

MAY 15 2012

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 77952

DEPT. OF WATER RESOURCES
SOUTHERN REGION**MINIMUM REQUIREMENTS CHECKLIST**
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

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 <http://www.idwr.idaho.gov/>.

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 #1-9.

- ☒ ☐ #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 transfer 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).
- ☐ ☒ #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 <http://www.idwr.idaho.gov/water/rights/>.
- ☐ ☒ #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.
- ☐ ☒ #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.)
- ☐ ☒ #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 Other. Please describe: _____

RECEIVEDSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. _____

**MAY 15 2012 APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1**DEPT. OF WATER RESOURCES
SOUTHERN REGIONName of Applicant(s) Horizon Organic Dairy LLCPhone 208-438-8450Mailing address 2577 East 500 South Paul, Idaho 83347

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 RepresentativeName of Representative Greg Sullivan of Brockway EngineeringPhone 208-736-8543Mailing address 2016 North Washington Street, Suite 4 Twin Falls Idaho 83301Email greg.sullivan@brockwayeng.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.

Horizon Organic Dairy, LLC by
Robert E. Williams agent in fact
 Signature of Applicant or Authorized Representative

Robert E. Williams 5/10/12
 Print Name and Title if applicable Date

Signature of Applicant or Authorized Representative

Print Name and Title if applicable

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. Create a permissible place of use for existing water rights and correctly identify the points of diversions and the place of use for all water rights involved in this transfer application.**

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**APPLICATION FOR TRANSFER OF WATER RIGHT**
PART 1 Continued

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DEPT. OF WATER RESOURCES
SOUTHERN REGION**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					
☒ ☐	36-16049	4.8/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16051	0.54/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16053	1.38/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16055	4.12/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-8402	0.84/	Irrigation	4/01 to 10/31	Ground Water
☒ ☐	36-2430	3.5/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-8008	0.84/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16045	1.95/173.7	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16047	3.0/589.2	Irrigation	3/15 to 11/15	Ground Water

Total authorized under rights 18.08 cfs and/or _____ ac-ft2. Total amount of water proposed to be transferred or changed 18.08 cubic feet per second and/or _____ acre-feet per annum.

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 #
			NE	NE	17	09S	21E	Jerome	Ground Water	
			NE	SE	20	09S	21E	Jerome	Ground Water	
			SE	SE	16	09S	21E	Jerome	Ground Water	
			NW	SE	18	09S	21E	Jerome	Ground Water	

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	
09S	21E	16	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		17	40		40	40			40	40	40	40		40	40	40	40	40	480
		18									40			40	40	40	40		200
		20	40			40					40				40	40			200

Total Acres (for irrigation use) 1520

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DEPT. OF WATER RESOURCES
SOUTHERN REGION

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 ☒ ☐	36-16049	4.8/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16051	0.54/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16053	1.38/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16055	4.12/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-8402	0.84/	Irrigation	4/01 to 10/31	Ground Water
☒ ☐	36-2430	3.5/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-8008	0.84/	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16045	1.95/173.7	Irrigation	3/15 to 11/15	Ground Water
☒ ☐	36-16047	3.0/689.2	Irrigation	3/15 to 11/15	Ground Water

Total authorized under rights 18.08 cfs and/or ac-ft

2. Total amount of water proposed to be transferred or changed 18.08 cubic feet per second and/or acre-feet per annum.

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 #
		NW	SE	NE	17	09S	21E	Jerome	Ground Water	
		NW	NE	SE	20	09S	21E	Jerome	Ground Water	
		NE	SE	SE	16	09S	21E	Jerome	Ground Water	
		NE	NW	SE	18	09S	21E	Jerome	Ground Water	

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	
09S	21E	16	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		17	40		40	40			40	40	40	40		40	40	40	40	40	480
		18									40			40	40	40	40		200
		20	40			40					40				40	40			200

Total Acres (for irrigation use) 1520

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 wells, pumps, piping, pivots and handlines

- b. Who owns the property at the point(s) of diversion? Horizon Organic Dairy
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: N/A

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. Describe the effect on the land now irrigated if the place or purpose of use is changed pursuant to this transfer: _____
Irrigation will continue under existing pivots and handlines

- e. 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: None

- f. 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: Portions of 36-8402, 36-2430 and 36-8008 are lease to the Idaho Water Supply Bank.

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

Current Water Right No.: 36-16049

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 11/20/1956

Origin: Water Right

Status: Active

Basis: Decreed

Source

Tributary

GROUND WATER

Beneficial Use

From To

Diversion Rate

Annual Volume

IRRIGATION

03/15 to 11/15

4.8 CFS

Total Diversion

4.8 CFS

Location of Point(s) of Diversion

GROUND WATER

NW1/4NE1/4SE1/4

Sec. 20, Twp 09S, Rge 21E B.M.

JEROME County

GROUND WATER

NW1/4SE1/4NE1/4

Sec. 17, Twp 09S, Rge 21E B.M.

JEROME County

Place of Use

IRRIGATION Within JEROME County

T09S R21E S16	NWNE	32.00	T09S R21E S16	SWNE	22.00
T09S R21E S16	SENE	24.00	T09S R21E S16	NENW	29.00
T09S R21E S16	NWNW	36.00	T09S R21E S16	SWNW	38.00
T09S R21E S16	SENW	25.00	T09S R21E S17	SWNE	2.00
T09S R21E S17	SENW	40.00	T09S R21E S17	NESW	21.40
T09S R21E S17	NWSE	12.20	T09S R21E S17	SESE	39.00
T09S R21E S20	NENE	26.00	T09S R21E S20	SWNE	25.00
T09S R21E S20	SENE	31.00	T09S R21E S20	SENW	14.00
T09S R21E S20	NESW	29.00	T09S R21E S20	NESE	39.00
T09S R21E S20	NWSE	38.00			

Total Acres: 522.6

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Conditions of Approval:

1. X36 Rights 36-16049, 36-16051, 36-16053 and 36-16055 are diverted through the point(s) of diversion described above.
2. X27 This right is limited to the irrigation of 282.7 acres within the place of use described above in a single irrigation season.
3. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.
4. X35 Rights 36-16049, 36-16051, 36-16053 and 36-16055 when combined shall not exceed a total diversion rate of 10.39 cfs, a total annual maximum diversion volume of 2090.4 af at the field headgate, and the irrigation of 522.6 acres.

Decreed Date: 8/27/2001

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

Current Water Right No.: 36-16051

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 2/20/1959

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	03/15 to 11/15	0.54 CFS	
	<u>Total Diversion</u>	0.54 CFS	

Location of Point(s) of Diversion

GROUND WATER	NW1/4SE1/4NE1/4	Sec. 17, Twp 09S, Rge 21E B.M.
JEROME County		
GROUND WATER	NW1/4NE1/4SE1/4	Sec. 20, Twp 09S, Rge 21E B.M.
JEROME County		

Place of Use

IRRIGATION Within JEROME County

T09S R21E S16	NWNE	32.00	T09S R21E S16	SWNE	22.00
T09S R21E S16	SENE	24.00	T09S R21E S16	NENW	29.00
T09S R21E S16	NWNW	36.00	T09S R21E S16	SWNW	38.00
T09S R21E S16	SENE	25.00	T09S R21E S17	SWNE	2.00
T09S R21E S17	SENE	40.00	T09S R21E S17	NESW	21.40
T09S R21E S17	NWSE	12.20	T09S R21E S17	SESE	39.00
T09S R21E S20	NENE	26.00	T09S R21E S20	SWNE	25.00
T09S R21E S20	SENE	31.00	T09S R21E S20	SENE	14.00
T09S R21E S20	NESW	29.00	T09S R21E S20	NESE	39.00
T09S R21E S20	NWSE	38.00			

Total Acres: 522.6

Conditions of Approval:

1. X35 Rights 36-16049, 36-16051, 36-16053 and 36-16055 when combined shall not exceed a total diversion rate of 10.39 cfs, a total annual maximum diversion volume of 2090.4 af at the field headgate, and the irrigation of 522.6 acres.
2. X27 This right is limited to the irrigation of 36.2 acres within the place of use described above in a single irrigation season.
3. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.
4. X36 Rights 36-16049, 36-16051, 36-16053 and 36-16055 are diverted through the point(s) of diversion described above.

Decreed Date: 8/27/2001

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

Current Water Right No.: 36-16053

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 7/16/1973

Origin: Water Right

Status: Active

Basis: Decreed

Source

Tributary

GROUND WATER

Beneficial Use

From To

Diversion Rate

Annual Volume

IRRIGATION

03/15 to 11/15

1.38 CFS

Total Diversion

1.38 CFS

Location of Point(s) of Diversion

GROUND WATER

NW1/4NE1/4SE1/4

Sec. 20, Twp 09S, Rge 21E B.M.

JEROME County

GROUND WATER

NW1/4SE1/4NE1/4

Sec. 17, Twp 09S, Rge 21E B.M.

JEROME County

Place of Use

IRRIGATION Within JEROME County

T09S R21E S16	NWNE	32.00	T09S R21E S16	SWNE	22.00
T09S R21E S16	SENE	24.00	T09S R21E S16	NENW	29.00
T09S R21E S16	NWNW	36.00	T09S R21E S16	SWNW	38.00
T09S R21E S16	SENE	25.00	T09S R21E S17	SWNE	2.00
T09S R21E S17	SENE	40.00	T09S R21E S17	NESW	21.40
T09S R21E S17	NWSE	12.20	T09S R21E S17	SESE	39.00
T09S R21E S20	NENE	26.00	T09S R21E S20	SWNE	25.00
T09S R21E S20	SENE	31.00	T09S R21E S20	SENE	14.00
T09S R21E S20	NESW	29.00	T09S R21E S20	NESE	39.00
T09S R21E S20	NWSE	38.00			

Total Acres: 522.6

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Conditions of Approval:

1. X35 Rights 36-16049, 36-16051, 36-16053 and 36-16055 when combined shall not exceed a total diversion rate of 10.39 cfs, a total annual maximum diversion volume of 2090.4 af at the field headgate, and the irrigation of 522.6 acres.
2. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.
3. X36 Rights 36-16049, 36-16051, 36-16053 and 36-16055 are diverted through the point(s) of diversion described above.
4. X27 This right is limited to the irrigation of 164.9 acres within the place of use described above in a single irrigation season.

Decreed Date: 8/27/2001

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

Current Water Right No.: 36-16055

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 12/8/1981

Origin: Water Right

Status: Active

Basis: Decreed

Source

Tributary

GROUND WATER

Beneficial Use

From To

Diversion Rate

Annual Volume

IRRIGATION

03/15 to 11/15

4.12 CFS

Total Diversion

4.12 CFS

Location of Point(s) of Diversion

GROUND WATER

NW1/4SE1/4NE1/4

Sec. 17, Twp 09S, Rge 21E B.M.

JEROME County

GROUND WATER

NW1/4NE1/4SE1/4

Sec. 20, Twp 09S, Rge 21E B.M.

JEROME County

Place of Use

IRRIGATION Within JEROME County

T09S R21E S16	NWNE	32.00	T09S R21E S16	SWNE	22.00
T09S R21E S16	SENE	24.00	T09S R21E S16	NENW	29.00
T09S R21E S16	NWNW	36.00	T09S R21E S16	SWNW	38.00
T09S R21E S16	SENE	25.00	T09S R21E S17	SWNE	2.00
T09S R21E S17	SENE	40.00	T09S R21E S17	NESW	21.40
T09S R21E S17	NWSE	12.20	T09S R21E S17	SESE	39.00
T09S R21E S20	NENE	26.00	T09S R21E S20	SWNE	25.00
T09S R21E S20	SENE	31.00	T09S R21E S20	SENE	14.00
T09S R21E S20	NESW	29.00	T09S R21E S20	NESE	39.00
T09S R21E S20	NWSE	38.00			

Total Acres: 522.6

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Conditions of Approval:

1. M11 A measuring device or access port for installation of a measuring device of a type approved by IDWR shall be maintained as part of the diverting works.
2. X35 Rights 36-16049, 36-16051, 36-16053 and 36-16055 when combined shall not exceed a total diversion rate of 10.39 cfs, a total annual maximum diversion volume of 2090.4 af at the field headgate, and the irrigation of 522.6 acres.
3. X36 Rights 36-16049, 36-16051, 36-16053 and 36-16055 are diverted through the point(s) of diversion described above.
4. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.

Decreed Date: 8/27/2001

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

Current Water Right No.: 36-2430

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 4/21/1960

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	3/15 to 11/15	3.5 CFS	
	<u>Total Diversion</u>	3.5 CFS	

Location of Point(s) of Diversion

GROUND WATER	NE1/4SE1/4SE1/4	Sec. 16,	Twp 09S,	Rge 21E B.M.
JEROME County				

Place of Use

IRRIGATION Within JEROME County

T09S R21E S16	NESW	40.00	T09S R21E S16	NWSW	40.00
T09S R21E S16	SWSW	39.00	T09S R21E S16	SESW	39.00
T09S R21E S16	NESE	39.00	T09S R21E S16	NWSE	40.00
T09S R21E S16	SWSE	39.00	T09S R21E S16	SESE	38.00

Total Acres: 314

Conditions of Approval:

1. USE OF RIGHT NOS. 36-02430 AND 36-08008 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 314 ACRES IN A SINGLE IRRIGATION SEASON.
2. USE OF RIGHT NOS 36-02430 AND 36-08008 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.34 CFS AND A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1256 AF.
3. RIGHT NOS. 36-02430 AND 36-08008 ARE DIVERTED THROUGH THE POINT OF DIVERSION DESCRIBED ABOVE.
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.

Page 15 of 21

Decreed Date: 8/27/2001

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

Current Water Right No.: 36-8008

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 12/8/1981

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	3/15 to 11/15	0.84 CFS	
	<u>Total Diversion</u>	0.84 CFS	

Location of Point(s) of Diversion

GROUND WATER

NE1/4SE1/4SE1/4

Sec. 16, Twp 09S, Rge 21E B.M.

JEROME County

Place of Use

IRRIGATION Within JEROME County

T09S R21E S16	NESW	40.00	T09S R21E S16	NWSW	40.00
T09S R21E S16	SWSW	39.00	T09S R21E S16	SESW	39.00
T09S R21E S16	NESE	39.00	T09S R21E S16	NWSE	40.00
T09S R21E S16	SWSE	39.00	T09S R21E S16	SESE	38.00

Total Acres: 314

Conditions of Approval:

1. USE OF RIGHT NOS. 36-02430 AND 36-08008 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 314 ACRES IN A SINGLE IRRIGATION SEASON.
2. RIGHT NOS. 36-02430 AND 36-08008 ARE DIVERTED THROUGH THE POINT OF DIVERSION DESCRIBED ABOVE.
3. 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.
4. USE OF RIGHT NOS 36-02430 AND 36-08008 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.34 CFS AND A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1256 AF.

Page 17 of 21

Decreed Date: 8/27/2001

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

Current Water Right No.: 36-16045

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 10/19/1981

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	03/15 to 11/15	1.95 CFS	173.7 AF
	<u>Total Diversion</u>	1.95 CFS	173.7 AF

Location of Point(s) of Diversion

GROUND WATER

NE1/4NW1/4SE1/4

Sec. 18, Twp 09S, Rge 21E B.M.

JEROME County

Place of Use

IRRIGATION Within JEROME County

T09S R21E S17	SWNW	34.00	T09S R21E S17	NWSW	32.00
T09S R21E S17	SWSW	1.00	T09S R21E S18	NESW	40.00
T09S R21E S18	SESW	15.00	T09S R21E S18	NESE	27.00
T09S R21E S18	NWSE	24.00	T09S R21E S18	SWSE	6.00
T09S R21E S18	SESE	3.00			

Total Acres: 182

Conditions of Approval:

1. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.
2. X36 Rights 36-16047 and 36-16045 are diverted through the point(s) of diversion described above.
3. X35 Rights 36-16047 and 36-16045 when combined shall not exceed a total diversion rate of 3.35 cfs, a total annual maximum diversion volume of 728.0 af at the field headgate, and the irrigation of 182 acres.

Decreed Date: 12/13/2001

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

Current Water Right No.: 36-16047

Current Owner: HORIZON ORGANIC DAIRY LLC

Priority Date: 5/11/1957

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	03/15 to 11/15	3 CFS	689.2 AF
	<u>Total Diversion</u>	3 CFS	689.2 AF

Location of Point(s) of Diversion

GROUND WATER NE1/4NW1/4SE1/4 Sec. 18, Twp 09S, Rge 21E B.M.
JEROME County

Place of Use

IRRIGATION Within JEROME County

T09S R21E S17	SWNW	34.00	T09S R21E S17	NWSW	32.00
T09S R21E S17	SWSW	1.00	T09S R21E S18	NESW	40.00
T09S R21E S18	SESW	15.00	T09S R21E S18	NESE	27.00
T09S R21E S18	NWSE	24.00	T09S R21E S18	SWSE	6.00
T09S R21E S18	SESE	3.00			

Total Acres: 182

Conditions of Approval:

1. X27 This right is limited to the irrigation of 172.3 acres within the place of use described above in a single irrigation season.
2. X36 Rights 36-16047 and 36-16045 are diverted through the point(s) of diversion described above.
3. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.
4. X35 Rights 36-16047 and 36-16045 when combined shall not exceed a total diversion rate of 3.35 cfs, a total annual maximum diversion volume of 728.0 af at the field headgate, and the irrigation of 182 acres.

Decreed Date: 12/13/2000

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 2

A. DESCRIPTION OF RIGHT(S) AS RECORDED

For each water right listed in Part 1B.1 of the application, attach a **Part 2A** report obtained from any Department office or from the Department's website @ <http://www.idwr.idaho.gov/> , Water Right Transfers, Step 1.
Insert Part 2A reports into the application following Part 1.

B. IF ONLY A PORTION OF THE RIGHT IS PROPOSED TO BE CHANGED, DESCRIBE THE PORTION BEING CHANGED AS IT APPEARS BEFORE THE REQUESTED CHANGES

- ☐ Complete and attach one copy of Part 2B for each right for which only a portion is proposed to be changed. If the entire right is proposed to be changed, Part 2B is not applicable. Additional copies of the **Part 2B** form can be obtained from any Department office or from the Department's website @ <http://www.idwr.idaho.gov/> , Water Right Transfers, Step 3, or Water Right Forms, Changes in Use. Insert completed Part 2B forms into the application following Part 2A of the same water right.

Right Number: _____

- [illegible]

2. Lands irrigated or place of use: (If irrigation, identify with number of acres irrigated per $\frac{1}{4}$ $\frac{1}{4}$ tract.)

[illegible]

Total Acres (for irrigation use) _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 3

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

- ☐ Attach a map of the diversion, measurement, control, and distribution system. Label it **Attachment #7a**.
- ☐ 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. Label it **Attachment #7b**. 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.

B. CHANGES IN NATURE OF USE (Water Balance)

- ☐ 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**.

C. PLACE OF USE CHANGES TO SUPPLEMENTAL IRRIGATION RIGHTS

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

1. 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.:

[illegible]**FOR DEPARTMENT USE ONLY**

Transfer contains 21 pages and 0 attachments.

Received by _____ Date 5-15-2012 Prelim. Check by _____ Date _____

Fee Paid \$1,940- Date 5-5-202 Received by JJR Receipt # 5032577

Add'l Fee Paid	Date	Received by	Receipt #
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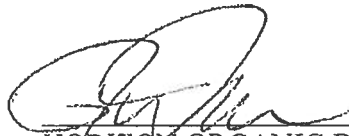
No. W 53074	Due no later than Jul 31, 2011 Annual Report Form		2. Registered Agent and Address (NO PO BOX)			
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE	1. Mailing Address: Correct in this box if needed. HORIZON ORGANIC DAIRY, LLC ANNETTE HUDSON 2711 NORTH HASKELL AVENUE SUITE 3400 DALLAS TX 75204	CT CORPORATION SYSTEM 1111 W JEFFERSON STE 530 BOISE ID 83702 USA				
		3. <u>New</u> Registered Agent Signature:*				
4. Limited Liability Companies: Enter Names and Addresses of at least one Member or Manager.						
Office Held	Name	Street or PO Address	City	State	Country	Postal Code
MANAGER	RACHEL A GONZALEZ	2711 NORTH HASKELL AVENUE SUITE 3400	DALLAS	TX	USA	75204
5. Organized Under the Laws of:		6. Annual Report must be signed.*				
DE W 53074		Signature: Shannon D. Luton		Date: 06/15/2011		
		Name (type or print): Shannon D. Luton		Title: Vice President		
Processed 06/15/2011		* Electronically provided signatures are accepted as original signatures.				

SPECIAL POWER OF ATTORNEY

HORIZON ORGANIC DAIRY, LLC, a Delaware limited liability company, qualified to do business in the State of Idaho, hereby appoints **ROBERT E. WILLIAMS**, 153 East Main Street, Jerome, Idaho 83338, its true and lawful attorney for it in its name, place and stead, and on its behalf to do any or all of the following acts, deeds and things.

1. To execute on behalf of Horizon Organic Dairy, LLC, any or all of the following:
 - A. Application for Transfer of Water Rights 36-2248, 36-2249 and 36-7688 before the State of Idaho, Department of Water Resources;
 - B. Application for Transfer of Water Rights 36-16049, 36-16051, 36-16053, 36-16055, 36-8402, 36-2430, 36-8008, 36-16045 and 36-16047, before the State of Idaho, Department of Water Resources;
 - C. Application for Transfer of Water Rights 36-2254A, 36-2284 and 36-8401, before the State of Idaho, Department of Water Resources;
 - D. Any other documents useful or necessary to process the applications above specifically named with the Idaho Department of Water Resources.

IN WITNESS WHEREOF, I have hereunto set my hand at Broomfield, Colorado, this 9th day of May, 2012.



HORIZON ORGANIC DAIRY, LLC, by its Sole Member, White Wave Foods Company, through ROGER THEODOREDIS, Senior Vice President and Division General Counsel

STATE OF COLORADO)
County of Broomfield) :ss

On this 9th day of May, 2012, before me, the undersigned, a Notary Public in and for said County and State, personally appeared ROGER THEODOREDIS, Senior Vice President and Division General Counsel of White Wave Foods Company, Sole Member of HORIZON ORGANIC DAIRY, LLC, known to me to be Vice President and Division General Counsel of the company and the person whose name is subscribed to the within and foregoing instrument, and who acknowledged to me that he executed the same in such capacities on behalf of Horizon Organic Dairy, LLC.

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



Debbie K. Smith
NOTARY PUBLIC for Colorado
Residing at: *Frederick, Colorado*
Commission Expires: *3/14/10*

SPECIAL POWER OF ATTORNEY

HORIZON ORGANIC DAIRY, LLC, a Delaware limited liability company, qualified to do business in the state of Idaho, hereby appoints ROBERT E. WILLIAMS, 153 East Main, Jerome, Idaho 83338, to be its true and lawful attorney for it, in its name, place and stead, and on its behalf, to do any or all of the following acts, deeds and things:

1. **SPECIFIC POWERS:** To execute on behalf of HORIZON ORGANIC DAIRY, LLC, any or all of the following:

- (a) Notice of Change of Water Right Ownership before the State of Idaho, Department of Water Resources, for Water Right No. 36-8402;
- (b) Application to Rent Water from the Water Supply Bank, State of Idaho Water Resource Board, at a maximum flow rate of 1.15 cfs in maximum volume of 229.28 cfs, with point of diversion within Township 9 South, Range 21 EBM, Jerome County, Idaho, Sections 17, 20 and 27 and with a proposed place of use within Township 9 South, Range 21 EBM, Jerome County, Idaho, Sections 17 and 34;
- (c) Application to Sell or Lease a Water Right to the Water Supply Bank, State of Idaho Water Resource Board, for Water Right No. 36-2430;
- (d) Application to Sell or Lease a Water Right to the Water Supply Bank, State of Idaho Water Resource Board, for Water Right No. 36-8008;
- (e) Application to Sell or Lease a Water Right to the Water Supply Bank, State of Idaho Water Resource Board, for Water Right No. 36-8402;
- (f) Application to Sell or Lease a Water Right to the Water Supply Bank, State of Idaho Water Resource Board, for Water Right No. 36-2254A;
- (g) Application to Sell or Lease a Water Right to the Water Supply Bank, State of Idaho Water Resource Board, for Water Right No. 36-2284;
- (h) Water Supply Bank Request to Release or Lease Term Extension Form, State of Idaho Water Resource Board for Water Right No. 36-2430;
- (i) Water Supply Bank Request to Release or Lease Term Extension Form, State of Idaho Water Resource Board for Water Right No. 36-8008,
- (j) Water Supply Bank Request to Release or Lease Term Extension Form, State of Idaho Water Resource Board for Water Right No. 36-8402;
- (k) Water Supply Bank Request to Release or Lease Term Extension Form, State of Idaho Water Resource Board for Water Right No. 36-2284;

- (l) Water Supply Bank Request to Release or Lease Term Extension Form, State of Idaho Water Resource Board for Water Right No. 36-2254A;
- (m) Any other documents useful or necessary to process the documents above specifically named with the Idaho Department of Water Resources or the State of Idaho Water Resource Board.

IN WITNESS WHEREOF, I have hereunto set my hand at Broomfield,
Colorado, this 10th day of June, 2011.



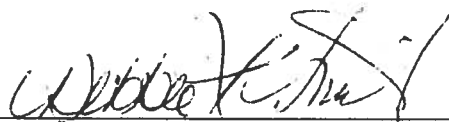
HORIZON ORGANIC DAIRY, LLC, by its Sole
Member, White Wave Foods Company, through
ROGER THEODOREDIS, Senior Vice President
and Division General Counsel

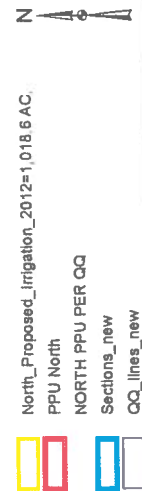
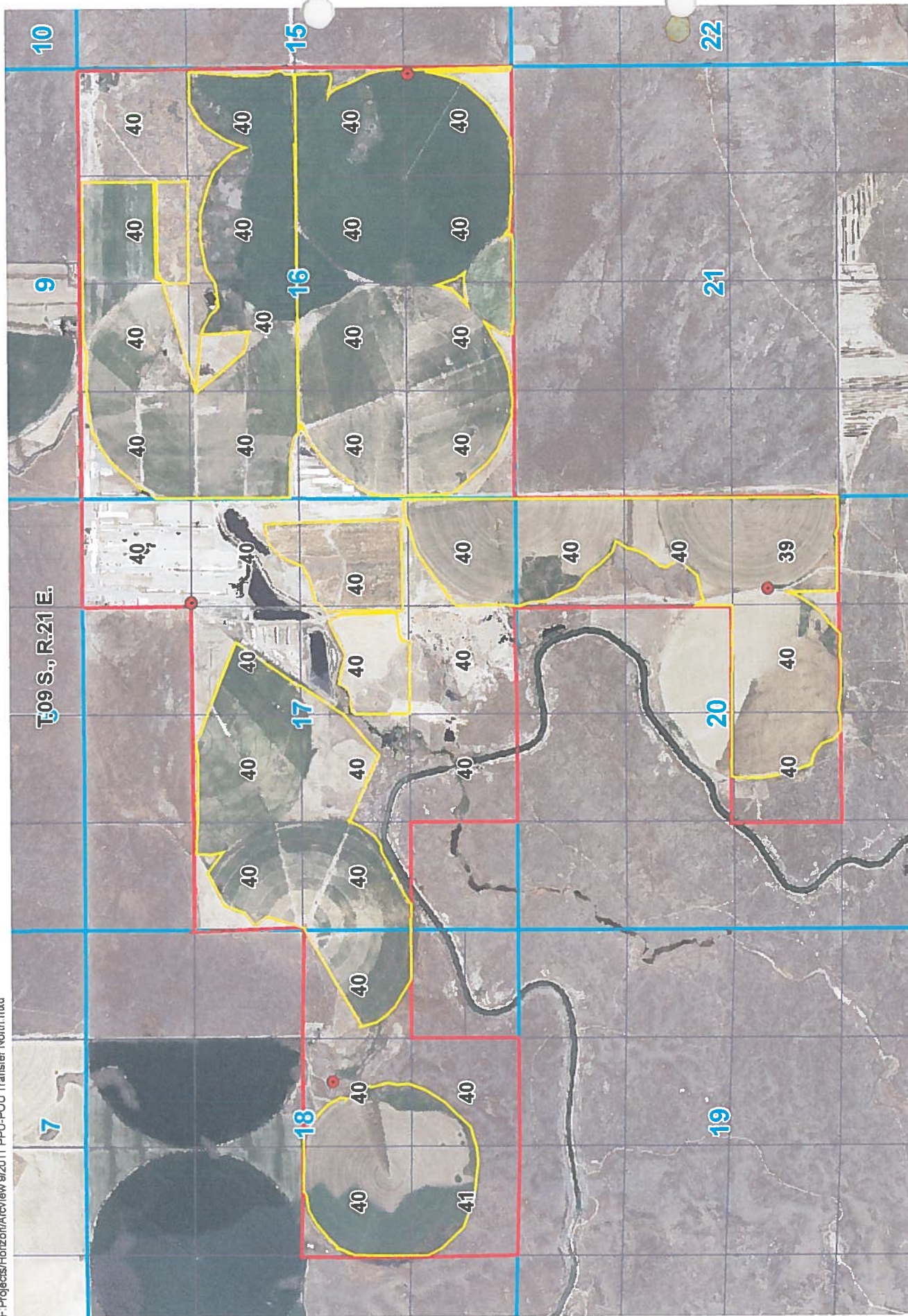
STATE OF COLORADO)
County of Broomfield):SS

On this 10th day of June, 2011, before me, the undersigned, a Notary Public in and for said County and State, personally appeared ROGER THEODOREDIS, Senior Vice President and Division General Counsel of White Wave Foods Company, Sole Member of HORIZON ORGANIC DAIRY, LLC, known to me to be Vice President and Division General Counsel of the company and the person whose name is subscribed to the within and foregoing instrument, and who acknowledged to me that he executed the same in such capacities on behalf of Horizon Organic Dairy, LLC.

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




NOTARY PUBLIC for Colorado
Residing at: 3525 Glenwood Rd, Frederick Co
Commission Expires: 3/14/12



HORIZON ORGANIC DAIRY PLLC.
2011, PPU Transfer North
NAIP 2009 AERIAL



LAND TITLE AND ESCROW, INC.

To: **Williams, Meservy & Lothspeich, LLP**
Attn: **Monica**

Land Title and Escrow Inc. is pleased to furnish, pursuant to your request, photo copies of the following documents that appear of record in **Jerome County, Idaho**:

Corporation Warranty Deed #982905 (See Parcel No. 5)

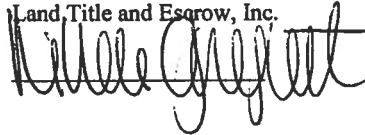
These are furnished to you by your identification and at your request. They are not based upon any independent examination of any tract indexes or other public records by Land Title and Escrow Inc. representatives or employees.

How the documents are used or relied upon is not the responsibility of Land Title and Escrow Inc. No charge has been made for the documents and Land Title and Escrow Inc. does not know for what purpose or how the documents may be used or relied upon.

Land Title and Escrow Inc. would welcome being of service to you in issuing one of its regular title products should you, any person, or entity desire to order an appropriate product.

Dated **14th of June, 2011**.

Land, Title and Escrow, Inc.



cc: To File

CORPORATION WARRANTY DEED

For Value Received AURORA DAIRY CORPORATION OF IDAHO, A Colorado corporation, the Grantor, grants, bargains, sells, and conveys to HORIZON ORGANIC DAIRY, IDAHO PAK INC., a corporation, the Grantee, of 5311 HORIZON LN, LONGMONT CO 80503, the real property described on Schedule A as: Parcels No. 1 through No. 10 except the real property described on Exhibit B and the real property described on Exhibit C.

TO HAVE AND TO HOLD the premises, with their appurtenances to the Grantee and its assigns forever. The Grantor covenants to and with the Grantee, that the Grantor is the owner in fee simple of the premises; that they are free from all encumbrances except liens of record and that the Grantor will warrant and defend the same from all lawful claims whatsoever.

IN WITNESS WHEREOF, The Grantor, pursuant to a resolution of its Board of Directors has caused its corporate name to be subscribed by its president and attested to by its Secretary on
May 1, 1998.

AURORA DAIRY CORPORATION OF IDAHO,
a Colorado corporation

By: *[Signature]*
PRESIDENT

ATTEST:

[Signature]
SECRETARY

WARRANTY DEED - 1

FILED
JUN 11 1998
JUL 11 1998

902905

[Signature]
Smith, Brady & Hedges
Attorneys at Law
218 1/2 Main Street
P.O. Box 1000
Boise, Idaho 83726-1000

STATE OF COLORADO
County of Boulder

On 5/1, 1998, before me, a Notary Public in and for
said State, personally appeared WILLIAM S. HANCOCK and
Dana Green, known or identified to me to be the
President and Secretary of the corporation that executed the within
instrument and acknowledged to me that the corporation executed it.



Diana Lopez
Notary Public for Colorado
Commission Expires: 7/23/2001

WARRANTY DEED - 2

Schick, Beck & Hodges
Attorneys At Law
215 East Avenue West
Suite 200, Suite 200
Boulder, Colorado 80501-4200

CONTINUATION

SCHEDULE A

Policy Number: 534-433970

PARCEL NO. 1

TOWNSHIP 9 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

A tract of land in the NW 1/4 of Section 17, and the NW 1/4 of Section 18, more particularly described as follows:

Beginning at the Northeast corner of said Section 17, also being the Northwest corner of said Section 16;
Thence South 89°44'20" West, 1,320.16 feet to the Northwest corner of said Section 17;
Thence South 89°47'32" East, 3,701.08 feet along the Northerly boundary of said Section 17;
Thence North 89°25'25" East, 1,118.92 feet to a point on the Easterly boundary of said Section 17;
Thence North 89°05'32" West, 3,060.72 feet along the Easterly boundary of said Section 17;
Thence North 89°05'14" East, 315.00 feet parallel with the Northerly boundary of said Section 16;
Thence North 89°05'32" West, 144.00 feet parallel with the Easterly boundary of said Section 16 to the Northerly boundary of said Section 16;
Thence South 89°45'14" West, 945.00 feet along the Northerly boundary of said Section 16 to THE POINT OF BEGINNING.

PARCEL NO. 2

TOWNSHIP 9 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 16: NW 1/4, W 1/2 NW 1/4, SE 1/4 NW 1/4, EXCEPTING THEREFROM the following described parcel of land:

Beginning at the Northeast corner of Section 16;
Thence West along the North line of Section 16, a distance of 674 feet;
Thence South parallel with the East line of Section 16, 327 feet;
Thence East parallel with the North line of Section 16, 674 feet, more or less, to the East line;
Thence North along said East line, 327 feet to THE POINT OF BEGINNING.

EXCEPTING THEREFROM the highway.

Continued -

EXHIBIT A

CONTINUATION

SCHEDULE A

Policy Number: 554-433970

Section 17: NEXNEX, SXXIM, SEW, SESEW, ESEW, ESEW;

Section 20: ESEW, NSEW, NSEW;

EXCEPTING THEREFROM a tract of land in the ESEW, Section 17 and NSEW, Section 16, Township 9 South, Range 21 East of the Boise Meridian, Jerome County, Idaho, more particularly described as follows:

Beginning at the Northeast corner of said Section 17 also being the Northwest corner of said Section 16;
thence South 89°44'20" West, 1,320.16 feet to the Northwest corner of said ESEW, Section 17;
thence South 89°44'20" East, 3,203.08 feet along the Westerly boundary of said ESEW, Section 17;
thence South 89°44'20" East, 1,318.32 feet to a point on the Easterly boundary of said Section 17;
thence North 89°44'20" West, 3,060.73 feet along the Easterly boundary of said Section 17;
thence North 89°44'20" East, 343.00 feet parallel with the Easterly boundary of said Section 16;
thence North 89°44'20" East, 240.00 feet parallel with the Easterly boundary of said Section 16 to the Easterly boundary of said Section 16;
thence South 89°44'20" West, 343.00 feet along the Easterly boundary of said Section 16 to THE POINT OF BEGINNING.

Section 20: E

TOWNSHIP 9 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 16: That part of the NEXNEX, described as follows:

Beginning at the Northeast corner of Section 16;
thence West along the North line of Section 16, a distance of 574 feet;
thence South parallel with the East line of Section 16, 327 feet;
thence East parallel with the North line of Section 16, 574 feet, more or less, to the East line;
thence North along said East line, 327 feet to THE POINT OF BEGINNING.

EXCEPTING THEREFROM the highway,

Continued

CONTINUATION

SCHEDULE A

Policy Number: 554-433970

RANGE NO. 4

TOWNSHIP 3 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 20: SE1/4SW1/4, SW1/4SW1/4

Section 21: SE1/4SW1/4, SW1/4SW1/4

Section 22: All of Section 22;

Section 23: SE1/4SW1/4, SW1/4SW1/4

Section 24: SE1/4SW1/4

Section 25: SE1/4SW1/4, SE1/4SW1/4, SE1/4SW1/4

EXCEPTING THEREFROM that part of the SE1/4SW1/4 of Section 25,
Township 3 South, Range 21, East of the Boise Meridian, Jerome
County, Idaho, described as follows:

Commencing at the Southeast corner of said Section 25;
Thence North 0°02' West along the East boundary of said
Section 25, 395.53 feet;
Thence South 79°00'21" West, 425.52 feet to THE TRUE POINT OF
BEGINNING;
Thence continuing South 79°00'21" West, 154.50 feet;
Thence North 10°59'39" West, 55.00 feet;
Thence North 79°00'21" East, 154.50 feet;
Thence South 10°59'39" East, 55.00 feet to THE TRUE POINT OF
BEGINNING.

AND EXCEPTING THEREFROM that portion of the SE1/4SW1/4 of Section
25, described as follows:

Beginning at the East quarter corner of said Section 25, which
point shall be known as THE TRUE POINT OF BEGINNING;
Thence West along the North boundary of the SE1/4SW1/4, 909.75
feet;
Thence South parallel to the East boundary of the SE1/4SW1/4,
909.75 feet;
Thence East parallel to the North boundary of the SE1/4SW1/4,
909.75 feet to a point on the East boundary of the SE1/4SW1/4;
Thence North along the East boundary of the SE1/4SW1/4, 909.75
feet to THE TRUE POINT OF BEGINNING.

- Continued -

13-1577 15-08 970335-8125 1/2

CONTINUATION
SCHEDULE A

Policy Number: 554-433970

PARTIAL NO. 3

TOWNSHIP 3 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 15- SW;

EXCEPTING THEREFROM the highway.

PARTIAL NO. 5

TOWNSHIP 3 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 17- NWSW1/4, NW1/4SW1/4;

Section 18- NW1/4SE1/4, E1/4SW1/4, SW1/4SE1/4;

PARTIAL NO. 7

TOWNSHIP 3 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 22- SE1/4SW1/4, SW1/4SE1/4;

Section 27- EN, NW1/4SW1/4, SW1/4NW1/4, NW1/4SE1/4;

NW1/4SW1/4, EXCEPTING THEREFROM the following described parcel of land:

From a Point of Beginning located 714.75 feet, more or less, North from the Southwest corner of Section 27, to the point of intersection of said section line or County road center line with the North boundary of the Oregon Short Line Railroad North Side Branch right of way, thence running North along the section line or center line of said County road 275.17 feet, thence North 78°45' East and parallel to the said railroad right of way center line, 2691.57 feet, more or less, to the point of intersection with the North-South mid-section line, thence South along said mid-section line 275.27 feet, more or less, to the point of intersection with the North railroad right-of-way boundary;

Continued

WINDTUNNEL

There is South 78°46' West and along said North railroad right of way boundary, 2591.57 feet, more or less, to the point of beginning.

possess with permanent easement and right of way including the perpetual right to enter upon the aforesaid portion of the above described property to the end of section 17, Township 36 North, Range 31 East of the 6th Meridian in the process of constructing, maintaining and repairing underground pipelines for irrigation water as set forth in said Water Agreement executed May 15, 1953 in Book 121 Page 23 as Instrument Number 154794, Jackson County Records.

Page 8

Feb 27: 10:45 AM

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Section 24: That part of the SE/SW, described as follows:

commencing at the Southeast corner of said Section 28;

Thence North 0°02' West along the East boundary of said
Section 28, 595.59 feet;

Thames South 79°00'21" West, 485-62 feet to THE TRUE POINT OF BEGINNING.

Thence continuing South 79°00'21" West, 134.60' East,

Thence North 10° 59' 39" West 85.00 Feet
Thence North 78° 00' 31" West 11.11 Feet

Thence South 10°59'39" East, 55.00 feet to THE TRUE POINT OF BEGINNING

AND

Continued -

CONTINUATION

SCHEDULE A

Policy Number: 554-433970

That portion of the NE¹/₄SW¹/₄, described as follows:

Beginning at the East quarter corner of said Section 28, which point shall be known as THE TRUE POINT OF BEGINNING;
Thence West along the North boundary of the NE¹/₄SW¹/₄, 909.75 feet;
Thence South parallel to the East boundary of the NE¹/₄SW¹/₄, 909.75 feet;
Thence East parallel to the North boundary of the NE¹/₄SW¹/₄, 909.75 feet to a point on the East boundary of the NE¹/₄SW¹/₄;
Thence North along the East boundary of the NE¹/₄SW¹/₄, 909.75 feet to THE TRUE POINT OF BEGINNING.

SECTION NO. 10

TOWNSHIP 3 SOUTH, RANGE 21, EAST OF THE BOISE MERIDIAN,
JEROME COUNTY, IDAHO

Section 32:

NE¹/₄SW¹/₄;

Section 33:

NE¹/₄SW¹/₄; SE¹/₄SW¹/₄; SW¹/₄SW¹/₄;

EXCEPTING THEREFROM the Highway.

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-07801, Priority Date August 24, 1978."

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-08018, Priority Date December 24, 1981."

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-08012."

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. A36-02254, Priority Date March 18, 1984."

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-02284, Priority Date May 16, 1985."

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-07888, Priority Date April 6, 1977."

"Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. A36-02249, Priority Date March 5, 1984."

BEST COPY

AVAILABLE

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-02248, Priority Date March 5, 1954."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. A36-19601, Priority Date December 31, 1954."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-08011B, Priority Date December 24, 1951."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. A36-08008, Priority Date December 8, 1951."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-02430, Priority Date April 21, 1960."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-08004, Priority Date October 19, 1951."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-02315, Priority Date May 11, 1957."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-08003, Priority Date December 8, 1951."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-02424, Priority Date March 10, 1960."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. C-28406, Priority Date March 10, 1960."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-07451, Priority Date July 16, 1973."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stockwater, commercial and domestic uses on said land including, but not limited to, Water Right No. 36-02310, Priority Date November 20, 1955."

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stock water, commercial and domestic uses on said land including, but not limited to, Water Right No. 28-08009, Priority Date December 8, 1961.

Together with all water rights appurtenant to this property and all wells and equipment used for irrigation, stock water, commercial and domestic uses on said land including, but not limited to, Water Right No. 16-02378, Priority Date February 20, 1959.



AURORA DAIRY CORPORATION OF IDAHO,
a Colorado Corporation

BY Marcus B. Paperek
Marcus B. Paperek, President

Marcus B. Paperek
Marcus B. Paperek, Individually

ATTEST Donna J. Gebman
Donna J. Gebman, Secretary

ACKNOWLEDGMENT

STATE OF Colorado)
COUNTY OF Weld) ss.

The foregoing instrument was acknowledged before me this 20th day of December, 1994, by Marcus B. Paperek, President of Aurora Dairy Corporation of Idaho, a Colorado Corporation and by Donna J. Gebman, Secretary, for and in behalf of the corporation and by Marcus B. Paperek as an individual.

My Commission Expires 3-4-95



Kath Bunol-H
Notary Public
127 22nd Street Greeley, CO 80631
Notary Address

FILED
1994
DEC 20
Greeley, CO

Part of the SW of Section 28 of Township 3 South, Range 21 East of the Boise Meridian, Jerome County, State of Idaho.

Beginning at the Southeast corner of Section 28 of T.3 S., R.21 E., S.14 N., said corner marked by a 5/8" rebar; Thence North 00 degrees 02 minutes 00 seconds West along the east line of Section 28 for a distance of 716.55 feet to a 1/2" rebar which shall be the Point of Beginning;

Thence South 78 degrees 49 minutes 25 seconds West for a distance of 885.48 feet to a 1/2" rebar;

Thence North 00 degrees 02 minutes 00 seconds West for a distance of 885.48 feet to a 1/2" rebar;

Thence North 78 degrees 49 minutes 25 seconds East for a distance of 885.48 feet to a 1/2" rebar on the east line of Section 28;

Thence South 00 degrees 02 minutes 00 seconds East along said line for a distance of 885.48 feet to the Point of Beginning.

Said property contains 17.66 acres more or less and is subject to a county road right of way along the east side.

EXHIBIT B

Legal Description:

Township 9 South, Range 21 East of the Boise Meridian, Jerome County, Idaho

Section 22: NE1/4SE1/4

Section 23: NW1/4SW1/4; S1/2NW1/4; S1/2NE1/4

EXCEPTING THEREFROM the highway.

Part of the S1/2SW1/4 of Section 22, Township 9 South, Range 21 East of the Boise Meridian, Jerome County, State of Idaho.

Beginning at the Southeast corner of Section 22, Township 9 South, Range 21 East of the Boise Meridian, said corner marked by a 4" x 6" cedar:

Thence North 80 degrees 02 minutes 00 seconds West along the East line of Section 22 a distance of 768.45 feet to a 1/2" cedar which shall be the Point of Beginning;

Thence South 78 degrees 49 minutes 25 seconds West for a distance of 885.45 feet to a 1/2" cedar;

Thence North 80 degrees 02 minutes 00 seconds West for a distance of 885.45 feet to a 1/2" cedar;

Thence North 78 degrees 49 minutes 25 seconds East for a distance of 885.45 feet to a 1/2" cedar on the West line of Section 22;

Thence South 80 degrees 02 minutes 00 seconds East along said line for a distance of 885.45 feet to the Point of Beginning.

EXHIBIT c

T.09 S., R.21 E.

SP071044

SP071043

SP072045

SP072044

SP073045

SP072043

SP073044

SP073043



Brockway Engineering, PLLC
ALR - NOV. 28, 2011

**HORIZON ORGANIC DAIRY PLLC.
2011, PPU/POD WITH ESPA GRID
NAIP 2011 AERIAL**



Analysis 1	From	To	Water Rights
	72	72	36-16049
	45	43	36-16051
			36-16053
			36-16055

| Trimester | |

Trimester	1	2	Trimester)
Annual			AF/T:

One-Way Analysis of Independent Transfers

Transfer 1 : 1045 AFA Modelled

100.0%	Pre-SS	1045.000 AFA	281.3 Acres	
100.0%	Post-SS	1045.000 AFA	281.3 Acres	0.0 Acres Mitigation

WR No.	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
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Transfer 1: Proposed Steady State Impacts following Transfer

58124

Transfer: Worst Case Transient State Impacts following Transfer

60122

Impact by Reech (AF/Trimester)									
Ashion to Roxbury	Heise to Shelley	Shelley to Nr Bickf	Nr Bickf To Neskey	Neskey to Mindoka	Dev. Wbl. To Buhl	Buhl to 1000 Spr	1000 Spr 1000 Spr to Maled	Maled	Maled to Bancroft

S	2.88	3.31	24.69	86.15	25.16	120.32	38.16	23.47	2.46	19.70	0.75
---	------	------	-------	-------	-------	--------	-------	-------	------	-------	------

2.75	3.10	23.61	62.39	23.64	125.37	39.14	24.01	2.51	19.95	0.76
------	------	-------	-------	-------	--------	-------	-------	------	-------	------

S	2.88	3.31	24.69	86.15	25.16	120.32	38.10	23.47	2.46	19.70	0.75
---	------	------	-------	-------	-------	--------	-------	-------	------	-------	------

Steady State Analysis	Mitigation Check 1 - >10% of Historical:	-4.3%	-4.3%	-4.3%	-4.4%	-6.0%	4.2%	2.6%	2.3%	1.9%	1.3%	1.2%
	Mitigation Check 2 - > 2 AFTI:	-0.1%	-0.1%	-1.1	-3.8	-1.5	5.847	1.0	0.5	0.0	0.3	0.0
	Mitigation Check 3 - >10% of Total:	0.8%	0.9%	6.8%	23.7%	6.8%	36.1%	11.3%	6.9%	0.7%	5.7%	0.2%
	Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Res'd (ac-ft)	-0.1	-0.1	-1.1	-3.8	-1.5	5.0	1.0	0.5	0.0	0.3	0.0

Transient State Analysis	Mitigation Check 1 > 10% of Historical:	-4.3%	-4.3%	-4.1%	-3.9%	-5.3%	4.5%	2.8%	2.6%	2.2%	1.6%	1.2%
	Mitigation Check 2 > 2 AFIT:	-0.1	-0.1	-1.0	-3.4	-1.3	5.4	1.1	0.6	0.1	0.3	0.0
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	-0.1	-0.1	-1.0	-3.4	-1.3	5.4	1.1	0.6	0.1	0.3	0.0

[Read Me](#)

Transfer 2 :

WR No.	Div Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
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Transfer: Proposed Steady State Impacts following Transfer

Transfer 1: Worst Case Transient State Impacts following Transfer

Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickit	Nr Bickit To Neesley	Neesley to Mindoka	Dev. Wbl. To Buhl	Buhl to 1000 Spr	1000 Spr to Maled	Maled to Bancroft
----------------------	---------------------	-------------------------	-------------------------	-----------------------	----------------------	---------------------	----------------------	-------------------------

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

[illegible][illegible][illegible][illegible][illegible]

Transfer 3 :

| WR No. | Div. Rate
(CFS) | Con. Vol.
(AFA) | No. of Irr.
Acres | Priority
Date | POD
Location | Dedicated Vol.
AFA/ AFT | Model
Node |
|--------|--------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|
|--------|--------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|

Transfer: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

Evaluation of overall mitigation requirements per reach, Steady State and Transient State, and Off-Setting Benefits (Sum of reach debits only where mitigation is required and credits)

Carry out one way analysis. If reach depletions go up, it is a debit, if they go down, it is a credit. Sum all debits, only where mitigation is required (dark yellow), and all credits (light yellow). Mitigation is required for the full amount of the summed values if greater than zero.

Steady state analysis represents permanent mitigation requirements at future steady state (or last timestep from the ESPAM Transfer Tool model run).

Transient state analysis represents mitigation requirements for the worst or maximum time step in the model run.

| Steady State Summary of Modified Stream Depletions Following Transfer(s) | | | | | | | | | | | |
|--|---------------------|-------------------------|------------------------|-----------------------|----------------------|---------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| Impact by Reach (AF/Trimester) | | | | | | | | | | | |
| Ashton to
Rexburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Neeley | Neeley to
Minidoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr to
1000 Spr | 1000 Spr to
Maled | Maled to
Bancroft | Maled to
Bancroft | Maled to
Bancroft |
| 1 | -0.1 | -0.1 | -1.1 | -3.8 | -1.5 | 5.0 | 1.0 | 0.5 | 0.0 | 0.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | -0.1 | -0.1 | -1.1 | -3.8 | -1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Transient State Summary of Modified Stream Depletions Following Transfer(s)

Impact by Reach (AF/Trimester)

| Ashton to
Rexburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Neeley | Neeley to
Minidoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr to
1000 Spr | 1000 Spr to
Maled | Maled to
Bancroft | Maled to
Bancroft | Maled to
Bancroft |
|----------------------|---------------------|-------------------------|------------------------|-----------------------|----------------------|---------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | -0.1 | -0.1 | -1.0 | -3.4 | -1.3 | 5.4 | 1.1 | 0.6 | 0.1 | 0.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | -0.1 | -0.1 | -1.0 | -3.4 | -1.3 | 5.4 | 1.1 | 0.6 | 0.1 | 0.3 | 0.0 |

Evaluation of transient state mitigation requirement is not comprehensive across all time steps. Instead this evaluation finds the maximum stream depletion following the start of the transfer and looks at depletion amounts from that time step. In many instances this depletion is greater than the depletion associated with the steady state condition or final time step. This evaluation is merely an indicator of whether transient depletions must be considered, not an indicator of all transient impacts.

Evaluation of Permanent Mitigation Efforts (non-use, acreage consolidation) in Addition to Off-Setting Transfer Benefits - Steady State Evaluation Only

Set Aside 1 (Non-Use/Dedication):

| WR No. | Div Rate
(GFS) | Con. Vol.
(AF/A) | No. of Irr.
Acres | Priority
Date | POD
Location | Dedicated Vol.
AF/A, AFT | Model
Node |
|--------|-------------------|---------------------|----------------------|------------------|-----------------|-----------------------------|---------------|
|--------|-------------------|---------------------|----------------------|------------------|-----------------|-----------------------------|---------------|

Non-Use: Proposed Steady State Impacts following Change

Non-Use 1: Worst Case Transient State Impacts following Change

Impact by Reach (AF/Trimester)

| Ashton to
Rexburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Neeley | Neeley to
Minidoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr to
1000 Spr | 1000 Spr to
Maled | Maled to
Bancroft | Maled to
Bancroft | Maled to
Bancroft |
|----------------------|---------------------|-------------------------|------------------------|-----------------------|----------------------|---------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
|----------------------|---------------------|-------------------------|------------------------|-----------------------|----------------------|---------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|

Pre-SS

Post-SS

Pre-TS

Post-TS

Read Me

| | | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SS Reach Impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TS Reach Impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Re-evaluation of overall mitigation requirements per reach, Steady State Only (Sum of reach debits only where mitigation is required and credits)

Steady State Summary of Modified Stream Depletions Following Transfer(s)

Impact by Reach (AF/Trimester)

| Ashton to
Rexburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Neeley | Neeley to
Minidoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr to
1000 Spr | 1000 Spr to
Maled | Maled to
Bancroft | Maled to
Bancroft | Maled to
Bancroft |
|----------------------------------|---------------------|-------------------------|------------------------|-----------------------|----------------------|---------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| Total 1-Way Transfer Depletions: | -0.1 | -0.1 | -1.1 | -3.8 | -1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Mitigation Efforts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | -0.1 | -0.1 | -1.1 | -3.8 | -1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR
SEASON

1956

TRANSFER NAME:

WINTER Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL |
|--------|---------|-------------|-------------|-------------|
| ROW | 72 | 72 | | |
| COLUMN | 43 | 45 | | |

SS Mitigation

1045.0 AFA
0.0 AFA

| 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 |
| WIN 1958 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1957 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1957 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1957 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1958 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1958 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1958 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1959 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1959 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1959 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1960 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1960 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1960 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1961 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1961 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1961 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1962 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1962 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1962 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1963 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1963 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1963 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1964 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1964 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1964 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1965 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1965 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1965 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1966 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1966 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1966 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1967 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1967 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1967 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1968 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1968 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1968 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1969 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1969 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1969 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1970 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1970 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1970 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1971 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1971 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1971 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1972 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1972 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1972 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1973 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1973 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1973 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1974 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1974 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1974 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1975 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1975 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1975 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1976 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1976 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1976 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1977 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1977 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1977 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1978 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1978 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1978 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1979 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1979 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1979 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1980 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1980 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1980 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1981 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1981 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR

SIMULATION. THEN PUSH

"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR

1956

TRANSFER NAME:

SEASON

WINTER

Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|--------|-----------|--------------|--------------|--------------|
| ROW | 72 | 72 | | |
| COLUMN | 43 | 45 | | |

SS Mitigation

1045.0 AFA

0.0 AFA

| TRIMESTER
OF
ACTIVITY | TO WELL
Projected Use
AF/TRIMESTER | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------------|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| | | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER |
| WIN 1981 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1982 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1982 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1982 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1983 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1983 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1983 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1984 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1984 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1984 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1985 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1985 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1985 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1986 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1986 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1986 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1987 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1987 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1987 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1988 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1988 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1988 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1989 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1989 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1989 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1990 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1990 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1990 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1991 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1991 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1991 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1992 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1992 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1992 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1993 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1993 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1993 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1994 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1994 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1994 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1995 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1995 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1995 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1996 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1996 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1996 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1997 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1997 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1997 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1998 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1998 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1998 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1999 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1999 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1999 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2000 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2000 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2000 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2001 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2001 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2001 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2002 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2002 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2002 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2003 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2003 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2003 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2004 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2004 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2004 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2005 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2005 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2005 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2006 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2006 | 0.0 | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR SIMULATION. THEN PUSH

TRANSFER NO:

"UPDATE DATES" BUTTON

YEAR

1956

TRANSFER NAME:

SEASON

WINTER

▼

Horizon Dairy

ENTER CELL LOCATIONS:

'TO' CELL

'FROM1' CELL

'FROM2' CELL

'FROM3' CELL

ROW

72

72

SS Mitigation

COLUMN

43

45

4.0 AF/Acre

1045.0 AFA

0.0 AFA

| TRIMESTER OF ACTIVITY | TO WELL | | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------|---------------|--------------|---------------|------------------|---------------|------------------|---------------|------------------|
| | Protected Use | AF/TRIMESTER | With Transfer | Without Transfer | With Transfer | Without Transfer | With Transfer | Without Transfer |
| WIN 2008 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2007 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2007 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2007 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2008 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2008 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2008 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2009 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2009 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2009 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2010 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2010 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2010 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2011 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2011 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2011 | 0.0 | | 348.3 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2012 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2012 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2012 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2013 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2013 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2013 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2014 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2014 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2014 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2015 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2015 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2015 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2016 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2016 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2016 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2017 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2017 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2017 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2018 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2018 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2018 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2019 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2019 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2019 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2020 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2020 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2020 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2021 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2021 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2021 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2022 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2022 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2022 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2023 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2023 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2023 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2024 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2024 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2024 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2025 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2025 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2025 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2026 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2026 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2026 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2027 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2027 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2027 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2028 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2028 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2028 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2029 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2029 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2029 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2030 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2030 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2030 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2031 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2031 | 348.3 | | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |

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

TRANSFER NO:

YEAR

1956

TRANSFER NAME:

SEASON

WINTER

Horizon Dairy

ENTER CELL LOCATIONS:

| | TO CELL | FROM1 CELL | FROM2 CELL | FROM3 CELL |
|--------|---------|------------|------------|------------|
| ROW | 72 | 72 | | |
| COLUMN | 43 | 45 | | |

SS Mitigation

4.0 AF/Acre

1045.0 AFA

0.0 AFA

| TRIMESTER OF ACTIVITY | TO WELL Protected Use AF/TRIMESTER | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------|------------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|
| | | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER |
| WIN 2031 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2032 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2032 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2032 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2033 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2033 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2033 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2034 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2034 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2034 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2035 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2035 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2035 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2036 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2036 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2036 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2037 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2037 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2037 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2038 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2038 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2038 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2039 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2039 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2039 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2040 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2040 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2040 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2041 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2041 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2041 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2042 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2042 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2042 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2043 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2043 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2043 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2044 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2044 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2044 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2045 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2045 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2045 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2046 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2046 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2046 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2047 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2047 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2047 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2048 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2048 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2048 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2049 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2049 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2049 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2050 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2050 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2050 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2051 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2051 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2051 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2052 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2052 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2052 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2053 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2053 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2053 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2054 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2054 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2054 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2055 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2055 | 348.3 | 0.0 | 348.3 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | |
|-------------------|-------------|-----------|---------------------|
| Analysis 2 | From | To | Water Rights |
| | 72 | 72 | 36-16045 |
| | 43 | 45 | 36-16047 |

| Trimester | | | |
|-----------|---|---|------------|
| Trimester | 1 | 2 | Trimester) |
| Annual | | | AF/T |

One-Way Analysis of Independent Transfers

[illegible]

Evaluation of overall mitigation requirements per reach, Steady State and Transient State and Off-Setting Benefits (Sum of reach debits only where mitigation is required and credits)

Carry out one way analysis. If reach depletions go up, it is a debit, if they go down, it is a credit. Sum all debits, only where mitigation is required (dark yellow), and all credits (light yellow). Mitigation is required for the full amount of the summed values if greater than zero.

Steady state analysis represents permanent mitigation requirements at future steady state (or last timestep from the ESPAM Transfer Tool model run).

Transient state analysis represents mitigation requirements for the worst or maximum time step in the model run.

| Steady State Summary of Modified Stream Depletions Following Transfer(s) | | | | | | | | | | | |
|--|----------------------|---------------------|-------------------------|------------------------|----------------------|----------------------|---------------------|-------------------------|----------------|----------------------|----------------------|
| Impact by Reach (AF/Trimester) | | | | | | | | | | | |
| | Ashton to
Roxburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Nesley | Nesley to
Mindoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr
1000 Spr Ic | Maled
Maled | Maled to
Bancroft | Maled to
Bancroft |
| 1 | 0.1 | 0.1 | 0.7 | 2.6 | 1.1 | -3.5 | -0.7 | -0.4 | 0.0 | -0.2 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.5 | -0.7 | -0.4 | 0.0 | -0.2 | 0.0 |

| Transient State Summary of Modified Stream Depletions Following Transfer(s) | | | | | | | | | | | |
|---|----------------------|---------------------|-------------------------|------------------------|----------------------|----------------------|---------------------|-------------------------|----------------|----------------------|----------------------|
| Impact by Reach (AF/Trimester) | | | | | | | | | | | |
| | Ashton to
Roxburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Nesley | Nesley to
Mindoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr
1000 Spr Ic | Maled
Maled | Maled to
Bancroft | Maled to
Bancroft |
| 1 | 0.1 | 0.1 | 0.7 | 2.6 | 1.1 | -2.3 | -0.7 | -0.4 | 0.0 | -0.2 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.1 | 0.1 | 0.7 | 2.6 | 1.1 | -2.3 | -0.7 | -0.4 | 0.0 | -0.2 | 0.0 |

Evaluation of transient state mitigation requirement is not comprehensive across all time steps. Instead this evaluation finds the maximum stream depletion following the start of the transfer and looks at depletion amounts from that time step. In many instances this depletion is greater than the depletion associated with the steady state condition or final time step. This evaluation is merely an indicator of whether transient depletions must be considered, not an indicator of all transient impacts.

Evaluation of Permanent Mitigation Efforts (non-use, acreage consolidation) In Addition to Off-Setting Transfer Benefits - Steady State Evaluation Only

Set Aside 1 (Non-Use/Designation):

| WR No. | Div. Rate
(GFS) | Con. Vol.
(AF/A) | No. of Irr.
Acres | Priority
Date | POD
Location | Dedicated Vol.
AF/A, AFT | Model
Node |
|--------|--------------------|---------------------|----------------------|------------------|-----------------|-----------------------------|---------------|
|--------|--------------------|---------------------|----------------------|------------------|-----------------|-----------------------------|---------------|

Non-Use: Proposed Steady State Impacts following Change

Non-Use 1: Worst Case Transient State Impacts following Change

Impact by Reach (AF/Trimester)

| | Ashton to
Roxburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Nesley | Nesley to
Mindoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr
1000 Spr Ic | Maled
Maled | Maled to
Bancroft | Maled to
Bancroft |
|--|----------------------|---------------------|-------------------------|------------------------|----------------------|----------------------|---------------------|-------------------------|----------------|----------------------|----------------------|
|--|----------------------|---------------------|-------------------------|------------------------|----------------------|----------------------|---------------------|-------------------------|----------------|----------------------|----------------------|

Pre-SS
Post-SS

Pre-TS
Post-TS

Read Me

| | | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SS Reach impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TS Reach impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Re-evaluation of overall mitigation requirements per reach, Steady State Only (Sum of reach debits only where mitigation is required and credits)

| Steady State Summary of Modified Stream Depletions Following Transfer(s) | | | | | | | | | | | |
|--|----------------------|---------------------|-------------------------|------------------------|----------------------|----------------------|---------------------|-------------------------|----------------|----------------------|----------------------|
| Impact by Reach (AF/Trimester) | | | | | | | | | | | |
| | Ashton to
Roxburg | Heise to
Shelley | Shelley to
Nr Bickft | Nr Bickft To
Nesley | Nesley to
Mindoka | Dev. Wbl. To
Buhl | Buhl to
1000 Spr | 1000 Spr
1000 Spr Ic | Maled
Maled | Maled to
Bancroft | Maled to
Bancroft |
| Total 1-Way Transfer Depletions: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.5 | -0.7 | -0.4 | 0.0 | -0.2 | 0.0 |
| Total Mitigation Efforts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.5 | -0.7 | -0.4 | 0.0 | -0.2 | 0.0 |

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ENTER STARTING DATE FOR
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR 1957
SEASON SUMMER

TRANSFER NAME:
Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|--------|-----------|--------------|--------------|--------------|
| ROW | 72 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728 0 AFA
0 0 AFA

| 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 |
| SUM 1957 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1957 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1958 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1958 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1958 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1959 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1959 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1959 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1960 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1960 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1960 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1961 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1961 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1961 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1962 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1962 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1962 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1963 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1963 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1963 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1964 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1964 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1964 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1965 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1965 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1965 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1966 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1966 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1966 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1967 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1967 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1967 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1968 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1968 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1968 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1969 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1969 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1969 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1970 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1970 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1970 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1971 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1971 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1971 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1972 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1972 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1972 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1973 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1973 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1973 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1974 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1974 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1974 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1975 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1975 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1975 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1976 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1976 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1976 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1977 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1977 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1977 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1978 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1978 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1978 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1979 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1979 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1979 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1980 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1980 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1980 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1981 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1981 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1981 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1982 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

YEAR
SEASON

1957
SUMMER

TRANSFER NAME:
Horizon Dairy

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL |
|--------|---------|-------------|-------------|-------------|
| ROW | 72 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728.0 AFA
0.0 AFA

| TRIMESTER OF ACTIVITY | TO WELL | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------|----------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|
| | Protected 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 |
| SUM 1982 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1982 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1983 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1983 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1983 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1984 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1984 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1984 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1985 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1985 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1985 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1986 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1986 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1986 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1987 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1987 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1987 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1988 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1988 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1988 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1989 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1989 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1989 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1990 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1990 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1990 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1991 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1991 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1991 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1992 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1992 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1992 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1993 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1993 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1993 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1994 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1994 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1994 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1995 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1995 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1995 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1996 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1996 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1996 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1997 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1997 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1997 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1998 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1998 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1998 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1999 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1999 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1999 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2000 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2000 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2000 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2001 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2001 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2001 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2002 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2002 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2002 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2003 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2003 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2003 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2004 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2004 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2004 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2005 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2005 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2005 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2006 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2006 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2006 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2007 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR 1957
SEASON SUMMER

TRANSFER NAME:
Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|--------|-----------|--------------|--------------|--------------|
| ROW | 72 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728.0 AFA

0.0 AFA

| TRIMESTER
OF
ACTIVITY | TO WELL | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------------|-------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| | Protected 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 |
| SUM 2007 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2007 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2008 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2008 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2008 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2009 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2009 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2009 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2010 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2010 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2010 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2011 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2011 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2011 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2012 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2012 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2012 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2013 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2013 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2013 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2014 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2014 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2014 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2015 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2015 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2015 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2016 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2016 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2016 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2017 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2017 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2017 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2018 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2018 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2018 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2019 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2019 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2019 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2020 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2020 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2020 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2021 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2021 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2021 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2022 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2022 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2022 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2023 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2023 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2023 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2024 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2024 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2024 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2025 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2025 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2025 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2026 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2026 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2026 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2027 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2027 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2027 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2028 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2028 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2028 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2029 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2029 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2029 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2030 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2030 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2030 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2031 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2031 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2031 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2032 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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

TRANSFER NO:

YEAR
SEASON

1957
SUMMER

TRANSFER NAME:
Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO' CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL |
|--------|----------|-------------|-------------|-------------|
| ROW | 72 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728.0 AFA
0.0 AFA

| TRIMESTER OF ACTIVITY | TO WELL Projected Use AF/TRIMESTER | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------|------------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|
| | | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER |
| SUM 2032 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2032 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2033 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2033 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2033 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2034 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2034 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2034 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2035 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2035 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2035 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2036 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2036 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2036 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2037 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2037 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2037 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2038 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2038 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2038 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2039 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2039 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2039 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2040 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2040 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2040 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2041 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2041 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2041 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2042 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2042 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2042 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2043 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2043 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2043 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2044 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2044 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2044 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2045 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2045 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2045 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2046 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2046 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2046 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2047 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2047 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2047 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2048 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2048 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2048 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2049 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2049 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2049 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2050 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2050 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2050 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2051 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2051 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2051 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2052 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2052 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2052 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2053 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2053 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2053 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2054 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2054 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2054 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2055 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2055 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2055 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2056 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | |
|------------|------|----|--------------|
| Analysis 3 | From | To | Water Rights |
| | 72 | 73 | 36-16045 |
| | 43 | 45 | 36-16047 |

Trimester 

| Trimester | 1 | 2 | Trimester) |
|-----------|---|---|------------|
| Annual | | | AF/T |

One-Way Analysis of Independent Transfers

Transfer 1 : 720 AFA Modelled

| WR No. | Dly Rate
(CFS) | Con. Vol.
(AF) | No. of Irr
Acres | Priority
Date | POD
Location | Dedicated Vol.
AF/A FT | Model
Node |
|--|-------------------|-------------------|---------------------|------------------|-----------------|---------------------------|---------------|
| Transfer 1: Proposed Steady State Impacts following Transfer | | | | | | | |
| | | | | | | | 66124 |
| | | | | | | | 66122 |
| Transfer: Worst Case Transient State Impacts following Transfer | | | | | | | |
| | | | | | | | 66124 |
| | | | | | | | 66122 |

| | | | | |
|--------|---------|-------------|-------------|----------------------|
| 100.0% | Pre-SS | 728,000 AFA | 182.0 Acres | |
| 100.0% | Post-SS | 728,000 AFA | 182.0 Acres | 0.0 Acres Mitigation |

| Impact by Reach (A/F/Trimester) | | | | | | | | | | |
|---------------------------------|---------------------|---------------------|-------------------------------------|-----------------------|----------------------|----------------------|---------------------|----------------------------|------------------|-----------------------|
| | Ashton to
Reburg | Heise to
Shelley | Shelley to
Nr Bickf To
Neeley | Nr Bickf To
Neeley | Neeley to
Mindake | Dev. Wbl. to
Buhl | Buhl to
1000 Spr | 1000 Spr to
1000 Spr Ic | Melard
Meland | Meland to
Bancroft |
| S | 2.02 | 2.20 | 16.44 | 57.35 | 16.45 | 87.31 | 27.28 | 16.72 | 1.75 | 13.89 |
| | 2.02 | 2.32 | 17.34 | 60.52 | 17.95 | 82.92 | 29.29 | 16.17 | 1.70 | 13.58 |
| S | 2.02 | 2.20 | 16.44 | 57.35 | 16.45 | 87.31 | 27.28 | 16.72 | 1.75 | 13.89 |
| | 2.02 | 2.32 | 17.34 | 60.52 | 17.95 | 84.76 | 29.54 | 16.28 | 1.70 | 13.58 |

| | | | | | | | | | | | |
|--------------------------|--|------|------|------|-------|------|--------|-------|-------|-------|-------|
| Steady State Analysis | Mitigation Check 1 - >10% of Historical: | 5.3% | 5.4% | 5.5% | 5.5% | 0.1% | -5.0% | -3.0% | -3.3% | -2.0% | -2.2% |
| | Mitigation Check 2 - > 2 AFT: | 0.1 | 0.1 | 0.9 | 3.2 | 1.5 | -4.388 | -1.0 | -0.6 | -0.1 | -0.3 |
| | Mitigation Check 3 - >10% of Total: | 0.8% | 1.0% | 7.2% | 25.1% | 7.4% | 34.4% | 10.9% | 6.7% | 0.7% | 5.6% |
| | Mitigation Required?: | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| | Mitigation Vol. Req'd (ac-ft): | 0.1 | 0.1 | 0.9 | 3.2 | 1.5 | -4.4 | -1.0 | -0.6 | -0.1 | -0.3 |
| Transient State Analysis | Mitigation Check 1 - >10% of Historical: | 5.3% | 5.4% | 5.5% | 5.5% | 0.1% | -2.0% | -2.6% | -2.7% | -2.7% | -2.2% |
| | Mitigation Check 2 - > 2 AFT: | 0.1 | 0.1 | 0.9 | 3.2 | 1.5 | -2.5 | -0.7 | -0.4 | 0.0 | -0.3 |
| | Mitigation Required?: | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| | Mitigation Vol. Req'd (ac-ft): | 0.1 | 0.1 | 0.9 | 3.2 | 1.5 | -2.5 | -0.7 | -0.4 | 0.0 | -0.3 |

[Read Me](#)

Transfer 2 :

| WR No. | Dly Rate
(CFS) | Con. Vol.
(AFA) | No. of Irr
Acres | Priority
Date | POD
Location | Dedicated Vol.
AFA/ AFT | Model
Node |
|--|-------------------|--------------------|---------------------|------------------|-----------------|----------------------------|---------------|
| Transfer: Proposed Steady State Impacts following Transfer | | | | | | | |
| Transfer 1: Worst Case Transient State Impacts following Transfer | | | | | | | |

Impact by Reach (AF/Trimester)

[illegible][illegible]

Transfer 3 :

| WR No. | Div. Rate
(CFS) | Can. Vol.
(AF/A) | No. of In.
Across | Priority
Date | POD
Location | Dedicated Vol.
AF/A AFT | Model
Node |
|---|--------------------|---------------------|----------------------|------------------|-----------------|----------------------------|---------------|
| Transfer: Worst Steady State Impacts following Transfer | | | | | | | |
| Transfer: Worst Case Transient State Impacts following Transfer | | | | | | | |

Impact by Reach (AE/Trimester)

[illegible][illegible]

Evaluation of overall mitigation requirements per reach: Steady State and Transient State, and Off-Setting Benefits (Sum of reach debits only where mitigation is required and credits)

Carry out one way analysis. If reach depletions go up, it is a debit, if they go down, it is a credit. Sum all debits, only where mitigation is required (dark yellow), and all credits (light yellow). Mitigation is required for the full amount of the summed values if greater than zero.

Steady state analysis represents permanent mitigation requirements at future steady state (or last timestep from the ESPAM Transfer Tool model run).

Transient state analysis represents mitigation requirements for the worst or maximum time step in the model run.

| Steady State Summary of Modified Stream Depletions Following Transfer(s) | | | | | | | | | | | |
|--|-----------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|----------------|-------------------|-----|
| Impact by Reach (AFT/Trimester) | | | | | | | | | | | |
| Ashton to Resburg | Halse to Shelby | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Maled | Maled to Bencroft | |
| 1 | 0.1 | 0.1 | 0.0 | 3.2 | 1.5 | -4.4 | -1.0 | -0.8 | -0.1 | -0.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.4 | -1.0 | -0.8 | -0.1 | -0.3 | 0.0 |

Transient State Summary of Modified Stream Depletions Following Transfer(s)

Impact by Reach (AFT/Trimester)

| Ashton to Resburg | Halse to Shelby | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Maled | Maled to Bencroft | |
|-------------------|-----------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|----------------|-------------------|-----|
| 1 | 0.1 | 0.1 | 0.0 | 3.2 | 1.5 | -2.5 | -0.7 | -0.4 | 0.0 | -0.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.1 | 0.1 | 0.0 | 3.2 | 1.5 | -2.5 | -0.7 | -0.4 | 0.0 | -0.3 | 0.0 | |

Evaluation of Permanent Mitigation Efforts (non-use, acreage consolidation) in Addition to Off-Setting Transfer Benefits - Steady State Evaluation Only

Set Aside 1 (Non-Use/Desiccation):

| WR No. | Div Rate (GFS) | Con Vol (AFA) | No of Irr Acres | Priority Date | POD Location | Dedicated Vol. AFA/ AFT | Model Node |
|--------|----------------|---------------|-----------------|---------------|--------------|-------------------------|------------|
|--------|----------------|---------------|-----------------|---------------|--------------|-------------------------|------------|

Non-Use: Proposed Steady State Impacts following Change

Non-Use 1: Worst Case Transient State Impacts following Change

Impact by Reach (AFT/Trimester)

| Ashton to Resburg | Halse to Shelby | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Maled | Maled to Bencroft |
|-------------------|-----------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|----------------|-------------------|
|-------------------|-----------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|----------------|-------------------|

Pre-SS

Post-SS

Pre-TS

Post-TS

Road Me

| | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SS Reach Impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TS Reach Impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Re-evaluation of overall mitigation requirements per reach: Steady State Only (Sum of reach debits only where mitigation is required and credits)

Steady State Summary of Modified Stream Depletions Following Transfer(s)

Impact by Reach (AFT/Trimester)

| Ashton to Resburg | Halse to Shelby | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Maled | Maled to Bencroft |
|----------------------------------|-----------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|----------------|-------------------|
| Total 1-Way Transfer Depletions: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.4 | -1.0 | -0.8 | -0.1 | -0.3 |
| Total Mitigation Efforts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.4 | -1.0 | -0.8 | -0.1 | -0.3 |

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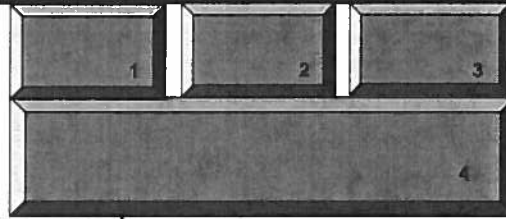
ENTER STARTING DATE FOR
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

YEAR 1957
SEASON SUMMER

TRANSFER NO:

TRANSFER NAME:

Horizon Dairy



4.0 AF/Acre

ENTER CELL LOCATIONS:

| TO' CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL |
|----------|-------------|-------------|-------------|
| 73 | 72 | | |
| 45 | 43 | | |

SS Mitigation

728.0 AFA

0.0 AFA

| TRIMESTER
OF
ACTIVITY | TO WELL
Projected Use
AF/TRIMESTER | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------------|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| | | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER |
| SUM 1957 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1957 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1958 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1958 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1958 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1959 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1959 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1959 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1960 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1960 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1960 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1961 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1961 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1961 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1962 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1962 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1962 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1963 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1963 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1963 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1964 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1964 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1964 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1965 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1965 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1965 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1966 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1966 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1966 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1967 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1967 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1967 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1968 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1968 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1968 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1969 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1969 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1969 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1970 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1970 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1970 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1971 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1971 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1971 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1972 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1972 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1972 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1973 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1973 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1973 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1974 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1974 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1974 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1975 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1975 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1975 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1976 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1976 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1976 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1977 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1977 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1977 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1978 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1978 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1978 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1979 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1979 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1979 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1980 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1980 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1980 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1981 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1981 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1981 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1982 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

YEAR
SEASON

1957

TRANSFER NAME:

SUMMER

▼

Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL |
|--------|---------|-------------|-------------|-------------|
| ROW | 73 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728.0 AFA

0.0 AFA

| 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 |
| SUM 1982 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1982 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1983 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1983 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1983 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1984 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1984 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1984 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1985 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1985 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1985 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1986 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1986 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1986 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1987 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1987 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1987 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1988 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1988 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1988 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1989 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1989 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1989 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1990 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1990 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1990 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1991 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1991 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1991 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1992 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1992 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1992 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1993 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1993 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1993 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1994 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1994 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1994 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1995 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1995 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1995 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1996 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1996 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1996 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1997 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1997 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1997 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1998 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1998 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1998 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1999 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1999 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1999 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2000 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2000 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2000 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2001 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2001 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2001 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2002 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2002 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2002 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2003 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2003 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2003 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2004 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2004 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2004 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2005 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2005 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2005 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2006 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2006 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2006 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2007 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR

1957

TRANSFER NAME:

SEASON

SUMMER

Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|--------|----------|--------------|--------------|--------------|
| ROW | 73 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728.0 AFA

0.0 AFA

| 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 |
| SUM 2007 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2007 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2008 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2008 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2008 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2009 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2009 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2009 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2010 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2010 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2010 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2011 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2011 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2011 | 0.0 | 242.7 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2012 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2012 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2012 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2013 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2013 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2013 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2014 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2014 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2014 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2015 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2015 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2015 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2016 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2016 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2016 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2017 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2017 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2017 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2018 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2018 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2018 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2019 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2019 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2019 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2020 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2020 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2020 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2021 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2021 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2021 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2022 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2022 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2022 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2023 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2023 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2023 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2024 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2024 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2024 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2025 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2025 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2025 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2026 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2026 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2026 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2027 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2027 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2027 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2028 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2028 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2028 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2029 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2029 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2029 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2030 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2030 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2030 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2031 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2031 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2031 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2032 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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

TRANSFER NO:

YEAR
SEASON

1957
SUMMER

TRANSFER NAME:
Horizon Dairy

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL |
|--------|---------|-------------|-------------|-------------|
| ROW | 73 | 72 | | |
| COLUMN | 45 | 43 | | |

SS Mitigation

728.0 AFA
0.0 AFA

| 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 |
| SUM 2032 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2032 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2033 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2033 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2033 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2034 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2034 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2034 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2035 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2035 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2035 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2036 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2036 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2036 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2037 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2037 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2037 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2038 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2038 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2038 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2039 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2039 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2039 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2040 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2040 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2040 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2041 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2041 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2041 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2042 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2042 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2042 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2043 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2043 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2043 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2044 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2044 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2044 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2045 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2045 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2045 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2046 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2046 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2046 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2047 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2047 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2047 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2048 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2048 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2048 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2049 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2049 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2049 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2050 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2050 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2050 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2051 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2051 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2051 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2052 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2052 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2052 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2053 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2053 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2053 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2054 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2054 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2054 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2055 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2055 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2055 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2056 | 242.7 | 0.0 | 242.7 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | |
|-------------------|-------------|-----------|---------------------|
| Analysis 4 | From | To | Water Rights |
| | 73 | 72 | 36-8402 |
| | 45 | 43 | 36-2430 |
| | | | 36-8008 |

Trimester

| Trimester | 1 | 2 | Trimester |
|-----------|---|---|-----------|
| Annual | | | AF/T: |

One-Way Analysis of Independent Transfers

Transfer 1 : 1258 AFA Modelled

| WR No. | Div. Rate
(CFS) | Con. Vol.
(AFA) | No. of Irr.
Acres | Priority
Date | POD
Location | Dedicated Vol.
AFA/ AFT | Model
Node |
|--------|--------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|
|--------|--------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|

Transfer 1: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

| | | | |
|--------|---------|--------------|-------------|
| 100.0% | Pre-SS | 1250.000 AFA | 314.0 Acres |
| 100.0% | Post-SS | 1250.000 AFA | 314.0 Acres |

0.0 Acres Mitigation

Impact by Reach (AF/Trimester)

| | Ashland to Resburg | Heise to Shelley | Shelley to Nr Bickf | Nr Bickf To Neely | Neely to Neidolu | Dev Wbl. To BuH | BuH to 1000 Spr | 1000 Spr to 1000 Spr in Mated | Mated | Mated to Rengroff | |
|---|--------------------|------------------|---------------------|-------------------|------------------|-----------------|-----------------|-------------------------------|-------|-------------------|------|
| S | 3.49 | 4.01 | 29.97 | 104.63 | 31.05 | 143.21 | 45.41 | 27.93 | 2.93 | 23.46 | 0.86 |
| S | 3.32 | 3.81 | 28.42 | 99.16 | 28.47 | 150.77 | 47.08 | 26.88 | 3.02 | 24.00 | 0.91 |
| S | 3.49 | 4.01 | 29.97 | 104.63 | 31.05 | 143.21 | 45.41 | 27.93 | 2.93 | 23.46 | 0.86 |
| S | 3.33 | 3.85 | 29.04 | 101.65 | 29.43 | 154.59 | 48.18 | 26.95 | 3.03 | 24.54 | 0.92 |

| | | | | | | | | | | | | |
|-----------------------|--|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| Steady State Analysis | Mitigation Check 1 - >10% of Historical: | -5.1% | -5.1% | -5.2% | -5.2% | -5.3% | 5.3% | 3.7% | 3.4% | 3.0% | 2.3% | 2.2% |
| | Mitigation Check 2 > 2 AFT: | -0.2 | -0.2 | -1.5 | -5.2% | -2.0 | 7,570 | 1.7 | 1.0 | 0.1 | 0.5 | 0.0 |
| | Mitigation Check 3 - >10% of Total: | 0.0% | 0.0% | 6.8% | 23.7% | 6.8% | 36.1% | 11.3% | 6.9% | 0.7% | 5.7% | 0.2% |
| | Mitigation Required?: | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| | Mitigation Vol. Req'd (ac-ft): | -0.2 | -0.2 | -1.5 | -5.5 | -2.0 | 7.8 | 1.7 | 1.0 | 0.1 | 0.5 | 0.0 |

Transient State Analysis

| | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Mitigation Check 1: > 10% of Historical: | -4.7% | -4.1% | -3.1% | -2.8% | -5.2% | 7.9% | 6.1% | 5.6% | 5.3% | 4.6% | 3.1% |
| Mitigation Check 2: > 2 AFIT: | -0.2 | -0.2 | -0.9 | -3.0 | -1.6 | 11.4 | 2.8 | 1.6 | 0.2 | 1.1 | 0.0 |
| Mitigation Required? | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol. Req'd (ac-ft): | -0.2 | -0.2 | -0.9 | -3.0 | -1.6 | 11.4 | 2.8 | 1.6 | 0.2 | 1.1 | 0.0 |

Read Me

Transfer 2 :

| WR No. | Div Rate
(CFS) | Con. Vol.
(AFA) | No. of Irr.
Acres | Priority
Date | POD
Location | Dedicated Vol.
AFA/ AFT | Model
Node |
|--------|-------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|
|--------|-------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|

Transfer: Proposed Steady State Impacts following Transfer

Transfer 1: Worst Case Transient State Impacts following Transfer

| | | | |
|------|---------|-----------|-----------|
| 0.0% | Pre-SS | 0.000 AFA | 0.0 Acres |
| 0.0% | Post-SS | 0.000 AFA | 0.0 Acres |

0.0 Acres

| Impact by Reach (AF/Trimester) | | |
|--------------------------------|----------|-------|
| Ashton to | Holme to | Sh... |

[illegible][illegible]

Transient State Analysis

[illegible]

Transfer 3 :

| WR No. | Div. Rate
(CFS) | Con. Vol.
(AFA) | No. of Irr.
Acres | Priority
Date | POD
Location | Dedicated Vol.
AFA/ AFT | Model
Node |
|--------|--------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|
|--------|--------------------|--------------------|----------------------|------------------|-----------------|----------------------------|---------------|

Transfer: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

| Impact by Reach (AF/Trimester) | | | | |
|--------------------------------|---------------------|--------------------------|---------------------------|-------------------------|
| Ashton to
Buckner | Hoise to
Shelley | Shelley to
McClintock | Nr BickN To
McClintock | Neeley to
McClintock |

0.0 Acres Mitigation

| Roxburg | Shelley | Nr |
|---------|---------|----|
|---------|---------|----|

[illegible][illegible]

Transient State Analysis

[illegible]

Evaluation of overall mitigation requirements per reach, Steady State and Transient State, and Off-Setting Benefits (Sum of reach debts only where mitigation is required and credits)

Carry out one way analysis. If reach depletions go up, it is a debit, if they go down, it is a credit. Sum all debts, only where mitigation is required (dark yellow), and all credits (light yellow). Mitigation is required for the full amount of the summed values if greater than zero.

Steady state analysis represents permanent mitigation requirements at future steady state (or last timestep from the ESPAM Transfer Tool model run).

Transient state analysis represents mitigation requirements for the worst or maximum time step in the model run.

| Steady State Summary of Modified Stream Depletions Following Transfer(s) | | | | | | | | | | | |
|--|------------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|-------------------|-----|-----|
| Impact by Reach (AFT/Trimester) | | | | | | | | | | | |
| Ashion to Resburg | Heise to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Bencroft | | |
| 1 | -0.2 | -0.2 | -1.5 | -5.5 | -2.6 | 7.8 | 1.7 | 1.0 | 0.1 | 0.5 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | -0.2 | -0.2 | -1.5 | -5.5 | -2.6 | 7.8 | 1.7 | 1.0 | 0.1 | 0.5 | 0.0 |

Transient State Summary of Modified Stream Depletions Following Transfer(s)

Impact by Reach (AFT/Trimester)

| Ashion to Resburg | Heise to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Bencroft | | |
|-------------------|------------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|-------------------|-----|-----|
| 1 | -0.2 | -0.2 | -0.9 | -3.0 | -1.6 | 11.4 | 2.8 | 1.8 | 0.2 | 1.1 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | -0.2 | -0.2 | -0.9 | -3.0 | -1.6 | 11.4 | 2.8 | 1.8 | 0.2 | 1.1 | 0.0 |

Evaluation of transient state mitigation requirement is not comprehensive across all time steps. Instead this evaluation finds the maximum stream depletion following the start of the transfer and looks at depletion amounts from that time step. In many instances this depletion is greater than the depletion associated with the steady state condition or final time step. This evaluation is merely an indicator of whether transient depletions must be considered, not an indicator of all transient impacts.

Evaluation of Permanent Mitigation Efforts (non-use, acreage consolidation) in Addition to Off-Setting Transfer Benefits - Steady State Evaluation Only

Set Aside 1 (Non-Use/Dedication):

| WR No. | Div. Rate (GFS) | Con. Vol. (AF/A) | No. of Irr Acres | Priority Date | POD Location | Dedicated Vol. AFA/AFT | Model Node |
|--------|-----------------|------------------|------------------|---------------|--------------|------------------------|------------|
|--------|-----------------|------------------|------------------|---------------|--------------|------------------------|------------|

Non-Use: Proposed Steady State Impacts following Change

Impact by Reach (AFT/Trimester)

| Ashion to Resburg | Heise to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Bencroft |
|-------------------|------------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|-------------------|
|-------------------|------------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|-------------------|

Pre-SS

Post-SS

Pre-TS

Post-TS

| | | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SS Reach Impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TS Reach Impacts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Re-evaluation of overall mitigation requirements per reach, Steady State Only (Sum of reach debts only where mitigation is required and credits)

Steady State Summary of Modified Stream Depletions Following Transfer(s)

Impact by Reach (AFT/Trimester)

| Ashion to Resburg | Heise to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Minidoka | Dev. Wbl. To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Maled | Maled to Bencroft |
|----------------------------------|------------------|----------------------|---------------------|--------------------|-------------------|------------------|----------------------|-------------------|-------------------|
| Total 1-Way Transfer Depletions: | -0.2 | -0.2 | -1.5 | -5.5 | -2.6 | 7.8 | 1.7 | 1.0 | 0.1 |
| Total Mitigation Efforts: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Summary: | -0.2 | -0.2 | -1.5 | -5.5 | -2.6 | 7.8 | 1.7 | 1.0 | 0.1 |

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ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

YEAR
SEASON

1960

TRANSFER NAME:

SUMMER

Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|--------|-----------|--------------|--------------|--------------|
| ROW | 72 | 73 | | |
| COLUMN | 43 | 45 | | |

SS Mitigation

1256.0 AFA

0.0 AFA

| TRIMESTER OF ACTIVITY | TO WELL
Projected Use
AF/TRIMESTER | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| | | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER |
| SUM 1960 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1960 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1961 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1961 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1961 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1962 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1962 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1962 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1963 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1963 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1963 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1964 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1964 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1964 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1965 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1965 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1965 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1966 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1966 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1966 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1967 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1967 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1967 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1968 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1968 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1968 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1969 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1969 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1969 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1970 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1970 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1970 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1971 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1971 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1971 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1972 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1972 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1972 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1973 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1973 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1973 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1974 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1974 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1974 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1975 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1975 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1975 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1976 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1976 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1976 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1977 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1977 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1977 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1978 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1978 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1978 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1979 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1979 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1979 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1980 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1980 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1980 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1981 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1981 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1981 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1982 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1982 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1982 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1983 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1983 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1983 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1984 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1984 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1984 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1985 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

YEAR
SEASON

1960
SUMMER

TRANSFER NAME:
Horizon Dairy

1

2

3

4

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|--------|-----------|--------------|--------------|--------------|
| ROW | 72 | 73 | | |
| COLUMN | 43 | 45 | | |

SS Mitigation

1256.0 AFA

0.0 AFA

| 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 |
| SUM 1985 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1985 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1986 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1986 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1986 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1987 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1987 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1987 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1988 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1988 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1988 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1989 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1989 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1989 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1990 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1990 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1990 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1991 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1991 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1991 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1992 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1992 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1992 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1993 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1993 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1993 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1994 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1994 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1994 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1995 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1995 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1995 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1996 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1996 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1996 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1997 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1997 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1997 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1998 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1998 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1998 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1999 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1999 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1999 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2000 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2000 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2000 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2001 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2001 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2001 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2002 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2002 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2002 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2003 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2003 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2003 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2004 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2004 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2004 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2005 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2005 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2005 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2006 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2006 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2006 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2007 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2007 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2007 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2008 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2008 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2008 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2009 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2009 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2009 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2010 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

YEAR

1960

TRANSFER NAME:

SEASON

SUMMER

Horizon Dairy

4.0 AF/Acre

ENTER CELL LOCATIONS:

| | TO CELL | FROM1 CELL | FROM2 CELL | FROM3 CELL |
|--------|---------|------------|------------|------------|
| ROW | 72 | 73 | | |
| COLUMN | 43 | 45 | | |

SS Mitigation

1256.0 AFA

0.0 AFA

| 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 |
| SUM 2010 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2010 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2011 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2011 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2011 | 0.0 | | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2012 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2012 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2012 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2013 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2013 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2013 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2014 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2014 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2014 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2015 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2015 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2015 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2016 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2016 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2016 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2017 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2017 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2017 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2018 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2018 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2018 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2019 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2019 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2019 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2020 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2020 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2020 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2021 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2021 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2021 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2022 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2022 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2022 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2023 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2023 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2023 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2024 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2024 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2024 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2025 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2025 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2025 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2026 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2026 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2026 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2027 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2027 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2027 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2028 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2028 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2028 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2029 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2029 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2029 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2030 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2030 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2030 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2031 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2031 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2031 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2032 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2032 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2032 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2033 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2033 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2033 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2034 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2034 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2034 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2035 | 418.7 | 0.0 | 418.7 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |

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

1

2

3

4

ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

YEAR
SEASON

1960

TRANSFER NAME:

SUMMER

▼

Horizon Dairy

4.0 AF/Acre

ENTER CELL LOCATIONS:

'TO' CELL

'FROM1' CELL

'FROM2' CELL

'FROM3' CELL

ROW
COLUMN

72

73

SS Mitigation

43

45

1256.0 AFA

0.0 AFA

| TRIMESTER OF ACTIVITY | TO WELL
Projected Use
AF/TRIMESTER | FROM1 WELL | | FROM2 WELL | | FROM3 WELL | |
|-----------------------|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| | | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER | With Transfer
AF/TRIMESTER | Without Transfer
AF/TRIMESTER |
| SUM 2035 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2035 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2036 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2036 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2036 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2037 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2037 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2037 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2038 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2038 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2038 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2039 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2039 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2039 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2040 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2040 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2040 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2041 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2041 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2041 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2042 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2042 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2042 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2043 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2043 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2043 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2044 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2044 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2044 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2045 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2045 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2045 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2046 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2046 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2046 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2047 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2047 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2047 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2048 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2048 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2048 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2049 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2049 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2049 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2050 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2050 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2050 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2051 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2051 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2051 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2052 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2052 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2052 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2053 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2053 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2053 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2054 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2054 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2054 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2055 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2055 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2055 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2056 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2056 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2056 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2057 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2057 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2057 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2058 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 2058 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 2058 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 2059 | 418.7 | 0.0 | 418.7 | 0.0 | 0.0 | 0.0 | 0.0 |

| Horizon Organic Dairy LLC (Cui | | flow combined | volume combined | acre limits | acres |
|--------------------------------|------------|---------------|-----------------|-------------|--------|
| 36 16045 | 10/19/1981 | 1.95 | 173.7 | 182 | |
| 36 16047 | 5/11/1957 | 3 | 689.2 | 172.3 | |
| | | 4.95 | 862.9 | 354.3 | 182 |
| 36 16049 | 11/20/1956 | 4.8 | 0 | 282.7 | |
| 36 16051 | 2/20/1959 | 0.54 | 0 | 36.2 | |
| 36 16053 | 7/16/1973 | 1.38 | 0 | 164.9 | |
| 36 16055 | 8/20/1959 | 4.12 | 0 | 522.6 | |
| | | 10.84 | 0 | 1006.4 | 522.6 |
| 36 2430 | 4/21/1960 | 3.5 | 0 | 314 | |
| 36 8008 | 12/8/1981 | 0.84 | 0 | 314 | |
| | | 4.34 | 0 | 628 | 314 |
| 36 8402 | 11/28/1988 | 0.84 | 0 | 314 | |
| 36 2430 | 4/21/1960 | 3.5 | 0 | 314 | |
| 36 8008 | 12/8/1981 | 0.84 | 0 | 314 | |
| | | 5.18 | 0 | 942 | 314 |
| COMBINED TOTALS | | 18.08 | 4078.4 | 1018.6 | 1018.6 |

| after transfer | | flow combined | volume combined | acre limits | acres |
|-----------------------|------------|---------------|-----------------|-------------|--------|
| 45 13924 | 12/16/1970 | 4.33 | 1829.1 | 619.4 | |
| 45 13926 | 9/30/1971 | 6.16 | 2478.9 | 781.5 | |
| | | 10.49 | 4308 | 1400.9 | 1338.2 |
| 45 13928 | 6/11/1979 | 6 | 1199.6 | 299.9 | |
| 45 13930 | 6/30/1985 | 1.29 | | 112.5 | |
| 45 14167 | 3/23/1957 | 0.75 | 150 | 37.5 | |
| 45 14169 | 8/20/1959 | 0.9 | 180 | 45 | |
| | | 8.94 | 1529.6 | 494.9 | 494.8 |
| 45 13932 | 9/29/1961 | 9.61 | 2264 | 566 | |
| 45 13934 | 6/30/1985 | 2.3 | 0 | 178.1 | |
| | | 11.91 | 2264 | 744.1 | 744.1 |
| 45 13936 | 9/11/1967 | 3.46 | 790.8 | 197.7 | |
| 45 13938 | 9/6/1967 | 4.94 | 1102 | 275.5 | |
| | | 8.4 | 1892.8 | 473.2 | |
| new irrigation rights | | | | | |
| 45 14306 | 5/21/1962 | 4.16 | 1536.8 | 384.2 | |
| 45 14308 | 9/11/1967 | 3.76 | 1448.8 | 362.1 | |
| 45 14310 | 11/24/1981 | 5.07 | 1017.6 | 254.4 | |
| | | 12.99 | 4003.2 | 1000.7 | 643.8 |
| new stockwater rights | | | | | |
| 45 14307 | 5/21/1962 | 0.83 | 201.5 | n/a | n/a |
| 45 14309 | 9/11/1967 | 0.75 | 189.88 | n/a | n/a |
| 45 14311 | 11/24/1981 | 1.02 | 133.4 | n/a | n/a |
| | | | 337.4 | | |



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 1341 Fillmore Street, Suite 200 • Twin Falls, Idaho 83301-3380

Phone: (208) 736-3033 • Fax: (208) 736-3037 • Web Site: www.idwr.idaho.gov

August 30, 2012

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

HORIZON ORGANIC DAIRY LLC
2577 E 500 S
PAUL, ID 83347

RE: Transfer No. 77952
Water Right No(s). 36-8402, 36-2430, 36-8008, 36-16045, 36-16047,
36-16049, 36-16051, 36-16053, 36-16055

Dear Applicant(s):

The Department of Water Resources has received your water right transfer application. Please refer to the transfer number referenced above in all future correspondence regarding this transfer.

A legal notice of the application has been prepared and is scheduled for publication in the **TIMES NEWS on 9/6/2012 and 9/13/2012**. Protests to this application may be submitted for a period ending ten (10) days after the second publication (**September 24, 2012**).

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 application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the approval document.

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

Sincerely,

Denise Maline
Administrative Assistant

cc:

BROCKWAY ENGINEERING PLLC
C/O GREG SULLIVAN
2016 N WASHINGTON ST STE 4
TWIN FALLS, ID 83301

Maline, Denise

From: Maline, Denise
Sent: Thursday, August 30, 2012 10:04 AM
To: Times News
Subject: LEGAL NOTICE
Attachments: Times News Cover Letter.docx; Times News Ad.docx

Attached please find (1) legal notice being submitted for publication on September 6th & 13th, 2012. Please contact me if you have any questions, or if you are not able to run the ad on the dates requested.

Thank you in advance,

Denise Maline
Administrative Assistant
Idaho Dept of Water Resources
1341 Fillmore St, Ste 200
Twin Falls, ID 83301
(208) 736-3033
denise.maline@idwr.idaho.gov

August 30, 2012

LEGAL NOTICE DEPARTMENT

TIMES NEWS

PO BOX 548

TWIN FALLS, ID 83303-0548

RE: Application For Permit No.(s): 36-16948

RE: Transfer No. 77952

Water Right No(s): 36-8402, 36-2430, 36-8008, 36-16045, 36-16047, 36-16049, 36-16051,
36-16053, 36-16055

RE: Transfer No. 78100

Water Right No(s): 45-14422, 45-14424

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 September 24, 2012. Your cooperation is appreciated.

Sincerely,

Denise Maline

Administrative Assistant

Enclosure(s)

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

36-16948

OLD CURRAN RANCH LLC

PO BOX 3398

HAILEY, ID 83333

Point of Diversion NWSNW S24 T07S R13E GOODING County Source WASTE WATER Tributary BILLINGSLEY CREEK

Use: DIVERSION TO STORAGE 01/01 to 12/31 6 CFS

Use: WILDLIFE 01/01 to 12/31 6 CFS

Use: WILDLIFE STORAGE 01/01 to 12/31 43.9 AF

Total Diversion: 6 CFS 43.9 AF

Date Filed: 8/13/2012

Place Of Use: WILDLIFE & WILDLIFE STORAGE

T07S R13E S23 SWSE SESE

Application proposes diverting up to 6.0 cfs of waste water for wildlife use associated with an existing pond located approximately 1.0 mi. south of the city of Hagerman and west of HWY 30. The waste water has historically been delivered through a ditch from an existing fish hatchery located approximately 0.2 mi. south and 1.0 mi. east of the city of Hagerman.

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

TRANSFER NO. 78100

KARLA WARD and DANIEL G WARD, 227 E 400 S, BURLEY, ID 83318 has filed Application No. 78100 for changes to the following water rights within CASSIA County(s): Right No(s). 45-14422, 45-14424. The purpose of the transfer is to change a portion of the above rights as follows: Application proposes converting a 0.06 cfs (8.6 acre) portion of a groundwater irrigation right to stockwater and commercial uses associated with a new feedlot operation located approximately 5.25 -5.5 miles south and 4.8 - 5.0 miles west of the center of Burley (Overland and Main St. intersection). An existing domestic well, located approximately 0.25 mile north of the proposed feedlot site, and a new well to be drilled at the proposed feedlot site will be used to provide water for the feedlot operation.

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

TRANSFER NO. 77952

HORIZON ORGANIC DAIRY LLC, 2577 E 500 S, PAUL, ID 83347 has filed Application No. 77952 for changes to the following water rights within JEROME County(s): Right No(s). 36-8402, 36-2430, 36-8008, 36-16045, 36-16047, 36-16049, 36-16051, 36-16053, 36-16055. The purpose of the transfer is to change a portion of the above rights as follows: Transfer proposes creating a new authorized place of use for nine ground water irrigation rights, 36-2430, 36-8008, 36-8402, 36-16045, 36-16047, 36-16049, 36-16051, 36-16053 and 36-16055 that are currently used on a farm located approximately 10-12.8 mi. west and 6.3-7.3 mi. north of Burley. The applicants propose shifting acres for the new authorized 1520 acre place of use to reflect the actual irrigated acres. Four existing wells will divert up to a total of 18.92 cfs and 4078.4 AF to irrigate 1018.6 acres.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Southern Region office at (208) 736-3033; or for a full description of the rights &/or proposed transfer, please see www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp. Protests may be submitted based on the criteria of Sec 42-222 and 42-203A, Idaho Code. Any protest against the approval of this application(s) must be filed with the Director, Dept. of Water Resources, Southern Region, 1341 Fillmore St, Suite 200, Twin Falls, ID 83301 together with a protest fee of \$25.00 for each application on or before September 24, 2012. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on September 6th & 13th, 2012



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 1341 Fillmore Street, Suite 200 • Twin Falls, Idaho 83301-3380

Phone: (208) 736-3033 • Fax: (208) 736-3037 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 30, 2012

CINDY YENTER
WATER DISTRICT #130
1341 FILLMORE ST, STE 200
TWIN FALLS, ID 83301

Hand Delivered

RE: Transfer No. 77952

Water Right No(s): 36-8402, 36-2430, 36-8008, 36-16045, 36-16047, 36-16049,
36-16051, 36-16053, 36-16055

RE: Application for Permit No. 36-16948

Dear Ms. Yenter:

A copy of the above referenced application is enclosed. Please review the application, then complete the enclosed recommendation form as necessary, and return it to this office within 21 days of the date of this letter.

If the application is approved, IDWR will include appropriate standard conditions of approval for a water right located within a water district, such as regulation by the watermaster, lockable controlling works, and/or measuring devices. Any special conditions or other concerns you have related to this application should be specifically addressed in your recommendation.

IDWR's regional offices can finish reviewing an unprotested application as soon as the protest period has past. Your prompt response to this request will ensure that your recommendation can be considered. If IDWR has not received your written recommendation within 21 days from the date of this letter, IDWR will presume that you do not oppose approval of the application and that you have no comments for IDWR to consider.

Sincerely,

Denise Maline
Administrative Assistant

Enclosure(s)

Reeder, Jana

From: Greg Sullivan [greg.sullivan@brockwayeng.com]
Sent: Thursday, August 23, 2012 1:35 PM
To: Reeder, Jana
Subject: FW: Horizon Transfer
Attachments: 600DOC003.PDF

Jana,

Attached is the amended Part 1 Continued for the Horizon transfer. The amendment removes the 10 acre descriptions for the PODs listed on the transfer.

Let me know if there is anything else that needs done to process this transfer.

Greg Sullivan
2016 N. Washington St. Suite 4
Twin Falls, Id 83301
208-736-8543

Reeder, Jana

From: Greg Sullivan [greg.sullivan@brockwayeng.com]
Sent: Wednesday, August 22, 2012 8:34 AM
To: Reeder, Jana
Subject: RE: Horizon Transfer 77952

Jana,

The proposed POD description change to Section 16 SESE is acceptable.

Greg Sullivan
2016 N. Washington St. Suite 4
Twin Falls, Id 83301
208-736-8543

From: Reeder, Jana [<mailto:Jana.Reeder@idwr.idaho.gov>]
Sent: Tuesday, August 21, 2012 9:49 AM
To: Greg Sullivan
Subject: Horizon Transfer 77952

Hey Greg,

Finally working on the last Horizon Transfer.. looking at the POD in section 16, the well appears to be in the SESESE from our aerial images. I believe we are okay to just drop the NE 10 acre tract and have rights read SESE of SEC 16. Please shoot me an email verifying that the change is okay with your client.

Thanks-Jana

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2197 / Virus Database: 2437/5213 - Release Date: 08/21/12

MEMORANDUM

Date: August 22, 2012
To: Transfer 77952 File
From: Jana Reeder
Re: Evaluation of Sufficiency of Information Submitted

Transfer proposes creating a new authorized place of use for nine ground water irrigation rights, 36-2430, 36-8008, 36-8402, 36-16045, 36-16047, 36-16049, 36-16051, 36-16053 and 36-16055 that are currently used on a farm located approximately 10-12.8 mi. west and 6.3-7.3 mi. north of Burley. The applicants propose shifting acres for the new authorized 1520 acre place of use to reflect the actual irrigated acres. Four existing wells will divert up to a total of 18.92 cfs and 4074.4 AF to irrigate 1018.6 acres.

The point of diversions and the place of use are located within the ESPA and also Water District 130 so watermaster comments will be necessary. A ground water model analysis was performed for the four wells and it was determined that no mitigation is required.

Notes, no volumes were recorded on the face of the water rights during the adjudication. Volume was calculated for 36-8402 and 36-8008 using rate and irrigation days. The volume for 36-2430, 36-16049, 36-13051 and 36-16053 was calculated from the acres or acre limits and IDWR standard of 4 ac ft. per acre and 36-16055 volume is the leftover portion of combined limits. It was determined the legal description for the well in NWSENE of SEC 17 was incorrect and changed to the NENE and also was decided that all 10-acre tracts for other diversions should be dropped. (see email from Brockway 8/23/2012) The half of a pivot located in 9S21E20 SENW and 9S21E20 SWNE, not included as part of this transfer, is involved with a Water bank Rental Application that has been submitted to the State Office, Horizon does not own this property.

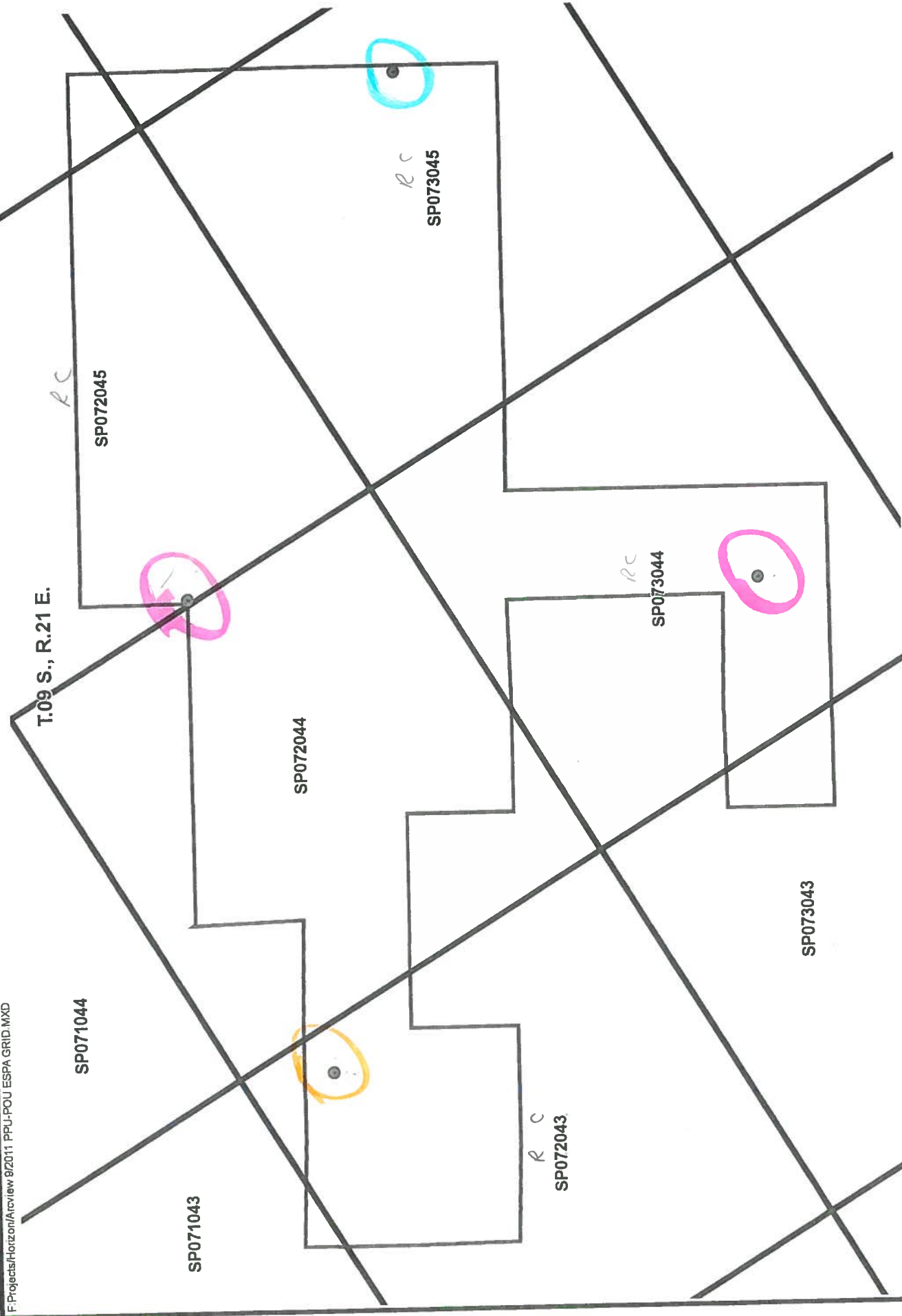
- **Authority to File:**
The applicant is listed as the current owner of water rights 36-2430, 36-8008, 36-8402, 36-16045, 36-16047, 36-16049, 36-16051, 36-16053 and 36-16055 according to IDWR records. The application includes a warranty deed showing the applicant's ownership of the new land involved with the transfer.
- **Water Right Validity:**
Water rights 36-2430, 36-8008, 36-16045, 36-16047, 36-16049, 36-16051, 36-16053 and 36-16055 were decreed in the SRBA. 36-8402 was licensed on 7/15/1994. Recent aerial imagery show all irrigated acres. ***36-2430, 36-8008 and 36-8402 are currently in the Water Bank. A Water Bank Application in the name of Wickel for a 26.9 acre portion of 36-2430, 36-8008 and 36-8402 has been submitted to the State Office.***
- **Injury to Other Water Rights:**
None anticipated.
- **Enlargement of Use:**
None anticipated if appropriate conditions and limits are implemented.
- **Local Public Interest:**
Acres are shifting to reflect actual irrigated acres.
- **Beneficial Use/Conservation of Water Resources:**
Proposed use is recognized as a beneficial use of water.

Review of the application finds there is no clear inconsistency with criteria set forth in Section 42-222 Idaho Code preventing processing of this application.

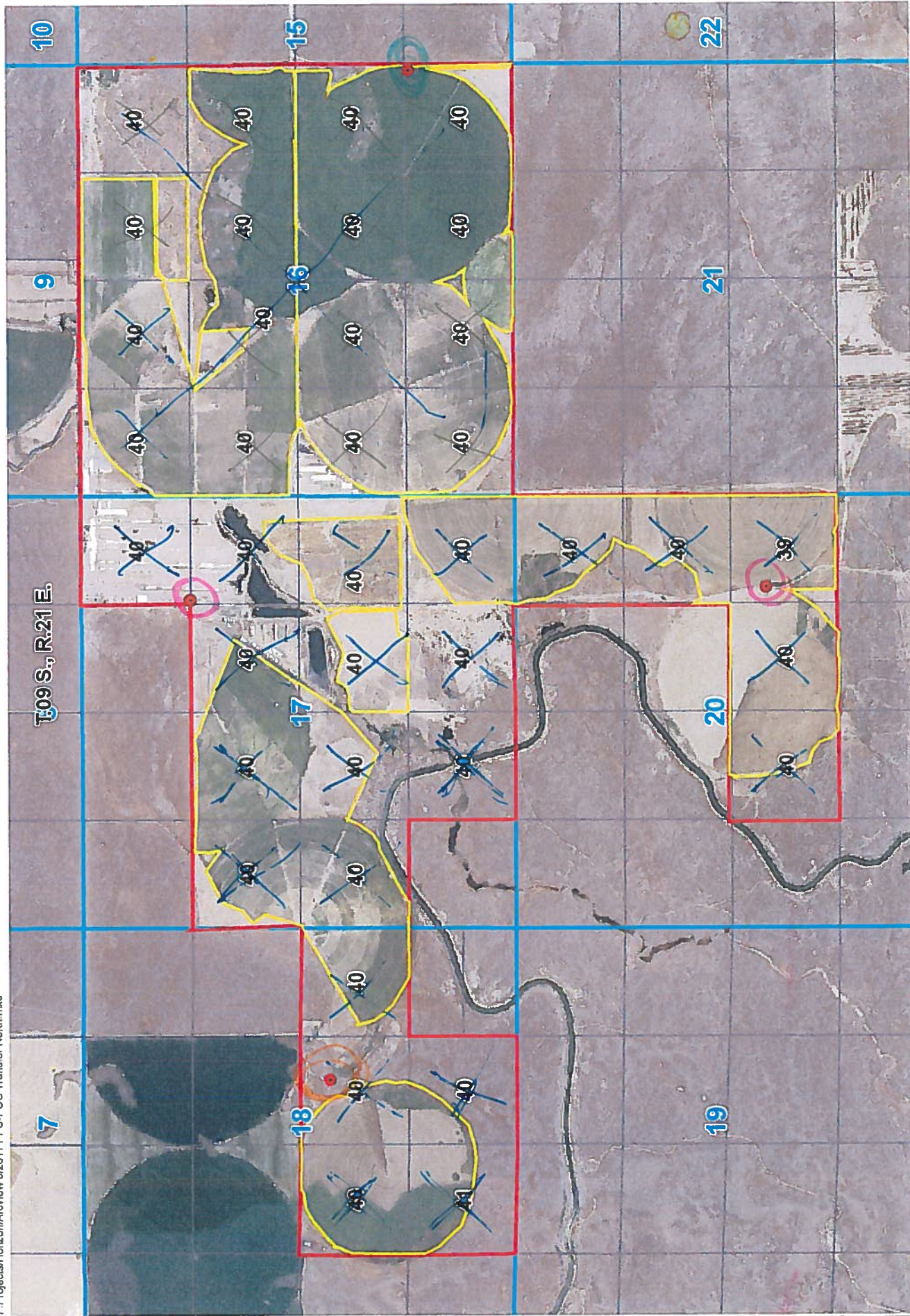
Horizon Organic Dairy LLC (Current)

| Right No. | Priority | flow limits | volume limits | acre limits | PPU acres |
|-----------------|------------|-------------|---------------|-------------|-----------|
| 36 16045 | 10/19/1981 | 1.95 | 173.7 | 182 | |
| 36 16047 | 5/11/1957 | 3 | 689.2 | 172.3 | |
| | | 4.95 | 862.9 | 354.3 | |
| | | | 728 | 182 | |
| 36 16049 | 11/20/1956 | 4.8 | 1130.8 | 282.7 | |
| 36 16051 | 2/20/1959 | 0.54 | 144.8 | 36.2 | |
| 36 16053 | 7/16/1973 | 1.38 | 659.6 | 164.9 | |
| 36 16055 | 12/8/1981 | 4.12 | 155.2 | 522.6 | |
| | | 10.84 | 2090.4 | 1006.4 | |
| | | | 2090.4 | 522.6 | |
| 36 2430 | 4/21/1960 | 3.5 | 1256 | 314 | |
| 36 8008 | 12/8/1981 | 0.84 | 409.9 | 314 | |
| 36 8402 | 11/28/1988 | 0.84 | 356.6 | 314 | |
| | | 5.18 | 2022.5 | 942 | 1520 |
| | | 5.18 | 1256 | 314 | |
| | | 18.92 | 4074.4 | 1018.6 | |
| COMBINED TOTALS | | 18.92 | 4074.4 | 1018.6 | |

**Calculated values based on lesser of rate and period of use or 4 afa/acre.



HORIZON ORGANIC DAIRY PLLC.
2011, PPU/POD WITH ESPA GRID
NAIP 2011 AERIAL



0 800 1,600 3,200 Feet



North_Proposed_Irrigation_2012=1 018.6 AC.
PPU North
NORTH PPU PER QQ
Sections_new
QQ_lines_new

HORIZON ORGANIC DAIRY PLLC.
2011, PPU Transfer North
NAIP 2009 AERIAL



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C.L. "BUTCH" OTTER

Governor

GARY SPACKMAN

Director

August 20, 2012

RECEIVED

AUG 22 2012

DEPT. OF WATER RESOURCES
SOUTHERN REGION

HORIZON ORGANIC DAIRY
2577 E 500 S
PAUL ID 83347

**RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK;
ASSOCIATED RIGHT NOS. 36-16049, 36-16051, 36-16053 AND 36-16055**

Dear Applicant:

On July 18, 2012, the Idaho Department of Water Resources (Department) received your application to rent water from the Water Supply Bank (Bank) for irrigation during 2012. The Department is returning your application since it was not processed prior to the end of the proposed rental period.

Additionally, the ground proposed to be irrigated in your application is covered by Right Nos. 36-16049, 36-16051, 36-16053, and 36-16055. These rights are subject to Transfer 77952. Transfer 77952 proposes to move irrigation from the acres covered under your rental proposal to another location. Since Transfer 77952 has not been approved, irrigation of those acres under Right Nos. 36-16049, 36-16051, 36-16053, and 36-16055 is still authorized.

If you still have a need to rent water from the Bank, please submit a new application. Application forms and information about the Water Supply Bank are available from the Department's web site at: www.idwr.idaho.gov. Please contact me at (208) 287-4907 if you have any questions.

Sincerely,

Monica Van Bussum
Sr. Water Resource Agent

Enclosure(s): Rental Application (copy)

C: Jana Reeder – IDWR Southern Regional Office
Greg Sullivan – Brockway Engineering PLLC

Reeder, Jana

From: Van Dyke, Nick
Sent: Tuesday, May 22, 2012 9:36 AM
To: Reeder, Jana
Cc: Yenter, Cindy
Subject: RE: Horizon Dairy Transfer WSB

Heads up Brockway is wanting to use 26.9 acres of 36-8008, 36-2430, and 36-8402 for a rental (applicant Wickel). I haven't dived into the details yet – the rental is kind of a two part deal (these 3 rights associated with the second; analysis got hung up on the first part).

Nicholas Van Dyke

*Sr. Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 287-4949
Fax: (208) 287-6700
Email: nick.vandyke@idwr.idaho.gov*

From: Reeder, Jana
Sent: Tuesday, May 22, 2012 9:07 AM
To: Van Dyke, Nick
Subject: RE: Horizon Dairy Transfer WSB

Welcome! I am looking at the third transfer right now and looks like portions of 36-8402, 36-2430, and 36-8008 are also in the bank..

Jana

From: Van Dyke, Nick
Sent: Tuesday, May 22, 2012 9:01 AM
To: Reeder, Jana
Subject: RE: Horizon Dairy Transfer WSB

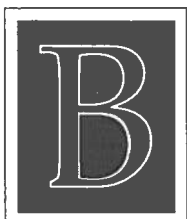
Jana,

Thanks for the heads up – it really helps with the bank processes.

Nick

Nicholas Van Dyke

*Sr. Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 287-4949
Fax: (208) 287-6700
Email: nick.vandyke@idwr.idaho.gov*



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

MAY 15 2012

DEPT. OF WATER RESOURCES
SOUTHERN REGION

May 15, 2012

Allan Merritt
Idaho Department of Water Resources
1341 Fillmore Street, Suite 200
Twin Falls, ID 83301-3380

Re: Horizon Organic Dairy

Dear Mr. Merritt:

Horizon Organic Dairy desires to create a permissible place of use on 1520 acres. The irrigation water rights 36-16049, 36-16051, 36-16053, 36-16055, 36-8402, 36-2430, 36-8008, 36-16045 and 36-16047 will be able to irrigate 1018.6 acres.

The ownership of the water rights, beneficial use and period of use will not be changing for the water rights involved in this transfer.

The point of diversions for the water rights will be four existing ground water wells. Four analyses with the ESPA Model were performed and it was determined that no mitigation will be required from this transfer.

It was required to perform four separate ESPA Model analyses due to the four existing ground water wells located in four different ESPA Model cells. Analysis 1 examined the volume of 1045.0 AFA to be pumped from cell 072045 to cell 072043. Analysis 2 examined the volume of 728.0 AFA to be pumped from cell 072043 to cell 072045. Analysis 3 examined the volume of 728.0 AFA to be pumped from cell 072043 to cell 073045. Analysis 4 examined the volume of 1256.0 AFA to be pumped from cell 073045 to cell 072043.

Portions of 36-8402, 36-2430 and 36-8008 are currently leased to the Idaho Water Supply Bank.

CHARLES E.
BROCKWAY,
PH.D., P.E.

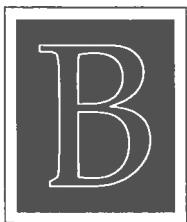
CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

Please copy our office on all correspondence regarding this application.

Sincerely,

Greg Sullivan, M.S., E.I.T.

Cc: Horizon Organic Dairy, Rob Williams

Enc: Transfer Application, Aerial Mapping, ESPA Model Analysis 1, 2, 3 and 4, Special
Power of Attorney, Warranty Deeds, Brockway Engineering Check # 10772 for
\$1940.00

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

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FAX: 736•8506