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 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

January 13, 2017

GRANT 4D FARMS
4647 MOUNTAIN PARK RD
CHUBBUCK ID 83202

**RESPONSE DEADLINE 2/15/2017**

**RE: Water Supply Bank Rental Fees for 2017 Rental Agreements**

Dear Renter,

Our records indicate that you may no longer be the owner of water right 36-2130C, 36-7850C and 36-8106C. The rental fee request letter issued to you on January 3, 2017 only requested the 10% administrative fee ($1.70/AF) for the 2017 rental of these water rights. If you are no longer the owner of these water rights, full rental fees ($17/AF) must be collected for the rental of these water rights.

Full rental fees for your 2017 rentals result in a payment owed of $3,604.00, as follows:

| Rental | Start | End | Water Right | Rental Volume (AF) | Total Rental Fee | Owner Fee (90%) | Admin Fee (10%) | Rental Fee Due Date |
|---|---|---|---|---|---|---|---|---|
| 1 | 2015 | 2019 | 36-2130C | 27.2 | $258.90 | $233.01 | $25.89 | 2/15/2017 |
| 1 | 2015 | 2019 | 36-7850C | 27.2 | $101.80 | $91.62 | $10.18 | 2/15/2017 |
| 1 | 2015 | 2019 | 36-8106C | 27.2 | $101.70 | $91.53 | $10.17 | 2/15/2017 |
| 1 | 2015 | 2019 | 36-2684 | 184.8 | $3,141.60 | $2,827.44 | $314.16 | 2/15/2017 |
| | | | **Total** | 212 | $3,604.00 | $3,243.60 | $360.40 | 2/15/2017 |

If have already remitted the amount requested on January 3, 2017, the outstanding balance required for the full rental of the above water rights is $416.16. Please ensure the appropriate rental fees are remitted to our office by the deadline above.

If you have questions about your rental, you can contact me at 208-287-4918.

Regards,

**Remington Buyer**
Water Supply Bank Coordinator

Enclosure: Rental Fee Request Letter, issued January 3, 2017

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C.L. "BUTCH" OTTER
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January 3, 2017

GRANT 4D FARMS
4647 MOUNTAIN PARK RD
CHUBBUCK ID 83202

**RESPONSE DEADLINE 2/15/2017**

**RE: Water Supply Bank Rental Fees for 2017 Rental Agreements**

Dear Renter,

The following are your 2017 water rentals from the Water Supply Bank:

| Rental | Start | End | Water Right | Rental Volume (AF) | Total Rental Fee | Owner Fee (90%) | Admin Fee (10%) | Rental Fee Due Date |
|---|---|---|---|---|---|---|---|---|
| 1 | 2015 | 2019 | 36-2130C | 27.2 | $25.89 | $0.00 | $25.89 | 2/15/2017 |
| 1 | 2015 | 2019 | 36-7850C | 27.2 | $10.18 | $0.00 | $10.18 | 2/15/2017 |
| 1 | 2015 | 2019 | 36-8106C | 27.2 | $10.17 | $0.00 | $10.17 | 2/15/2017 |
| 1 | 2015 | 2019 | 36-2684 | 184.8 | $3,141.60 | $2,827.44 | $314.16 | 2/15/2017 |
| | | | **Total** | 212 | $3,187.84 | $2,827.44 | $360.40 | 2/15/2017 |

Our records indicate that payment has not yet been received for the above water right rentals.

If you have not already done so, please remit payment of **$3,187.84** prior to the due dates above and enclose a copy of this letter with your payment.

If you have questions about your rental, you can contact me at 208-287-4918.

Regards,

**Remington Buyer**
Water Supply Bank Coordinator

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# WATER SUPPLY BANK RENTAL AGREEMENT

RECEIVED
SEP 02 2015
DEPARTMENT OF WATER RESOURCES

This is to certify that: **GRANT 4 D FARMS**
**707 E 600 N**
**RUPERT ID 83350**
**(208) 531-5149**

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board"), being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank, agrees to rent water as follows:

## Summary of Water Rights or Portions Rented from the Bank

| Water Right | Priority Date | Source | Tributary | Rented Rate | Annual Rented Volume | Acre Limit | Total Rented Acres |
|---|---|---|---|---|---|---|---|
| **36-2130C** | 6/7/1951 | Ground Water | NA | 0.09 cfs | 27.2 af | NA | 6.8 ac |
| **36-7850C** | 3/30/1979 | Ground Water | NA | 0.01 cfs | 27.2 af | NA | 6.8 ac |
| **36-8106C** | 8/10/1982 | Ground Water | NA | 0.03 cfs | 27.2 af | NA | 6.8 ac |
| | | **Total Annual Combined Limit** | | **NA** | **27.2 af** | **NA** | **6.8 ac** |
| **36-2684** | 3/2/1967 | Ground Water | NA | 0.77 cfs | 184.8 af | NA | 46.2 ac |
| | | **Total Annual Combined Limit** | | **0.77 cfs** | **184.8 af** | **NA** | **46.2 ac** |
| **Annual Combined Rental Totals** | | | | **0.90 cfs** | **212.0 af** | **NA** | **53.0 ac** |

**Term of Rental:** **September 1, 2015 thru December 31, 2019**

**Rental Fee:** **Years 2015-2017 $3,187.84 annually**
**Years 2018-2019 $3,750.40 annually**

The full fee for rental of the above-described water at $17/af is $3,604.00 for years 2015-2017 and $4,240.00 annually for years 2018-2019. Ten percent of that total ($360.40 2015-2017) ($424.00 2018-2019) will go to the Department for administrative costs, and the remainder will be paid to the lessor(s). Note that the applicant is the owner of water rights 36-2130C, 36-7850C, and 36-8106C, and is therefore obligated to pay only the administrative fee associated with those water rights. Therefore, the total payment due is $3,187.84 (2015-2017) and $3,750.40 (2018-2019) which includes the full administrative fee and the fee due to the lessor of 36-2684. An annual payment shall be received by the Department prior to February 15 each year for the duration of the rental period. The agreement will be void if payment is not received prior to the due date in a given year. To terminate the agreement prior to the end of the rental period, written notice must be received by the Department at least 30 days prior to the rental fee due date.

No rental fees will be refunded once the fee is collected and the start date for a Rental Agreement has passed.

SUPPORT DATA
IN FILE # 36-2130C

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# WATER SUPPLY BANK RENTAL AGREEMENT

Detailed water right conditions are attached.

The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:

| | | |
|---|---|---|
| Signature of Renter | Printed Name and Title* | Date 8/31/2015 |
| Signature of Renter | Printed Name and Title* | Date |

*Please provide title of signatory if signing on behalf of a company or organization or with power of attorney

Having determined that this agreement satisfied the provisions of Idaho Code § 42-1763 and IDAPA 37.02.03.030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and condition herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board.

By _____ Date September 2, 2015
BRIAN PATTON, Acting Administrator
Idaho Water Resource Board

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# WATER SUPPLY BANK RENTAL AGREEMENT

## WATER USE DETAILS

**LOCATION OF POINT(S) OF DIVERSION**

| | | | | | |
|---|---|---|---|---|---|
| GROUND WATER | NE¼SE¼ | Sec. 1 | Twp 08S | Rge 25E | MINIDOKA County |
| GROUND WATER | L2 NW¼NE¼ | Sec. 6 | Twp 08S | Rge 26E | MINIDOKA County |

**BENEFICIAL USE**

IRRIGATION

**SEASON OF USE**

03/15 - 11/15

**RENTER'S PLACE OF USE:** IRRIGATION

| Twp | Rge | Sec | NE | | | | NW | | | | SW | | | | SE | | | | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 08S | 25E | 1 | | 23.0 | 23.0 | | | | | | | | | | | 7.0 | | | 53.0 |

Total Acres: 53.0

**CONDITIONS APPLICABLE TO ALL RENTED WATER RIGHTS**

1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in any other department application process.
3. Use of water under this agreement does not constitute a dedication of the water to renter's place of use, and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
4. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
5. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
6. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
7. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
8. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
9. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
10. The right holder shall measure and annually report diversions of water and/or other pertinent hydrologic and system information as required by Section 42-701, Idaho Code.
11. This rental agreement does not authorize the construction of a well.
12. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the lands above.

13. Use of water under this agreement will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 130.

14. The following rights are diverted through the points of diversion described above: 36-2261, 36-2560, 36-2130D, 36-7850D, 36-8106D and 36-2101.

Form 4_-1761-2 01/15

STATE OF IDAHO
WATER RESOURCE BOARD

RECEIVED
JUN 05 2015
DEPARTMENT OF WATER RESOURCES

# APPLICATION TO RENT WATER FROM THE BOARD'S WATER SUPPLY BANK

**Applicant Name:** GRANT 4-D FARMS

**Is this application being submitted with a lease application as a lease/rental package?** Yes ☑ No ☐

An *Application to Rent Water from the Board's Water Supply Bank* must be completed in accordance with the minimum requirement checklist below to be acceptable for processing by the Idaho Department of Water Resources (IDWR). This checklist is part of the rental application and must be included with the rental application. **Applications that do not meet the minimum requirements will not be placed in the processing queue and may be returned until all minimum requirements have been met.**

Applications to rent water should be submitted well in advance of the desired start date for the use of water. Rental applications may be submitted as early as November 1 of the year prior to the intended use of rental water. Rental applications submitted more than one year in advance of the proposed start date for water use will not be accepted and will be returned to applicants. Rental applications will not be processed if they are received after the end of the rental season of use.

One rental application per beneficial use of water. One rental application can be submitted if you propose to rent water from multiple sources. For multiple beneficial uses of water, individual rental requests should be submitted for each unique beneficial use of water.

For additional instructions on completing a rental application, visit the Department's website at www.idwr.idaho.gov.

**Checked All Items as Either Attached (Yes) or Not Applicable (N/A)**

| | | YES | |
|---|---|---|---|
| | | ☑ | Completed *Application to Rent Water from the Board's Water Supply Bank* |
| **Attachment** | **N/A** | **YES** | |
| 2 | | ☑ | A map showing the proposed point(s) of diversion, place(s) of use, and water diversion and distribution systems proposed to be used with your rental request |
| 3A | ☐ | ☑ | Detailed information on a proposed use of rental water |
| 3E | ☐ | ☑ | Authorization from the owner/operator of the rental point(s) of diversion |
| 3G | ☐ | ☑ | Water modeling to account for the impacts of the rental request |
| 3J | ☑ | ☐ | Documents justifying a need to rent water for irrigation at a rate of flow greater than 0.02 cfs/acre |
| 3K | ☐ | ☑ | Authorization from the owner/operator of the property at the proposed rental place(s) of use |
| 4B | ☑ | ☐ | Explanation of how the rental water will sufficiently accomplish your rental purposes |
| 4C | ☑ | ☐ | Explanation of consumptive use amounts for water rights experiencing a change in nature of use |

**Department Use Only – Proposed Water Right(s)**

| | | | |
|---|---|---|---|
| 36-2130C | 36-2684 | 36-7850C | 36-8106C |

STATE OF IDAHO
WATER RESOURCE BOARD

## Application to Rent Water (Continued)

### 1. CONTACT INFORMATION

A. Applicant GRANT 4-D FARMS

Mailing Address 707 E 600 N Rupert, ID 83350

Email Address _____ Phone Number 208-531-5149

B. Is this application being completed by an authorized representative on behalf of the applicant? Yes ☑ No ☐

If yes, representatives (includes company employees if the applicant is a corporation, as well as legal counsel or consultants) should provide their information below if they desire to be included on correspondence with the rental applicant.

Representative Zach Latham Professional Title Hydrologist

Organization Brockway Engineering PLLC Relationship to Applicant Consultant

Mailing Address 2016 Washington St. N Suite #4 Twin Falls, ID 83301

Email Address zach.latham@brockwayeng.com Phone Number 208-736-8543

### 2. MAP

Create a map of the proposed point(s) of diversion, place(s) of use, and water diversion, delivery and distribution systems. Make sure the place of use is outlined with an obvious, bolded line. For irrigation purposes, note that the place of use outlined on your map cannot exceed the number of acres you are proposing to rent. Attach the map to this application and label it **Attachment 2**.

### 3. DESCRIPTION OF PROPOSED USE FOR RENTAL WATER

A. Describe the purpose of your rental request. Include any anticipated rates of water application, water use practices or number of stock (if any). If the proposed use is not for irrigation, please provide a detailed description of the proposed use and how you determined the amount of rental water required. Attach additional sheets if required and label it **Attachment 3A**:

Irrigation use.

B. Enter the desired and/or minimum necessary rates of flow, volume, or irrigable acres requested for your rental purposes:

| Desired Rate (Cubic Feet/Second) | Desired Volume (Acre-Foot) | Minimum Rate* (Cubic Feet/Second) | Minimum Volume* (Acre-Foot) | Acres (if applicable) (Acre) |
|---|---|---|---|---|
| **0.89** CFS | **212** AF | **0.89** CFS | **212** AF | **53.0** AC |

*Sometimes water rights available for rent provide an exceptionally low rate per acre and/or low volume per acre. This section is meant to establish an acceptable range of water sufficient for your proposed water use. Please see question 4B and complete if necessary.*

C. Enter the proposed start date and latest possible start date for using rental water. Also provide the number of years you would like to rent water:

| Proposed Start Date (month/day/year) | Latest Possible Start (month/day/year) | * Proposed Rental Duration (Max 5 Years) | ** For multi-year rentals, indicate whether you desire to rent water for remaining years if a rental request cannot be approved for the first year? | |
|---|---|---|---|---|
| 6/22/15 | 10/31/15 | 5 | ☑ **Yes**, approve rental for all remaining future years. | ☐ **No**, return rental request if first year is unapprovable. |

* *The number of years permissible for a rental is subject to the lease contract duration for the water right(s) being rented.*

** *Subject to the availability of rentable water. A multi-year rental that cannot begin during the first year requested may be approved for some or all remaining years, depending on availabilty. Rental requests will be returned if no water is available to rent in the first and/or subsequent years of the rental request.*

STATE OF IDAHO
WATER RESOURCE BOARD

## Application to Rent Water (Continued)

D. Refer to the map you created in item 2 and specify the location of the point(s) of diversion (POD) from which rental water is proposed to be diverted:

| Water Source | TWP | RGE | SEC | ¼ | ¼ | ¼ | County | Other water rights for the same purpose diverted from this POD |
|---|---|---|---|---|---|---|---|---|
| Ground Water | 8S | 25E | 1 | | NE | SE | MINIDOKA | 36-2101, 36-2261, 36-2560 etc. |
| Ground Water | 8S | 26E | 6 | NW | NW | NE | MINIDOKA | 36-2101, 36-2261, 36-2560 etc. |
| | | | | | | | | |
| | | | | | | | | |

The entry in this grid must match the map from item 2 on the application.

E. Do you own and/or possess the authority to divert water from the above POD(s)? Yes ☐ No ☑
**If no,** provide documentation from the owner/operator confirming your authorization to use the POD(s) and label it **Attachment 3E.**

F. Do any POD(s) identified in Question 3D divert from a water source that may require water modeling? Yes ☑ No ☐
*Refer to the Water Modeling Requirements Information Sheet to determine if a rental POD may require water modeling.*

G. Has water modeling been provided with your rental request? Yes ☑ No ☐

**If yes,** include as **Attachment 3G.** Otherwise please explain why modeling was not provided:
Please see attached ESPA model results, no mitigation required.

*Rental applications that require modeling will be returned if modeling is not provided.*

H. Specify the proposed beneficial use: ☑ Irrigation ☐ Commercial ☐ Industrial ☐ Municipal
☐ Groundwater Recharge ☐ Mining ☐ Stockwater ☐ Other: _____

I. Refer to the map you created in item 2 and specify below the places you propose to use water. If for irrigation, specify the number of acres to be irrigated per ¼ ¼ tract. Otherwise indicate usage by marking the ¼ ¼ tracts with the first letter of your proposed use identified above:

| TWP | RGE | SEC | NE | | | | NW | | | | SW | | | | SE | | | | TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 8S | 25E | 1 | | 23 | 23 | | | | | | | | | | | 7 | | | 53 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

The entry in this grid must match the map from item 2 on the application. Total Acres (for irrigation) 53

J. For irrigation uses, do you propose a water diversion rate greater than 0.02 cfs/acre? N/A ☐ Yes ☐ No ☑
**If yes,** explain the justification for this rate of flow and attach any supporting documents as **Attachment 3J:**

K. Do you own the land at the proposed rental place of use (POU)? Yes ☐ No ☑
**If no,** attach documentation from the POU owner/operator confirming your authorization to use the POU and label it **Attachment 3K.**

L. Describe your water distribution system and how water will be delivered from the POD(s) to the proposed POU(s):
Water will be diverted through existing wells and delivered to POU via buried main lines.

## Application to Rent Water (Continued)

M. List all other water rights and sources of water at the rental place of use for the same purpose and explain why additional water is required. Include privately owned water rights and water received from a municipal supplier, an irrigation district, a canal company, or any other water deliver entity:
36-2101, 36-2261, 36-2560, 36-2130D, 36-7850D, 36-8106D.

### 4. RENTAL REQUESTS FOR SPECIFIC WATER RIGHTS

A. Are you requesting to rent specific water rights? Yes ☑ No ☐
If yes, specify below the water rights you are requesting to rent. Otherwise continue to Section 5 of this application form.

**Please note:** Diversion rates and volumes to be rented from a leased water right must be proportionate to the per acre diversion rates and per acre volume limits of the water right leased to the Bank. Applicants should query a water right's rental availability by reviewing active lease and rental documents, searchable via IDWR's website, to ensure all elements of a water right remain available in sufficient quantity to satisfy a rental request.

Water rights identified below must either already be leased to the Bank or a lease proposal should accompany the rental request. **Rental requests for water rights not yet leased to the Bank will be returned if companion lease applications are not provided with the rental request.**

For leased rights with combined limits, applicants should request to rent against the combined limit diversion rate, volume or acre limits.

| Elements of Water Rights Leased to the Bank (Contract Details) | | | | | | | | Leased totals minus water actively engaged in rental agreement equals rental availability | Rental Request | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Right Number | Nature of Use | Water Source | Rate (CFS) | Volume (AF) | Acres (AC) | Start (year) | End (year) | | Rate (CFS) | Vol. (AF) | Acres (AC) |
| 36-2130C | Irrigation | Ground Water | 0.10 | 32 | 8 | 2015 | 2019 | | 0.10 | 32 | 8 |
| 36-2684 | Irrigation | Ground Water | 0.79 | 189.2 | 47.3 | 2015 | 2019 | | 0.75 | 180 | 45 |
| 36-7850C | Irrigation | Ground Water | 0.01 | 32 | 8 | 2015 | 2019 | | 0.01 | 32 | 8 |
| 36-8106C | Irrigation | Ground Water | 0.03 | 32 | 8 | 2015 | 2019 | | 0.03 | 32 | 8 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| *Applicants must ensure the requested rate per acre and volume per acre do not exceed the rate per acre and volume per acre that have been leased to the Water Supply Bank* | | | | | | | | TOTAL | 0.89 | 212 | 53.0 |
| | | | | | | | | | CFS | AF | AC |

*Attach multiple copies of this page if space above is insufficient to list all water rights requested to be rented on this application.*

B. If water right conditions, combined limits, or the sum of all water right elements being requested provide an unconventional duty of water (e.g., an unusually low rate per acre or volume per acre for irrigation use), explain how your proposed rental will sufficiently accomplish your intended purposes. Attach a separate page if space is insufficient and label it **Attachment 4B**:
N/A.

STATE OF IDAHO
WATER RESOURCE BOARD

## Application to Rent Water (Continued)

C. Does your rental request propose to change the nature of use for any water right(s) being requested? Yes ☐ No ☑

If yes, explain how the water right(s) will be converted to new uses. Include the historic, consumptive use amounts for the water right being rented, as well as the new consumptive use amount for your proposed beneficial use. Attach a separate page if space is insufficient and label it **Attachment 4C**:

N/A.

## 5. ADDITIONAL INFORMATION

A. Is this the first time that rental water is being requested for this purpose at the rental place of use? Yes ☐ No ☑

If no, list previous rental requests/agreements and explain why you have not secured a permanent water right for your needs:

Previous lease/rental applications for the proposed irrigation of the same 53 acres using the same portions of the same water rights listed above have been approved in 2004, 2008, 2009.

B. Have you or do you intend to submit an application for permit or transfer proposing a similar use as this rental? Yes ☐ No ☑

If yes, describe: N/A.

C. Was this rental application submitted in response to a Notice of Violation (NOV) or a pending NOV? Yes ☐ No ☑

If yes, describe the date and location of the NOV.

N/A.

## DECLARATION

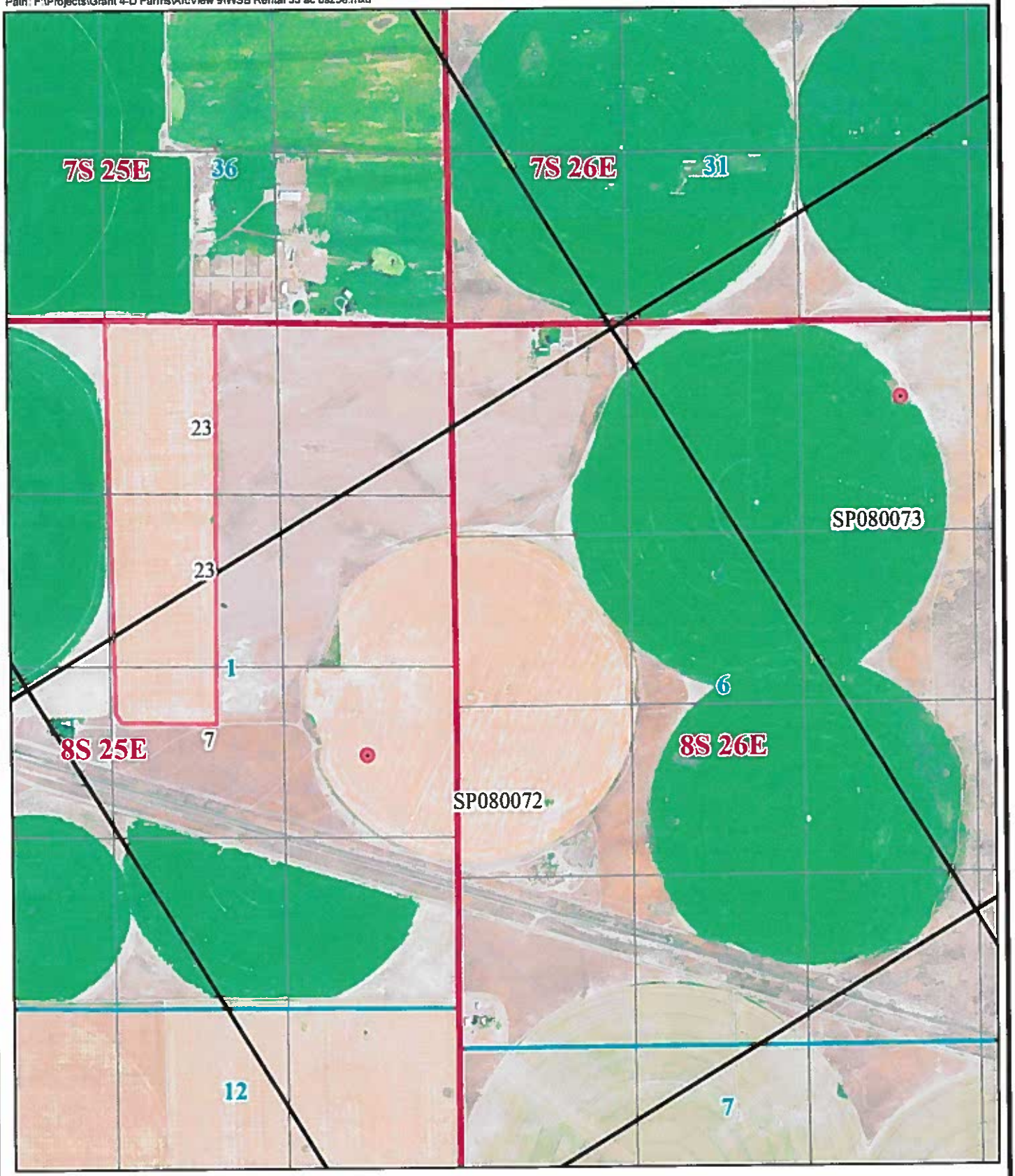
**I hereby assert that the information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval. I understand that if this rental application is approved, it will be subject to the provisions of Section 42-1766, Idaho Code and all applicable state and federal laws.**

| | | |
|---|---|---|
| Grant U-D Farms By [signature] | Grant U-D Farms By Duane R. Grant | 6/3/15 |
| Signature of Applicant | Printed Name of Applicant | Date |
| | | |
| Signature of Representative | Printed Name of Representative | Date |

**Mail to:**

Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Path: F:\Projects\Grant 4-D Farms\ArcView 9\WSB Rental 53 ac 8s25e.mxd




0 750 1,500 Feet

BROCKWAY ENGINEERING, PLLC
ALR - Date: 3/25/2015

**GRANT 4-D FARMS**
**WATER SUPPLY BANK RENTAL**
**2013 NAIP AERIAL**

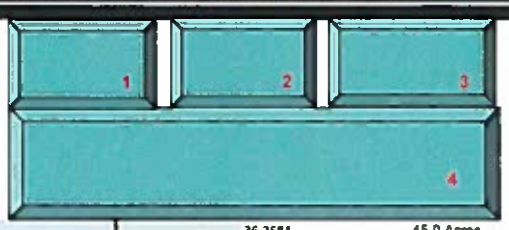
Legend
Rental POD
Rental POU
Model Grid
Twnshp
Sections
Iadesc

N

# ENHANCED GROUND-WATER RIGHTS TRANSFE

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries




212.0 Acres
70.7 Acres

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

YEAR 1950

SEASON SPRING

TRANSFER NO:

TRANSFER NAME:

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|---|---|---|---|---|
| ROW | 80 | 76 | 72 | |
| COLUMN | 72 | 71 | 67 | |

| | | |
|---|---|---|
| 36-2684 | 45.0 Acres | 180.0 AFA |
| 36-2130C | | 22.2 AFA |
| 36-7850C | 8.0 Acres | 2.3 AFA |
| 36-8106C | | 7.5 AFA |

| TRIMESTER OF ACTIVITY | TO WELL Projected Use AF/TRIMESTER | FROM1 WELL With Transfer AF/TRIMESTER | FROM1 WELL Without Transfer AF/TRIMESTER | FROM2 WELL With Transfer AF/TRIMESTER | FROM2 WELL Without Transfer AF/TRIMESTER | FROM3 WELL With Transfer AF/TRIMESTER | FROM3 WELL Without Transfer AF/TRIMESTER |
|---|---|---|---|---|---|---|---|
| SPR 1950 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1950 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WIN 1950 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPR 1951 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUM 1951 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1951 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1952 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1952 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1952 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1953 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1953 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1953 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1954 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1954 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1954 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1955 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1955 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1955 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1956 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1956 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1956 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1957 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1957 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1957 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1958 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1958 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1958 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1959 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1959 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1959 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1960 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1960 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1960 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1961 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1961 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1961 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1962 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1962 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1962 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1963 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1963 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1963 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1964 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1964 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1964 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1965 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1965 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1965 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1966 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1966 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1966 | 0.0 | 0.0 | 0.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1967 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1967 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1967 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1968 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1968 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1968 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1969 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1969 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1969 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1970 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1970 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1970 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1971 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1971 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1971 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1972 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1972 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1972 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1973 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1973 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1973 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1974 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1974 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1974 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1975 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1975 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |

# ENHANCED GROUND-WATER RIGHTS TRANSFE

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries

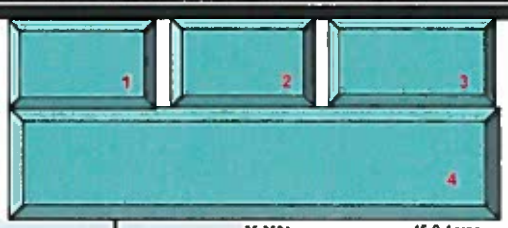
ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

YEAR 1950

SEASON SPRING

TRANSFER NO:

TRANSFER NAME:




212.0 Acres

70.7 Acres

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|---|---|---|---|---|
| ROW | 80 | 76 | 72 | |
| COLUMN | 72 | 71 | 67 | |

| | | |
|---|---|---|
| 36-2684 | 45.0 Acres | 180.0 AFA |
| 36-2130C | | 22.2 AFA |
| 36-7850C | 8.0 Acres | 2.3 AFA |
| 36-8106C | | 7.5 AFA |

| TRIMESTER OF ACTIVITY | TO WELL Projected Use AF/TRIMESTER | FROM1 WELL With Transfer AF/TRIMESTER | FROM1 WELL Without Transfer AF/TRIMESTER | FROM2 WELL With Transfer AF/TRIMESTER | FROM2 WELL Without Transfer AF/TRIMESTER | FROM3 WELL With Transfer AF/TRIMESTER | FROM3 WELL Without Transfer AF/TRIMESTER |
|---|---|---|---|---|---|---|---|
| WIN 1975 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1976 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1976 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1976 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1977 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1977 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1977 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1978 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SUM 1978 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| WIN 1978 | 0.0 | 60.0 | 60.0 | 7.4 | 7.4 | 0.0 | 0.0 |
| SPR 1979 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SUM 1979 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| WIN 1979 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SPR 1980 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SUM 1980 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| WIN 1980 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SPR 1981 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SUM 1981 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| WIN 1981 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SPR 1982 | 0.0 | 60.0 | 60.0 | 8.2 | 8.2 | 0.0 | 0.0 |
| SUM 1982 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1982 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1983 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1983 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1983 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1984 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1984 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1984 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1985 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1985 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1985 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1986 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1986 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1986 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1987 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1987 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1987 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1988 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1988 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1988 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1989 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1989 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1989 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1990 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1990 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1990 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1991 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1991 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1991 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1992 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1992 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1992 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1993 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1993 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1993 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1994 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1994 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1994 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1995 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1995 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1995 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1996 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1996 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1996 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1997 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1997 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1997 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1998 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1998 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1998 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 1999 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 1999 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 1999 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 2000 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 2000 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 2000 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 2001 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |

# ENHANCED GROUND-WATER RIGHTS TRANSFE

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries

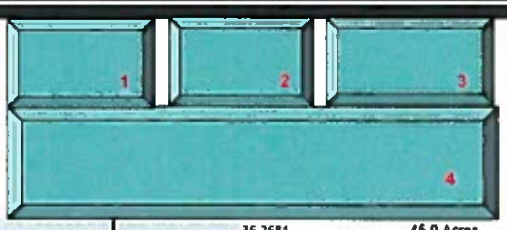
ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

YEAR 1950

SEASON SPRING

TRANSFER NO:

TRANSFER NAME:




212.0 Acres

70.7 Acres

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|---|---|---|---|---|
| ROW | 80 | 76 | 72 | |
| COLUMN | 72 | 71 | 67 | |

| | | |
|---|---|---|
| 36-2684 | 45.0 Acres | 180.0 AFA |
| 36-2130C | | 22.2 AFA |
| 36-7850C | 8.0 Acres | 2.3 AFA |
| 36-8106C | | 7.5 AFA |

| TRIMESTER OF ACTIVITY | TO WELL Projected Use AF/TRIMESTER | FROM1 WELL With Transfer AF/TRIMESTER | FROM1 WELL Without Transfer AF/TRIMESTER | FROM2 WELL With Transfer AF/TRIMESTER | FROM2 WELL Without Transfer AF/TRIMESTER | FROM3 WELL With Transfer AF/TRIMESTER | FROM3 WELL Without Transfer AF/TRIMESTER |
|---|---|---|---|---|---|---|---|
| SUM 2001 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 2001 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 2002 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 2002 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 2002 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 2003 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SUM 2003 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| WIN 2003 | 0.0 | 60.0 | 60.0 | 10.7 | 10.7 | 0.0 | 0.0 |
| SPR 2004 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2004 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2004 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2005 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2005 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2005 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2006 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2006 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2006 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2007 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2007 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2007 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2008 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2008 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2008 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2009 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2009 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2009 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2010 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2010 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2010 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2011 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2011 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2011 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2012 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2012 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2012 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2013 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2013 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2013 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2014 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2014 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2014 | 0.0 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2015 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2015 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2015 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2016 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2016 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2016 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2017 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2017 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2017 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2018 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2018 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2018 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2019 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2019 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2019 | 70.7 | 0.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2020 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2020 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2020 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2021 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2021 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2021 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2022 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2022 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2022 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2023 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2023 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2023 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2024 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2024 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2024 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2025 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2025 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2025 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2026 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2026 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2026 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |

# ENHANCED GROUND-WATER RIGHTS TRANSFE

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries

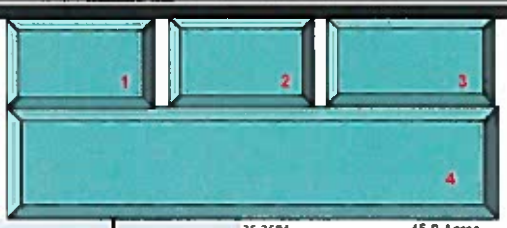
ENTER STARTING DATE FOR SIMULATION, THEN PUSH "UPDATE DATES" BUTTON

YEAR 1950

SEASON SPRING

TRANSFER NO:

TRANSFER NAME:




212.0 Acres

70.7 Acres

ENTER CELL LOCATIONS:

| | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |
|---|---|---|---|---|
| ROW | 80 | 76 | 72 | |
| COLUMN | 72 | 71 | 67 | |

| | | |
|---|---|---|
| 36-2684 | 45.0 Acres | 180.0 AFA |
| 36-2130C | | 22.2 AFA |
| 36-7850C | 8.0 Acres | 2.3 AFA |
| 36-8106C | | 7.5 AFA |

| TRIMESTER OF ACTIVITY | TO WELL Projected Use AF/TRIMESTER | FROM1 WELL With Transfer AF/TRIMESTER | FROM1 WELL Without Transfer AF/TRIMESTER | FROM2 WELL With Transfer AF/TRIMESTER | FROM2 WELL Without Transfer AF/TRIMESTER | FROM3 WELL With Transfer AF/TRIMESTER | FROM3 WELL Without Transfer AF/TRIMESTER |
|---|---|---|---|---|---|---|---|
| SPR 2027 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2027 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2027 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2028 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2028 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2028 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2029 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2029 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2029 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2030 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2030 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2030 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2031 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2031 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2031 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2032 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2032 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2032 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2033 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2033 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2033 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2034 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2034 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2034 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2035 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2035 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2035 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2036 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2036 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2036 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2037 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2037 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2037 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2038 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2038 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2038 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2039 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2039 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2039 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2040 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2040 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2040 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2041 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2041 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2041 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2042 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2042 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2042 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2043 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2043 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2043 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2044 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2044 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2044 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2045 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2045 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2045 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2046 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2046 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2046 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2047 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2047 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2047 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SPR 2048 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| SUM 2048 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| WIN 2048 | 0.0 | 60.0 | 60.0 | 0.0 | 10.7 | 0.0 | 0.0 |

Mitigation Analysis Period

Trimester Annual | 1 | 2 | Trimester AF/T

# Total Reach Depletion Impacts

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AF/T: | -0.1 | -0.2 | -1.2 | -4.1 | -0.53 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |

## One-Way Analysis of Independent Transfers

### Transfer 1 :

53.0 Acre Rental 2015 through 2019

100.0% Pre-SS 100.0 AFA 53.0 Acres
100.0% Post-SS 100.0 AFA 53.0 Acres

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

Impact by Reach (AF/Trimester)

| | Ashton to Rexburg | Hesse to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Mendota | Dev. Vol To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Malad | Malad | Malad to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Transfer 1: Proposed Steady State Impacts following Transfer** | | | | | | | | | | | |
| | 0.89 | 1.02 | 7.85 | 26.88 | 9.11 | 13.08 | 5.03 | 3.19 | 0.35 | 3.02 | 0.12 |
| | 0.75 | 0.87 | 6.48 | 22.77 | 7.88 | 11.02 | 4.24 | 2.69 | 0.30 | 2.54 | 0.10 |
| **Transfer: Worst Case Transient State Impacts following Transfer** | | | | | | | | | | | |
| | 0.89 | 1.02 | 7.85 | 26.88 | 9.11 | 13.08 | 5.03 | 3.19 | 0.35 | 3.02 | 0.12 |
| | 0.75 | 0.87 | 6.48 | 22.77 | 8.58 | 11.02 | 4.24 | 2.69 | 0.30 | 2.54 | 0.10 |
| Steady State Analysis: Mitigation Check 1 - >10% of Historical | -15.5% | 15.4% | -15.4% | -15.3% | -13.4% | -15.8% | -15.8% | -15.8% | -15.8% | -15.8% | -15.8% |
| Mitigation Check 2 - > 2 AF/T | -0.1 | -0.2 | -1.2 | -4.1 | -1.2 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |
| Mitigation Check 3 - >10% of Total | 1.3% | 1.5% | 16.9% | 30.2% | 13.2% | 19.8% | 7.1% | 4.5% | 0.5% | 4.3% | 0.2% |
| Mitigation Required? | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol Req'd (ac-ft) | -0.1 | -0.2 | -1.2 | -4.1 | -1.2 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |
| Transient State Analysis: Mitigation Check 1 - >10% of Historical | -15.5% | -15.4% | -15.4% | -15.3% | -8.8% | -15.79% | -15.8% | -15.8% | -15.8% | -15.8% | -15.8% |
| Mitigation Check 2 - > 2 AF/T | -0.1 | -0.2 | -1.2 | -4.1 | -0.53 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |
| Mitigation Required? | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol Req'd (ac-ft) | -0.1 | -0.2 | -1.2 | -4.1 | -0.5 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |

Reset Mit

### Transfer 2 :

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

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

Impact by Reach (AF/Trimester)

| | Ashton to Rexburg | Hesse to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Mendota | Dev. Vol To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Malad | Malad | Malad to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Transfer: Proposed Steady State Impacts following Transfer** | | | | | | | | | | | |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Transfer 1: Worst Case Transient State Impacts following Transfer** | | | | | | | | | | | |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Steady State Analysis: Mitigation Check 1 - >10% of Historical | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.00% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Mitigation Check 2 - > 2 AF/T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mitigation Check 3 - >10% of Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Mitigation Required? | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol Req'd (ac-ft) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Transient State Analysis: Mitigation Check 1 - >10% of Historical | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.00% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Mitigation Check 2 - > 2 AF/T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mitigation Required? | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol Req'd (ac-ft) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

### Transfer 3 :

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

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

Impact by Reach (AF/Trimester)

| | Ashton to Rexburg | Hesse to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Mendota | Dev. Vol. To Buhl | Buhl to Kaor | Kaor | Kaor to Malad | Malad | Malad to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Transfer: Proposed Steady State Impacts following Transfer** | | | | | | | | | | | |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Transfer: Worst Case Transient State Impacts following Transfer** | | | | | | | | | | | |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Steady State Analysis: Mitigation Check 1 - >10% of Historical | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.00% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Mitigation Check 2 - > 2 AF/T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mitigation Check 3 - >10% of Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Mitigation Required?: | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol Req'd (ac-ft) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Transient State Analysis: Mitigation Check 1 - >10% of Historical | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.00% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Mitigation Check 2 - > 2 AF/T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mitigation Required? | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Mitigation Vol Req'd (ac-ft) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

## 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 | Hesse to Shelley | Shelley to Nr Bickff | Nr Bickff To Neeley | Neeley to Minidoka | Dev Vlbl To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Milner | Milner | Milner to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.1 | -0.2 | -1.2 | -4.1 | -1.2 | -2.1 | -0.8 | -0.5 | -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 | -0.1 | -0.2 | -1.2 | -4.1 | -1.2 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 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.

**Transient State Summary of Modified Stream Depletions Following Transfer(s)**
Impact by Reach (AF/Trimester)

| | Ashton to Rexburg | Hesse to Shelley | Shelley to Nr Bickff | Nr Bickff To Neeley | Neeley to Minidoka | Dev Vlbl To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Milner | Milner | Milner to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.1 | -0.2 | -1.2 | -4.1 | -0.5 | -2.1 | -0.8 | -0.5 | -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 |
| | -0.1 | -0.2 | -1.2 | -4.1 | -0.5 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 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 (CFS) | Con Vol (AFA) | No. of Nr 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 (AF/Trimester)

| | Ashton to Rexburg | Hesse to Shelley | Shelley to Nr Bickff | Nr Bickff To Neeley | Neeley to Minidoka | Dev Vlbl To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Milner | Milner | Milner to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

Hide/Mix

## 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 | Hesse to Shelley | Shelley to Nr Bickff | Nr Bickff To Neeley | Neeley to Minidoka | Dev Vlbl To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Milner | Milner | Milner to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total 1-Way Transfer Depletions | -0.1 | -0.2 | -1.2 | -4.1 | -1.2 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 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 |
| | -0.1 | -0.2 | -1.2 | -4.1 | -1.2 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |

**Transient State Summary of Modified Stream Depletions Following Transfer(s)**
Impact by Reach (AF/Trimester)

| | Ashton to Rexburg | Hesse to Shelley | Shelley to Nr Bickff | Nr Bickff To Neeley | Neeley to Minidoka | Dev Vlbl To Buhl | Buhl to 1000 Spr | 1000 Spr | 1000 Spr to Milner | Milner | Milner to Bancroft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total 1-Way Transfer Depletions | -0.1 | -0.2 | -1.2 | -4.1 | -0.5 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 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 |
| | -0.1 | -0.2 | -1.2 | -4.1 | -0.5 | -2.1 | -0.8 | -0.5 | -0.1 | -0.5 | 0.0 |