

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 81930
RECEIVED
SEP 15 2017

MINIMUM REQUIREMENTS CHECKLIST
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

Department of Water Resources
Eastern Region

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 www.idwr.idaho.gov.

Name of Applicant(s) Richard and Peggy Larsen

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 www.idwr.idaho.gov/WaterManagement/WaterRights/WaterRightTransfers/resources.htm.
- ☐ ☒ #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 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: _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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Department of Water Resources
Eastern Region

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1

Name of Applicant(s) Richard and Peggy Larsen Phone 208-201-3706

Mailing address PO Box 358, Dubois, ID 83423 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 Rocky Mountain Environmental Associates, Inc Phone 208-524-2353

Mailing address 482 Constitution Way Ste 303, Idaho Falls, ID 83402 Email kristin.rmea@gmail.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.

Richard Larsen
Signature of Applicant or Authorized Representative

Richard Larsen
Print Name and Title if applicable

9-7-18
Date

Peggy Larsen
Signature of Applicant or Authorized Representative

Peggy Larsen
Print Name and Title if applicable

9-7-18
Date

A. PURPOSE OF TRANSFER

1. ☒ Change point of diversion ☐ Add diversion point(s) ☒ Change place of use
☐ Change nature of use ☐ Change period of use ☐ Other _____

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.2**.

Applicant proposes to transfer 8 ac of water right from a pivot (#166) formerly owned by them to another pivot (#224) within their farm. The acres were reserved by verbal agreement at the time of sale and will be deeded upon approval of this transfer application. The 8 acres will be combined with the water right at the proposed place of use.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1 Continued

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.

1.	Right Number	Amount (cfs/ac-ft)	Nature of Use	Period of Use	Source & Tributary
All or Part ☐ ☒	32-7034A	0.05 cfs	Irrigation	4/15 to 10/15	Ground Water
☐ ☐		15.7 afa		to	
☐ ☒	32-2096B	0.07 cfs	Irrigation	4/15/ to 10/15	Ground Water
☐ ☐		12.3 afa		to	
☒ ☐	31-7052B	3.0 cfs	Irrigation	4/01 to 11/01	Ground Water
☐ ☐		570.5 afa		to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	

Total authorized under rights 3.12 cfs and/or 598.5 acre-feet.

2. Total amount of water proposed to be transferred or changed 3.12 cubic feet per second and/or _____ acre-feet per year.

3. Point(s) of Diversion:

- ☐ No changes to point(s) of diversion are proposed - the following chart is therefore not completed. (Proceed to #4.)
- ☒ Attach Eastern Snake Plain Aquifer analysis if this transfer proposes to change a point of diversion affecting the ESPA. Label it **Attachment #5**.

New ?	Lot	¼	¼	¼	Sec	Twp	Rge	County	Source	Local name or tag #
N		SW	SW	NE	30	9N	36E	CLARK	GROUND WATER	A0005970

4. Place of use: (If irrigation, identify with number of acres irrigated per ¼ ¼ tract.)

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

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Acre Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9N	36E	30	0.1	6.8	40	16.5	1			25.3	23.6			0.2	14.3	40	3.2		171
Total Acres (for irrigation use)																			171

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:

Existing well that operates a single pivot. Applicant is already preparing to comply with the current measurement order, whether by installing a meter, or through qualifying for a variance from the order.

- 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:

The land currently described as the place of use for the 8 acres has already been retired. The acres at the proposed place of use are simply being reconfigured.

- 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:

No other water rights at existing place of use. Water Right Nos. 32-7058A and 32-7092A are proposed to share the existing point of diversion under a separate transfer application. No other water rights at proposed place of use or point of diversion.

- 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:

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

4/4/2017

WATER RIGHT NO. 32-2096B

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	S & S AGRISOURCE HOLDING LLC 9999 BELLAIRE BLVD STE 8B HOUSTON TX, ID 77036
Original Owner	JAMES S ARMSTRONG
Original Owner	VICTOR HEGSTED JR , ID
Original Owner	FARM CREDIT BANK OF SPOKANE 2225 W BROADWAY STE A IDAHO FALLS, ID 83402 (208)552-2300
Original Owner	GARNER E SIMMONS PO BOX 148 TETON, ID 83451 (208)458-4424
Security Interest	RABO AGRIFINANCE INC 12443 OLIVE BLVD STE 50 ST LOUIS, MO 63141

Priority Date: 05/17/1955

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	4/15	10/15	1.12 CFS	196.4 AFA
Total Diversion			1.12 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SWSE|Sec. 35|Township 10N|Range 34E|CLARK County

IRRIGATION Use:

Acre Limit: 56.1

Place(s) of use:

Place of Use Legal Description: IRRIGATION CLARK County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
10N	34E	35		NESE	31.9		NWSE	31.9		SWSE	31.9		SESE	31.8

Total Acres: 127.5

Conditions of Approval:

1. THE USE OF WATER FOR IRRIGATION UNDER THIS RIGHT MAY BEGIN AS EARLY AS APRIL 1 AND MAY CONTINUE TO AS LATE AS OCTOBER 31, PROVIDED OTHER ELEMENTS OF THE RIGHT ARE NOT EXCEEDED. THE USE OF WATER BEFORE [APRIL 15] AND AFTER [OCTOBER 15] UNDER THIS REMARK IS SUBORDINATE TO ALL WATER RIGHTS HAVING NO SUBORDINATED EARLY OR LATE IRRIGATION USE AND A PRIORITY DATE EARLIER THAN THE DATE A PARTIAL DECREE IS ENTERED FOR THIS RIGHT.
2. THIS RIGHT IS LIMITED TO THE IRRIGATION OF 56.1 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
3. 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.

Dates:

Licensed Date:

Decreed Date: 10/27/2000

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal: S

Owner Name Connector: AND

Water District Number: 110
Generic Max Rate per Acre:
Generic Max Volume per Acre:
Civil Case Number:
Old Case Number:
Decree Plaintiff:
Decree Defendant:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

4/4/2017

WATER RIGHT NO. 32-7034A

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	S & S AGRISOURCE HOLDING LLC 9999 BELLAIRE BLVD STE 8B HOUSTON TX, ID 77036
Original Owner	SNAPPLE BIT LAND & LIVESTOCK CO
Security Interest	RABO AGRIFINANCE INC 12443 OLIVE BLVD STE 50 ST LOUIS, MO 63141

Priority Date: 01/02/1996

Basis: License

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	4/15	10/15	0.73 CFS	249.9 AFA
Total Diversion			0.73 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SWSE|Sec. 35|Township 10N|Range 34E|CLARK County

IRRIGATION Use:

Acre Limit: 71.4

Place(s) of use:

Place of Use Legal Description: IRRIGATION CLARK County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
10N	34E	35		NESE	31.9		NWSE	31.9		SWSE	31.9		SESE	31.8

Total Acres: 127.5

Conditions of Approval:

1. T09 Approval of this transfer does not preclude the opportunity for review of the validity of the water right(s) in the ongoing Snake River Basin Adjudication.
2. 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
3. R30 This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.5 afa per acre for irrigation of the lands above.
4. T07 The right holder shall accomplish the change authorized by this transfer within one (1) year of the date of this approval.
The right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department. Right No. 32-07034A is limited to the irrigation of 71.4 acres in the place of use described above in a single irrigation season.
5. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
6. T08

Dates:

Licensed Date: 10/10/1996

Decreed Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal:

Owner Name Connector: AND

Water District Number: 110

Generic Max Rate per Acre:

Generic Max Volume per Acre:

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

4/18/2017

WATER RIGHT NO. 31-7052B

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	PEGGY A LARSEN
Current Owner	RICHARD J LARSEN PO BOX 358 DUBOIS, ID 83423 (208)356-0452
Directors Report Owner	FARM CREDIT BANK OF SPOKANE 2225 W BROADWAY STE A IDAHO FALLS, ID 83402 (208)552-2300
Security Interest	RABO AGRIFINANCE INC 12443 OLIVE BLVD STE 50 ST LOUIS, MO 63141

Priority Date: 07/29/1971

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	4/01	11/01	3 CFS	570.5 AFA
Total Diversion			3 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SWSWNE|Sec. 30|Township 09N|Range 36E|CLARK County

Place(s) of use:

Place of Use Legal Description: IRRIGATION CLARK County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
09N	36E	30		NWNE	5.4		SWNE	40		SENE	16			
				NENW	0.9		SENW	20						
				NESW	22									
				NESE	14		NWSE	40		SWSE	4.7			

Total Acres: 163

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.

Dates:

Licensed Date:

Decreed Date: 06/07/2002

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal: S

Owner Name Connector:

Water District Number: 110

Generic Max Rate per Acre:

Generic Max Volume per Acre:

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

To whom it may concern:

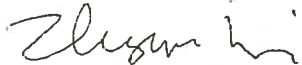
CC: S&S AgriSource Holding LLC

S&S AgriSource Holding LLC, owner of the following water rights 32-2096B & 32-7034E, as well as the irrigation pump and point of diversion located on pivot #166 in Section 35 of township 10N range 34E and the NESWSE quarter quarter in Montevieu, Idaho. Agrees to transfer from said location to Richard & Peggy Larsen 8.0 acres of water to the irrigation pump and point of diversion located on pivot #224 in Section 30 of township 09N range 36E and the SWSWNE quarter quarter. S&S AgriSource Holding LLC at the time of purchase, bought the 119.5 irrigated acres in pivot #166. As the original 127.5 irrigated acres was reduced by the necessary 8.0 acres prior to the sale to S&S AgriSource Holding LLC.

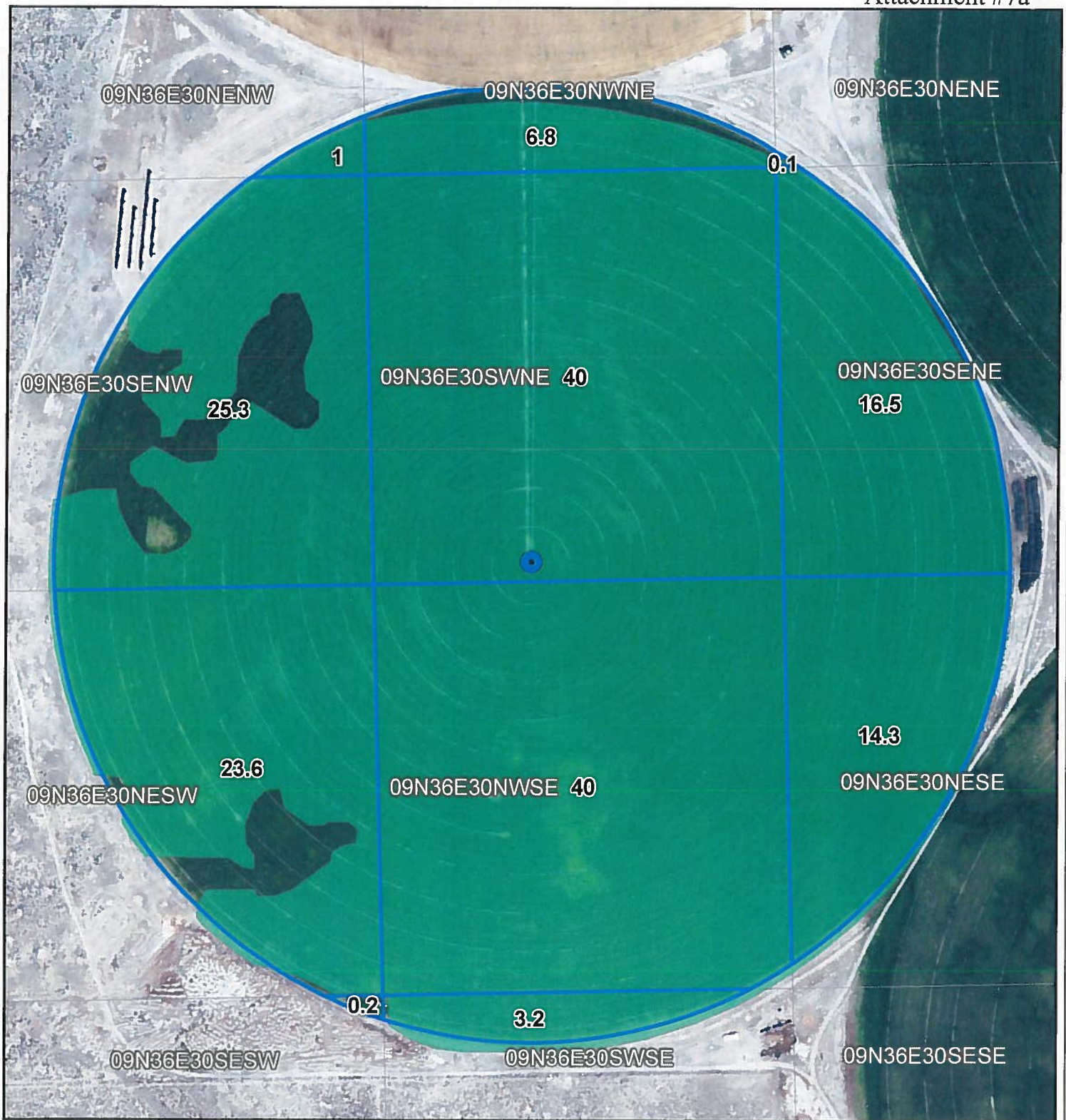
S&S AgriSource Holding LLC also agrees to allow Richard and Peggy Larsen to transfer the necessary amount of water from pivot #168 owned by Richard & Peggy Larsen to the irrigation pump and point of diversion located on pivot #166 in Section 35 of township 10N range 34E and the NESWSE quarter quarter, required to fill water right on pivot #167, which shares the pump owned by S&S AgriSource Holding LLC.

S&S AgriSource Holding LLC also grants Richard and Peggy Larsen all necessary access to the irrigation pump and point of diversion located on pivot #166 in Section 35 of township 10N range 34E and the NESWSE quarter quarter for the purpose of operating and properly maintaining pivot #167, which shares said pump.

Sincerely,
Richard Larsen

Authorized by: 
S & S AgriSource Holding, LLC
Company Title: CEO
Date: 6-8-17

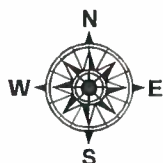
Prepared by Mitch Tarpley
Maintenance Supervisor
of Richard and Chad Larsen Farms



2015 Aerial Photography

Legend

-  WR POD 31-7052B
-  Twp & Rng
-  Proposed POU
-  Section
-  WRPOU 31-7052B
-  QQ



Application for Transfer

Richard and Peggy Larsen

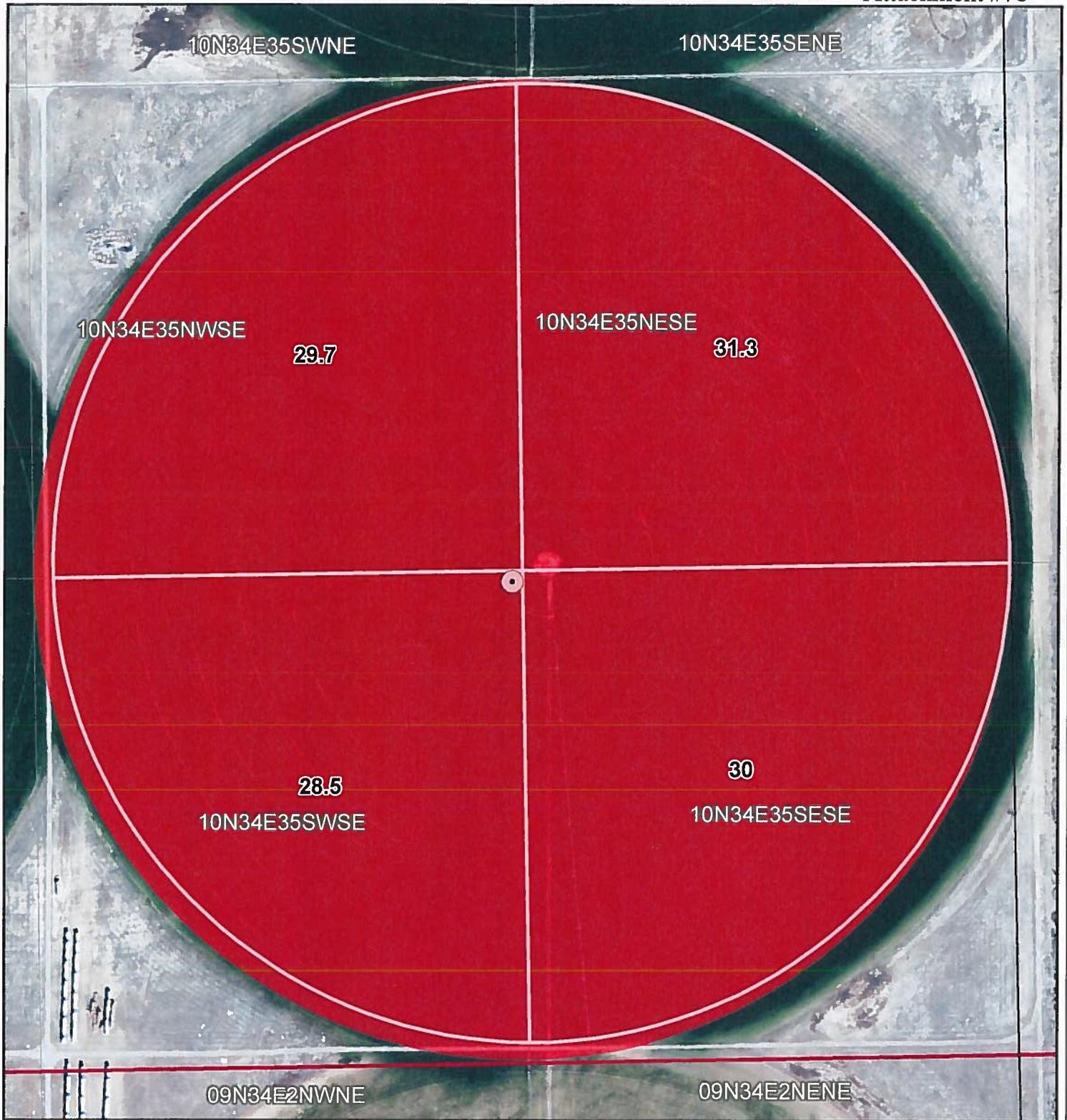
RMEA #17-0030

by: KM

September 7, 2017



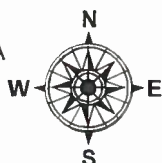
81930



2015 Aerial Photography

Legend

-  WR POD 32-2096B & 32-7034A
-  WR POU 32-2096B & 32-7034A
-  Proposed POU Remaining
-  Twp & Rng
-  Section
-  QQ



Application for Transfer

Richard and Peggy Larsen

RMEA #17-0030

by: KM

September 7, 2017



81930

Eastern Snake Plain Aquifer Modeling Analysis

The Applicant proposes to transfer 8 acres or 28 AFA from a well in ESPAM Cell Row 24 Column 167 to a well in Row 32 Column 171. Using ESPAM 2.1 to simulate the depletions of transferring 28 AFA (9.3 AF/trimester) from the original point of diversion of 32-2096B and 32-7034A to the proposed point of diversion, the affects do not exceed the threshold of 2.0 af/trimester. No mitigation is required.

Figures 1-3 include excerpts from the ESPAM 2.1 simulation.

Figure 1. Data Entry

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are set up for user entries

ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON
 YEAR: 1955
 SEASON: SPRING

TRANSFER NO.:
 TRANSFER NAME: Larsen 166 to 224

UPDATE DATES

RUN MODEL

GET OUTPUT

CALCULATE EFFECTS

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	32	24	75	45
COLUMN	171	167	105	30

TRIMESTER OF ACTIVITY	TO WELL		FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	
SPR 1955	0	4	4	0	0	0	0	
SUM 1955	0	4	4	0	0	0	0	
WIN 1955	0	4	4	0	0	0	0	
SPR 1956	0	4	4	0	0	0	0	
SUM 1956	0	4	4	0	0	0	0	
WIN 1956	0	4	4	0	0	0	0	
SPR 1957	0	4	4	0	0	0	0	
SUM 1957	0	4	4	0	0	0	0	
WIN 1957	0	4	4	0	0	0	0	
WIN 1993	0	4	4	0	0	0	0	
SPR 1994	0	4	4	0	0	0	0	
SUM 1994	0	4	4	0	0	0	0	
WIN 1994	0	4	4	0	0	0	0	
SPR 1995	0	4	4	0	0	0	0	
SUM 1995	0	4	4	0	0	0	0	
WIN 1995	0	9	9	0	0	0	0	
SPR 1996	0	9	9	0	0	0	0	
SUM 1996	0	9	9	0	0	0	0	
WIN 1996	0	9	9	0	0	0	0	
SPR 1997	0	9	9	0	0	0	0	
SPR 2016	0	9	9	0	0	0	0	
SUM 2016	0	9	9	0	0	0	0	
WIN 2016	0	9	9	0	0	0	0	
SPR 2017	0	9	9	0	0	0	0	
SUM 2017	9	0	9	0	0	0	0	
WIN 2017	9	0	9	0	0	0	0	
SPR 2018	9	0	9	0	0	0	0	
SUM 2018	9	0	9	0	0	0	0	
WIN 2018	9	0	9	0	0	0	0	
SPR 2019	9	0	9	0	0	0	0	
SUM 2019	9	0	9	0	0	0	0	
WIN 2019	9	0	9	0	0	0	0	
SUM 2103	9	0	9	0	0	0	0	
WIN 2103	9	0	9	0	0	0	0	
SPR 2104	9	0	9	0	0	0	0	
SUM 2104	9	0	9	0	0	0	0	
WIN 2104	9	0	9	0	0	0	0	

Figure 2. Net Transfer Graphs

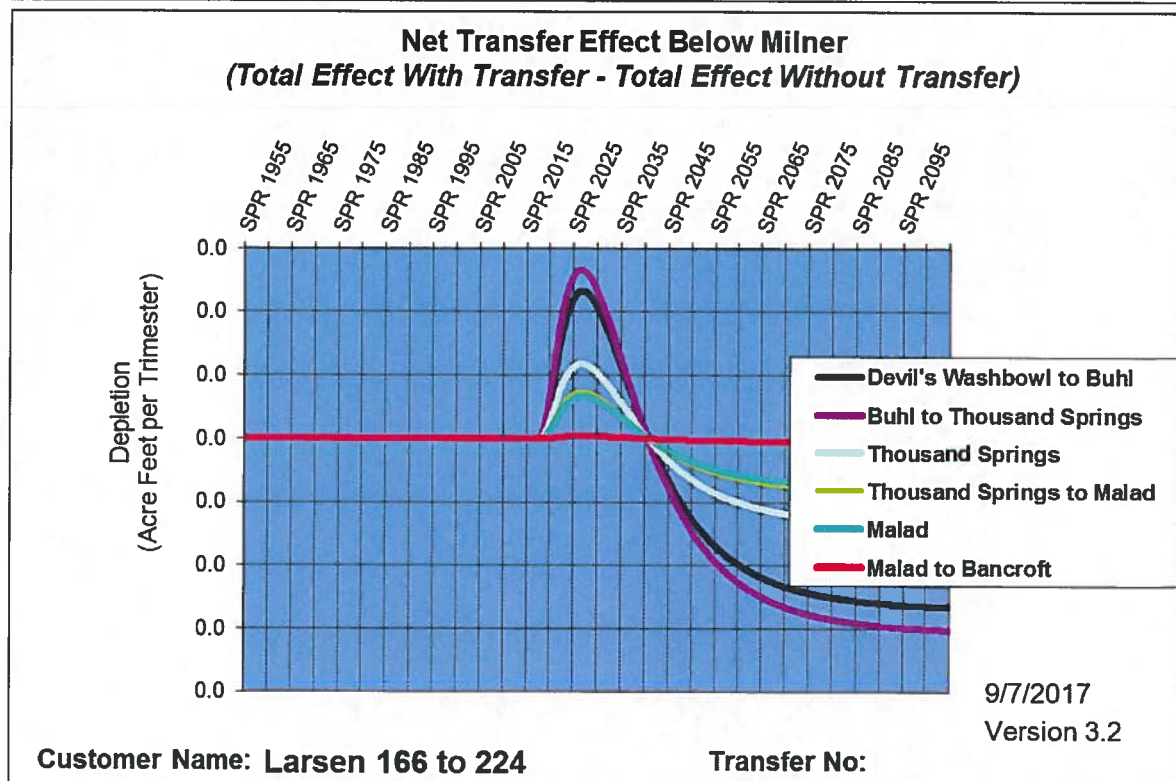
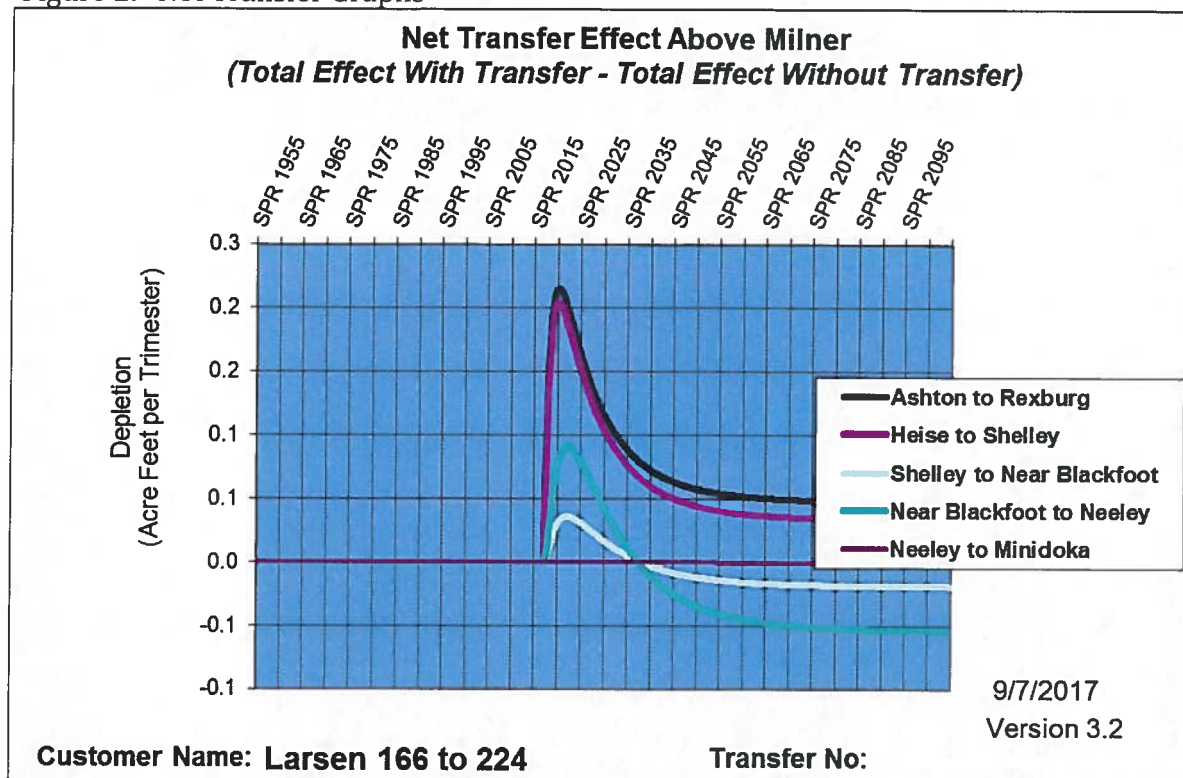


Figure 3. Calculated Effects.

	Net Transfer Effect (AF/four months)										
	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft Neeley	Neeley to Minidoka	Dev. Wbl. Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft
SPR 1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2017	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2017	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2018	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2018	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2018	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2019	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2019	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2019	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2020	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2020	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2020	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2021	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2021	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2021	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2022	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2022	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2022	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2023	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2023	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2023	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2102	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2102	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2102	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2103	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2103	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2103	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2104	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2104	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2104	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Enter First Time Step of Transfer: SPR 1955													
Match:	1	Match:	456										
	AtR	HtS	StNB	NBtN	NtM	DWtB	BtTS	TS	TStM	M	MtB	Total	
Preexisting Effects @ SS (Last Time Step):	3.12	2.97	0.83	2.17	0.01	0.04	0.05	0.02	0.01	0.01	0.00	9.25	Total Effect
dy State - Value of Dep. @ Last Time Step:	3.17	3.00	0.81	2.12	0.01	0.04	0.05	0.02	0.01	0.01	0.00	9.25	Total Effect
ts @ Transient State (Max Value Timestep):	3.12	2.97	0.83	2.17	0.01	0.04	0.05	0.02	0.01	0.01	0.00	9.25	Total Effect
nt State - Max. Value of Dep. After Transfer:	3.18	3.03	0.81	2.12	0.01	0.04	0.05	0.02	0.01	0.01	0.00	9.29	Total Effect
Steady State Change:	0.05	0.03	-0.02	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Transient State Change:	0.06	0.06	-0.02	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00		