated from 215 acres to 174 acres. Both hot wells (Walker and Two Plus) are proposed as points of diversion, although in practice the Two Plus well will continue to be the primary water source.

The water rights subject to transfer #81800 are summarized in Table 1 below. The rights as they were decreed prior to the transfer are shown in Figure 1.

Water Right No.	Priority Date	Source	Diversion Rate (cfs)	Irrigated Area (ac)	Annual Diversion Volume (ac-ft)	Decreed Conditions
61-301A	6/10/1955	Ground Water	5.38	246.6	984.0	Limited to 4.92 cfs and 1,368 acres when used with other rights listed
Total			5.38	246.6	984.0	
61-301B	6/10/1955	Ground Water	1.02	215.0	433.0	
61-2111	7/5/1955	Cold Springs Creek	1.02		436.6	
61-11885	7/5/1955	Cold Springs Creek	0.48			
Total			2.52	215.0	869.6	

Table 1. Water Rights Subject to Transfer

The subject water rights currently authorize irrigation in two discreet areas.

- Water right 61-301A diverts water from the Two-Plus Well (Figure 1) for irrigation of 246.6 acres located in Sections 15, 16, and 29. These lands are located within a 1368-acre common place of use for Cold Springs Creek rights.
- Water rights 61-301B, 61-2111, and 61-11885 divert water from the Walker Well and from Cold Springs Creek for the irrigation of a combined total of 215 acres.

Upon approval, transfer #81800 will (1) describe an integrated water delivery system that uses the Two Plus and Walker wells in combination with deliveries from Cold Springs Creek, (2) describe changes to the place of use for the four water rights, (3) increase the authorized hot groundwater diversion rate to the Bull Pasture pivot shown in Figure 2 while reducing the authorized hot groundwater rate by an equal amount to lands in Section 29, (4) decrease the irrigated area under Bull Pasture Cold Springs Creek water rights from 215 acres to 174 acres, and (5) decrease the irrigated area under water right 61-301B from 215 acres to 174 acres. The proposed changes are shown in Figure 2.

A summary of changes to the elements of the subject rights is presented in Table 2. As shown in Table 2, there is a no change in total diversion rate, and a total net decrease in annual diversion volume and irrigated area for the sum of the transferred rights, thus no enlargement is proposed.

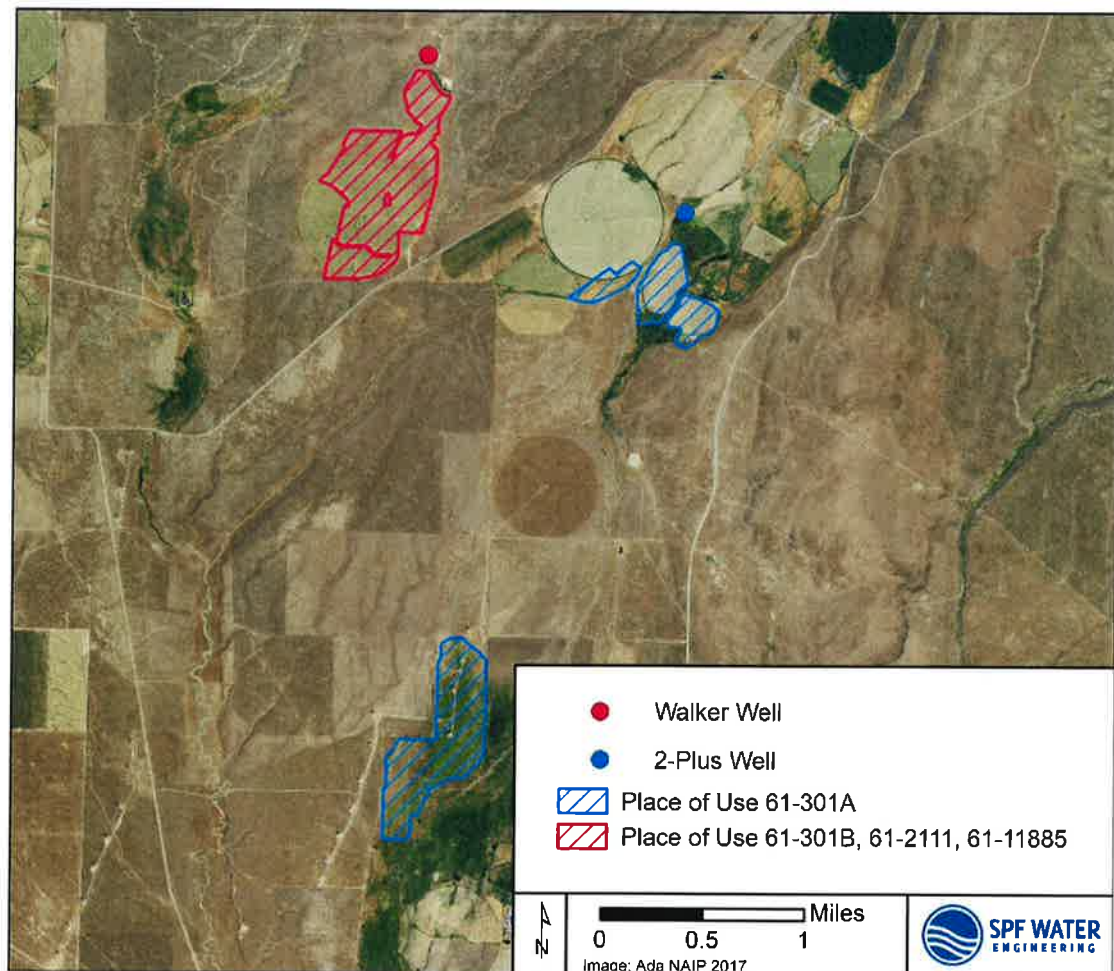


Figure 1. Points of Diversion and Places of Use before Proposed Transfer.

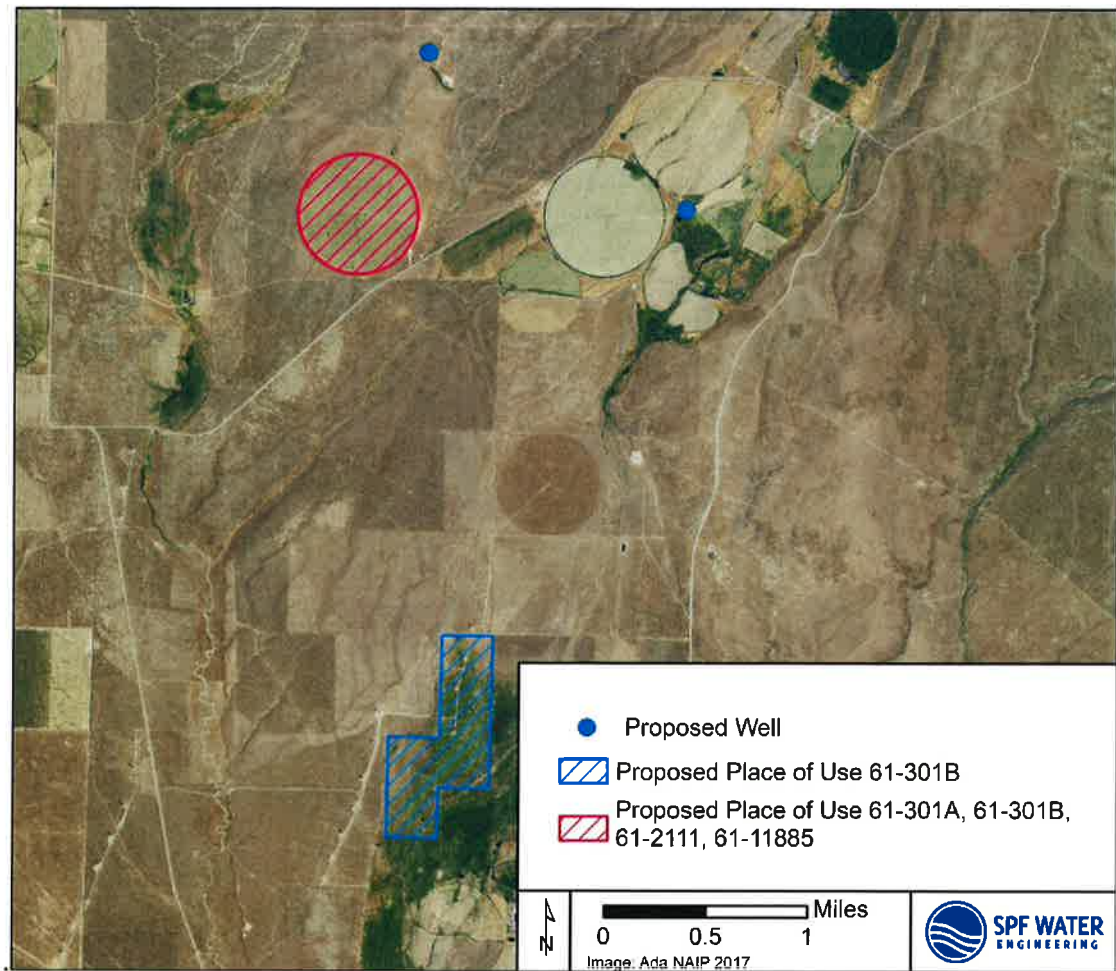


Figure 2. Water rights after Proposed Changes.

ELEMENTS			BEFORE				AFTER			
Water Right No.	Priority Date	Source	Diversion Rate (cfs)	Combined Diversion Rate** (cfs)	Diversion Volume (ac-ft)	Place of Use (acres)	Diversion Rate (cfs)	Combined Diversion Rate** (cfs)	Diversion Volume (ac-ft)	Place of Use (acres)
61-301A (Part 1)	6/10/1955	Ground Water	5.38	4.92	984	246.6	3.51	4.92	642***	174
61-2111	7/5/1955	Cold Springs Creek	1.02		436.6	215.0	1.02		437***	
61-11885	7/5/1955	Cold Springs Creek	0.48				0.48		***	
61-301B (Part 1)	6/10/1955	Ground Water	1.02		433		0.26		110***	
61-301B (Part 2)	6/10/1955	Ground Water						0.76		
61-301A (Part 2)	See Above		See Above				1.87*	4.92	342*	85.5*
Total			7.90	4.92	1,853.6	461.6	7.90	4.92	1,361	420.5
* unchanged portion										
** combined use limit 61-301A, 332, 333, 334, 335, 336, 337, 338, 339, 340, 343, 2008, 2095A, 2095B, 2199, 2209A, 2209B, 10363, 11844, 11847, 11854, & 11887.										
*** combined use volume of 696 afa recommended for 174 irrigated acres.										

Table 2. Before and After Proposed Changes.

4. GEOTHERMAL AQUIFER SYSTEM AND WATER RIGHTS

4.1. Development History

The geothermal aquifer system that supplies water rights 61-301A and 61-301B was developed primarily in the 1950s by two wells: the Lee Well located near Bennett Creek and the Walker Well located between Ryegrass Creek and Cold Springs Creek. Both

wells flowed under artesian pressure. Due to the highly confined nature of the aquifer, flowing either well caused interference drawdown in the other well resulting in a water right dispute. The dispute was settled by a 1967 decree that authorized a first-priority right (61-300) of 125 miner's inches (2.5 cfs) at the Lee Well, a second-priority right (61-301) of 320 miner's inches (6.4 cfs) to the Walker Well, and a third-priority right (61-302) of 1000 miner's inches (20 cfs) to the Lee Well. The third priority right was conditioned such that it must be reduced to ensure a continued artesian flow from the Walker Well of 320 miner's inches. The decree also prohibited pumping of the wells without authorization of the other water right holder.

In 1976, the Two-Plus Well was drilled on the Cold Springs Ranch. The Two-Plus well is located at a lower elevation than the Walker Well. Use of the Two-Plus decreased the flow from the Walker well but increased the overall geothermal artesian supply to the Cold Springs Ranch. In a letter to IDWR dated October 15, 1996, the owner at that time W.H. McGrew noted "For twenty years, we have been using the 2+ well in lieu of the Walker hot well, which has essentially ceased to flow."

4.2. Aquifer Characteristics

Artesian flow testing of the aquifer has been tested at least three times, beginning with Anderson in 1964, then Castelin in 1978, and again by Castelin in 1993. Results of the testing are summarized in Castelin's May 1993 memo, which demonstrates that the geothermal aquifer is highly confined (calculated storage coefficient of 0.00006), with high local permeability (325,000 gpd/ft short-term transmissivity measured at the Two-Plus well) but limited aquifer extent (i.e., boundaries result in an apparent transmissivity of approximately 30,000 gpd/ft). The aquifer is capable of high short-term artesian flow rates, but rates decline with continued production.

The high temperature and low storage coefficient suggest that there is very limited hydraulic connection to overlying cold water aquifers.

4.3. SRBA

Water right 61-301 was decreed in the SRBA as 61-301A (Two-Plus Well) and 61-301B (Walker Well).

- The basis of the 61-301A recommendation is described in a March 28, 1997 memorandum prepared by Ron Howerton and Mel Schulte. Their investigations found (1) a 6.25 cfs flow rate from the Two Plus Well, (2) 5.38 cfs ditch capacity leading from the well to the place of use, and (3) an irrigated area of 246 acres. Based on these findings, water right 61-301A was recommended for a maximum diversion rate of 5.38 cfs, of which 4.92 cfs (246 acres x 0.02 cfs/ac) was allocated to irrigation and 0.46 cfs was allocated to ditch loss.
- The basis of the 61-301B recommendation of 1.02 cfs was the remaining diversion rate available to the Walker Well under original right 61-301 (i.e., 6.40

cfs) after subtracting the 5.38 cfs flow rate under 61-301A. The place of use, in combination with Cold Springs rights, was found to be 215 acres.

An error occurred on the decree for 61-301A. The error consists of a condition limiting total combined diversion under all water rights (Cold Springs Creek, springs, and cold groundwater) within the 1368-acre combined place of use to 4.92 cfs. Combined diversion rate should be 16.95 cfs (as listed under the other water rights with the 1368-acre place of use). The 4.92 cfs should be a field head gate limitation.

5. INJURY ANALYSIS

This transfer changes the place of use of several water rights to reflect water use as it has been occurring for the past twenty years. The proposed diversion and use of surface and ground water sources is not increased. In fact, the transfer consolidates the "Bull Pasture" area so that 41 fewer irrigated acres are proposed with a corresponding decreased total annual diversion volume. These changes more closely reflect the originally-developed irrigation system where the Walker geothermal well provided the main irrigation sources for the 215 acres in the "Bull Pasture" area. If they were even available, the Cold Springs Creek water rights with a 1955 priority date would have been curtailed early in the irrigation season. The proposed change of using the 2-Plus well, which diverts from the same geothermal aquifer system as the Walker Well, as the main source results in a nearly identical impact to the resources as when the Walker Well was used. Consolidating acres irrigated at Bull Pasture from 215 to 174 acres is not anticipated to cause injury to other water users.

The springs and Cold Springs Creek sources appurtenant to the 161 acres in Section 29 remain unchanged. Geothermal groundwater remains available to these lands at a reduced diversion rate.

6. CONCLUSIONS AND RECOMMENDATIONS

1. The transfer is structured to prevent enlargement and injury.
2. The 4.92 cfs combined use limitation on 61-301A should be corrected to 16.95 cfs through the transfer process.
3. The main pressurized irrigation system serves the Bull Pasture. This irrigation system receives Cold Springs Creek water from both the upper and lower Cold Springs Creek points of diversion. The transfer should be amended to include the lower Cold Spring Creek point of diversion.

4. 61-301A should be split as follows:
 - 61-301A(1): 3.51 cfs (i.e., $5.38 \text{ cfs} \times 161/246.6$) and 161 acres, with a maximum rate 3.48 cfs at the field headgate in combination with water rights 61-301B(1), 61-2111 and 61-11885.
 - 61-301A(2): 1.87 cfs (i.e., $5.38 \times 85.6/246.6$) and 85.6 acres, with a combined use limit of 16.95 cfs and 1368 acres in combination with 61-301B(2), 61-332, 333, 334, 335, 336, 337, 338, 339, 340, 343, 364, 2008, 11847, 11844, 2095A, 2199A, 2209A, 11887A, 11854, and 10363.
5. 61-301B should be split as follows
 - 61-301B(1) - 0.26 cfs and 13 acres (consolidated from 54 acres), with a maximum rate 3.48 cfs at the field headgate in combination with water rights 61-301A(1), 61-2111 and 61-11885.
 - 61-301B(2) - 0.76 cfs (i.e., $1.02 \text{ cfs} \times 161/215$) and 161 acres, with a combined use limit of 16.95 cfs and 1368 acres in combination with 61-301A(2), 61-332, 333, 334, 335, 336, 337, 338, 339, 340, 343, 364, 2008, 11847, 11844, 2095A, 2199A, 2209A, 11887A, 11854, and 10363.
6. The transfer should be conditioned to limit the field headgate delivery rate from both geothermal wells to 5.94 cfs. The remaining 0.46 cfs of water under water right 61-301A should be identified as conveyance loss.
7. At any time that irrigation is occurring on the Bull Pasture pivot, geothermal water must be pumped into the combined pressurized system at a rate of not less than the Bull Pasture pivot flow rate minus contribution of inflow of the Cold Springs Creek water rights 61-2111 and 61-11885 (when in priority). Given that the Cold Springs Creek water right no. 61-2111 and 61-11885 are junior in priority, the geothermal wells will need to be operated at most times that irrigation is occurring at the Bull Pasture.
8. A future transfer is recommended to create a permissible place of use for all water rights delivered through the irrigation system.

7. REFERENCES

Castelin, Paul, 1993 (1). Memorandum to Lee-Walker-Hall File. Results of field visit March 23, 1993. March 24, 1993.

Castelin, Paul, 1993 (2). Memorandum to Lori Graves. Two-Plus Aquifer Test Results. May 27, 1993.

Castelin, Paul, 1978. Open File Report, Results of Walker – Lee – Two-Plus Well Test, Elmore County, Idaho. Idaho Department of Water Resources. April 1978.

APPENDIX A

Casa Del Norte Cold Springs Creek Farm Water Rights																												
Xfer Rights	61-332	61-333	61-334	61-335	61-336	61-337	61-338	61-339	61-340	61-343	61-364	61-2008	61-11847	61-11844	61-2095A	61-2199A	61-2209A	61-11887A	61-11854	61-301A	61-10363	61-301B	61-2111	61-11885				
Priority Rank							2																					
Enlargement Rt	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	y	n	n	n	n	n	n	n				
cfs	2.72	0.54	0.5	0.48	0.8	2.4	1.84	1.5	0.5	0.6	0.12	6.96	0.6	0.54	3.05	5.88	0.41	2.36	0.42	5.38	3.25	1.02	1.02	0.48				
Div. Vol.													120		1260					984		433	436.6					
Acre Limit (if less than POU acres)	-	-	-	-	-	-	-	-	-	-	-	247.3			315			206.9	-		-							
POU Acres	847.3												30.6	50.6	800.9					161	246.6		215					
combined use limits	1368 acres																	1371 ac limit (used for xfer)		4.92 cfs limit Error?								
	16.95 cfs limit																											
	847.3 acres														4.92 cfs (includes BLM rights listed below)													
																			3.22 cfs (lists whole rts, not splits) Error?									
																				246 ac limit Error?								
															401 acres													
															800.9 acres, 9.34 cfs, 3203.6 af limits													
															598 acres, 2392 af limits													
															1.02 cfs (lists whole rights not splits) Error?													
																						215 acres limit (used for xfer)						
common POU	"61-332 Group"														"61-2095A Group"					"61-301A Group"		"61-301B Group"						
Duty (cfs/acre)	0.022												0.020	0.011	0.012					0.003	0.020	0.013	0.012					
Duty (cfs/acre)																							0.005	0.005	0.002			
Duty (gpm/acre)																												
Duty (af/acre)															5.2													
															4.0													
source	Cold Sp. Creek & Spring	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	Cold Sp. Creek	GW	Unnamed Stream	GW	GW	GW	GW	Springs	GW	Springs	GW	Cold Sp. Creek	Cold Sp. Creek				
diversion name													House Well		Upper Bench (West); Trout Pond (East)	Upper Bench (West); Trout Pond (East)	Upper Bench (West); Trout Pond (East)	Upper Bench (West); Trout Pond (East)		2-Plus Well aka Big Hot Well		Walker Well aka Little Hot Well						
gw hot/cold													Cold		Cold	Cold	Cold	Cold		Hot		Hot						
priority	5/18/1875	5/1/1885	5/1/1886	5/1/1889	5/1/1895	12/1/1895	6/30/1870	5/1/1875	6/30/1887	6/30/1888	5/1/1887	2/26/1908	3/15/1957	2/15/1911	3/7/1953	7/19/1966	9/12/1966	3/15/1977	4/1/1910	6/10/1955	3/15/1870	6/10/1955	7/5/1955	7/5/1955				
season of use	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	2/15-11/15	3/15-11/15	2/15-11/15	3/15-11/15	4/1-11/1	4/1-11/1	3/15-11/15	2/15-11/15	4/1-11/1	2/15-11/15	4/1-11/1	2/15-11/15	2/15-11/15				
nature of use																												
BLM Rights															61-2095B	61-2199B	61-2209B	61-11887B										
cfs															0.06	0.12	0.01	0.05										
div. vol.															24													
acres															6	16	16	16										
combined acres															12 acres, 48 af limits													
															16 acres, 0.19 cfs limits													
source															GW	GW	GW	GW										
priority															3/7/1953	7/19/1966	9/12/1966	3/15/1977										



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Attorneys for Applicant Casa Del Norte, LP

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

IN THE MATTER OF APPLICATION FOR
TRANSFER NO. 81800 IN THE NAME OF
CASA DEL NORTE, LP

NOTICE OF SERVICE OF
APPLICANT CASA DEL NORTE,
LP'S EXPERT WITNESS REPORT

COMES NOW Casa Del Norte, LP, by and through its counsel of record, Norman M. Semanko of Parsons Behle & Latimer and, pursuant to the Department's Rules of Procedure and the *Notice of Hearing, Order Authorizing Discovery and Disclosure and Scheduling Order* dated May 15, 2018, hereby gives notice that on the 4th day of September, 2018, *Applicant Casa Del Norte LP's Expert Witness Report* was served via U.S. Mail and electronic mail to the following:

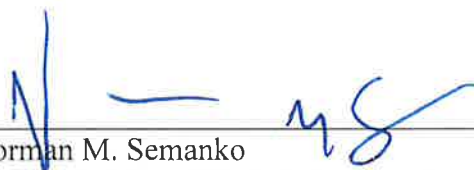
Charles L. Honsinger
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P.O. Box 517
Boise, ID 83701
honsingerlaw@gmail.com

Fredric W. Price
Idaho State Office
Bureau of Land Management
1387 South Vinnell Way

Boise, ID 83709-1657
fwprice@blm.gov

DATED this 4th day of September, 2018.

PARSONS BEHLE & LATIMER

By 
Norman M. Semanko
Attorneys for Applicant Casa Del Norte, LP

CERTIFICATE OF SERVICE

I hereby certify that on this 4th day of September, 2018, I served a true and correct copy of the foregoing document on the parties listed below by their designated method of service.

Charles L. Honsinger
HONSINGER LAW, PLLC
P.O. Box 517
Boise, ID 83701
honsingerlaw@gmail.com

- ☒ U.S. First Class Mail, Postage Prepaid
- ☐ U.S. Certified Mail, Postage Prepaid
- ☐ Federal Express
- ☐ Hand Delivery
- ☒ Electronic Mail or CM/ECF

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- ☒ U.S. First Class Mail, Postage Prepaid
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- ☐ Federal Express
- ☐ Hand Delivery
- ☒ Electronic Mail or CM/ECF



NORMAN M. SEMANKO

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Attorneys for Protestant Double Anchor Ranches, Inc.

BEFORE THE DEPARTMENT OF WATER RESOURCES OF
THE STATE OF IDAHO

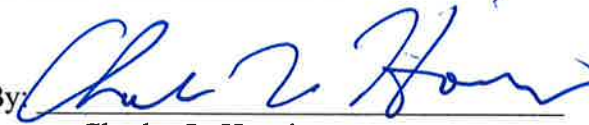
_____	)	
IN THE MATTER OF APPLICATION FOR	)	NOTICE OF SERVICE OF
TRANSFER NO. 81800 IN THE NAME OF	)	PROTESTANT'S EXPERT REPORT
CASA DEL NORTE, LP	)	
_____	)	

COMES NOW Double Anchor Ranches, Inc., by and through its counsel of record,
Charles L. Honsinger, and, pursuant to the Idaho Rules of Civil Procedure, hereby gives notice
that on the 4th day of September, 2018, Protestant's Expert Report was served via facsimile to the
following:

Norman M. Semanko
Parsons Behle & Latimer
800 W. Main St., Suite 1300
Boise, ID 83702
Fax: (208) 562-4901

DATED this 4th day of September, 2018.

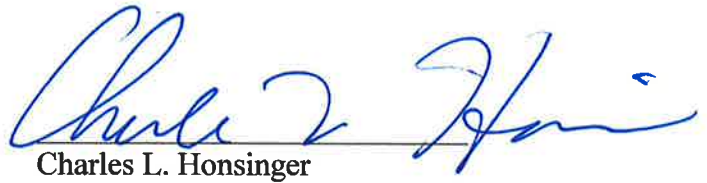
HONSINGER LAW, PLLC

By: 
Charles L. Honsinger
Attorneys for Protestant

CERTIFICATE OF SERVICE

The undersigned does hereby certify that on the 4th day of September, 2018, he caused a true and correct copy of the within and foregoing document to be transmitted by facsimile to the following:

Norman M. Semanko
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Charles L. Honsinger



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WATER RESOURCES

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Attorneys for Applicant Casa Del Norte, LP

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

IN THE MATTER OF APPLICATION FOR
TRANSFER NO. 81800 IN THE NAME OF
CASA DEL NORTE, LP

NOTICE OF SERVICE OF RESPONSE
TO PROTESTANT'S SECOND SET
OF DISCOVERY TO APPLICANT
CASA DEL NORTE, LP

COMES NOW Casa Del Norte, LP, by and through its counsel of record, Norman M. Semanko of Parsons Behle & Latimer and, pursuant to the Department's Rules of Procedure, hereby gives notice that on the 4th day of September, 2018, *Applicant's Response to Protestant's Second Set of Discovery to Applicant Casa Del Norte, LP* was served via U.S. Mail and electronic mail to the following:

Charles L. Honsinger
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Fredric W. Price
Idaho State Office
Bureau of Land Management
1387 South Vinnell Way
Boise, ID 83709-1657
fwprice@blm.gov

DATED this 4th day of September, 2018.

PARSONS BEHLE & LATIMER

By 
Norman M. Semanko
Attorneys for Applicant Casa Del Norte, LP

CERTIFICATE OF SERVICE

I hereby certify that on this 4th day of September, 2018, I served a true and correct copy of the foregoing document on the parties listed below by their designated method of service.

Charles L. Honsinger
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- ☒ U.S. First Class Mail, Postage Prepaid
- ☐ U.S. Certified Mail, Postage Prepaid
- ☐ Federal Express
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WATER RESOURCES

Attorneys for Protestant Double Anchor Ranches, Inc.

BEFORE THE DEPARTMENT OF WATER RESOURCES OF
THE STATE OF IDAHO

_____)
IN THE MATTER OF APPLICATION FOR) PROTESTANTS' EXPERT REPORT
TRANSFER NO. 81800 IN THE NAME OF)
CASA DEL NORTE, LP)
_____)

COMES NOW Double Anchor Ranches, Inc., by and through its counsel of record,
Charles L. Honsinger, and, pursuant to the Idaho Rules of Civil Procedure, hereby provide to the
parties hereto their Expert Report in this matter attached hereto.

DATED this 4th day of September, 2018.

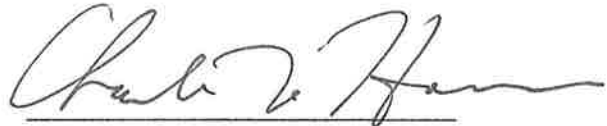
HONSINGER LAW, PLLC

By: Charles L. Honsinger
Charles L. Honsinger
Attorneys for Protestant

CERTIFICATE OF SERVICE

The undersigned does hereby certify that on the 4th day of September, 2018, he caused a true and correct copy of the within and foregoing document to be transmitted by facsimile to the following:

Norman M. Semanko
Parsons Behle & Latimer
800 W. Main St., Suite 1300
Boise, ID 83702
Fax: (208) 562-4901

A handwritten signature in cursive script, appearing to read "Charles L. Honsinger", written over a horizontal line.

Charles L. Honsinger

Technical Memorandum



To: Charles L. Honsinger/ Honsinger Law, LLC/ Boise, ID

Date: September 4, 2018

From: Ed Squires/ Hydro Logic, Inc., Boise, ID

Subject: Expert Report of Ed Squires in the Matter of Double Anchor Ranches Versus Casa Del Norte Water Rights Transfer No. 81800

1) SUMMARY:

- a. It is my expert professional opinion that approval of proposed Transfer No. 81800 by the Idaho Department of Water Resources will result in injury to Double Anchor Ranches' senior-priority Cold Springs Creek water rights because any additional export of surface waters of Cold Springs Creek to the adjacent Ryegrass Creek drainage will shorten the length of time irrigation water is available to Double Anchor Ranches due to lessening of potentiometric head and stream bank storage relied upon by Double Anchor Ranches for later season stream and spring flows.
- b. Stream flow monitoring by my company Hydro Logic, Inc. is not in agreement with measurements of diversions reported in the Water Master's Report because upstream diversions appear to be being changed dramatically in between Water Master site visits when the diversions are supposed to be locked out.
- c. Current monitoring is not adequate to understand previously approved CDN diversions much less the future additional diversions proposed under Transfer No. 81800.
- d. I recommend IDWR deny Transfer No. 81800.
- e. In the event IDWR determines approval of Transfer No. 81800 is appropriate, any such approval must be conditioned to prevent injury to downstream users.

2) PREVIOUS HYDROLOGICAL WORK FOR DOUBLE ANCHOR RANCHES BY HYDRO LOGIC, INC.:

a. Ed Squires Site Visits:

i. Casa Del Norte (CDN) Site Visits

1. 7-22-2013 -Site tour of CDN water diversions and distribution system.
2. 10-14-2013 - Site visit and reconnaissance of Cold Springs Creek (CSC) above, below, and through CDN.
3. 3-13-2014 - Site visit to CDN main diversion, Four Mile Ditch (FMD), Beaver Dam, “bubbler” debris trap, Elk Pen diversion and ditch, Walker Geothermal well and cooling reservoir, Ross Road, “Pivot Four Reservoir, and Ryegrass Pivot.
4. 2-4-2015 – Site visit to inspect diversion of Rock House Springs to FMD/Ryegrass Creek drainage and the downstream failure (“blow-out”) of the FMD from high flows through ditch.

ii. Double Anchor Ranches (DAR) Site Visits:

1. 4-29-2014 – Site visit to site and design CSC monitoring locations.
2. 12-18-2014 – Site visit to site DAR weir and inspect existing CDN and DAR diversion structures.
3. 2-7-2015 – Site visit to observe free-flowing CSC all the way from mountain front through DAR and beyond.
4. 9-30-2017 – Site visit on locations of contention and monitoring locations.

iii. Other Site Visits:

1. 4-30-2015 site visit with Water Master and DAR attorney to discuss administration of water and diversion anomalies to ensure proper delivery.
2. Attended several of the weekly-to-monthly monitoring loops of the four stream monitoring locations by HLI staff during the period April 29, 2014 –to-September 20, 2017.

b. Cold Springs Creek Monitoring Network

- i. To better understand the stream dynamics and hydrology of Cold Springs Creek, and in an attempt to monitor the effects to stream flows from upstream diversions, HLI designed and commenced a stream monitoring network consisting of four locations accessible by, and on, public lands. HLI had no access to CSC on CDN lands so HLI was limited to locations it could monitor on public (BLM) lands riparian to CSC just above and below CDN's main diversion allowing HLI to assess and quantify the stream diversions by CDN.
- ii. HLI's stream flow monitoring consisted of dividing the CSC flow at set (staked) locations into a grid from which we determined stream depth (thickness) and stream velocity by timing floating corks across the grid over a set distance; a standard means of estimating stream flow. These approximately weekly-to-monthly "hand-measured" flow-rates were calibrated to stream depth (as measured continuously by digital water-level instruments placed in the stream) at precise locations to derive continuous flow measurements at the three open channel locations and a concrete 120-degree, V-notch weir was constructed at DAR equipped with staff gage and data-logger stilling well for accurate continuous flow rates at that location (DAR Upper Diversion) as shown on Figures 1 and 2.
 1. "Upper Creek" Station: Cold Springs Creek at BLM/CDN Fence Line. Approximately 1-mile above the CDN Main Diversion, on BLM ground (leased by DAR), HLI has a staked location for flow-measurement and a designated fixed measuring point for stream depth calibration. This station, referred to herein as "Upper Creek" is essentially at the mouth of CSC where it exits the mountain front canyon onto the valley floor (Figure 1 and 2).
 2. "Section 34" Station: On Cold Springs Creek in the extreme SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$ Section 34 approximately $\frac{3}{4}$ -mile below CDN Upper Diversion.
 3. "Ross Road" Culvert Station: At the Ross Road crossing of Cold Springs Creek, downstream side of culvert approximately 1 $\frac{1}{2}$ -miles downstream of the Section 34 monitoring station.

4. "DAR Upper Diversion /Weir". On Cold Springs Creek approximately 1 $\frac{3}{4}$ -miles downstream of the Ross Road Station.

c. Water Rights:

- i. Review of CSC-area surface and ground water rights as listed on Table 1.
- ii. **Expert witness at previous CDN/DAR administrative proceedings** and other expert witness experience (see attached Curriculum Vitae of Ed Squires).
- iii. Plotting / analysis of CSC monitoring data such as in Figures 3 - 6.

d. Well Driller's Reports:

- i. All available Well Driller's Reports for CSC-area Low Temperature Geothermal (geothermal) and cold-water wells were downloaded from the IDWR on-line data base and reviewed.

e. Previous Scientific Reports and Research for Area.

- i. Geophysical Investigations and Structural Framework of Geothermal Systems in West and Southcentral Idaho; Camas Prairie to Mountain Home, 2017, Jonathan M.G. Glen, Lee Liberty, Erika Gasperikova, Drew Siler, John Shervais, Brent Ritzinger, Noah Athens, Tait Earney, U.S. Geological Survey, 345 Middlefield Rd., Menlo Park, CA 94025
- ii. Snake River Plain Play Fairway Analysis – Phase 1 Report, 2015, John W. Shervais¹, Jonathan M. Glen², Lee M. Liberty³, Patrick Dobson⁴, Erika Gasperikova⁴, Eric Sonnenthal⁴, Charles Visser⁵, Dennis Nielson⁶, Sabodh Garg⁷, James P. Evans¹, Drew Siler⁴, Jacob DeAngelo², Noah Athens⁸, and Erick Burns⁸, ¹Department of Geology, Utah State University, Logan UT ²US Geological Survey, Menlo Park CA, ³Center for Geophysical Investigation of the Shallow Subsurface, Boise State University, Boise ID, ⁴Lawrence Berkeley National Laboratory, Berkeley CA, ⁵National Renewable Energy Laboratory, Golden CO, ⁶DOSECC Exploration Services, LLC., Salt Lake City UT, ⁷Leidos, Inc., San Diego CA • ⁸US Geological Survey, Portland OR.

3) SCOPE OF WORK RELATIVE TO TRANSFER NO. 81800:

- a. I was asked to analyze the CDN Application for Transfer No. 81800 in light of my previous data gathering and hydrologic investigations on CSC.

- b. Specifically, I was to focus on any aspects of the Transfer that I felt could cause injury to DAR's water rights (Table 1).

4) CONCLUSIONS DRAWN FROM PREVIOUS SITE VISITS:

- a. To my knowledge, and other than its uppermost surface water diversion, CDN has no monitoring equipment for surface and/or ground water diversions.
- b. A submerged orifice flow-meter installed near the CDN Pivot 4 pond had not been working on three site visits and has not been reported in the Water Master's journal.
- c. CDN has no measurement device at its uppermost pipe diversion from CSC.
- d. Only small amounts of water flow are needed to provide out-of-drainage diversions to fulfill CDN stock water rights from CSC into the FMD and, also, the Elk Pen Ditch because seepage losses are minimal.

5) CONCLUSIONS DRAWN FROM PREVIOUS MONITORING WORK:

- a. When no water is being diverted from CSC, all four of HLI's monitoring stations show correlative stream flows that reflect natural events such as precipitation and temperature changes superimposed on a diurnal cyclic streamflow fluctuation caused by photosynthesis-driven water uptake in the forested headwaters (Figure 3).
- b. When no water is being diverted from CSC, it can be observed that stream flows at any point on the stream mimic each other and rise and fall in sync (Figure).
- c. When no water is being diverted from CSC (or if diversions from the stream are held constant), it can be observed that natural changes, such a rainfall event or higher-temperature snow melt event, effect all four monitoring points and very quickly with minor, but predictable lag time of no more than a few hours (Figures 3-5).
- d. Similarly, CDN diversions from the CSC are quickly observable and predictable at the downstream monitoring stations (Figures 3-5).
- e. Natural water losses from the stream bed across the 1.9-mile reach of CSC between CDN's main diversion and HLI's Section 34 monitoring location

is estimated to be in the range of 1-to- 3cubic feet per second (cfs) (Figures 3-5)

- f. All diversions are supposed to be locked out and changes made only by the Water Master but large increases (to ~12 cfs) and decreases (to ~7.5 cfs) in flow are apparent in the HLI monitoring data when the Water Master is not on site (Figures 3 and 4).
- g. When upstream (above Section 34 monitor station) diversions from CSC are reduced, apparently between Water Master visits, the additional water in the stream is quickly apparent at Section 34 and Ross Road but not at the DAR Weir (when the entire remaining stream flow is being diverted to DAR). One potential cause of this non-expected result could be that stream flows above DAR are being controlled and or modulated by/in CDN's on stream reservoirs (Figures 3-5).

6) ED SQUIRES CONCERNS ABOUT TRANSFER NO. 81800:

- a. Certain parts of the transfer are incorrect or incomplete.
 - i. The description of the water distribution system is not detailed as the application calls for it to be. To that extent, it is not possible to understand how the waters from different sources will be delivered and or comingled under the proposed transfer.
 - ii. The map key is incorrectly labeled and does not match written transfer form
- b. Several tenets of the Transfer seem implausible
 - i. The geothermal rights are early-priority and early season but the cold CSC water is 1955-priority with a later season of use. The CSC surface water pertinent to this transfer is adequate for irrigation of only 37 acres of the proposed 161 acres. Therefore the existing pivot field could not be irrigated until the 1955-priority CSC water is in priority because the geothermal water, by itself, would be too hot to irrigate directly without cooling and blending with cold CSC surface water.
 - ii. The pond associated with the Walker geothermal well is too small a volume and too small a surface area to facilitate cooling of large amounts of irrigation water without surface water blending.
 - iii. How does Walker Well water get to the proposed place of use so far away w/drainage and what about evaporation and transpiration?

- iv. Given the very low likelihood that CDN's 1955-priority CSC water rights would be in priority on this stream (only after CSC ceases to flow at the DAR weir in early-to-mid summer), it does not seem plausible to plant such a large area without assurance of a late-season water supply to finish the crop.
 - v. Water has a high specific heat capacity which is to say it does not change temperature readily. Therefore cooling in a pond, such as the small volume Walker Well pond would not be effective for a continuous flow of 1,692 gallons per minute (gpm) flow of 140 degree F geothermal water. Even blending of the 673 gpm of ~45-degree CSC water to the 1,692 gpm of 140 degree geothermal ground water would result in ~113-degree F water which is marginal, and often harmful for irrigation of most crops (such as alfalfa).
 - vi. For many years now, CDN has irrigated the Ryegrass Pivot from its main ground water well under a leased ground water right from the State Water Supply Bank. This temporary use would not have resulted in transfer of CSC surface water out of the CSC drainage basin and into the Ryegrass Creek drainage basin where the proposed Ryegrass Pivot irrigation use is.
 - vii. Another concern is that, due to the close proximity of the CDN "Main" well, adjacent to the CDN "Main" reservoir, CSC water may have a direct communication with the unsealed annular space between the drilled borehole and the well casing with the result that the well pump would essentially be pumping CSC surface water.
- c. The Current Cold Springs Creek Defacto Administrative "Futile Call" Would Be Perpetuated and Exacerbated by Approval of this Transfer:
- i. Cold Springs Creek is an intermittent stream that generally "breaks" with dry reaches in June depending on snow-pack. On plentiful snow-pack years, CSC runs from its head waters on Bennett Mountain to the Snake River. On dry years, the creek is perennial where it exits the mountain front canyon at the CDN Upper Diversion but, depending on CDN diversions, the stream dries up in the reach from just below the CDN diversion to below the Ross Road crossing. However, depending on CDN diversions, the stream returns to the surface just above the DAR weir and diversion before it eventually goes completely dry in July.

- ii. HLI stream flow monitoring has shown that even when the creek goes beneath the stream bed at Ross Road, water continues to flow within the gravels of the stream channel just beneath land surface, often re-emerging after a dry spell (and even daily such as in late May of 2015 – Figure 6) in response to cooler ambient temperatures or a precipitation event (Figure 3).
 - iii. The first appearance of a dry stream bed at-or-above Ross Road is not a useful indication of a “futile call situation” that would then allow CDN to increase its diversions in the upper creek. Such a defacto “futile” call damages DAR who rely on the early and late subsurface stream flow to fill the thin gravel floodplain of CSC that provides the length of irrigation season necessary to viably grow crops and pasture grass.
 - iv. When early, out-of-season, diversions occur, the gravel floodplain aquifer that sustains CSC is slower to saturate and fill (and may not fill at all on dry years) thus shortening the irrigation season for DAR and other downstream users. When, after a defacto futile call is declared at the first recession of the CSC from any reach of its bed, upper creek diversions are increased, this quickens the cessation of CSC flows and DAR springs above DAR and shortens its irrigation season further. Early season flows in CSC are even more important due to the “stage” or “head” within the stream banks because the early and generally higher flows provide the “head” or driving force behind recharge through the stream bed and into bank storage that provided later-year stream and spring flows that DAR relies upon for its livelihood. In other words, even partial removal of CSC water to the Ryegrass Creek drainage impacts and injures DAR.
 - v. It is certain that the CSC “futile call” should not be based on the initial occurrence of a dry reach of the stream bed.
 - vi. When a reach of the CSC “dries up” an increase in stream flow upstream (reduction in diversions) would quickly restore the stream flow in the dry reach thus precluding a futile call situation. Even when further increases cannot bring surficial flows back in a given reach, increasing stream flows up stream would increase streamflow below the dry reach.
- d. Potential for Injury to DAR water rights
- i. The transfer could divert more water out of CSC drainage in the early season (when the 1955-priority surface water rights could be in

priority before calls for water by downstream users) when in-stream flows result in wetting and saturation of the CSC bed and bank storage that provides water to DAR later in the year. This would cause the “futile call” situation to occur earlier and extend longer. CDN has just last year obtained a “recharge” water right that diverts this early season recharge out of the CSC stream bed and a large quantity year-round stock water right allows CDN to divert CSC water out of its drainage basin and into the Ryegrass Creek basin, also removing CSC water from recharge to the CSC floodplain gravels that source the stream flows later in the year. Approval of Transfer No. 81800 would remove more in-stream flows and, especially, the potentiometric head that drives water into the stream bed as bank storage and cause further injury to DAR’s senior-priority water rights.

- ii. CDN has previously been able to irrigate the “Ryegrass Pivot area” using leased ground water rights pumped from a CDN well located adjacent to a large surface water reservoir and the hub of CDN’s water distribution network. Almost nothing is known about the hydraulic characteristics of this well that is currently able to pump directly into a water main to the CDN water distribution system (including a direct pipeline to the Ryegrass Pivot) and to the adjacent surface reservoir. Because there is no available information on the capacity of CDN’s ground water irrigation well, it is not known whether it is capable of supplying the quantity of water sufficient to irrigate the Ryegrass Pivot. It is also not currently possible to separate and track the comingled sources of CSC and the well ground water to ensure that the Ryegrass Pivot is irrigated with the leased ground water rather than CSC water. Indeed, HLI measured the temperature of the Ryegrass Pivot irrigation water during the irrigation season to find the water was the same temperature as the CSC water measured earlier that same day above CDN’s upper diversion; an indication that the Ryegrass Pivot was being irrigated with straight CSC surface water (deep ground water is warmer than surface water). When DAR complained about the potential use of CSC water in the Ryegrass drainage, IDWR instructed CDN to ensure that its well pump was “running” whenever Ryegrass Pivot was operating with CSC water. However, such a operational procedure does not mean that the CDN ground water well was producing a molecule for molecule substitution. For example, simply requiring that the well pump be running assumes the well is capable of the necessary Ryegrass Pivot diversion and was being pumped at that rate in the absence of the ability to measure and

verify. Under the proposed Transfer, this currently unacceptable condition could presumably carry over into the new points of diversion (wells) if the wells are not rigorously monitored and regulated. Continuous water level recording measurements would ensure surface water is not being introduced down the proposed wells from the adjacent surface water reservoirs during pumping and non-pumping conditions. Temperature and water chemistry measurements would ensure that the sufficient quantity of ground water was being used to satisfy the conditions of the water.

7) CONCLUSIONS RELATIVE TO TRANSFER NO. 81800:

- a. In my opinion, Transfer No. 81800 should be denied to prevent injury to DAR.
- b. CDN has just last year obtained approval for a large, early, out-of-irrigation season diversion from CSC for “recharge” purposes on the CDN lands. The effects of this diversion are not yet known but are expected to impact DAR and other downstream users because it removes water from the CSC stream bed that would wet and fill not only the stream bed itself but the shallow floodplain gravel (bank storage) which feeds downstream CSC flows at DAR later in the year.
- c. Transfer approval will likely result in additional out-of-drainage diversion of water that DAR depends upon to recharge and fill its limited aquifer during periods when the CSC is, and is not, flowing to DAR’s diversion.
- d. Under the proposed transfer, CDN cannot start a crop on geothermal ground water alone. Therefore it is risky to rely on 1955-priority later-in-season CSC water rights that will mostly not be in priority to irrigate the large Ryegrass pivot area.
- e. The water master has no means of monitoring CDN’s diversions from CSC at the point where it diverts the water from the stream.
- f. The current CDN water diversion and distribution system is complicated with no monitoring capability beyond the upper CSC diversion such that it is not currently possible, without dedicated flow-meters and water-level instruments to understand how the water is being distributed and which source goes to what use (including the future proposed diversions under this proposed transfer.

8) RECOMMENDATIONS TO PREVENT INJURY TO DAR FROM THE PROPOSED CDN TRANSFER NO. 81800:

- a. IDWR should deny the Transfer No 81800.
- b. Require, as a condition of any approval, the development of a scientifically-based futile call protocol for CSC acceptable to all parties and IDWR that is not administered immediately upon a dry reach appearing in CSC. A “lag” period is necessary to allow for the continuation of sub-surface flow in the stream bed and for the potential for later season precipitation to refill the stream that has not been prematurely emptied by an inappropriate and premature “futile call”.
- c. Require, as a condition of any approval of this transfer, the design and installation of a concrete streamflow weir or flume monitoring station at CDN’s upper diversion equipped with staff gage, stilling well, and digital recording devices because it is currently impossible to know stream flow rates and CDN diversions because the reported flows have not matched up with HLI’s CSC flow measurements.
- d. If FMD is intended to be a conveyance of water between CSC and Ryegrass Creek drainages under the proposed transfer, require, as a condition of any approval of this transfer, that new, early and late season flow and seepage tests of the FMD be conducted to determine seepage losses and equip the FMD with a weir or flume monitoring station to record all diversions.
- e. Require, as a condition of any approval of this transfer, that all ground water wells proposed as points of diversion under this transfer be tested for drawdown and sustainable capacity for a minimum constant-rate discharge period of 48-hours with the testing open to observation by DAR hydrogeologists using standard accepted practices.
- f. Require, as a condition of any approval of this transfer, that digitally-recording magnetic induction flow-meters and recording thermometers, on the ground water wells and the surface water flows where the CSC water is blended with the geothermal ground water under these rights to show the actual water-blending and not “molecule tracking” of the gross water diversions for CDN.
- g. Require, as a condition of any approval of this transfer, that ground water wells, sought as points of diversion under the Transfer must be equipped with digitally-recording, totalizing magnetic induction flow meters and digital water level pressure transducer data-logging instruments that are monitored and reported regularly by the Water Master.

- h. If CDN's "Main" irrigation well is to be used to supply water, in a gross water balance formula, to the out-of-basin Ryegrass Pivot under this transfer application, then require, as a condition of any approval of this transfer, that a digitally-recording magnetic induction flow-meter and recording thermometers, on the "Main" ground water well be installed to show the actual water-blending and not "molecule tracking" of the gross water diversions for CDN.
- i. Require, as a condition of any approval of this transfer, that a rigorous monitoring and reporting plan be developed to protect against injury to DAR.
- j. Prior to consideration of the Transfer application, an evaluation of total CDN water supply by source and water right versus lands irrigated should be required and presented to the IDWR and DAR.

Preliminary Map of HLI Flow Measurement Points on Cold Springs Creek
September 4, 2018

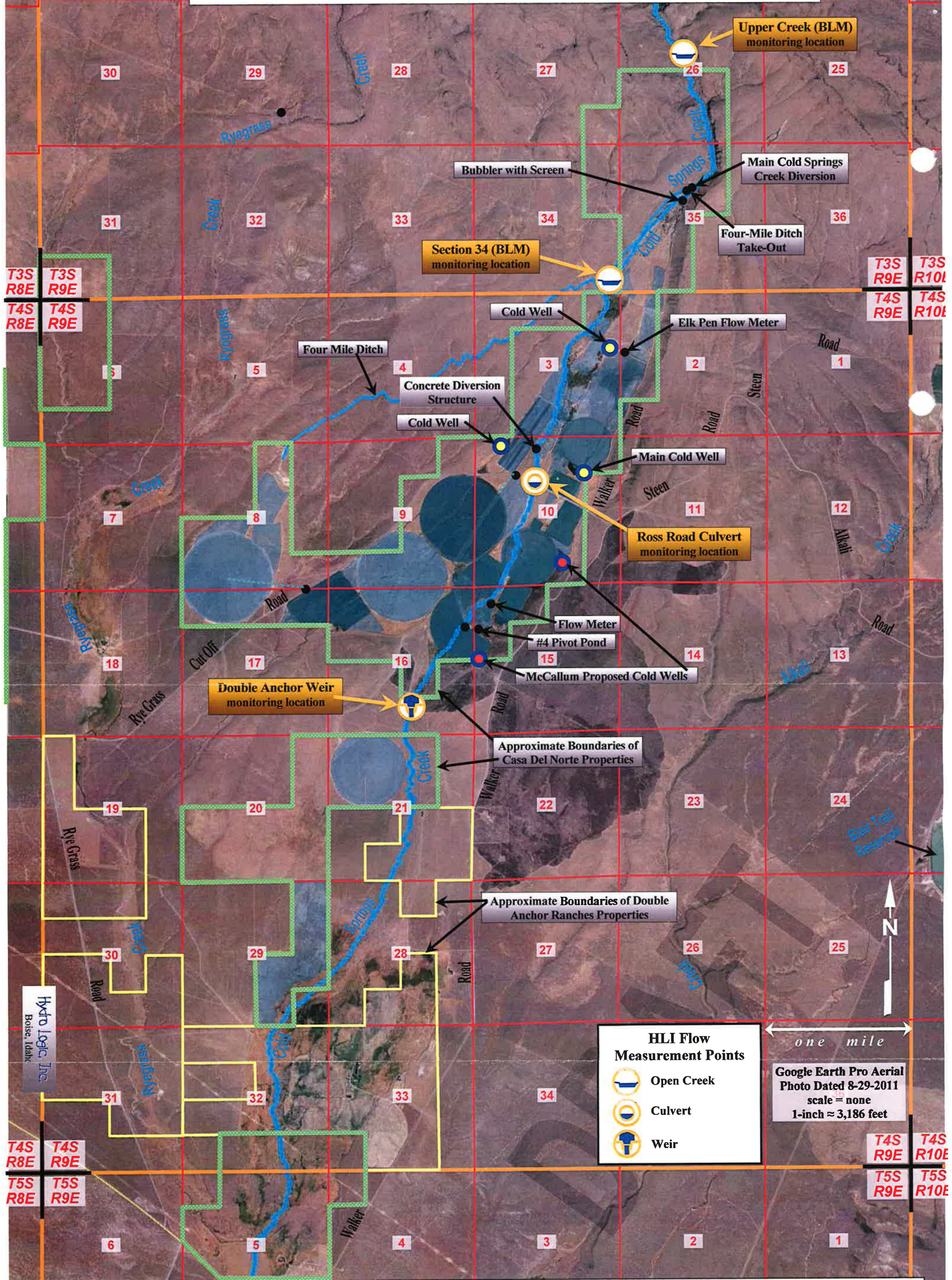


Figure 1.

Figure 1. Map showing the stream flow monitoring locations used by Hydro Logic, Inc. to monitor flows on Cold Springs Creek for Double Anchor Ranches (DAR). The locations are about the only points accessible by HLI because most of the Creek is on Casa Del Norte lands for which we have no permission to enter. The three open stream measurements locations also have no constructed measurement weirs or flumes. Instead, HLI estimates flow from stream depth, width, and velocity measurement. The available locations have worked well for determination of Cold Springs Creek flows and diversions therefrom thus enabling a continuously developing understanding of stream leakage, lag times, streamflow recession, and water rights futile call information.



03/04/2016 -- Upper Cold Springs Creek ~23 CFS



05/18/2016 -- Section 34 Cold Springs Creek ~3 CFS



03/04/2016 -- Ross Road culvert Cold Springs Creek ~11.5 CFS



03/04/2016 -- Rigg's Weir = 2.07 CFS

Figure 2.

Flow Rates of Col Springs Creek at the "Upper Creek", "Section 34 BLM", "Ross Road Culvert" Monitoring Stations, and at DAR Weir

Monitoring Data from 5/29/2017 through 6/23/2017

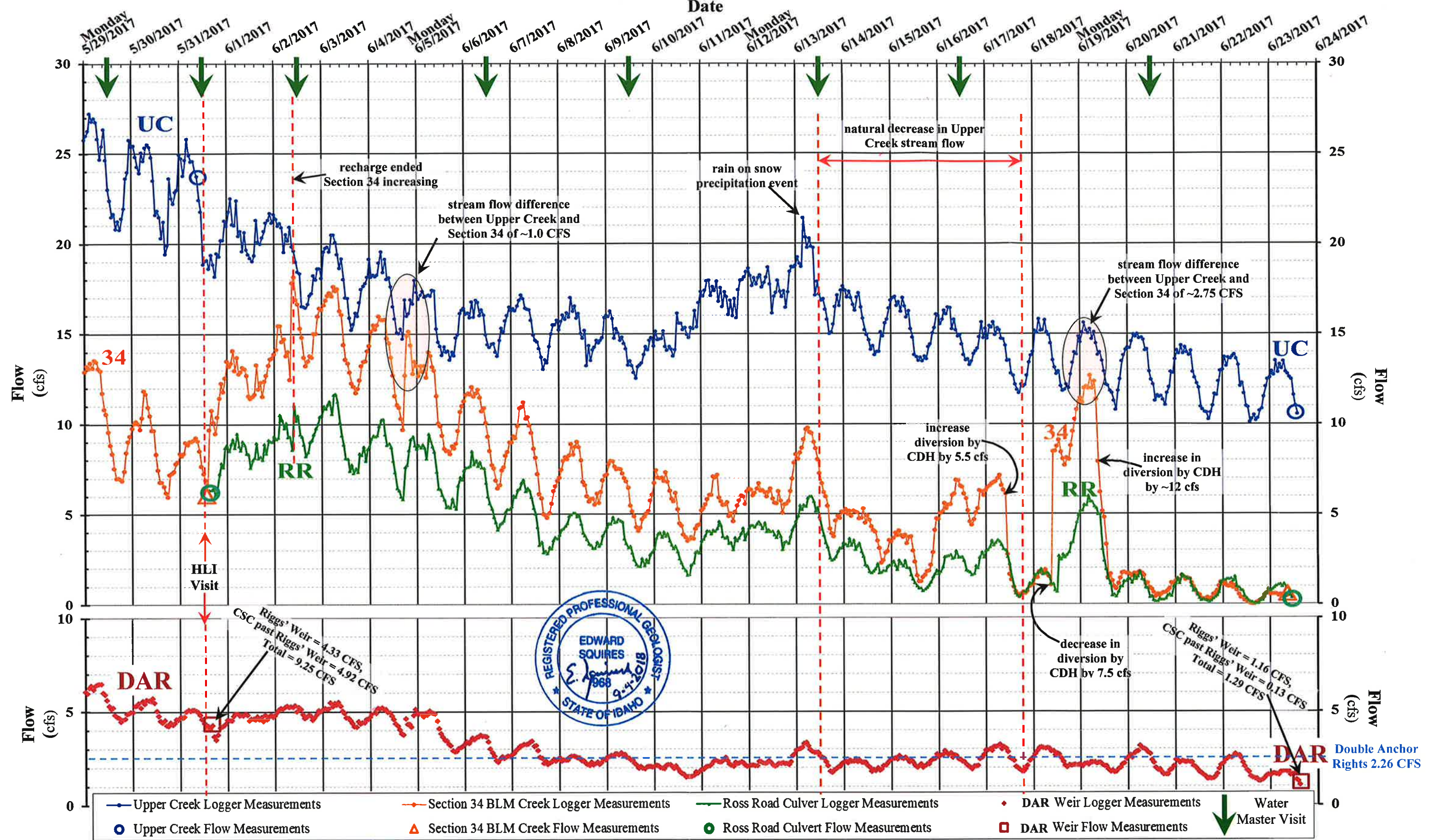


Figure 3.

Anomalies in Flow Rates of Cold Springs Creek at the "Upper Creek", "Section 34 BLM", "Ross Road Culvert" Monitoring Stations, and at F DAR Weir Monitoring Data from 3-8-2015 through 4-19-2015

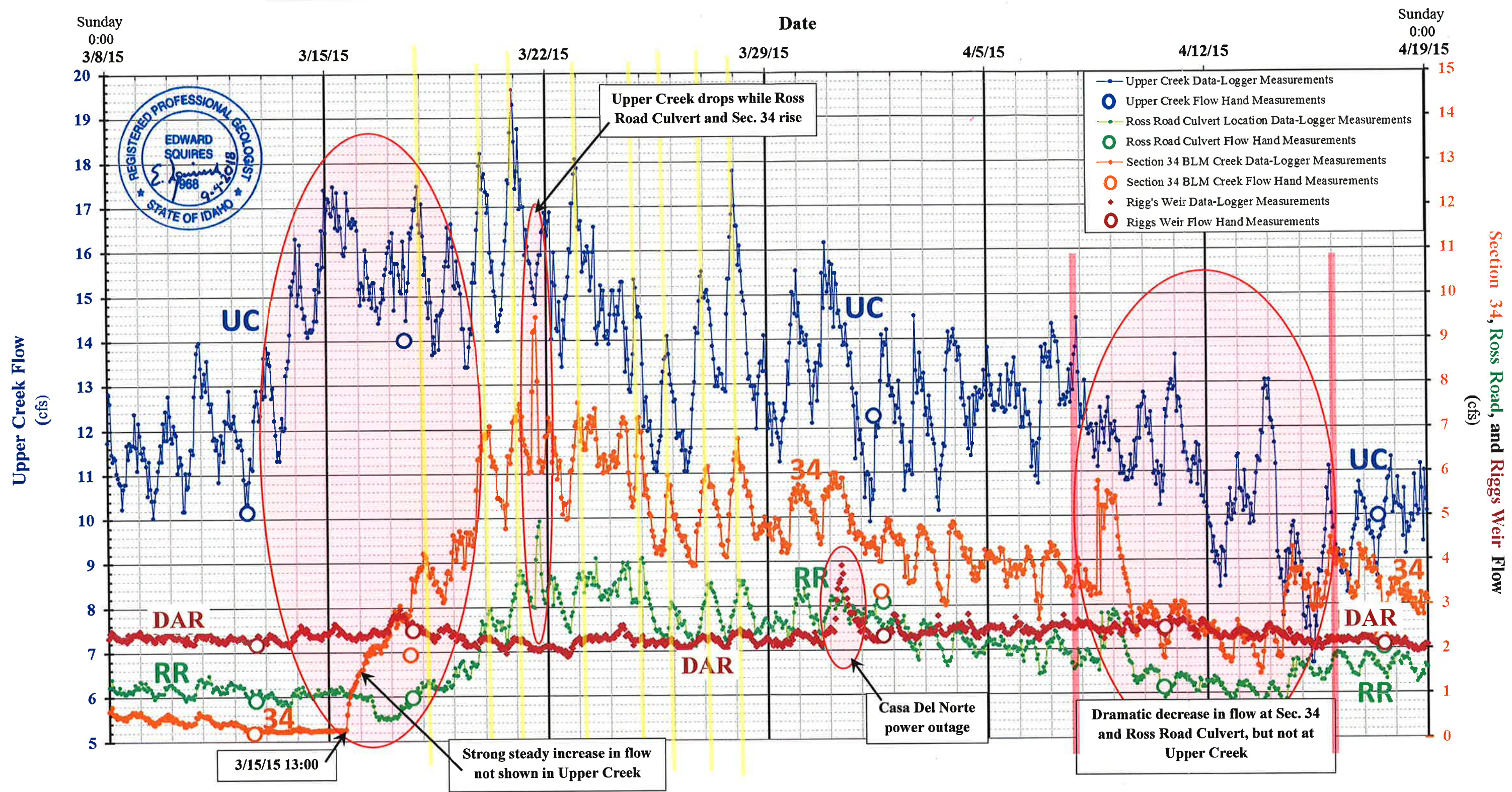


Figure 4.

HLI-Measured Water Depths and Calculated Flow Rates of Cold Springs Creek at the "Upper Creek", "Section 34 BLM", "Ross Road Culvert" Monitoring Stations, and at DAR Weir, with Camas Creek Divide Weather Station Data

Monitoring Data from 1-1-2015 through 4-17-2015

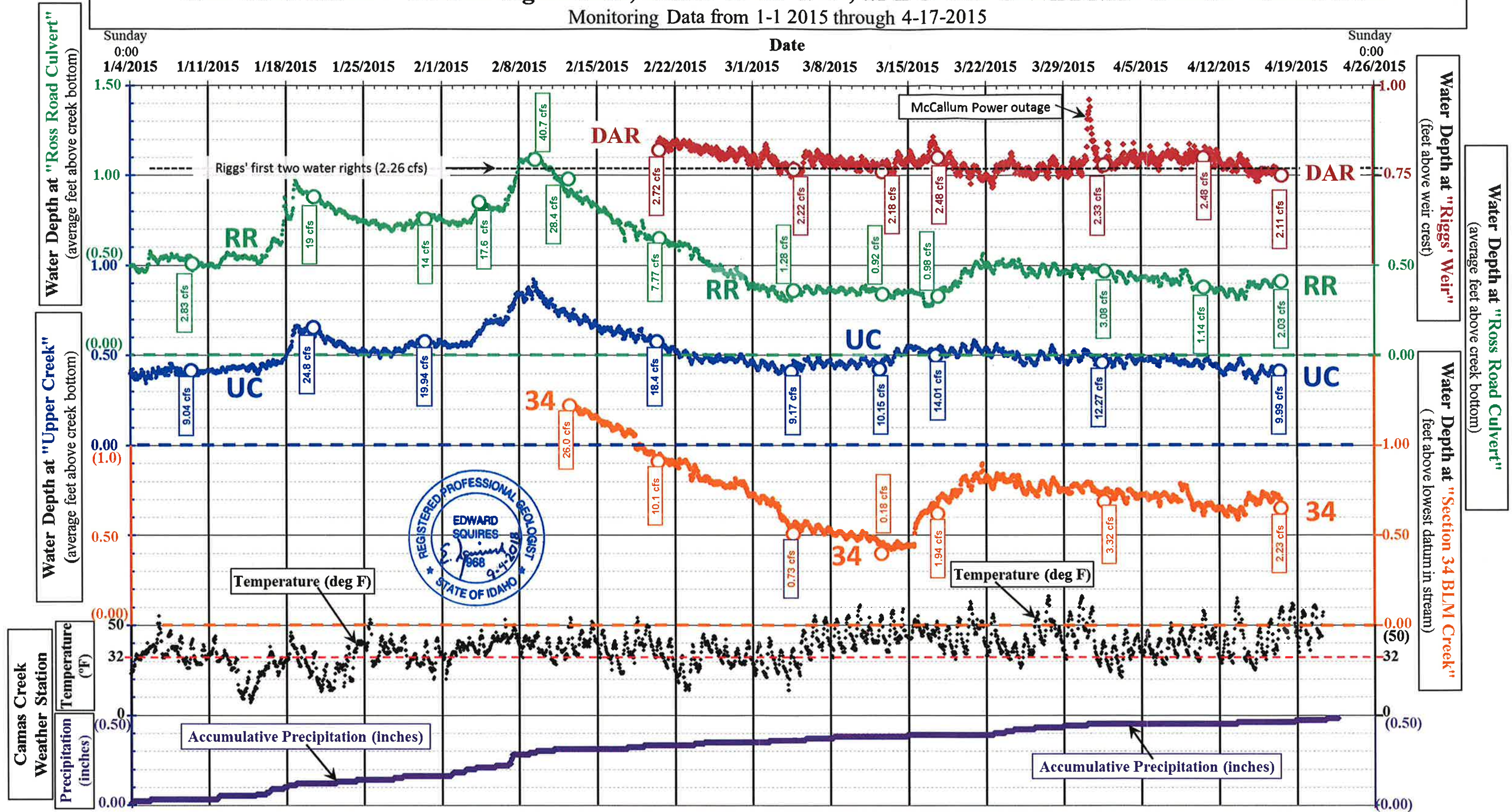


Figure 5.

2014 Cold Springs Creek Depth at Ross Road Culvert from Streambed Instrument

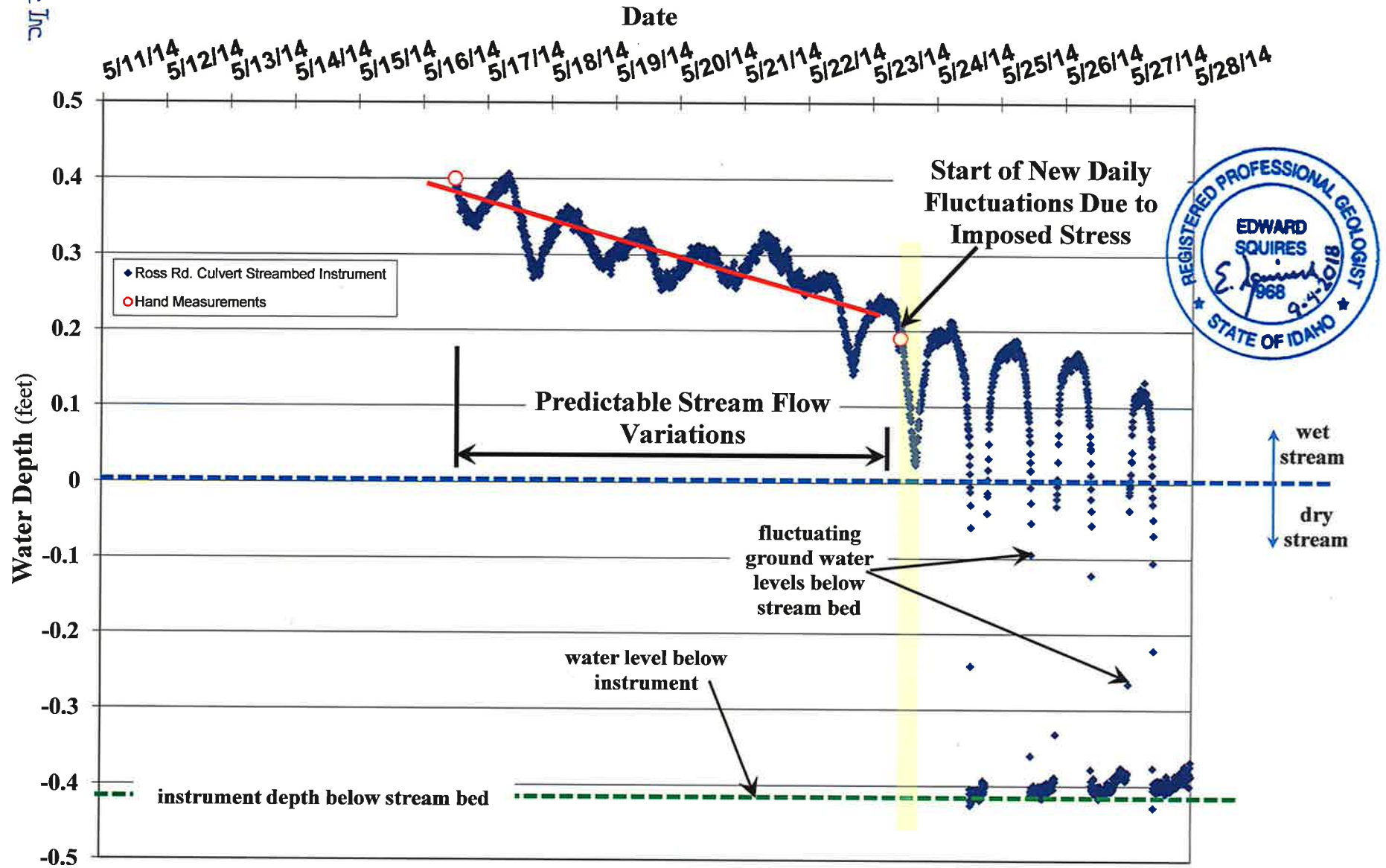


Figure 6.

Table - Cold Springs Creek Area Water Rights

Surface Water Rights on Cold Springs Creek

Water Right No.	Priority Date	Div. Rate		Cum. Tot. cfs	Water Use	Owner	Comments
		cfs	gpm				
61-11906	5/18/1870	1.54	691	1.54	stk.	CHARTER MOUNTAIN RANCH INC	Stock watering - 365-day use if stock present
61-338	6/30/1870	1.84	826	3	irr.	CHARTER MOUNTAIN RANCH INC	
61-323	5/1/1872	1.00	449	4.38	irr.	DOUBLE ANCHOR RANCHES INC	
61-10349	5/1/1873	1.26	565	5.64	irr.	DOUBLE ANCHOR RANCHES INC	
61-339	5/1/1875	1.50	673	7.14	irr.	CHARTER MOUNTAIN RANCH INC	
61-332	5/18/1875	2.72	1,221	9.86	irr.	CHARTER MOUNTAIN RANCH INC	Source is Cold Springs Creek and Spring
61-318	5/1/1877	0.50	224	10.36	irr.	HALF MOON RANCH	
61-328	5/1/1877	1.40	628	11.76	irr.	ARK PROPERTIES LLC	Below Riggs on Cold Springs Creek
61-319	5/1/1878	0.80	359	12.56	irr.	HALF MOON RANCH	
61-326	5/1/1878	1.00	449	13.56	irr.	DOUBLE ANCHOR RANCHES INC	
61-327	5/1/1879	2.50	1,122	16.06	irr.	DOUBLE ANCHOR RANCHES INC	
61-345	6/30/1879	0.50	224	16.56	irr.	MULE SHOE LLC	
61-317	5/1/1880	1.36	610	17.92	irr.	BARBER CAVEN RANCHES	
61-320	5/1/1881	0.70	314	18.62	irr.	HALF MOON RANCH	
61-321	5/1/1883	0.90	404	19.52	irr.	HALF MOON RANCH	
61-309	6/1/1883	0.58	260	20.10	irr.	ARK PROPERTIES LLC	Below Riggs on Cold Springs Creek
61-330	5/1/1884	0.36	162	20.46	irr.	DOUBLE ANCHOR RANCHES INC	
61-347	5/1/1884	3.20	1,436	23.66	irr.	MULE SHOE LLC	
61-333	5/1/1885	0.54	242	24.20	irr.	CHARTER MOUNTAIN RANCH INC	
61-346	5/1/1885	0.70	314	24.90	irr.	BARBER CAVEN RANCHES	
61-331	5/1/1886	1.00	449	25.90	irr.	DOUBLE ANCHOR RANCHES INC	
61-334	5/1/1886	0.50	224	26.40	irr.	CHARTER MOUNTAIN RANCH INC	
61-364	5/1/1887	0.12	54	26.52	irr.	CHARTER MOUNTAIN RANCH INC	
61-341	5/7/1887	1.22	548	27.74	irr.	BLACKWELL, SAMUEL D	
61-340	6/30/1887	0.50	224	28.24	irr.	CHARTER MOUNTAIN RANCH INC	
61-342	6/30/1887	1.18	530	29.42	irr.	BLACKWELL, SAMUEL D	
61-343	6/30/1888	0.60	269	30.02	irr.	CHARTER MOUNTAIN RANCH INC	
61-335	5/1/1889	0.48	215	30.50	irr.	CHARTER MOUNTAIN RANCH INC	
61-336	5/1/1895	0.80	359	31.30	irr.	CHARTER MOUNTAIN RANCH INC	
61-337	12/1/1895	2.40	1,077	33.70	irr.	CHARTER MOUNTAIN RANCH INC	
61-2008	02/26/1908	6.96	3,124	40.66	irr.	CHARTER MOUNTAIN RANCH INC	Also stock water
61-2007	02/29/1908	2.10	942	42.76	irr.	MULE SHOE LLC	
61-2038	07/10/1913	1.20	539	43.96	irr.	DOUBLE ANCHOR RANCHES INC	
61-2048	07/16/1916	0.40	180	44.36	irr.	BARBER CAVEN RANCHES	
61-2052	12/19/1917	0.64	287	45.00	irr.	MULE SHOE LLC	
61-11899	03/15/1920	3.18	1,427	48.18	irr.	HALF MOON RANCH	
61-2064	06/14/1922	1.28	574	49.46	irr.	NEUER, OTTO	
61-12236	06/14/1922	0.44	197	49.90	irr.	HUNT, JOANN	
61-12237	06/14/1922	0.46	206	50.36	irr.	DENNY, SUSAN	
61-12238	06/14/1922	0.38	171	50.74	irr.	NEUER, EDUARD	
61-10718	02/01/1931	0.02	9	50.76	stk.	WILBUR F WILSON RANCH	
61-11502	06/28/1934	0.02	9	50.78	stk.	UNITED STATES OF AMERICA	
61-11503	06/28/1934	0.02	9	50.80	stk.	UNITED STATES OF AMERICA	
61-11507	06/28/1934	0.02	9	50.82	stk.	UNITED STATES OF AMERICA	
61-11552	06/28/1934	0.02	9	50.84	stk.	UNITED STATES OF AMERICA	
61-10299	03/15/1943	6.73	3,020	57.57	irr.	BLACKWELL, SAMUEL D	
61-2031	05/20/1952	2.02	907	59.59	irr.	BEAN, ANNABETH N	
61-2100	09/21/1953	5.42	2,432	65.01	irr.	CHARTER MOUNTAIN RANCH INC	Also domestic water
61-2111	07/05/1955	1.02	458	66.03	irr.	CHARTER MOUNTAIN RANCH INC	
61-11885	07/05/1955	0.48	215	66.51	irr.	CHARTER MOUNTAIN RANCH INC	
61-11904	07/05/1955	0.72	323	67.23	stk.	CHARTER MOUNTAIN RANCH INC	
61-2338	07/03/1957	1.51	678	68.74	irr.	WILBUR F WILSON RANCH	
61-4147	03/15/1971	10.00	4,488	78.74	irr.	DOUBLE ANCHOR RANCHES INC	
61-7200	10/01/1974	0.76	341	79.50	irr.	ELLIS LIVING TRUST	
61-7763	11/15/1999	0.22	99	79.72	stk.	CHARTER MOUNTAIN RANCH INC	
61-7764	03/03/2000	4.21	1,889	83.93	irr.	ARK PROPERTIES LLC	Also stock water
61-12209	11/28/2008	2.01	902	85.94	irr.	ARK PROPERTIES LLC	

Hydro Logic, Inc.

Table 1.

Ground Water Rights in T. 3 S. R. 9 E. All Sections

NO GROUND WATER RIGHTS IN T3S R9E Sec. 1-36

Ground Water Rights in T. 4 S. R. 9 E. All Sections

Water Right No.	Priority Date	Div. Rate		Cum. Tot. cfs	Water Use	Owner	Comments
		cfs	gpm				
61-2095A	03/07/1953	3.05	1,369	3.05	irr.	CHARTER MOUNTAIN RANCH INC	
61-2095B	03/07/1953	0.06	27	3	irr.	UNITED STATES OF AMERICA	
61-11905	03/07/1953	0.24	108	3.35	stk.	CHARTER MOUNTAIN RANCH INC	
61-2095A	03/07/1953	3.05	1,369	6.40	irr.	CASA DEL NORTE LP	
61-301A	06/10/1955	5.38	2,415	11.78	irr.	CHARTER MOUNTAIN RANCH INC	
61-301B	06/10/1955	1.02	458	12.80	irr.	CHARTER MOUNTAIN RANCH INC	
61-11908	06/10/1955	1.09	489	13.89	stk.	CHARTER MOUNTAIN RANCH INC	
61-11909	06/10/1955	0.24	108	14.13	stk.	CHARTER MOUNTAIN RANCH INC	
61-301A	06/10/1955	5.38	2,415	19.51	irr.	CASA DEL NORTE LP	
61-301B	06/10/1955	1.02	458	20.53	irr.	CASA DEL NORTE LP	
61-11847	03/15/1957	0.60	269	21.13	irr.	CHARTER MOUNTAIN RANCH INC	
61-11907	03/15/1957	0.24	108	21.37	stk.	CHARTER MOUNTAIN RANCH INC	
61-11847	03/15/1957	0.60	269	21.97	irr.	CASA DEL NORTE LP	
61-2121	06/04/1959	0.58	260	22.55	irr.	BEAN, ANNABETH N	Also domestic water
61-10375	01/01/1960	0.06	27	22.61	dom.	CHARTER MOUNTAIN RANCH INC	
61-10300	04/16/1960	0.09	40	22.70	stk.	BLACKWELL, FRANCES E; BLACKWELL, SAMUEL D	
61-2199A	07/19/1966	5.88	2,639	28.58	irr.	CHARTER MOUNTAIN RANCH INC	
61-2199B	07/19/1966	0.12	54	28.70	irr.	UNITED STATES OF AMERICA	
61-2199A	07/19/1966	5.88	2,639	34.58	irr.	CASA DEL NORTE LP	
61-2209A	09/12/1966	0.41	184	34.99	irr.	CHARTER MOUNTAIN RANCH INC	
61-2209B	09/12/1966	0.01	4	35.00	irr.	UNITED STATES OF AMERICA	
61-2209A	09/12/1966	0.41	184	35.41	irr.	CASA DEL NORTE LP	
61-11887A	03/15/1977	2.36	1,059	37.77	irr.	CHARTER MOUNTAIN RANCH INC	
61-11887B	03/15/1977	0.05	22	37.82	irr.	UNITED STATES OF AMERICA	
61-11887A	03/15/1977	2.36	1,059	40.18	irr.	CASA DEL NORTE LP	
61-7725	01/13/1997	1.73	776	41.91	irr.	CHARTER MOUNTAIN RANCH INC	
61-7765	11/15/1999	6.00	2,693	47.91	irr.	CHARTER MOUNTAIN RANCH INC	Also fish water
61-12210	11/28/2008	3.00	1,346	50.91	irr.	ARK PROPERTIES LLC	

Ground Water Rights in T. 5 S. R. 9 E. Sections 1-6

Water Right No.	Priority Date	Div. Rate		Cum. Tot. cfs	Water Use	Owner	Comments
		cfs	gpm				
61-2257	07/28/1941	-	-	-	stk.	UNITED STATES OF AMERICA	
61-10576	12/31/1942	0.09	40	0.09	stk.	STEPHENS & SONS	Also domestic water
61-12210	11/28/2008	3.00	1,346	3.09	irr.	ARK PROPERTIES LLC	Hydro Logic, Inc.

Table 1.

All Other Water Rights in T. 3 S. R. 9 E. Sections 25-36

61-11566	04/17/1926	0.02	9	0.02	stk.	UNITED STATES OF AMERICA	COYOTE SPRING
61-2284	01/24/1942	0.01	4	0.03	stk.	UNITED STATES OF AMERICA	COYOTE SPRING
61-11453	04/05/1920	0.02	9	0.05	stk.	UNITED STATES OF AMERICA	LONE TREE SPRING
61-7132	11/28/1972	0.01	4	0.06	stk.	UNITED STATES OF AMERICA	PRINCE ALBERT SPRING; Also wildlife water
61-11514	04/17/1926	0.02	9	0.08	stk.	UNITED STATES OF AMERICA	PRINCE ALBERT SPRING
61-11565	06/28/1934	0.02	9	0.10	stk.	UNITED STATES OF AMERICA	RYEGRASS CREEK
61-4029	04/01/1927	5.14	2,307	5.24	irr.	WALKER, MARGARET & WILLIAM	RYEGRASS CREEK; Also stock water
61-11508	04/17/1926	0.02	9	5.26	stk.	UNITED STATES OF AMERICA	SPRING
61-11511	04/17/1926	0.02	9	5.28	stk.	UNITED STATES OF AMERICA	SPRING
61-11506	06/30/1934	0.02	9	5.30	stk.	UNITED STATES OF AMERICA	SPRING
61-2277	01/24/1942	0.01	4	5.31	stk.	UNITED STATES OF AMERICA	SPRING
61-2302	05/05/1953	0.01	4	5.32	stk.	UNITED STATES OF AMERICA	SPRING
61-11569	04/17/1926	0.02	9	5.34	stk.	UNITED STATES OF AMERICA	SPRING
61-11559	04/17/1926	0.02	9	5.36	stk.	UNITED STATES OF AMERICA	SPRING
61-11562	04/17/1926	0.02	9	5.38	stk.	UNITED STATES OF AMERICA	SPRING
61-2269	01/24/1942	0.01	4	5.39	stk.	UNITED STATES OF AMERICA	SPRING
61-7657	01/28/1991	0.02	9	5.41	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM; Also wildlife water
61-11656	06/28/1934	0.02	9	5.43	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-12288	03/04/1914	0.04	18	5.47	dom.	CASA DEL NORTE LP	UNNAMED STREAM
61-2319	05/05/1953	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-2330	10/13/1958	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM

All Other Water Rights in T. 4 S. R. 9 E. All Sections

Water Right No.	Priority Date	Div. Rate		Cum. Tot.	Water Use	Owner	Comments
		cfs	gpm				
61-11434	1/1/1876	0.02	9	0.02	stk.	UNITED STATES OF AMERICA	ALKALI CREEK
61-371B	5/2/1872	0.40	180	0.42	stk.	CASA DEL NORTE LP	LITTLE CANYON CREEK
61-4029	04/01/1927	5.14	2,307	5.56	irr.	WALKER, MARGARET & WILLIAM	RYEGRASS CREEK; Also stock water
61-11585	06/28/1934	0.02	9	5.58	stk.	UNITED STATES OF AMERICA	RYEGRASS CREEK
61-322	5/1/1871	0.08	36	5.66	irr.	DOUBLE ANCHOR RANCHES INC	SPRING
61-2261	06/26/1941	0.01	4	5.67	stk.	UNITED STATES OF AMERICA	SPRING
61-2270	01/24/1942	0.01	4	5.68	stk.	UNITED STATES OF AMERICA	SPRING
61-12287	09/26/1958	0.12	54	5.80	stk.	CASA DEL NORTE LP	SPRING
61-7617	11/20/1989	-	-	-	irr.	CHARTER MOUNTAIN RANCH INC	SPRING
61-7656	11/16/1990	0.03	13	5.83	stk.	UNITED STATES OF AMERICA	SPRING
61-10296	1/1/1800	0.23	103	6.06	dom.	DOUBLE ANCHOR RANCHES INC	SPRINGS; Also stock water
61-10363	3/15/1870	3.25	1,459	9.31	irr.	CASA DEL NORTE LP	SPRINGS
61-11856	12/31/1870	0.06	27	9.37	dom.	CHARTER MOUNTAIN RANCH INC	SPRINGS
61-11854	04/01/1910	0.42	189	9.79	irr.	CASA DEL NORTE LP	SPRINGS
61-11844	02/15/1911	0.54	242	10.33	irr.	CASA DEL NORTE LP	UNNAMED STREAM; Also stock water
61-2278	01/24/1942	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-2285	01/24/1942	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-2286	01/24/1942	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-2287	01/24/1942	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-2290	01/24/1942	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-11620	06/04/1955	0.02	9	10.35	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM

All Other Water Rights in T. 5 S., R. 9 E. Sections 1-6

Water Right No.	Priority Date	Div. Rate		Cum. Tot.	Water Use	Owner	Comments
		cfs	gpm				
61-10659	12/31/1930	0.13	58	0.13	dom.	ARK PROPERTIES LLC	HENLEY SPRINGS; Also stock water
61-11807	04/30/1952	0.34	153	0.47	irr.	ARK PROPERTIES LLC	HENLEY SPRINGS, UNNAMED STREAM
61-2304	05/05/1953	-	-	-	stk.	UNITED STATES OF AMERICA	UNNAMED STREAM
61-1660	03/15/1930	0.80	359	1.27	irr.	HALF MOON RANCH	UNNAMED STREAM

Table 1.

Edward Squires, R.P.G.

EDUCATION

M.S. Interdisciplinary Hydrogeology, 1992, Boise State University, Boise, Idaho.
Advisors: Dr. S.H. Wood (BSU) and Dr. J.L. Osiensky (U of I).

B.S. Geology, groundwater emphasis, cum laude, 1990, Boise State University, Boise, Idaho.
Advisor: Dr. C. M. White.

Thesis: Hydrogeologic Framework of the Boise Aquifer System, Ada County, Idaho.

REGISTRATION

Registered Professional Geologist, since 1999, Idaho Certificate No. 968

Registered Professional Geologist, since 2010, Arizona Certificate No. 51268

Professional Well Log Analyst, since 1995

Idaho Certified Water Right Examiner, Certification No. 17-125

OVERVIEW

Ed Squires is the President and Managing Hydrogeologist for Hydro Logic, Inc. of Boise, Idaho. Before starting his own consulting firm in 1999, he served for 6 years as Manager of the Geosciences Department and Company Hydrogeologist for United Water Idaho, Inc. In that capacity, Mr. Squires has consulted on a variety of water resource projects to the United Water Resources group of companies around the United States. He has been part of the adjunct graduate faculty at Boise State University's Department of Geosciences since 1995, regularly teaching a curriculum course in Field Hydrogeology and serving as a guest lecturer for other water-related coursework. Prior to his tenure at United Water Idaho, Mr. Squires worked as a hydrogeologist for S.H. Wood and Associates and has over twenty-five years of hands-on groundwater and geophysical experience.

Mr. Squires' professional career and current practice emphasizes all aspects of responsible groundwater development, water rights, and resource protection. He has conducted extensive research and published many reports on the groundwater and subsurface hydrogeology of the Boise River Valley since publication of his Masters Thesis, entitled "Hydrogeologic Framework of the Boise Aquifer System, Ada County, Idaho". Mr. Squires served three years on the Technical Advisory Committee of the Treasure Valley Hydrologic Project and has been a member of the Southeast Boise Groundwater Management Area Committee, formed as a result of his research in Southeast Boise, since 1994. He served on the Technical Advisory Committee for the Hydrogeologic Framework and Computer Modeling Project for the Boise Front Geothermal Groundwater Management Area and was appointed by the Director to the Negotiated Rulemaking Committee to draft new administrative rules for well drilling in the State of Idaho. Ed was an active member of the Technical Working Group for North Ada County studies at IDWR at the request of the Director and has currently been requested to be part of the Technical Advisory Committee for a new, five-year, Treasure Valley computer modeling project with IDWR and USGS.

Mr. Squires has designed and supervised the construction of over 300 large bore, high capacity water supply wells averaging 500 feet deep in sedimentary and volcanic aquifers. He has designed, supervised the construction, developed, and tested more than 60 deep (500-to-1000 feet) exploratory test/observation wells in addition to multiple geothermal and irrigation well development projects. In addition to new well installations, Mr. Squires has run down hole camera surveys and borehole geophysical logs in hundreds of wells throughout the Western States and has been in charge of rehabilitative maintenance/reconstruction of over 150 older wells.

Mr. Squires is a registered Professional Geologist (No. 968) in Idaho and a Professional Well Log Analyst. He is a member of the National Groundwater Association, the Association of Ground Water Scientists and Engineers,

and is a Certified Water Rights Examiner in the State of Idaho (17-125).

REPRESENTATIVE PROJECT EXPERIENCE

Groundwater Development

- 1) Design, construction oversight, development, and testing of over 300 large bore, high capacity production supply wells for public drinking water systems, municipalities, irrigation, industrial, and private utilities.
- 2) Designed, organized, and supervised 16 regional scale, long-term aquifer tests using the wells of: the State of Idaho Department of Corrections, United Water Idaho, Inc., Water District 63-S, The Terteling Company, Inc., Mesa Water Corporation, Capital Water Corporation, Tamarack Resort, Crane Creek Country Club, J.R. Simplot, Town of Wickenburg, AZ, City of Meridian, City of Kuna, City of Caldwell, and City of Eagle.
- 3) Conducted and interpreted borehole geophysical logs in newly drilled wells and provided design information for hundreds of well projects for industrial, commercial, agricultural, domestic, and municipal wells in the western U.S.
- 4) Testing/analysis of United Water Idaho's infiltration galleries (Ranney Collectors) along the Boise River.
- 5) Pumping test analysis and pumping plant design of municipal supply wells for the Cities of Caldwell, Meridian, Kuna, and Garden City in Idaho, and the town of Wickenburg, AZ, and for many irrigation, geothermal, and commercial clients.
- 6) Ground water quality and water geochemistry evaluations for the Cities of Meridian, Caldwell, Kuna, and Garden City, United Water Idaho, Capitol Water Corp., Tamarack Resort, Pepsico USA, SSI Food Industries, Idaho Power Company, Wickenburg Ranch, Tusayan, AZ, Scottsdale, AZ, The Terteling Company, Inc., and numerous other agricultural, commercial, water company, and subdivision clients.
- 7) Hydrogeologic and geophysical investigations for groundwater supply projects for the Idaho cities of Boise, Meridian, Caldwell, Mountain Home, Nampa, Greenleaf, Kuna, Marsing, Buhl, Rupert, Eagle, Cascade, Donnelly, Victor, Star, Emmett, Glens Ferry, and Notus. Also the Cities of Hawthorne NV, Mt. Vernon OR, LaGrande OR, Island City OR, and Walla Walla WA and the towns of Tusayan AZ, Scottsdale AZ, and Wickenburg AZ.

Aquifer Recharge

- 1) Project manager for the United Water Idaho, Inc.'s Swift Aquifer Storage and Recovery project (aquifer recharge) in West Boise, Idaho, 1996-1999.
- 2) Consulting hydrogeologist to United Water Resources for various aquifer recharge projects along the east coast 1996-1999.
- 3) Geophysical and hydrogeological consultant to the State of Idaho Department of Water Resources' Managed Recharge Project including providing open-hole geophysical logs and borehole video 2000.

- 4) In-situ Aquifer Storage and Recovery project for dissolved iron concentrations in ground water in the Tamarack Resort municipal supply Well #7 ; successful elimination of dissolved iron 2004.
- 5) Attended two international ASR conferences and two recharge conferences in the US.
- 6) City of Meridian ASR Evaluation for City Well #23, 2009.
- 7) Member of the National Groundwater Association's ASR Task Force, 2009-2014
- 8) Evaluation of ASR for Desert Mountain Club using Central Arizona project water, Scottsdale, AZ, 2016

Surface Water

- 1) Streamflow monitoring of Cold Springs Creek near Glenn's Ferry, ID on 4 stream reaches, 2014-to-2017.
- 2) Five-year stream flow and surface water-geochemistry/water-quality monitoring of four mountain streams in the Tamarack Resort area of Valley County Idaho including establishment of baseline data and statistical analysis.
- 3) Three-year stream flow monitoring of three spring-fed perennial streams in the Squaw Ridge area near Ola, Idaho including an evaluation for two administrative futile water calls and associated water rights.
- 4) Monitoring and demonstration of water rights futile call and expert witness for Cold Springs Creek and Ryegrass Creek near Glenn's Ferry, ID, 2014.
- 5) Ground and Surface Water Resources Management Plan for Clagstone Meadows area of north Idaho including 3 exploratory test bores, surface water stream monitoring for flow and geochemistry. Surface water rights evaluation, adjudication claims, and new applications.

Water Rights

- 1) Preparation, filing, and follow-through of numerous water right transfers and water right permit applications and transfers for public utilities, municipalities, the State of Idaho, commercial, and agricultural water users in Idaho.
- 2) Expert witness for Basin 37-B ground water users in the Big and Little Wood River water call (ongoing).
- 3) Evaluation of surface water rights and filing of transfer applications in Little Salmon River Valley.
- 4) Expert witness in Basinwide Issue #5 – Conjunctive Management of Water Resources in Idaho.
- 5) Expert witness in all manner of water right disputes, protests, and well interference issues before the Idaho Department of Water Resources and in the Idaho courts including groundwater/surface water interactions.
- 6) Evaluations and filing of claims in the Snake River Basin Adjudication.
- 7) Certified Water Right Examiner in the State of Idaho regularly conducting field licensing examinations and evaluations of pumping systems including determination of historical use.

- 8) Continual involvement in the interpretation and application of the tenets of the State of Idaho Water Code with respect to groundwater resource development and management.
- 9) Project manager for United Water Idaho, Inc. concerning the implementation of the 1996 Municipal Water Rights Statute 1994-1999.
- 10) Successful "Municipal" water rights application for the Idaho Dept. of Transportation for its Issac's Canyon Rest Area near Boise. 1st use of 1996 Municipal Water Rights Statute for the State of Idaho.
- 11) Co-author of the first successful municipal "future needs" (RAFN) water right application in Idaho and three subsequent future needs applications.
- 12) Water rights consultant to the Idaho Department of Corrections for several facility locations.

Groundwater Development Feasibility Studies

- 1) 2006-2016 Project Manager for \$1.5 M hydrogeologic characterization and ground water development potential studies of the Upper Hassayampa Basin for the 3,000-unit Wickenburg Ranch planned development community near the town of Wickenburg, Arizona.
- 2) 2006-2016 Project Manager for \$2M hydrogeologic characterization and ground water development potential studies for the 6,000-unit Spring Valley planned development community in the Eagle, Idaho foothills.
- 3) Design, construction oversight, development, water quality testing, and monitoring of over 50 deep (500-1000 feet) exploratory test-well and piezometer nest installations for municipal and industrial water providers in Southwest Idaho..
- 4) Groundwater Feasibility Study For Idaho Power Co.'s Pahsimeroi Fish Hatchery, Lemhi, County, Idaho.
- 5) Reconnaissance Level Groundwater Feasibility Study for the Idaho Power Company's Oxbow Fish Hatchery at the Confluence of Pine Creek With the Snake River in the Hells Canyon Reach, Baker County, Oregon.
- 6) Hydrogeologic Evaluation of Groundwater Quality and Yield Beneath the Idaho Power Company's Pahsimeroi Fish Hatchery – Upper Facility.
- 7) Analysis of the 2001 Aquifer Testing for the Municipal Water Supply of the Proposed Tamarack Resort, Donnelly, Valley County, Idaho.
- 8) Groundwater Conditions and Hydraulic Testing of the Boise Fan-Aquifer of Southeast Boise River Valley, Ada County, Idaho.
- 1) Evaluation of the Hydrogeologic Framework and Groundwater Production Potential of the Kings River Valley, Nevada.

Resource Protection

- 1) Request to the Director of Department of Water Resources for the Designation of a West Ada County Area of Drilling Concern with Case Studies, April 20, 2015.
- 2) Investigation, design and oversight of the decommissioning and proper abandonment of 49 aging and unsealed large-bore production well using perforate-and-pressure grouting techniques.
- 3) Design and oversight of the pressure grout sealing and rehabilitation of four high-yield unsealed wells for the defunct United Dairymen of Idaho Creamery in downtown Meridian, Idaho prior to building a new City Hall facility on the site.
- 4) Development and implementation of a baseline (pre-development) surface water quality monitoring plan for the proposed Tamarack Resort, Donnelly, ID.
- 5) Served two years (2008-2010) representing the City's of Meridian, Caldwell, and Kuna on the negotiated rulemaking committee for revision of Idaho's administrative rules for well drilling at request of the Director of the Department of Water Resources.
- 6) Served one year (1995-1996) representing United Water Idaho, Inc. on a negotiated rulemaking committee for revision of Idaho's administrative rules for well drilling at request of the Manager of the Western Regional office of the Department of Water Resources.

Expert Witness Testimony (entity represented underlined – all winning outcomes):

- 1) Nampa and Meridian Irrigation District versus City of Meridian (settled)
- 2) Four Sisters Dairy versus Salmon Falls Basin ground water users
- 3) Idaho Department of Corrections versus Tyson Fine Foods
- 4) The Terteling Company, Inc. versus Edwards Greenhouses, LLC.
- 5) Naylor Farms versus Latah County et al
- 6) Ivey versus Russell, Gem County
- 7) North Ada County Ground Water Users Association versus M3 Eagle, LLC.
- 8) Round Valley water users and well owners versus Ringel.
- 9) Edwards Greenhouses versus The Terteling Company, Inc.
- 10) Idaho Power Company versus group of Pahsimeroi Valley water users and well owners.
- 11) Carlock, McKenzie, and Redmon versus Mooers - Squaw Creek Idaho.
- 12) The Terteling Company versus the City of Boise.
- 13) City of Caldwell versus United Water Idaho, Inc.
- 14) City of Meridian versus United Water Idaho, Inc.
- 15) The Terteling Company, Inc. versus United Water Idaho, Inc.
- 16) Tamarack Resort versus Henry's North Forty, LLC.
- 17) Thompson versus George Bryant Drilling.
- 18) Micron Technology, Inc. versus United Water Idaho, Inc.
- 19) Jardine versus Inland Crane
- 20) Brenegar versus City of Meridian.
- 21) Double Anchor Ranches versus Casa del Norte

- 22) United Water Idaho, Inc. versus Idaho Department of Corrections
- 23) McNabb versus United Water Idaho, Inc.
- 24) General Water Works Corporation versus Intel, Corporation.
- 25) Idaho Public Utilities Commission versus Mesa Water Company.
- 26) Duspiva versus Filmore Supreme Court case over well drilling procedures.

EMPLOYMENT

- 1999-present Founder, President, and Managing Hydrogeologist; Hydro Logic, Inc.
- 1995-present Adjunct graduate faculty; Boise State University Department of Geosciences.
- 1994-1999 Sr. Hydrogeologist (RPG) United Water Idaho, Inc.; Geosciences Department Head.
- 1992-1994 Consulting Hydrogeologist. S.H. Wood and Associates, Boise, Idaho.
- 1990-1993 Staff Technician; Geophysical Well-logging Unit, Boise State University.
- 1989 summer Idaho Geological Survey; Idaho Initiative. Albion Range field-mapping.
- 1989 Internship; Boise Water Corp.; Digital Data Acquisition for Groundwater Studies.
- 1988 summer White/Naslund National Science Foundation Research Expedition to Kangerslugsuaag region of arctic East Greenland. Team member in charge of field mapping.
- 1987 summer Research assistant at BSU on hydrogeological studies. Design, construction, and operation of Boise State University's truck-mounted geophysical well-logging unit. Thin-section and X-ray diffraction laboratory manager.

PUBLICATIONS AND REPRESENTATIVE PROFESSIONAL REPORTS

- An Evaluation of the History, Ground Water Geochemistry, Hydrogeology, and Current Condition of the City of Meridian Municipal Well #15-A: Including the Drilling, Construction, Development and Sampling of the Thirteen-Depth-Zone, #15-B Monitoring Well, 2016.
- City of Meridian Request to the Director of the Department of Water Resources for Designation of a West Ada Area of Drilling Concern, 12-year study of drill-and-drive air-rotary domestic well practices and the implications to ground water contamination in the Treasure Valley, 2015.
- Ground Water Quality Evaluation of Aquifers Underlying the City of Kuna Municipal Well #3 Site, 2014, a report prepared for the City of Kuna Public Works Department
- Evaluation of Changing Ground Water Geochemistry in the Meridian Municipal Well #25, 2014, Investigation of radionuclides in groundwater and causative factors behind elevated levels of uranium in Meridian ground water.
- Aquifer Insights Gained from a Seventeen-Year Water Level Monitoring Record of a Rapidly Developing Municipal Well Field in Meridian, Idaho, 2013, Results and analysis of a long-term, designated ground water-level monitoring well network and the implications to future resource sustainability, a report prepared for the City of Meridian Public Works Department
- An Evaluation of the Pumping Plant, Ground Water geochemistry, Hydrogeology, and Current Condition of the City of Meridian Municipal Supply Well #24, a Ninth Year Check-Up, 2012, Prepared for the City of Meridian
- Understanding the Boise River Valley Aquifers: the Hydrogeology Depends on the Geology. Modeling Depends on Good Data, 2012, Abstract and presentation for Law Seminars International.
- The Artesian Wells of the City of Meridian, Idaho, March 17, 2012, municipal well data base and report to City of Meridian Public Works Department.
- Evaluation of Elevated Concentrations of Dissolved Radionuclides in Ground water from the City of Meridian Municipal Well #20-B, 2011, prepared for the City of Meridian Public Works Department
- Hydrogeologic Characterization and Demonstration of Physical Availability of Groundwater for an Assured and Adequate Water Supply Application for Wickenburg Ranch, Yavapai County, Arizona, October 11, 2010.
- Geologic Framework of the Congress Basin Groundwater Resources, Yavapai County, Central Arizona, July 4, 2010.
- City of Meridian Source Water Protection Plan Update, 2009, second edition after 2003.
- Options For Improving Groundwater Quality in the City of Meridian Well #23, May 5, 2009 Technical memorandum to Public Works Director Tom Barry including a detailed evaluation for the potential for Aquifer Storage and

Recovery.

Hydrogeologic Framework and Evaluation of the Ground Water Development Potential Beneath The City of Meridian's Test Well #28 Site. April 1, 2009.

A Nine-Day Constant-Rate-Discharge Aquifer Test of the SVR #7 Test Well In Big Gulch, North Ada County, Idaho. Consultant's report issued January 20, 2009

Thirteen-Day Constant-Discharge Aquifer Test of the Wickenburg Ranch Supply Well #7. January 8, 2009, a Demonstration of Assured and Adequate Water Supply for the Upper Hassayampa Basin, AZ to the Arizona Department of Water Resources.

Ground Water Level Measurements the Northern Ada County Area Including the Proposed M3 Eagle Planned Community, to Dennis E. Owsley of the Idaho Department of Water Resources, Consultant's report issued March, 19. Hydro Logic, Inc., 2008a. Technical Memorandum.

Modeling of Groundwater Flow in the Pierce Gulch Sand Aquifer: Five Models: History, Updates and Predictions of Impacts Caused by Pumping at the M3 Eagle Planned Residential Community, Ada County, Idaho. Consultant's report issued November 26. Hydro Logic, Inc., 2008c.

Re-analysis of 16 Aquifer Tests in the Greater Eagle-Star Area of North Ada County, Idaho. Consultant's report issued July 4, 2008, Utting, M. and Squires, E., 2008.

M3 Eagle Regional Hydrogeologic Characterization, North Ada, Canyon and Gem Counties, Idaho One-Year Progress Report. Consultant's report issued May 4. Squires, E., Utting, M., and Pearson, L.H., 2007.

Baseline Surface Water Quality Estimation For Streams In the Tamarack Resort Area, Donnelly, Valley County, Idaho. March 15, 2007, Streamflow and geochemistry monitoring of four mountain streams 2002-2007.

Movement of Dissolved Constituents From Surface to Groundwater and Analysis of Hydrochemical Trends in the Boise Aquifer. 2006, research paper in preparation with D. Glanzman.

Baseline Surface Water Quality Estimation For Streams In the Tamarack Resort Area, Donnelly, Valley County, Idaho:

2006, a four-year study to develop baseline geochemical signatures and annual flow rates/volumes for six area streams using the Probability Plot Analysis method.

Hydrogeologic Evaluation of the Feasibility for Ground Water Development Beneath the Miller Gulch Area of the Terteling

Ranch in the Boise Foothills, Ada County, Idaho With Emphasis on Water Quality / Geochemistry: 2005, a report on the drilling, design, construction, and sampling of the Miller Gulch exploratory test-well bore and piezometer nest.

Options for Additional Ground Water Development and Replacement of the City of Caldwell's #7 Supply Well:

2005, a report on the drilling, design, construction, and sampling of an exploratory test-well and long-term dedicated piezometer nest/monitoring well at the City of Caldwell's existing municipal water supply well site, prepared for the City of Caldwell, Idaho Department of Public Works.

Boise Valley Groundwater Geochemistry – Origin, Infiltration Rate, and Transport Characteristics: 2005, abstract submitted to the 15th Annual Goldschmidt Meeting of international geochemists, co-author with Dick Glanzman, CH2M Hill Denver.

Treasure Valley Hydrologic Project Seismic Survey and Hydrogeologic Framework Study, 2003, research paper with Dr. S.H. Wood, and Lee Liberty of BSU.

Compilation of Drilling, Geological, Geophysical, Geochemical, and Hydraulic Testing Data for the City of Meridian,

Idaho's Groundwater Supply; Including Detailed Well-Construction Information and Aquifer Pressure Measurements From a Long-Term Groundwater Monitoring Well Network, 2003, data compilation from a ten-year hydrogeologic study funded by the City of Meridian.

City of Meridian, Idaho Source Water Protection Plan: 2003, prepared for the Idaho Department of Environmental Quality and the City of Meridian Department of Public Works.

Details of Drilling, Construction, and Hydraulic Testing of the Idaho State Correctional Institution #4 Supply Well, 2002, a report prepared for the Idaho Division of Public Works.

Results and Analysis of the 2001 Aquifer Testing for the Municipal Water Supply of the Proposed WestRock Resort, Donnelly, Valley County, Idaho: 2002, A report prepared for the Idaho Department of Water Resources.

Causative Factors of Detachment of the Mountain Home #1 Municipal Supply Well Pump With Details of the Recovery Effort: 2002, A report prepared for Ringert Clark Chartered Lawyers.

Evaluation, Abandonment, and Proposed Replacement of the Capitol Water Corporation's #5 (Lubkin) Municipal Supply Well 1999-2002: 2001, A report on the history of repair, the occurrence of volatile organic compounds, and the abandonment of an aging supply well in preparation for replacement of the #5 well with a new facility.

Preliminary Evaluation of the Well Construction, Present Down Hole Conditions, and Sustainable Yield of the Garden City #5 Municipal Well: 2001, A report the Garden City Public Works Department.

Stratigraphic Studies of the Boise (Idaho) Aquifer System Using Borehole Geophysical Logs With Emphasis on Facies Identification of Sand Aquifers: 2000, Report to the Treasure Valley Hydrologic Project, Idaho Department of Water Resources, (co author with Dr. S.H. Wood).

Geophysical signatures of lacustrine facies: Experience from Hydrostratigraphic Studies of temperate Neogene Lake Idaho sediments and aquifers, U.S.A., Abstract of the General symposium, 3-1 Lacustrine Sedimentation, 31st International Geological congress, Rio de Janeiro, Brazil, August 6-11, 2000_Wood, S.H., Liberty, L., and Squires, E.

Hydrogeology, Geochemistry, and Well Construction of the Treasure Valley Hydrologic Project Monitoring Well #1, Ada County, Idaho: , 1999, Final report to the Technical Advisory Committee (co-author).

Supporting Data for the Groundwater Conditions and Aquifer Testing of the Tenmile Ridge Area of South Boise, Ada County, Idaho: 1998.

Implications of Well-Construction to Aquifer Water-Quality: Some Observations: (principal author), 1997, Southwest Idaho Subsection – Pacific Northwest Section of the American Water Works Association; in Southwest Idaho As An Example of Ground Water Development in the Northwest Intermountain Region, Speakers Expanded Abstracts
City of Meridian #15 Production Well: Discovery of a New, Good-Quality Aquifer: 1994, Professional report to the City of

Groundwater Conditions and Hydraulic Testing of the Boise-Fan Aquifer of Southeast Boise River Valley, Ada County, Idaho: 1993, Report to Boise Water Corporation. (principal author).

City of Meridian #14 Production Well: 1993, A new large-capacity municipal-supply well is completed in response to unprecedented 18% growth. Report to City of Meridian, Idaho.

Hydrogeologic Framework of the Boise Aquifer System, Ada County Idaho: 1992, Project Completion Technical Report, Idaho Water Resources Research Institute, University of Idaho, Moscow, Idaho, 109 pages.

An Irrigation Well for the Les Bois Invitational Soccer Tournament Incorporated, 1992, professional report to Boise Water Corporation, 42 pages. (sole author)

Hydrogeologic Investigation for the Proposed State of Idaho, Department of Transportation Blacks Creek Rest Area, Ada County, Idaho: 1992, report to Idaho Department of Transportation, 38 pages. (principal author)

Investigation of Groundwater in the Tenmile Ridge Area of South Boise, Idaho: 1989. Report to Boise Water Corporation. (principal author)

Origin of Granophyres in the Vandfalsdalen Macrodiike, East Greenland: 1989, Evidence for Assimilation and Magma Mixing. GSA Abs. with Programs. (co-author)

Crustal Assimilation and Coexisting Silicic and Mafic Magmas in the Vandfaldalen Macrodiike, East Greenland: Continental Magmatism Abstracts (IAVCEI): New Mexico Bureau of Mines and Mineral Resources Bulletin 131. (co-author)

Analysis of Historical and Current Water-level and Production Data from the Boise Geothermal System: 1988, Geological Society of America Abstracts. (co-author)

Preliminary Geology and Hydrogeology of the Mayfield/Orchard Area, Elmore and Ada Counties, Southwest Idaho: 1988, Program and Abstracts, 30th Annual Meeting of the Idaho Academy of Science. (sole author)

Geologic Study of Groundwater in Deep Wells, Southeast Boise Area: 1987. Report to Boise Water Corporation.

Meridian, Idaho.