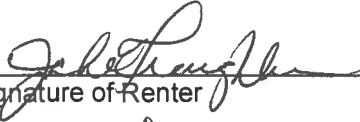


DEPARTMENT OF
WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT

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


Signature of Renter

Jake Traugber
Printed Name and Title*

4-27-15
Date


Signature of Renter

Jennifer Traugber
Printed Name and Title*

4-27-15
Date

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

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


By

BRIAN PATTON, Acting Administrator
Idaho Water Resource Board

Date April 30, 2015

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WATER SUPPLY BANK RENTAL AGREEMENT

WATER USE DETAILS

LOCATION OF POINT(S) OF DIVERSION

GROUND WATER SW¼NW¼ Sec. 9 Twp 09S Rge 17E JEROME County

BENEFICIAL USE

COMMERCIAL AND STOCKWATER

SEASON OF USE

03/15 TO 11/15

RENTER'S PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09N	17E	9							X										

Total Acres:

CONDITIONS APPLICABLE TO ALL RENTED WATER RIGHTS

1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in any other department application process.
3. Use of water under this agreement does not constitute a dedication of the water to renter's place of use, and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
4. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
5. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
6. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
7. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
8. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
9. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
10. The water rented under this agreement is appurtenant to a dairy facility.
11. This rental agreement does not authorize the construction of a well.
12. Use of water under this agreement will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 130.

13. The following rights are diverted through point(s) of diversion described above: 36-11081 and 36-15271

CONDITION APPLICABLE TO RIGHT 36-16140

14. This water right is subordinate to all water rights with a priority date earlier than April 12, 1994, that are not decreed as enlargements pursuant to Section 42-1426, Idaho Code. As between water rights decreed as enlargements pursuant to Section 42-1426, Idaho Code, the earlier priority right is the superior right.

STATE OF IDAHO
WATER RESOURCE BOARDAPPLICATION TO RENT WATER
FROM THE WATER SUPPLY BANK

RECEIVED

DEC 10 2014

DEPARTMENT OF
WATER RESOURCES

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) Jake and Jennifer TraugherMailing Address 368 South 200 East Jerome Idaho 83338

Phone _____

Email _____

A. DESCRIPTION OF WATER SOUGHT FOR RENT

1. <u>Maximum Flow Rate (cfs)</u>	<u>Maximum Volume (ac-ft)</u>	<u>Nature of Use</u>	<u>Period of Use</u>	
<u>0.10</u>	<u>32.0</u>	<u>Stock/Commerical</u>	<u>01/01</u>	to <u>12/31</u>
<u>0.0</u>	<u>6.0</u>	<u>Stock/Commerical</u>	<u>01/01</u>	to <u>12/31</u>
				to _____
Total: <u>0.10</u>	<u>38.0</u>			

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
09S	17E	9			SW	NW	Jerome
09S	17E	9			SW	NW	

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	
09S	17E	9							X										

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

Total Acres _____

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.

Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

Copyright 1998 by Brockway Engineering, PLLC

The information, data, or computational procedures herein may not be duplicated without the express written consent of Brockway Engineering.

COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Jake and Jennifer Traugher

Revision: 9801

Run Date: 10/3/2013

Remarks:

Herd Information - User Input

Number of milking cows	649
Number of dry cows	75
Number of other adult dry animals	6

Breed: Large

Calves at age:

1 month	0
2 months	0
3 months	0
4 months	114

Heifers at age:

5 - 18 months	164
15 - 18 months	165
18 - 24 months	57

ANIMAL INFORMATION

Use defaults or enter values if known

Average body weight	1300	lbs
Milk fat percentage	3.3	%
Average days dry	60	
Annual milk yield per animal	23000	lbs/year
Percent dry matter in ration	90	%

Nearest weather station Jerome

Number of milkings/day 3

Check: Total herd size based on days dry 493
HERD SIZE NOT CONSISTENT WITH DAYS DRY

Lagoon Information - User Input

Lagoon Number	Top width	Top length	SS (h:v)	Max depth	Average depth factor	% days with water	Top Area	Bottom Area	Average Area
1	150	160	3	6	0.8	100	24000	18744	22949
2	200	130	3	8	0.8	100	26000	18656	24531
3									
4									
5									
6									
7									
8									
9									
10									
TOTAL ACRES							1.15	0.86	1.09

Facility Information - User Input

	Holding Pen 1	Holding Pen 2	
Holding pen active	1	0	(0 = not used or nonexistent)
Number of sprinklers in pen	0		
Average line pressure	30		psi
Sprinkler nozzle size - primary	0	0	inches
Sprinkler nozzle size - secondary	0	0	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	0		minutes
Percent of days per year cows are washed	0		%

Number of free stalls	380	
Length of each free stall	8	feet
Width of each free stall	3	feet

Is the feeding area flushed to lagoon?	Yes
Is this housing area flushed to lagoon?	No

	Barn	Feeding	Housing
Flushing recycle rate	0%	100%	0%

CLEANING VOLUMES

Use defaults or enter manufacturer volumes

Cleaning parlor floor	1750	3000	Cleaning pipeline	300	400
Cleaning milkroom	0	200	Cleaning equipment	100	200
Cleaning bulk tank	0	400			

Land Application Information - User Input

Type of system	Hand Lines
Predominant cropping	FCorn

Percent of waste water which goes to meet crop irrigation requirement	10 %
---	------

Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	20585 lbs/year
Daily average FCM yield	67.49 lbs/day
Daily average milk yield	75.41 lbs/day
Estimated DMI	44.94 lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	272.8 lbs/day or 32.7 gal/day
As-fed feed daily intake	49.9 as-fed lb/day
Water content of feed	4.99 lb/day in feed
Drinking water intake	267.8 lb/day or 32.1 gal/day
Drinking water requirement for lactating cows	20843 gal/day 23.3 ac-ft/year

METHOD 2: Holter and Urban

Regression equation with DMI, milk production, and dry matter %

Drinking water intake	99.1 liters/day 26.2 gal/day
	16984 gal/day 19.0 ac-ft/year

Max drinking water requirement 23.3 ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	24.7 lbs/day
Average drinking water intake	13 gal/day

Average drinking water requirement 1053 gal/day
1.2 ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	0	0.00
2 mo	0	0.00
3 mo	0	0.00
4 mo	371	0.42
5 mo	689	0.77
15-18 mo	1073	1.20
18-24 mo	482	0.54

Drinking water requirement for replacement herd 2613 gpd **2.93 ac-ft/year**

TOTAL STOCKWATER COMPONENT 27.5 AC-FT/YEAR

Commercial Component

Milking Parlor Water Usage Calculation

Volume needed *per milking* in each parlor for:

Cleaning parlor floor	1750 gal	Cleaning pipeline	300 gal
Cleaning milkroom	0 gal	Cleaning equipment	100 gal
Cleaning bulk tank	0 gal	Cleaning cows	324.5 gal

Total milking parlor volume	7423.5 gal/day
Second milking parlor volume	0 gal/day
Recycled water	0 gal/day
	8.32 ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	#N/A	#N/A	gpm
Output of secondary nozzle	0	0	gpm
Holding pen flushing volume	3000	0	gal
Sprinkler volume	#N/A	0	gal/day
Total holding pen volume	3000	0	gal/day
Recycled water	0	0	gal/day

3.36 ac-ft/year

Other Flushing Water Calculation

Daily volume needed for:

Feeding area flushing	2000 gal/day
Housing area flushing	0 gal/day

Total other flushing volume	2000 gal/day
Recycled water	2000
	0.00 ac-ft/year

TOTAL COMMERCIAL COMPONENT **11.7 AC-FT/YEAR**

Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.51 feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90	
Annual open water (lagoon) evaporation	4.06 feet	
Manual override: Input annual lagoon evap	feet	
Total lagoon water surface area at full	50000 sq. ft.	
Total lagoon bottom area	37400 sq. ft.	
Average surface area when water is present	47480 sq. ft. =	1.09 ac

Total lagoon evaporation **4.43 ac-ft/year**

B. Animal usage: milk, metabolism, and excretion loss

	Milking	Dry
Waste excretion volume per cow	1.3	1.3 ft ³ /day/1000lb
Water content	87.5	88.4 %
Total water volume in excrement	7179	905 gal/day
Percent of excrement flushed to lagoons	55 % (based on areas which are flushed)	
Consumptive use (evap.) of water in excrement	45 %	
Consumptive use (evap.) volume	3638 gal/day	
Excrement c.u. attributable to drinking water	3571 gal/day	
Total milk production - assume 100% leaves site	48941 lbs/day or	5868 gal/day
Water content of milk	5105 gal/day	
Water content attributable to drinking water	5012 gal/day	
Water use for animal metabolism	9095 gal/day	
Metabolism water attributable to drinking water	8929 gal/day	
Consumptive use - replacement herd (100%)	2613 gal/day	
Total animal consumptive use from drinking water	20126 gal/day or	22.5 ac-ft/year
Percent of drinking water intake	91.9 %	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2 %	
Free stall total area	9120 sq. ft. =	0.21 acres
Length of time free stall concrete is wet	1 hr/day	
Average evaporation from wet concrete	0.15 in./day	
Sprinkler system loss volume	0.00 ac-ft/year	
Free stall evaporation volume	0.04 ac-ft/year	
Total cleanup loss	0.04 ac-ft/year	

D. Land application site

Crop evapotranspiration	2.43 ac-ft/ac/year
Irrigation diversion volume	3.47 ac-ft/ac/year
System efficiency	70 %
Waste water volume to lagoons	16.5 ac-ft/year
Waste water volume available for land application	12.1 ac-ft/year
Total crop consumptive use of waste water	0.8 ac-ft/year

Summary

Consumptive Use

Lagoon evaporation	4.43
Animal milk, excretion, & metabolism	22.5
Parlor and holding pen cleanup	0.04
Crop consumptive use on land application	0.8

Total consumptive use	27.9 ac-ft/year
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Percent of diversion volume consumed	71.2 %
--------------------------------------	--------

Annual crop consumptive use - IDWR allowable	689 mm
	2.3 afa

Equivalent irrigated acres	12.3 acres
-----------------------------------	-------------------

Drinking Water

Milking herd	23.3
Non-milking herd (dry cows)	1.2
Replacement herd (calves and heifers)	2.9

Total drinking water volume	27.5 ac-ft/year
------------------------------------	------------------------

Diversion volume to acres conversion factor	3.18 ac-ft/ac
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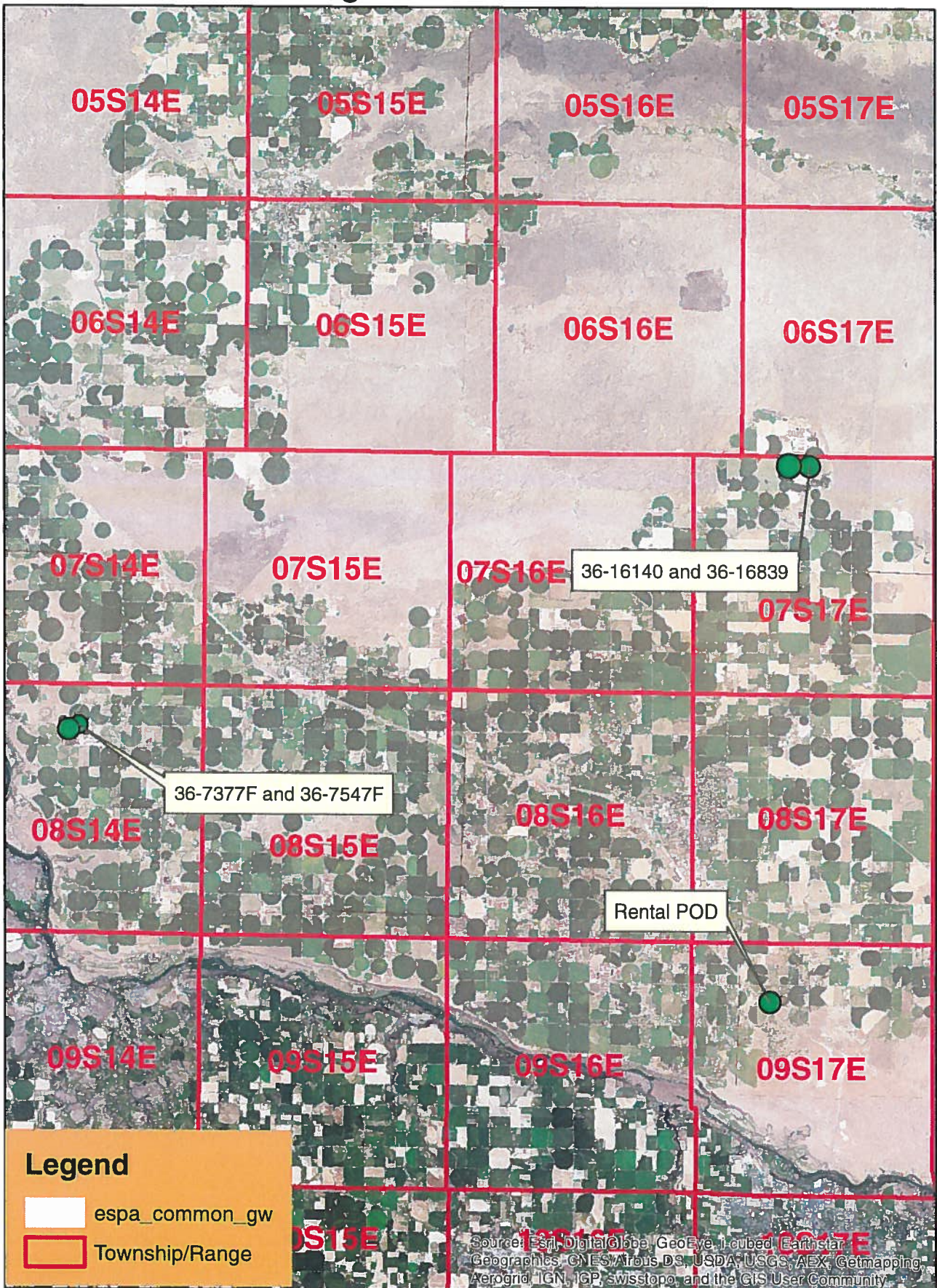
Commercial

Milking parlor	8.32
Holding pen and cleanup	3.4
Other flushing water	0.00

Total commercial volume	11.7 ac-ft/year
--------------------------------	------------------------

TOTAL DIVERSION VOLUME REQUIREMENT	39.1 AC-FT/YR
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Traughber Rental 2015



STATE OF IDAHO
WATER RESOURCE BOARD

**APPLICATION TO RENT WATER
FROM THE WATER SUPPLY BANK**

RECEIVED

NOV 26 2014

**DEPARTMENT OF
WATER RESOURCES**

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) Jake and Jennifer Traugher

Mailing Address 368 South 200 East Jerome Idaho 83338

Phone _____ Email _____

A. DESCRIPTION OF WATER SOUGHT FOR RENT

1. <u>Maximum Flow Rate (cfs)</u>	<u>Maximum Volume (ac-ft)</u>	<u>Nature of Use</u>	<u>Period of Use</u>
<u>0.10</u>	<u>32.0</u>	<u>Stock/Commerical</u>	<u>01/01</u> to <u>12/31</u>
<u>0.0</u>	<u>6.0</u>	<u>Stock/Commerical</u>	<u>01/01</u> to <u>12/31</u>
_____	_____	_____	_____ to _____
Total: <u>0.10</u>	<u>38.0</u>		

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
09S	17E	9			SW	NW	Jerome
09S	17E	9			SW	NW	

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	
09S	17E	9						X	X				X						

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

Total Acres _____

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 dairy facility with existing well and delivery system.
2. Describe any other water rights diverted through the same point(s) of diversion or used for the same purpose(s) as described above.
36-15271
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. Based on previously approved rental agreements and Water Requirements and Consumptive Use Worksheet
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. 36-8632
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

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.

Jennifer Traugh
Signature of Applicant

Jennifer Traugh owner
Printed Name and Title*

11-24-14
Date

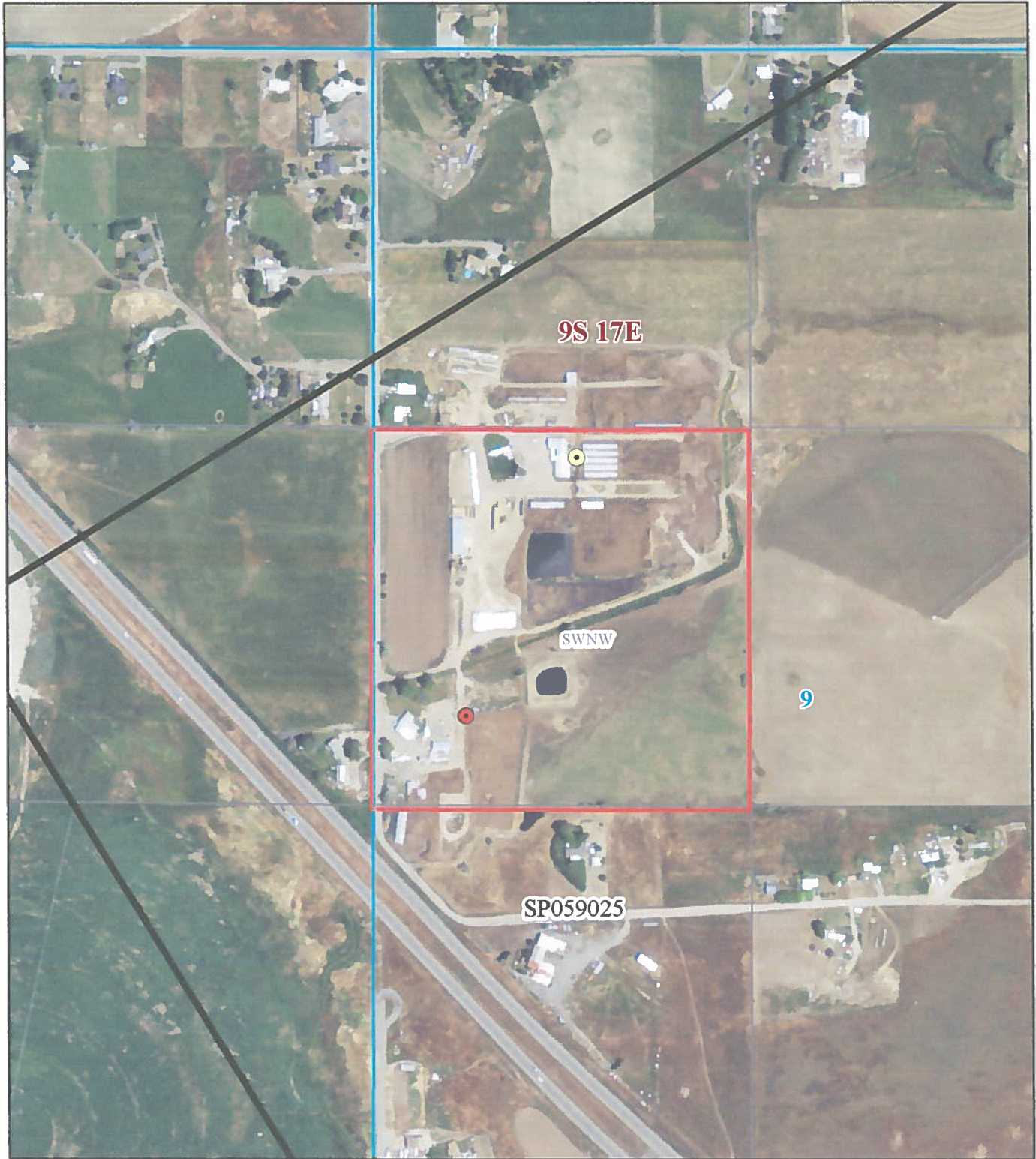
Signature of Applicant

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



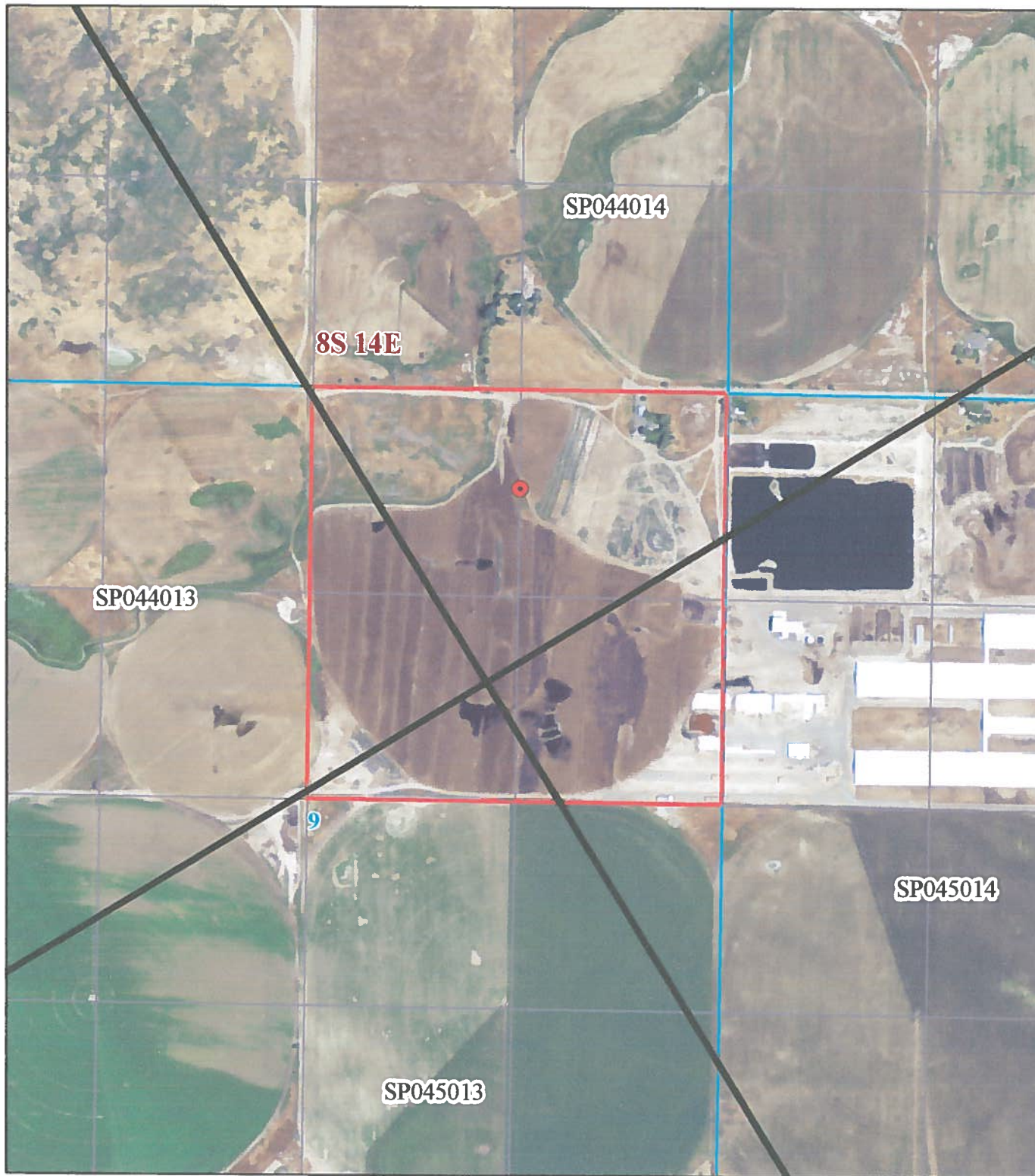
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**TRAUGHER - WATER SUPPLY BANK
RENTAL 2015, 36-15271
NAIP 2011 AERIAL PHOTO.**

Legend

- Well
- Water_Rights_POD
- Water_Rights_POU
- ESPA CELLS
- twnshp
- Sections
- QQ Lines





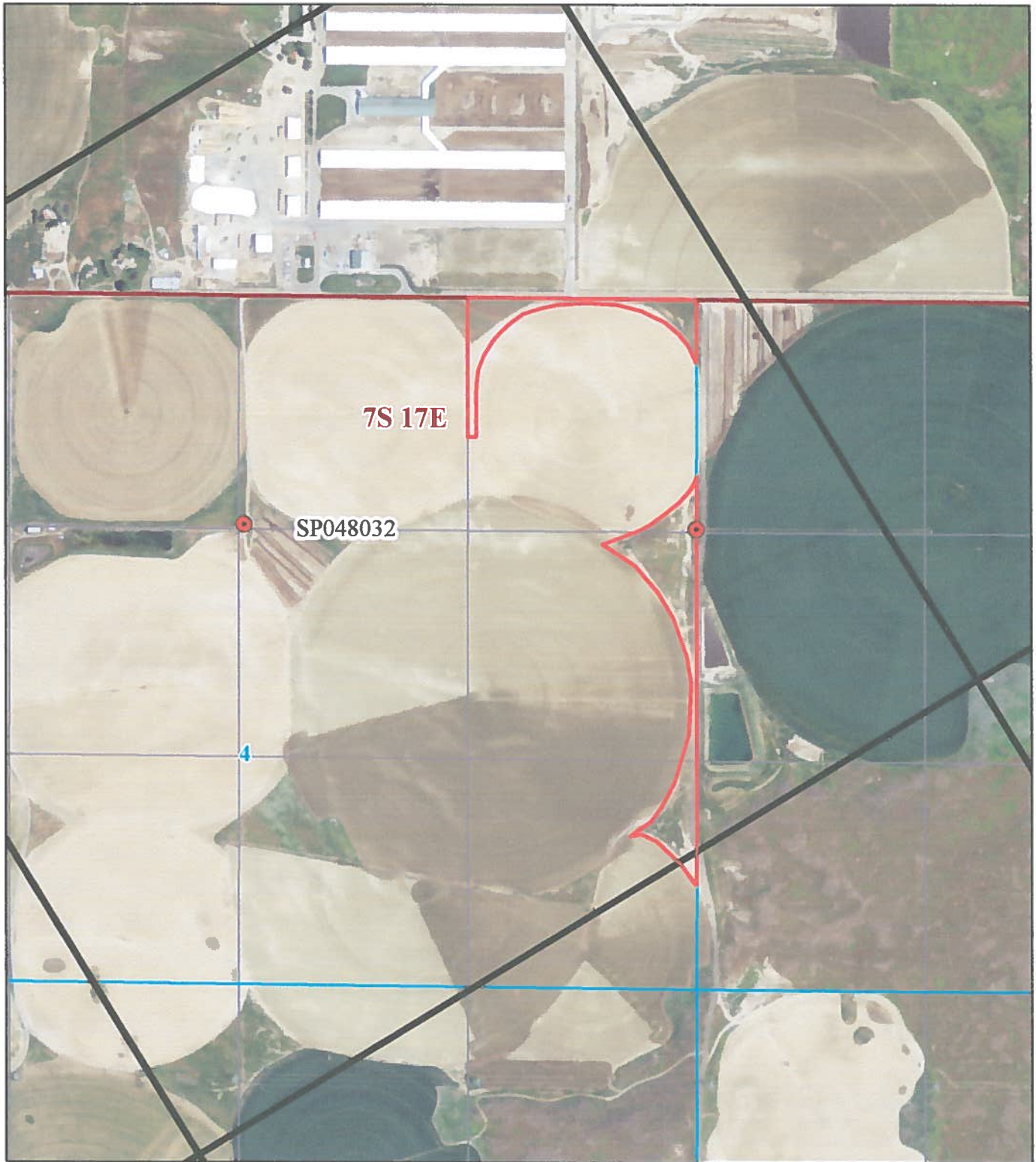
0 350 700 1,400 Feet

**TRAUGHER - WATER SUPPLY BANK
RENTAL 2015, 36-2297
NAIP 2011 AERIAL PHOTO.**

Legend

-  Water_Rights_POD
-  ESPA CELLS
-  Water_Rights_POU
-  Sections
-  twnshp
-  QQ Lines





0 335 670 1,340 Feet

**TRAUGHER - WATER SUPPLY BANK
RENTAL 2015, 36-16140
NAIP 2011 AERIAL PHOTO.**

Legend

-  36-16140_WR_POD
-  36-16140_WR_POU
-  ESPA CELLS
-  twnshp
-  Sections
-  QQ Lines



ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are
set up for user entries

ENTER STARTING DATE FOR

SIMULATION. THEN PUSH

"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR

1950

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	59	48	44	
COLUMN	25	32	14	

28.5 AFA

12.0 AFA

26.0 AFA

TRIMESTER OF ACTIVITY	TO WELL		FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use AF/TRIMESTER		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1950	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1950	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1950	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1951	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1951	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1951	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1952	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1952	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1952	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1953	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1953	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1953	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1954	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1954	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1954	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1955	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1955	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1955	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1956	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1956	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1956	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1957	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1957	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1957	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1958	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1958	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1958	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1959	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1959	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1959	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1960	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1960	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1960	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1961	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1961	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1961	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1962	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1962	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1962	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1963	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1963	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1963	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1964	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1964	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1964	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1965	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1965	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1965	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1966	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1966	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1966	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1967	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1967	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1967	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1968	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1968	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1968	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1969	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1969	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1969	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1970	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1970	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1970	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1971	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1971	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1971	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1972	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1972	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1972	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1973	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1973	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1973	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SPR 1974	0.0		4.0	4.0	8.7	8.7	0.0	0.0
SUM 1974	0.0		4.0	4.0	8.7	8.7	0.0	0.0
WIN 1974	0.0		4.0	4.0	8.7	8.7	0.0	0.0

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ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	59	48	44	
COLUMN	25	32	14	

28.5 AFA

12.0 AFA

26.0 AFA

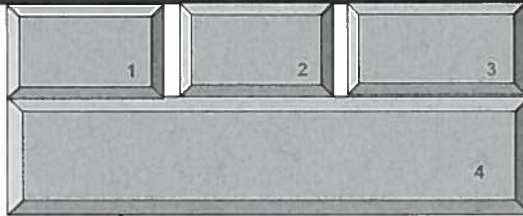
TRIMESTER OF ACTIVITY	TO WELL	FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1975	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1975	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1975	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1976	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1976	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1976	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1977	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1977	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1977	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1978	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1978	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1978	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1979	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1979	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1979	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1980	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1980	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1980	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1981	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1981	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1981	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1982	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1982	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1982	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1983	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1983	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1983	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1984	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1984	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1984	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1985	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1985	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1985	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1986	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1986	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1986	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1987	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1987	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1987	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1988	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1988	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1988	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1989	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1989	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1989	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1990	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1990	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1990	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1991	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1991	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1991	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1992	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1992	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1992	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1993	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1993	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1993	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1994	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1994	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1994	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1995	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1995	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1995	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1996	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1996	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1996	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1997	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1997	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1997	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1998	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1998	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1998	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 1999	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 1999	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 1999	0.0	4.0	4.0	8.7	8.7	0.0	0.0

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	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	59	48	44	
COLUMN	25	32	14	

28.5 AFA

12.0 AFA

26.0 AFA

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 2000	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2000	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2000	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2001	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2001	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2001	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2002	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2002	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2002	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2003	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2003	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2003	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2004	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2004	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2004	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2005	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2005	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2005	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2006	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2006	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2006	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2007	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2007	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2007	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2008	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2008	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2008	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2009	0.0	4.0	4.0	0.0	8.7	0.0	0.0
SUM 2009	0.0	4.0	4.0	0.0	8.7	0.0	0.0
WIN 2009	0.0	4.0	4.0	0.0	8.7	0.0	0.0
SPR 2010	0.0	4.0	4.0	0.0	8.7	0.0	0.0
SUM 2010	0.0	4.0	4.0	0.0	8.7	0.0	0.0
WIN 2010	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SPR 2011	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SUM 2011	0.0	0.0	4.0	0.0	8.7	0.0	0.0
WIN 2011	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SPR 2012	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SUM 2012	0.0	0.0	4.0	0.0	8.7	0.0	0.0
WIN 2012	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SPR 2013	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SUM 2013	0.0	0.0	4.0	0.0	8.7	0.0	0.0
WIN 2013	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SPR 2014	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SUM 2014	0.0	0.0	4.0	0.0	8.7	0.0	0.0
WIN 2014	0.0	0.0	4.0	0.0	8.7	0.0	0.0
SPR 2015	9.5	0.0	4.0	0.0	8.7	0.0	0.0
SUM 2015	9.5	0.0	4.0	0.0	8.7	0.0	0.0
WIN 2015	9.5	0.0	4.0	0.0	8.7	0.0	0.0
SPR 2016	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SUM 2016	0.0	0.0	4.0	8.7	8.7	0.0	0.0
WIN 2016	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SPR 2017	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SUM 2017	0.0	0.0	4.0	8.7	8.7	0.0	0.0
WIN 2017	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SPR 2018	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SUM 2018	0.0	0.0	4.0	8.7	8.7	0.0	0.0
WIN 2018	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SPR 2019	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SUM 2019	0.0	0.0	4.0	8.7	8.7	0.0	0.0
WIN 2019	0.0	0.0	4.0	8.7	8.7	0.0	0.0
SPR 2020	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2020	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2020	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2021	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2021	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2021	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2022	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2022	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2022	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2023	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2023	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2023	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2024	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2024	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2024	0.0	4.0	4.0	8.7	8.7	0.0	0.0

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	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	59	48	44	
COLUMN	25	32	14	

28.5 AFA 12.0 AFA
26.0 AFA

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 2025	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2025	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2025	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2026	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2026	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2026	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2027	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2027	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2027	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2028	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2028	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2028	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2029	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2029	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2029	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2030	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2030	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2030	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2031	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2031	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2031	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2032	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2032	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2032	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2033	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2033	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2033	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2034	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2034	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2034	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2035	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2035	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2035	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2036	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2036	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2036	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2037	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2037	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2037	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2038	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2038	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2038	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2039	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2039	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2039	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2040	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2040	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2040	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2041	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2041	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2041	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2042	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2042	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2042	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2043	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2043	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2043	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2044	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2044	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2044	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2045	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2045	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2045	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2046	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2046	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2046	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2047	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2047	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2047	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SPR 2048	0.0	4.0	4.0	8.7	8.7	0.0	0.0
SUM 2048	0.0	4.0	4.0	8.7	8.7	0.0	0.0
WIN 2048	0.0	4.0	4.0	8.7	8.7	0.0	0.0

Mitigation Analysis Period

Trimester

Trimester 1 2 Trimester)

Annual April

Total Reach Depletion Impacts

AFIT:	0.0	0.0	0.0	0.0	0.00	1.14	0.0	0.0	0.0	0.0	0.0
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One-Way Analysis of Independent Transfers

Transfer 1 :

Southfield and North Butte to Traugber 2013-2014 Rental

100.0% Pre-SS 38.0 AFA 9.5 Acres \$ 648.00

100.0% Post-SS 32.0 AFA 8.0 Acres

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

Transfer 1: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

Impact by Reach (AF/Trimester)

Ashton to	Hesse to	Shelley to	Nr Bickft To	Neeley to	Dev. Wbl. To	Buhl to	1000 Spr	1000 Spr to	Malad	Malad to
Rexburg	Shelley	Nr Bickft	Neeley	Mundoka	Buhl	1000 Spr	1000 Spr	Malad	Bancroft	
0.03	0.03	0.23	0.81	0.22	2.54	3.30	4.29	0.31	0.87	0.03
0.03	0.03	0.23	0.81	0.21	2.54	3.30	4.29	0.31	0.87	0.03
0.03	0.03	0.23	0.81	0.22	2.54	3.30	4.29	0.31	0.87	0.03
0.03	0.03	0.23	0.81	0.21	3.68	3.30	4.29	0.31	0.87	0.03

Steady State Analysis	Mitigation Check 1 - >10% of Historical	-0.5%	-0.3%	-0.3%	-0.2%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
	Mitigation Check 2 - > 2 AF/T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total	0.2%	0.2%	1.8%	6.4%	1.7%	20.1%	26.1%	33.9%	2.4%	6.9%	0.3%
	Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transient State Analysis	Mitigation Check 1 - >10% of Historical	-0.5%	-0.3%	-0.3%	-0.2%	-0.3%	44.76%	0.0%	0.0%	0.0%	0.0%	-0.1%
	Mitigation Check 2 - > 2 AF/T	0.0	0.0	0.0	0.0	0.00	1.14	0.0	0.0	0.0	0.0	0.0
	Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft)	0.0	0.0	0.0	0.0	0.0	1.14	0.0	0.0	0.0	0.0	0.0

Read Me

Transfer 2 : North Butte

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

Transfer: Proposed Steady State Impacts following Transfer

Transfer 1: Worst Case Transient State Impacts following Transfer

Impact by Reach (AF/Trimester)

Ashton to	Hesse to	Shelley to	Nr Bickft To	Neeley to	Dev. Wbl. To	Buhl to	1000 Spr	1000 Spr to	Malad	Malad to
Rexburg	Shelley	Nr Bickft	Neeley	Mundoka	Buhl	1000 Spr	1000 Spr	Malad	Bancroft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Steady State Analysis	Mitigation Check 1 - >10% of Historical	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T	0.0	0.0	0.0	0.0	0.0	0.000	0.0	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transient State Analysis	Mitigation Check 1 - >10% of Historical	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
	Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft)	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0

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

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

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

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

[illegible]

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

[illegible]

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 Irr Acres	Priority Date	POD Location	Dedicated Vol AFA/ AFT	Model Node
--------	-------------------	------------------	--------------------	------------------	-----------------	---------------------------	---------------

	(CFS)	(AFA)	Acres	Date	Location
Non-Use: Proposed Steady State Impacts following Change					

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

Impact by Reach (AF/Trimester)											
Ashton Rexburg	Hesse to Shelley	Shelley to Nir Bickit	Nir Bickit To Neeley	Neeley to Mindoka	Dev Wbl Buhl	To 1000 Spr	Buhl to 1000 Spr	1000 Spr	1000 Spr to Malad	Malad	Malad to Bancroft

[illegible]

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

[illegible]



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

GARY SPACKMAN
Director

C.L. "BUTCH" OTTER
Governor

May 1, 2015

JAKE AND JENNIFER TRAUGHBER
368 S 200 E
JEROME ID 83338-6526

**RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NO(S). 36-7377F, 36-7547F, 36-16140 AND 36-16839**

Dear Renter:

Please find enclosed a receipt in the amount of **\$646.00** and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 38 acre-feet of water for commercial and stockwater during 2015. Upon receipt of this fully executed agreement, you are authorized to divert water in compliance with the conditions of water use described in the agreement.

Pursuant to the Water Supply Bank Rules, 90% or \$581.40 of the rental fee will be paid to the lessor(s) and 10% or \$64.60 will be retained by the Department to offset administrative costs.

If you have any questions, please contact me at (208) 287-4910.

Sincerely,

For 
Clay Webster
Water Resource Agent

Enclosure(s): Receipt No. C100376
Rental Agreement (copy)

c: Sascha Marston – Fiscal
Allen Merritt – IDWR Southern Regional Office
Greg Sullivan – Brockway Engineering PLLC

MEMORANDUM

To: Water Rights 36-7377F, 36-7547F, 36-16140 and 36-16839
From: Clay Webster
Date: 4/30/2015
Re: Review & Analysis of Application to Rent Water from the State Water Supply Bank

PURPOSE/NARRATIVE: The department received this application November 26, 2014 to rent 12.0 af from 36-7377F and 36-7547F and 26.0 af from 36-16140 and 36-16839. This application was submitted by Brockway engineering for Jake and Jennifer Traughber. This is a repeat of the rental that was done for the Traughbers from October 2103 through 2014. There is a current water right for stockwater (0.07 cfs) and domestic (0.04 cfs) at the same POU (36-15271). There is also an active water permit application 36-8632 for 2 wells for stockwater (0.40 cfs, 500 dairy cattle), commercial (0.52 cfs dairy barn) and domestic (0.08cfs, 3 homes).

These rights and the rental fall within the boundaries of the North Snake Ground Water District and the leased rights are being mitigated by those right holders through the NSGWD. However, the rental will be administered directly by Water District 130.

AUTHORITY TO FILE: This application was signed by Jennifer Traughber. The Rental POU is owned by JT Land LLC according to a warranty deed submitted with the 2013 rental application. She is listed as a member of JT Land LLC on the ISOS web site.

WATER RIGHT VALIDITY: Leased portions of 36-16140 and 36-16139 are being idled according to aerial photography. However, 36-7377F and 36-7547F have a Letter in the file stating that these rights were released from the WSB as of 12/31/2014. They have applied to lease 12 af of these two rights back into the bank on Nov 5, 2014 these leases will be processed upon the completion of transfer applications 79679 and 79680.

INJURY TO OTHER WATER RIGHTS: The proposal is to rent 38 af and divert 28.5 af. The 9.5 af difference will provide the change in nature of use requirement. Modeling was supplied by the consultant because this rental and the leased rights are located in the ESPA. I have verified the data provided. Though I found errors in the consultant's modeling run, such as dates to start pumping from wells 20 years prior to the priority date of the rights being transferred, the model still provided that no additional mitigation is required when I ran it with the correct inputs.

ENLARGEMENT OF USE: No enlargement is evident.

LOCAL PUBLIC INTEREST: Review staff has no information to suggest this application is inconsistent with the local public interest.

BENEFICIAL USE/CONSERVATION OF WATER RESOURCES: The rental appears consistent with the conservation of water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS: The rented right(s) are subject to Water District # 130. Comments were requested on 4/2/2015 from Cindy Yenter the watermaster and the region via e-mail. The watermaster had stipulations that this rental be approved with only one POD that serves the dairy. The Regional manager had no issues.

Water rights 36-7377F and 36-7547F that are being used for the WSB Rental Application are irrigation water rights. Their season of use is 3/15-11/15. Water rights 36-16140 and 36-16839 that are being used for the WSB Rental Application are irrigation water rights. Their season of use is 4/1-10/31 (with a shoulder remark in the conditions) and 3/15-11/15. With the change in

No. W 50982	Due no later than May 31, 2014 Annual Report Form		2. Registered Agent and Address (NO PO BOX)			
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE	1. Mailing Address: Correct in this box if needed. J T LAND, LLC JAKE TRAUGHBER 368 S 200 E JEROME ID 83338 USA		JAKE TRAUGHBER 368 S 200 E JEROME ID 83338			
			3. <u>New</u> Registered Agent Signature:*			
4. Limited Liability Companies: Enter Names and Addresses of at least one Member or Manager.						
Office Held	Name	Street or PO Address	City	State	Country	Postal Code
MEMBER	JAKE TRAUGHBER	368 S 200 E	JEROME	ID	USA	83338
MEMBER	JENNIFER TRAUGHBER	368 S 200 E	JEROME	ID	USA	83338
5. Organized Under the Laws of: ID W 50982		6. Annual Report must be signed.* Signature: Jake Traughber Name (type or print): Jake Traughber Date: 03/20/2014 Title: Member				
Processed 03/20/2014		* Electronically provided signatures are accepted as original signatures.				

Webster, Clay

From: Yenter, Cindy
Sent: Thursday, April 30, 2015 3:00 PM
To: Webster, Clay
Subject: RE: Region and Watermaster comments for Traughber Rental Application

Clay – I have no objections to this rental, with the following condition:

Approval should be limited to a single well in SWNW Section 9. This well is at spatial ID 495854. My site visit last year determined that a single well serves the dairy. There is a flow meter installed on this well only. The second well in SWSWNW Sec 9 is a domestic well which is not connected to the dairy.

The application is within North Snake GWD and the leased rights are being mitigated by those right holders through the NSGWD. However the rental will be administered directly by WD130.

Cindy Yenter
Watermaster, Water District 130
Twin Falls, ID
cindy.yenter@idwr.idaho.gov
208-736-3033

From: Webster, Clay
Sent: Thursday, April 02, 2015 4:03 PM
To: Merritt, Allen; Yenter, Cindy
Subject: Region and Watermaster comments for Traughber Rental Application

Allen and Cindy,

We are currently processing this rental application. Do you have any concerns? Thanks.

Sincerely,

Clay Webster

Water Resource Agent
clay.webster@idwr.idaho.gov
208-287-4910
Idaho Department of Water Resources (IDWR)
322 E. Front Street
P.O. Box 83720
Boise, ID 83720
208-287-4800
www.idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

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GARY SPACKMAN
Director

C.L. "BUTCH" OTTER
Governor

April 21, 2015

JAKE & JENNIFER TRAUGHBER
368 S 300 E
JEROME ID 83338

RE: **APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK**
WATER RIGHT NO(S). 37-7377F, 36-7547F, 36-16140 & 36-16839

*****TIME SENSITIVE RESPONSE REQUIRED*****

Dear Applicant:

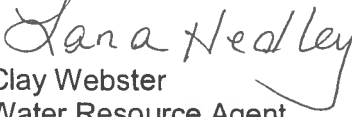
The Department of Water Resources acknowledges receipt of your application to rent water from the Water Supply Bank. **I have enclosed a Water Supply Bank Rental Agreement for your review and signature.** Upon signature and return of the original agreement, together with the rental fee described below, the Department will also sign the original agreement and return an executed copy to you. Execution of the agreement and compliance with the conditions of approval authorize diversion and use of water as provided in the agreement.

A rental fee of \$646.00 was calculated based on the current rental rate of \$17.00 per acre-foot times a diversion volume of 38.0 acre-feet.

Please send a check for \$646.00 made payable to the Idaho Department of Water Resources, **together with the signed rental agreement, within 14 days** so I can complete processing. Pursuant to the Water Supply Bank Rules, 90% or \$581.40 of the rental fee will be paid to the lessor(s) and 10% or \$64.60 will be retained by the Department to offset administrative costs.

If you have any questions, please contact me at (208) 287-4910.

Sincerely,

for 
Clay Webster
Water Resource Agent
WSB Process Point of Contact
Enclosure(s)

c: IDWR Front Desk
Greg Sullivan-Brockway Engineering PLLC

Webster, Clay

From: Merritt, Allen
Sent: Thursday, April 09, 2015 8:26 AM
To: Webster, Clay
Subject: RE: Region and Watermaster comments for Traughber Rental Application

I do not have any issue.

From: Webster, Clay
Sent: Thursday, April 02, 2015 4:03 PM
To: Merritt, Allen; Yenter, Cindy
Subject: Region and Watermaster comments for Traughber Rental Application

Allen and Cindy,

We are currently processing this rental application. Do you have any concerns? Thanks.

Sincerely,

Clay Webster

Water Resource Agent
clay.webster@idwr.idaho.gov

208-287-4910

Idaho Department of Water Resources (IDWR)

322 E. Front Street

P.O. Box 83720

Boise, ID 83720

208-287-4800

www.idwr.idaho.gov

Webster, Clay

From: Webster, Clay
Sent: Thursday, April 02, 2015 4:03 PM
To: Merritt, Allen; Yenter, Cindy
Subject: Region and Watermaster comments for Traughber Rental Application
Attachments: Traughber Rental Application 2015.pdf; Traughber Rental 2015.pdf; Rental Review Memo Traughber.docx

Allen and Cindy,

We are currently processing this rental application. Do you have any concerns? Thanks.

Sincerely,

Clay Webster

Water Resource Agent

clay.webster@idwr.idaho.gov

208-287-4910

Idaho Department of Water Resources (IDWR)

322 E. Front Street

P.O. Box 83720

Boise, ID 83720

208-287-4800

www.idwr.idaho.gov



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

DEC 10 2014

DEPARTMENT OF
WATER RESOURCES

December 9, 2014

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

Re: Traughber Rental

Dear Mrs. Palmer:

In response to your letter dated December 9, 2014, I am submitting a new page 1 of the Jake and Jennifer Traughber rental application. I am also submitting the stock and commercial water requirement calculations that was used estimate the required water use for the dairy facility.

Please let me know if there are any additional questions or issues that you may have concerning this rental.

Sincerely,

Greg Sullivan, M.S., Engineer

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

Cc: Jake and Jennifer Traughber
Enc: Rental Application Page 1, Livestock Confinement Operations Calculations.



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

GARY SPACKMAN
Director

C.L. "BUTCH" OTTER
Governor

December 9, 2014

JAKE AND JENNIFER TRAUGHBER
368 SOUTH 200 EAST
JEROME ID 83338

RESPONSE DEADLINE

December 24, 2014

RE: Water Supply Bank Rental Application – Additional Information Required

Dear Applicant,

The Idaho Department of Water Resources received your application to rent water rights from the Idaho Water Resource Board's Water Supply Bank however, as submitted, your application is incomplete.

As submitted, your application cannot be processed. The required information is missing or insufficient:

- ☒ The place of use described in item A.4 of the application does not match your map
- ☒ Other: Data pursuant to question D.4 of the application was not submitted. The Department does not view data that was previously submitted as sufficient to fulfill this requirement.

I will place your application on hold while you submit your map. 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.

The deficient item(s) discussed in this letter are minimum requirements. If sufficient information per this letter is not received within 14 days, you will lose your place in the processing queue. Applications that are received earlier in time have an increased chance of acquiring the requested rental water.

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 via email



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

NOV 26 2014

DEPARTMENT OF
WATER RESOURCES

November 25, 2014

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

Re: Traughber Rental

Dear Mrs. Skaggs:

Jake and Jennifer Traughber desire to rent stock and commercial water for a dairy facility south of Jerome, Idaho. It is proposed to rent 38.0 acre-feet of water annually and divert 28.5 acre-feet annually at the dairy facility.

The dairy facility current is provided water from 36-15271. Permit 36-8632 is located on the dairy facility property but is currently not authorized for pumping.

It is proposed to rent 26.0 acre-feet from 36-16140 and 36-16839 located in ESPA Model cell 44 14 and 12.0 acre-feet from 36-7377F and 36-7547F located in ESPA Model cell 48 32. The dairy facility is located in ESPA Model cell 59 25. The rental period will be for 1 year due to the lease period ending for 36-16140 and 36-16839.

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: Jake and Jennifer Traughber
Enc: Rental Application, ESPA Model Analysis, Aerial Maps

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

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

2016 NORTH
WASHINGTON
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