



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](http://www.idwr.idaho.gov)

GARY SPACKMAN  
Director

C.L. "BUTCH" OTTER  
Governor

March 17, 2015

KBC FARMS LLC  
3010 MCKINLEY  
AMERICAN FALLS ID 83211

RE: RETURNED WATER SUPPLY BANK RENTAL APPLICATION

Dear Applicant,

Pursuant to a phone conversation that took place today with Greg Sullivan of Brockway Engineering the Department of Water Resources is returning your rental application.

Apparently your upcoming water uses are covered by other means and your rental application is not necessary.

If you have any questions regarding this matter, please discuss this matter with Mr. Sullivan or you may reach me at (208) 287-4944.

Sincerely,

A handwritten signature in cursive script that reads "Cherie Palmer".

Cherie Palmer  
Water Rights Supervisor  
Water Allocation Bureau

Enclosure Rental Application

C: Greg Sullivan-Brockway Engineering PLLC *w/o encl.*



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GARY SPACKMAN  
Director

C.L. "BUTCH" OTTER  
Governor

February 18, 2015

KBC FARMS LLC  
3010 MCKINLEY  
AMERICAN FALLS ID 83211

**RESPONSE DEADLINE**

**MARCH 4, 2015**

### RE: Water Supply Bank Rental Application – Additional Information Required

Dear Applicant,

The Idaho Department of Water Resources received your application to rent water rights 35-14040, 43-13595, and 43-13597 from the Idaho Water Resource Board's Water Supply Bank. As submitted, your application cannot be approved for the following reasons:

- Requested water rights 43-13595 and 43-13597 are not available for rental as they have already been committed to other renters. You must find replacement water rights.

When selecting replacement water rights, you may not select water rights that are located on the Water Supply Bank Processing spreadsheet (spreadsheet) that is located at the Water Resource Board's website unless sufficient volume is available for all proposed rental requests as depicted on the spreadsheet.

I will place your application on hold while you submit your additional information. Please provide the required information within fourteen (14) days. While you are making corrections to your application, you will not lose your place in the processing queue.

If sufficient information per this letter is not received within 14 days, your application will not be processed and will be returned to you.

Please contact me if you have questions regarding this matter at (208) 287-4944.

Sincerely,

Cherie Palmer, Water Rights Supervisor  
Water Allocation Bureau

c: GREG SULLIVAN-BROCKWAY ENGINEERING PLLC



**BROCKWAY**  
ENGINEERING  
P.L.L.C.

Hydraulics

Hydrology

Water Resources

December 16, 2014

Cherie Palmer  
Idaho Water Supply Bank  
Idaho Department of Water Resources  
P.O. Box 83720  
Boise, ID 83720-0098

**RECEIVED**

**DEC 19 2014**

**DEPARTMENT OF  
WATER RESOURCES**

Re: KBC Farms LLC

Dear Mrs. Palmer:

KBC Farms LLC is submitting a lease application and a rental application. The lease application will set aside 47.9 acres of water right 35-14308 for 2015 and 2016. The lease will satisfy the currently contracted rental to Houghland Farms Inc.

The rental application proposes to rent 37.6 acres for the 2015 and 2016 irrigation seasons from water rights 35-14040, 43-13595 and 43-13597. The ESPA Model analysis has been performed and no mitigation is required due to the proposed rental.

Please copy our office on all correspondence regarding these applications. Thank you for your assistance and if you have questions or comments, please don't hesitate to call.

Sincerely,

Greg Sullivan, M.S., Engineer

Cc: KBC Farms LLC

Enc: Lease Application, Rental Application, Aerial Maps, ESPA Model Analysis, Brockway Engineering Check# 12380 for \$250.00

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

RECEIVED

DEC 19 2014

DEPARTMENT OF  
WATER RESOURCES

STATE OF IDAHO  
WATER RESOURCE BOARD

APPLICATION TO RENT WATER  
FROM THE WATER SUPPLY BANK

This application must be prepared in accordance with the minimum requirements listed to be acceptable for processing by the Department. Incomplete applications will be returned.

Name of Renter(s) KBC Farms LLC  
Mailing Address 3010 McKinley American Falls, Idaho 83211  
Phone 208-226-2773 Email \_\_\_\_\_

A. DESCRIPTION OF WATER SOUGHT FOR RENT

1. Maximum Flow Rate (cfs) 0.41 Maximum Volume (ac-ft) 150 Nature of Use Irrigation Period of Use 4/01 to 10/31  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Total: 0.41 150

2. Source of water Ground Water tributary to \_\_\_\_\_

3. Point(s) of Diversion:

| TWP         | RGE | SEC | GOVT LOT | 1/4 | 1/4 | 1/4 | County |
|-------------|-----|-----|----------|-----|-----|-----|--------|
| See Exhibit | A   |     |          |     |     |     |        |
|             |     |     |          |     |     |     |        |
|             |     |     |          |     |     |     |        |
|             |     |     |          |     |     |     |        |

4. Lands to be irrigated or place of use:

| 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  | 29E | 14  |    |    |    |    |    |    |    |    | 3.0 | 3.6 | 25.2 | 5.8 |    |    |    |    | 37.6   |
|     |     | 15  |    |    |    |    |    |    |    |    |     |     |      |     |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |     |     |      |     |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |     |     |      |     |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |     |     |      |     |    |    |    |    |        |

If the use is for irrigation, show total number of acres proposed through rental. Total Acres 37.6

B. OWNERSHIP

1. Do you own the land at the proposed point of diversion? Yes ☒ No ☐  
If no, list owner, contact information, and attach a copy of the agreement or other written authority to use the proposed point of diversion. \_\_\_\_\_
2. Do you own the land at the proposed place of use? Yes ☒ No ☐  
If no, list owner, contact information, and attach a copy of the agreement or other written authority to use the proposed place of use. \_\_\_\_\_

C. MAP

Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described by this application in section A. Include legal description labels.

#### D. GENERAL INFORMATION

1. Please provide a description of the proposed diversion system.  
Existing wells, mainlines and irrigation systems  
\_\_\_\_\_
2. Describe any other water rights diverted through the same point(s) of diversion or used for the same purpose(s) as described above.  
This area is part of a 6154 acres PPU with multiple water rights.  
\_\_\_\_\_
3. Will the proposed place of use receive water from any other source? Yes ☐ No ☒  
If yes, describe. \_\_\_\_\_
4. If the proposed use is not for irrigation, please provide a detailed description of the proposed use and how you determined the amount of water required. Attach additional sheets if needed. N/A  
\_\_\_\_\_
5. Are there any other applications pending before the Department, such as an application for permit or transfer, for the same use(s) proposed by this rental? Yes ☐ No ☒  
If yes, describe. \_\_\_\_\_
6. Was this rental application submitted in response to a Notice of Violation or a pending Notice of Violation? Yes ☐ No ☒  
If yes, describe. \_\_\_\_\_

#### E. RENTAL TERM

- Do you wish to rent water from the Board's bank for more than one (1) year? Yes ☒ No ☐  
If yes, please specify the number of years desired through proposed rental. 2015 and 2016

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.

If this application is approved, the applicant agrees to the following:

1. The use of water under this agreement shall be subject to the provisions of Section 42-1766, Idaho Code.
2. Renter shall comply with all applicable state and federal laws while using water under this agreement.
3. Renter shall hold the Board, the Director, and the state of Idaho harmless from all liability on account of negligent acts of the renter.
4. 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.
5. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
6. Renter is not authorized to use water proposed by this application until the rental fees are paid in full and the renter receives an executed copy of the agreement signed by the Director.

Signature of Applicant

Printed Name and Title\*

Date

Signature of Applicant

Printed Name and Title\*

Date

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

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

## Points of Diversion

[illegible]



**KOOMPIN, KLARIN**  
**WATER BANK RENTAL 37.5 ACRES**  
**NAIP 2013 AERIAL PHOTO**

Legend

- ☒ WSB Rental 37.5 ac
- ☐ township
- ☐ sections
- ☐ QQ Lines



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)                                          |                  |                      |                     |                   |                 |                  |                      |                   |                   |      |     |     |
| Ashion to Resburg                                                        | Hesse to Shelley | Shelley to N. Bickft | N. Bickft to Neeley | Neeley to Mindoka | Dev Wbl To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Malad | Malad to Bancroft |      |     |     |
| 1                                                                        | -0.1             | -0.1                 | -1.0                | -3.5              | -9.0            | -1.6             | -0.6                 | -0.4              | 0.0               | -0.4 | 0.0 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 0.0 |
| Summary                                                                  | -0.1             | -0.1                 | -1.0                | -3.5              | -9.0            | -1.6             | -0.6                 | -0.4              | 0.0               | -0.4 | 0.0 | 0.0 |

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

| Impact by Reach (AFT/Trimester) |                  |                      |                     |                   |                 |                  |                      |                   |                   |      |     |     |
|---------------------------------|------------------|----------------------|---------------------|-------------------|-----------------|------------------|----------------------|-------------------|-------------------|------|-----|-----|
| Ashion to Resburg               | Hesse to Shelley | Shelley to N. Bickft | N. Bickft to Neeley | Neeley to Mindoka | Dev Wbl To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Malad | Malad to Bancroft |      |     |     |
| 1                               | -0.1             | -0.1                 | -1.0                | -2.5              | 1.7             | -1.4             | -0.6                 | -0.3              | 0.0               | -0.3 | 0.0 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 0.0 |
| Summary                         | -0.1             | -0.1                 | -1.0                | -2.5              | 0.0             | -1.4             | -0.6                 | -0.3              | 0.0               | -0.3 | 0.0 | 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 Tr 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

|                  |     |     |     |     |     |     |     |     |     |     |     |     |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | 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 | 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)                                          |                  |                      |                     |                   |                 |                  |                      |                   |                   |      |     |     |
| Ashion to Resburg                                                        | Hesse to Shelley | Shelley to N. Bickft | N. Bickft to Neeley | Neeley to Mindoka | Dev Wbl To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Malad | Malad to Bancroft |      |     |     |
| Total 1-Way Transfer Depletions                                          | -0.1             | -0.1                 | -1.0                | -3.5              | -9.0            | -1.6             | -0.6                 | -0.4              | 0.0               | -0.4 | 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 | 0.0 |
| Summary                                                                  | -0.1             | -0.1                 | -1.0                | -3.5              | -9.0            | -1.6             | -0.6                 | -0.4              | 0.0               | -0.4 | 0.0 | 0.0 |

  

| Transient State Summary of Modified Stream Depletions Following Transfer(s) |                  |                      |                     |                   |                 |                  |                      |                   |                   |      |     |     |
|-----------------------------------------------------------------------------|------------------|----------------------|---------------------|-------------------|-----------------|------------------|----------------------|-------------------|-------------------|------|-----|-----|
| Impact by Reach (AFT/Trimester)                                             |                  |                      |                     |                   |                 |                  |                      |                   |                   |      |     |     |
| Ashion to Resburg                                                           | Hesse to Shelley | Shelley to N. Bickft | N. Bickft to Neeley | Neeley to Mindoka | Dev Wbl To Buhl | Buhl to 1000 Spr | 1000 Spr to 1000 Spr | 1000 Spr to Malad | Malad to Bancroft |      |     |     |
| Total 1-Way Transfer Depletions                                             | -0.1             | -0.1                 | -1.0                | -2.5              | 0.0             | -1.4             | -0.6                 | -0.3              | 0.0               | -0.3 | 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 | 0.0 |
| Summary                                                                     | -0.1             | -0.1                 | -1.0                | -2.5              | 0.0             | -1.4             | -0.6                 | -0.3              | 0.0               | -0.3 | 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

YEAR  
SEASON

1950

TRANSFER NO:

TRANSFER NAME:

1

2

3

4

ENTER CELL LOCATIONS:

|        | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL | Acres              | AFA  |
|--------|-----------|--------------|--------------|--------------|--------------------|------|
| ROW    | 93        | 66           | 92           | 0            | 35-14040           | 25   |
| COLUMN | 90        | 128          | 71           | 0            | 43-13595 5/4/1978  | 8.5  |
|        |           |              |              |              | 43-13597 5/23/1962 | 4.1  |
|        |           |              |              |              |                    | 100  |
|        |           |              |              |              |                    | 34.1 |
|        |           |              |              |              |                    | 16.3 |

| TRIMESTER OF ACTIVITY | TO WELL                    | FROM1 WELL                 |                               | FROM2 WELL                 |                               | FROM3 WELL                 |                               |
|-----------------------|----------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|
|                       | Projected Use AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER | With Transfer AF/TRIMESTER | Without Transfer AF/TRIMESTER |
| SPR 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                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1951              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1952              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1952              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1952              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1953              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1953              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1953              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1954              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1954              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1954              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1955              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1955              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1955              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1956              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1956              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1956              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1957              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1957              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1957              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1958              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1958              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1958              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1959              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1959              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1959              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1960              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1960              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1960              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1961              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1961              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| WIN 1961              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SPR 1962              | 0.0                        | 0.0                        | 0.0                           | 0.0                        | 0.0                           | 0.0                        | 0.0                           |
| SUM 1962              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1962              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1963              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1963              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1963              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1964              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1964              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1964              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1965              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1965              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1965              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1966              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1966              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1966              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1967              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1967              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1967              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1968              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1968              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1968              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1969              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1969              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1969              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1970              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1970              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1970              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1971              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1971              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1971              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1972              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1972              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1972              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1973              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1973              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1973              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SPR 1974              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| SUM 1974              | 0.0                        | 0.0                        | 0.0                           | 5.4                        | 5.4                           | 0.0                        | 0.0                           |
| WIN 1974              | 0.0                        | 33.3                       | 33.3                          | 5.4                        | 5.4                           | 0.0                        | 0.0                           |

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TRANSFER NO:

YEAR  
SEASON

1950

TRANSFER NAME:

ENTER CELL LOCATIONS:

|        | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL |                    | Acres | AFA  |
|--------|-----------|--------------|--------------|--------------|--------------------|-------|------|
| ROW    | 93        | 66           | 92           | 0            | 35-14040           | 25    | 100  |
| COLUMN | 90        | 128          | 71           | 0            | 43 13595 5/4/1978  | 8.5   | 34.1 |
|        |           |              |              |              | 43 13597 5/23/1962 | 4.1   | 16.3 |

| TRIMESTER<br>OF<br>ACTIVITY | TO WELL<br>Projected Use<br>AF/TRIMESTER | FROM1 WELL                    |                                  | FROM2 WELL                    |                                  | FROM3 WELL                    |                                  |
|-----------------------------|------------------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             |                                          | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| SPR 1975                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SUM 1975                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| WIN 1975                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SPR 1976                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SUM 1976                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| WIN 1976                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SPR 1977                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SUM 1977                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| WIN 1977                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SPR 1978                    | 0.0                                      | 33.3                          | 33.3                             | 5.4                           | 5.4                              | 0.0                           | 0.0                              |
| SUM 1978                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1978                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1979                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1979                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1979                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1980                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1980                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1980                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1981                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1981                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1981                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1982                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1982                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1982                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1983                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1983                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1983                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1984                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1984                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1984                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1985                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1985                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1985                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1986                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1986                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1986                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1987                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1987                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1987                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1988                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1988                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1988                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1989                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1989                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1989                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1990                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1990                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1990                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1991                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1991                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1991                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1992                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1992                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1992                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1993                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1993                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1993                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1994                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1994                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1994                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SPR 1995                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| SUM 1995                    | 0.0                                      | 33.3                          | 33.3                             | 16.8                          | 16.8                             | 0.0                           | 0.0                              |
| WIN 1995                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 1996                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 1996                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 1996                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 1997                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 1997                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 1997                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 1998                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 1998                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 1998                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 1999                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 1999                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 1999                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |

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

TRANSFER NO:

YEAR 1950  
SEASON

TRANSFER NAME:

ENTER CELL LOCATIONS:

|        | TO' CELL | FROM1' CELL | FROM2' CELL | FROM3' CELL | Acres              | AFA |
|--------|----------|-------------|-------------|-------------|--------------------|-----|
| ROW    | 93       | 66          | 92          | 0           | 35-14040           | 25  |
| COLUMN | 90       | 128         | 71          | 0           | 43-13595 5/4/1978  | 85  |
|        |          |             |             |             | 43-13597 5/23/1962 | 41  |
|        |          |             |             |             |                    | 163 |

| TRIMESTER<br>OF<br>ACTIVITY | TO WELL<br>Projected Use<br>AF/TRIMESTER | FROM1 WELL                    |                                  | FROM2 WELL                    |                                  | FROM3 WELL                    |                                  |
|-----------------------------|------------------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             |                                          | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| SPR 2000                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2000                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2000                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2001                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2001                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2001                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2002                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2002                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2002                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2003                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2003                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2003                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2004                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2004                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2004                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2005                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2005                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2005                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2006                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2006                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2006                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2007                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2007                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2007                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2008                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2008                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2008                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2009                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2009                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2009                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2010                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2010                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2010                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2011                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2011                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2011                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2012                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2012                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2012                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2013                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2013                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2013                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2014                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2014                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2014                    | 0.0                                      | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2015                    | 50.1                                     | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2015                    | 50.1                                     | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2015                    | 50.1                                     | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2016                    | 50.1                                     | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2016                    | 50.1                                     | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2016                    | 50.1                                     | 0.0                           | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2017                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2017                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2017                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2018                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2018                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2018                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2019                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2019                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2019                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2020                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2020                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2020                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2021                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2021                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2021                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2022                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2022                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2022                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2023                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2023                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2023                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SPR 2024                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| SUM 2024                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |
| WIN 2024                    | 0.0                                      | 33.3                          | 33.3                             | 0.0                           | 16.8                             | 0.0                           | 0.0                              |

# ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPT

Cells this color are  
set up for user entries

ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH  
"UPDATE DATES" BUTTON  
YEAR 1950  
SEASON

TRANSFER NO:

TRANSFER NAME:

ENTER CELL LOCATIONS:

|        | 'TO' CELL | 'FROM1' CELL | 'FROM2' CELL | 'FROM3' CELL | Acres              | AFA  |
|--------|-----------|--------------|--------------|--------------|--------------------|------|
| ROW    | 93        | 66           | 92           | 0            | 35-14040           | 25   |
| COLUMN | 90        | 128          | 71           | 0            | 43-13595 5/4/1978  | 8 5  |
|        |           |              |              |              | 43-13597 5/23/1962 | 4 1  |
|        |           |              |              |              |                    | 100  |
|        |           |              |              |              |                    | 34.1 |
|        |           |              |              |              |                    | 16.3 |

| TRIMESTER<br>OF<br>ACTIVITY | TO WELL<br>Projected Use<br>AF/TRIMESTER | FROM1 WELL<br>With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | FROM2 WELL<br>With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | FROM3 WELL<br>With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
|-----------------------------|------------------------------------------|---------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|
| SPR 2025                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2025                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2025                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2026                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2026                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2026                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2027                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2027                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2027                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2028                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2028                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2028                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2029                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2029                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2029                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2030                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2030                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2030                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2031                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2031                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2031                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2032                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2032                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2032                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2033                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2033                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2033                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2034                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2034                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2034                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2035                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2035                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2035                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2036                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2036                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2036                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2037                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2037                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2037                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2038                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2038                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2038                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2039                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2039                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2039                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2040                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2040                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2040                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2041                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2041                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2041                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2042                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2042                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2042                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2043                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2043                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2043                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2044                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2044                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2044                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2045                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2045                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2045                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2046                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2046                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2046                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2047                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2047                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2047                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SPR 2048                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| SUM 2048                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |
| WIN 2048                    | 0.0                                      | 33.3                                        | 33.3                             | 0.0                                         | 16.8                             | 0.0                                         | 0.0                              |