

MEMORANDUM

To: File

From: Nick Van Dyke

Date: September 24, 2013

Re: 2013 Ardel Wickel WSB Rental Applications

PURPOSE/NARRATIVE: On July 29, 2013, the Department received two applications to rent water from the water supply bank for applicant Ardel Wickel, to irrigate ground about three miles east of Delco, ID. One rental covers a full 125.5 acre pivot and the other rental is for 111 acres of partial pivots and pivot corners. These will be new irrigation systems tapping into existing wells and mainlines. Rental period sought is for fall of 2013 thru 2016 for the 125.5 acre pivot and fall of 2013 thru 2014 for the partial pivot and corners.

AUTHORITY TO FILE: Ardel Wickel signed both applications. Greg Sullivan of Brockway Engineering, acting as consultant, submitted the applications.

WATER RIGHT VALIDITY: All rights proposed to satisfy the rentals have been decreed in the SRBA and currently leased to the bank. Rights proposed for each rental:

- 125.5 acre full pivot:
 - 45-2746 lease period Spring 2005 thru 2016
 - 45-11969 lease period Spring 2010 thru indefinite
- 111 acre partial pivots/corners:
 - 45-14401 lease period Spring 2012 thru 2014
 - 45-14403 lease period Spring 2012 thru 2014

Note when first submitted, it was proposed to rent water rights 45-13948, 45-13950 and 45-13963, along with 45-2746, to cover the 125.5 acre full pivot. It was later found 45-13948, 45-13950, and 45-13963 are part of the Southwest Irrigation District mitigation plan as conversion water and currently not rentable. 45-11969 was determined to be an acceptable substitution for those rights.

INJURY TO OTHER WATER RIGHTS: None anticipated. ESPA model analysis was provided for both rental applications, including the substitution in of 45-11969: net aquifer affects fell below transient-state thresholds.

ENLARGEMENT OF USE: None anticipated. Rights proposed for both rentals provide sufficient volume/acreage. Note rights 45-14401 and 45-14403 were partially enrolled in the CREP program in 2010; however there are enough acres under those rights to allow for enrollment in CREP and to be leased/rented. See 9/24/2013 email in file. Also note 45-14401 and 45-14403 have conditions placed on them thru approved transfer 77696, changing a portion of the rights to mitigation for years 2012 thru 2022. These rentals will not impact those conditions since 0.88 cfs/373.7 afa/117.9 acre is leased between both rights and both rights offer 7.74 cfs/3,282 afa/1,035.5 acres of irrigation during those years.

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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 conservation of water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS:

Brian Higgs, watermaster for water district 140, provided comment. The question/issue of CREP acre status and need for substituting 45-11969 in for the three rights in the SWID mitigation plan were of concern and resolved.

Van Dyke, Nick

From: Van Dyke, Nick
Sent: Tuesday, September 24, 2013 8:09 AM
To: 'Brian Higgs'
Subject: RE: Ardel Wickel water supply bank rental

Brian,

On water right 45-2746, it makes sense those wells have not been pumped for years. The right has been leased to the water supply bank since 2005. The combined model analysis shows mitigation is not required. I will place a condition on the rental approvals that instructs the renter to diligently pursue a permanent water right for the acres being broke out under the rentals.

Nick

From: Brian Higgs [mailto:brian@waterwellconsultants.com]
Sent: Monday, September 23, 2013 11:30 AM
To: Van Dyke, Nick
Cc: Jaxon Higgs
Subject: Re: Ardel Wickel water supply bank rental

Hi Nick.

Thank you for your help and correspondence on this rental. I am still not comfortable with this rental. However, the legality is the Department's responsibility. Here are a couple more problems with this rental.

1-Water right 45-2746 conditions of approval state that the "water is injected into the Snake River and diverted through the Milner Low Lift Canal delivery system." The only farmer doing that is Darrell Funk. Otherwise these wells have not been pumped for years according to the City of Burley water department. We have not measured them because of what the city reported.

2-When these rentals are run through the model separately they show less than 10% mitigation each. However, when run together, as they will be used, would there be mitigation responsibility?

3-Six S Ranch has several wells within the area as does Mark Newcomb. Both of these farmers have poor wells that break suction and pump air during the irrigation season, even with the canal system so close. Water levels in the area have been dropping for the past couple decades. Do we need to inform them of this rental?

Otherwise, I agree with this rental.

Thank you.

Brian

From: Van Dyke, Nick
Sent: Tuesday, September 17, 2013 12:14 PM
To: Brian Higgs
Subject: RE: Ardel Wickel water supply bank rental

Brian,

I've checked the CREP status for Jarolimek's ground - it appears there is enough water available for the rental, after taking into account the CREP acres. The CREP contract (attached) enrolls 606.4 acres. Both 45-14401 and 45-14403 authorize a total of 1035.5 acres irrigation, leaving a balance of 429.1 acres. 117.9 acres are leased into the bank, the rental seeks to use 111 acres.

It's now proposed to rent 65 acres from 45-11969 (Ranch Properties) in substitution for the Gibby water. 45-11969 was leased into the bank in 2010, offering 94.6 acres. There is one other current rental using 45-11969, for 20 acres, leaving enough water.

The ESPA modeling for both of Wickel's rentals shows there are no impacts above the transient thresholds of 2 acre-feet per trimester or 10 percent above historical depletions for any given reach.

I am unsure how Darrell Funk fits into the rentals Ardel Wickel is proposing. Can you please clarify?

Nick

From: Brian Higgs [<mailto:brian@waterwellconsultants.com>]
Sent: Monday, September 09, 2013 12:01 PM
To: Van Dyke, Nick
Cc: Jaxon Higgs
Subject: Re: Ardel Wickel water supply bank rental

Hi Nick.

Thank you for sending this to me. Unfortunately, we do have some issues with this. They are:

1-Gibby water is not available because it is in the SWID mitigation plan as conversion water.

2-Jarolimek water is in CREP.

3-Darrell Funk is using all of his water and more. If he has any in the bank, SWID will stop sending him water from Milner and Twin. I am certain Darrell will disapprove.

Also, I find it difficult to believe that there is no mitigation requirement. Pickett has an application for a transfer in that area. He is transferring to one cell away and I was told by IDWR that the mitigation would be approximately 75 acres. This Wickel bank application is moving water 30 miles. Granted, probably from inside the ESPA to outside but I could use a little clarification on that point.

Again, thank you for asking. It helps avoid a near disaster.

Brian

From: Van Dyke, Nick
Sent: Friday, September 06, 2013 9:19 AM
To: brian@waterwellconsultants.com
Subject: Ardel Wickel water supply bank rental

Brian,

Please find attached a cover page and map detailing a water supply bank rental for Ardel Wickel on ground about 3 miles east of Delco. There are two rentals proposed, one for a full 125 acre pivot and the other for 111 acres of partial pivots and corners. These will be new irrigation systems tapping into existing wells and mainlines. The rental period sought is for the latter end of this year thru 2016 for the full pivot, latter end of this year thru next year for the 111 acres.

I've reviewed both rentals and they are approvable from our end. Please let me know if you have questions/concerns. Thanks.

Nicholas Van Dyke

Sr. Water Resource Agent

Idaho Department of Water Resources

Phone: (208) 287-4949

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Version: 2013.0.3392 / Virus Database: 3222/6642 - Release Date: 09/06/13

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Van Dyke, Nick

From: Greg Sullivan [greg.sullivan@brockwayeng.com]
Sent: Friday, September 13, 2013 3:51 PM
To: Van Dyke, Nick
Subject: Wickel Transfer
Attachments: doc00250520130913154647.pdf

Nick,

I have attached some additional modeling to adjust the 125.5 rental. I want to use 65.0 acres of 45-11969 that is owned by Ranch Properties instead of 65.0 acres from 45-13948 and 45-13950.
Let me know what you think about this.

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

Mitigation Analysis Period

Trimester			
Trimester	1	2	Trimester)
Annual			(AFT)

Total Reach Depletion Impacts

AFT:	-0.2	-0.2	-1.2	-3.9	1.58	-2.8	-1.0	-0.8	-0.1	-0.6	0.0
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One-Way Analysis of Independent Transfers

Transfer 1 : 111.1 Acre Rental from 45-14401 and 45-14403 Jarolemek

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

Transfer 1: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

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

Impact by Reach (AFT/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	Minidoka	Buhl	1000 Spr	1000 Spr	Malad	Malad to	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%	0.0%	0.0%	0.0%	0.0%	0.0%
Mitigation Check 2 - > 2 AFT/T	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:	0.0%	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
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

Transient State Analysis

Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mitigation Check 2 - > 2 AFT/T	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:	0.0%	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
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

Re: 111.1

Transfer 2 : 65.0 Acre Rental from Ranch Properties 45-11969

WR No	Div. Rate	Con. Vol	No. of Irr	Priority	POD	Dedicated Vol	Model
(CFS)	(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 (AFT/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	Minidoka	Buhl	1000 Spr	1000 Spr	Malad	Malad to	Bancroft
0.96	1.11	8.29	29.14	13.85	17.38	6.35	4.00	0.43	3.68	0.14
0.08	0.08	0.50	1.69	0.67	1.15	0.41	0.26	0.03	0.23	0.01
0.96	1.11	8.29	29.14	13.85	17.38	6.35	4.00	0.43	3.68	0.14
0.81	0.95	7.22	25.59	14.88	14.82	5.44	3.43	0.37	3.15	0.12

Steady State Analysis

Mitigation Check 1 - >10% of Historical:	-91.6%	-92.0%	-93.9%	-94.2%	-96.2%	-93.30%	-93.6%	-93.6%	-93.6%	-93.0%
Mitigation Check 2 - > 2 AFT/T	-0.9	-1.0	-7.8	-27.4	-13.2	-16.236	-5.9	-3.7	-0.4	-3.5
Mitigation Check 3 - >10% of Total:	1.6%	1.5%	0.0%	33.1%	13.1%	22.5%	8.0%	5.0%	0.5%	4.5%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft)	-0.9	-1.0	-7.8	-27.4	-13.2	-16.2	-5.9	-3.7	-0.4	-3.5

Transient State Analysis

Mitigation Check 1 - >10% of Historical:	-15.4%	-14.2%	-12.9%	-12.2%	7.4%	-14.74%	-14.3%	-14.3%	-14.2%	-15.5%
Mitigation Check 2 - > 2 AFT/T	-0.1	-0.2	-1.1	-3.5	1.0	-2.6	-0.9	-0.6	-0.1	-0.5
Mitigation Check 3 - >10% of Total:	1.6%	1.5%	0.0%	33.1%	13.1%	22.5%	8.0%	5.0%	0.5%	4.5%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft)	-0.1	-0.2	-1.1	-3.5	1.0	-2.6	-0.9	-0.6	-0.1	-0.5

Transfer 3 : 60.5 Acre Rental from 45-2746 from JR Simplot

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

Transfer: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

Impact by Reach (AFT/Trimester)

Ashton to	Hesse to	Shelley to	Nr Bickft To	Neeley to	Dev. Wbl. To	Buhl to	Kspr	Kspr to	Malad	Malad to
Rexburg	Shelley	Nr Bickft	Neeley	Minidoka	Buhl	Kspr	Kspr	Malad	Malad to	Bancroft
0.81	0.93	7.00	24.57	10.49	16.75	5.94	3.72	0.40	3.37	0.13
0.80	0.92	6.90	24.24	10.36	16.53	5.86	3.67	0.40	3.33	0.13
0.81	0.93	7.00	24.57	10.49	16.75	5.94	3.72	0.40	3.37	0.13
0.80	0.92	6.90	24.24	10.36	16.53	5.86	3.67	0.40	3.33	0.13

Steady State Analysis

Mitigation Check 1 - >10% of Historical:	-1.9%	-1.6%	-1.4%	-1.3%	-1.3%	-1.34%	-1.3%	-1.3%	-1.3%	-1.5%
Mitigation Check 2 - > 2 AFT/T	0.0	0.0	-0.1	-0.3	-0.1	-0.225	-0.1	-0.1	0.0	0.0
Mitigation Check 3 - >10% of Total:	1.1%	1.3%	9.4%	33.1%	14.2%	22.5%	8.0%	5.0%	0.5%	4.6%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft)	0.0	0.0	-0.1	-0.3	-0.1	-0.2	-0.1	-0.1	0.0	0.0

Transient State Analysis

Mitigation Check 1 - >10% of Historical:	-1.9%	-1.6%	-1.4%	-1.3%	5.3%	-1.34%	-1.3%	-1.3%	-1.3%	-1.5%
Mitigation Check 2 - > 2 AFT/T	0.0	0.0	-0.1	-0.3	0.6	-0.2	-0.1	-0.1	0.0	0.0
Mitigation Check 3 - >10% of Total:	1.1%	1.3%	9.4%	33.1%	14.2%	22.5%	8.0%	5.0%	0.5%	4.6%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft)	0.0	0.0	-0.1	-0.3	0.6	-0.2	-0.1	-0.1	0.0	0.0

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

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

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

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

Steady State Summary of Modified Stream Depletions Following Transfer(s)												
Impact by Reach (AF/Trimester)												
Ashton to Resburg	Hesse to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev Wbl To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Malad	Malad to Malad	Malad to Bancroft		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	-0.9	-1.0	-7.8	-27.8	-13.2	-16.2	-3.9	-0.4	-3.5	-0.1		
3	0.0	0.0	-0.1	-0.3	-0.1	-0.2	-0.1	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		
5	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		
7	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		
9	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		
11	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		
13	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		
15	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		
17	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		
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Summary	-0.9	-1.0	-7.9	-27.8	-13.3	-16.5	-6.0	-3.8	-0.4	-3.5	-0.1	

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

Transient State Summary of Modified Stream Depletions Following Transfer(s)												
Impact by Reach (AF/Trimester)												
Ashton to Resburg	Hesse to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev Wbl To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Malad	Malad to Malad	Malad to Bancroft		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	-0.1	-0.2	-1.1	-3.5	1.0	-2.6	-0.9	-0.6	-0.1	-0.5		
3	0.0	0.0	-0.1	-0.3	0.6	-0.2	-0.1	-0.1	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		
5	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		
7	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		
9	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		
11	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		
13	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		
15	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		
17	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		
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	-0.2	-0.2	-1.2	-3.9	0.0	-2.8	-1.0	-0.6	-0.1	-0.5	0.0	

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

Set Aside 1 (Non-Use/Desiccation):

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

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

Impact by Reach (AF/Trimester)												
Ashton to Resburg	Hesse to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev Wbl To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Malad	Malad to Malad	Malad to Bancroft		

Read Mo

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 (AF/Trimester)												
Ashton to Resburg	Hesse to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev Wbl To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Malad	Malad to Malad	Malad to Bancroft		
Total 1-Way Transfer Depletions	-0.9	-1.0	-7.9	-27.8	-13.3	-16.5	-6.0	-3.8	-0.4	-3.5	-0.1	
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	
	-0.9	-1.0	-7.9	-27.8	-13.3	-16.5	-6.0	-3.8	-0.4	-3.5	-0.1	

Transient State Summary of Modified Stream Depletions Following Transfer(s)												
Impact by Reach (AF/Trimester)												
Ashton to Resburg	Hesse to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev Wbl To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Malad	Malad to Malad	Malad to Bancroft		
Total 1-Way Transfer Depletions	-0.2	-0.2	-1.2	-3.9	0.0	-2.8	-1.0	-0.6	-0.1	-0.6	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	
	-0.2	-0.2	-1.2	-3.9	0.0	-2.8	-1.0	-0.6	-0.1	-0.6	0.0	

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ENTER STARTING DATE FOR
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TRANSFER NO:

"UPDATE DATES" BUTTON

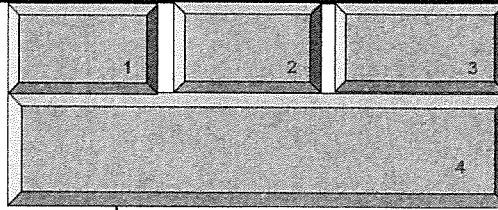
YEAR

1950

TRANSFER NAME:

SEASON

SPRING



ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL	45-733	65.0 Acres	260.0 AFA
ROW	90	88					
COLUMN	61	55					

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 1950	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1950	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1950	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1951	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1951	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1951	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1952	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1952	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1952	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1953	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1953	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1953	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1954	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1954	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1954	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1955	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1955	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1955	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1956	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1956	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1956	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1957	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1957	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1957	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1958	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1958	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1958	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1959	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1959	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1959	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1960	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1960	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1960	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1961	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1961	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1961	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1962	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1962	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1962	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1963	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1963	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1963	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1964	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1964	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1964	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1965	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1965	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1965	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1966	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1966	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1966	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1967	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1967	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1967	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1968	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1968	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1968	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1969	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1969	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1969	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1970	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1970	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1970	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1971	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1971	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1971	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1972	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1972	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1972	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1973	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1973	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1973	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 1974	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 1974	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 1974	0.0	86.7	86.7	0.0	0.0	0.0	0.0

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TRANSFER NO:

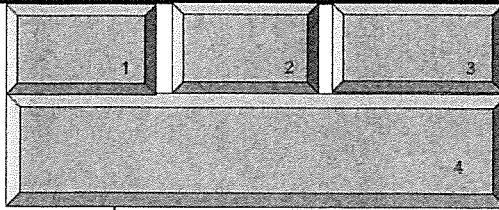
YEAR

1950

TRANSFER NAME:

SEASON

SPRING



ENTER CELL LOCATIONS:

ROW
COLUMN

'TO' CELL
90
61

'FROM1' CELL
88
55

'FROM2' CELL

'FROM3' CELL 45-733

65.0 Acres

260.0 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		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1975	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1975	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1976	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1976	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1976	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1977	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1977	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1977	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1978	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1978	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1978	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1979	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1979	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1979	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1980	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1980	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1980	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1981	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1981	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1981	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1982	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1982	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1982	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1983	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1983	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1983	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1984	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1984	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1984	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1985	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1985	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1985	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1986	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1986	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1986	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1987	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1987	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1987	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1988	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1988	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1988	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1989	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1989	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1989	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1990	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1990	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1990	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1991	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1991	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1991	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1992	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1992	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1992	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1993	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1993	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1993	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1994	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1994	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1994	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1995	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1995	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1995	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1996	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1996	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1996	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1997	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1997	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1997	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1998	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1998	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1998	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SPR 1999	0.0		86.7	86.7	0.0	0.0	0.0	0.0
SUM 1999	0.0		86.7	86.7	0.0	0.0	0.0	0.0
WIN 1999	0.0		86.7	86.7	0.0	0.0	0.0	0.0

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"UPDATE DATES" BUTTON

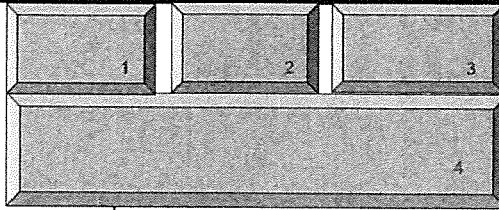
YEAR

1950

TRANSFER NAME:

SEASON

SPRING



ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL	45-733	65.0 Acres	260.0 AFA
ROW	90	88					
COLUMN	61	55					

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	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2000	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2000	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2001	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2001	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2001	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2002	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2002	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2002	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2003	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2003	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2003	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2004	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2004	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2004	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2005	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2005	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2005	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2006	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2006	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2006	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2007	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2007	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2007	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2008	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2008	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2008	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2009	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2009	0.0	86.7	86.7	0.0	0.0	0.0	0.0
WIN 2009	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SPR 2010	0.0	86.7	86.7	0.0	0.0	0.0	0.0
SUM 2010	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2010	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2011	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2011	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2011	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2012	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2012	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2012	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2013	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2013	86.7	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2013	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2014	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2014	86.7	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2014	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2015	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2015	86.7	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2015	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2016	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2016	86.7	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2016	86.7	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2017	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2017	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2017	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2018	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2018	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2018	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2019	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2019	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2019	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2020	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2020	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2020	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2021	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2021	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2021	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2022	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2022	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2022	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2023	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2023	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2023	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SPR 2024	0.0	0.0	86.7	0.0	0.0	0.0	0.0
SUM 2024	0.0	0.0	86.7	0.0	0.0	0.0	0.0
WIN 2024	0.0	0.0	86.7	0.0	0.0	0.0	0.0

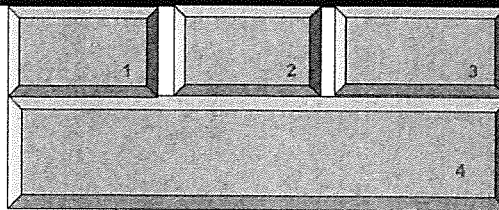
ENHANCED GROUND-WATER RIGHTS TRANSFER

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

Cells this color are set up for user entries

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

YEAR: 1950 TRANSFER NO.:
 SEASON: SPRING TRANSFER NAME:



ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL			
ROW	90	88			45-733	65.0 Acres	250.0 AFA
COLUMN	61	55					

TRIMESTER OF ACTIVITY	TO WELL		FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use	AF/TRIMESTER	With Transfer	Without Transfer	With Transfer	Without Transfer	With Transfer	Without Transfer
	AF/TRIMESTER		AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER
SPR 2025	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2025	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2025	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2026	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2026	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2026	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2027	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2027	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2027	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2028	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2028	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2028	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2029	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2029	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2029	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2030	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2030	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2030	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2031	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2031	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2031	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2032	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2032	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2032	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2033	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2033	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2033	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2034	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2034	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2034	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2035	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2035	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2035	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2036	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2036	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2036	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2037	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2037	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2037	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2038	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2038	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2038	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2039	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2039	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2039	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2040	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2040	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2040	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2041	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2041	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2041	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2042	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2042	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2042	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2043	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2043	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2043	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2044	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2044	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2044	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2045	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2045	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2045	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2046	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2046	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2046	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2047	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2047	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2047	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SPR 2048	0.0		0.0	86.7	0.0	0.0	0.0	0.0
SUM 2048	0.0		0.0	86.7	0.0	0.0	0.0	0.0
WIN 2048	0.0		0.0	86.7	0.0	0.0	0.0	0.0

Van Dyke, Nick

From: Greg Sullivan [greg.sullivan@brockwayeng.com]
Sent: Thursday, September 05, 2013 2:52 PM
To: Van Dyke, Nick
Subject: RE: Wickel Rental

Nick,

All five wells need to be listed on the rental applications. I believe that I modeled cell 90 61 because it is the worst case scenario. The water rights to be rented are West of the Wickel farm and a modeled analysis to Cell 90 61 is the worst case scenario.

Greg

From: Van Dyke, Nick [<mailto:Nick.VanDyke@idwr.idaho.gov>]
Sent: Thursday, September 05, 2013 9:50 AM
To: Greg Sullivan
Subject: RE: Wickel Rental

Ok that sounds good. One more thing to run by you – the pod grid listing on both applications lists 4 wells, all in Section 30 T10S R25E. The map shows 5 wells, the additional one being in Section 20. The section 20 well also falls within model cell 90/61, which you used for the TO cell. Need verification which one is correct.

Nick

From: Greg Sullivan [<mailto:greg.sullivan@brockwayeng.com>]
Sent: Thursday, September 05, 2013 8:48 AM
To: Van Dyke, Nick
Subject: Wickel Rental

Nick,

I talked with Ardel yesterday afternoon and he said the reduced diversion rate for the 111.0 acre rental would be fine. I told him that he would only be able to irrigated half of the 111.0 acre at a time and then rotate to the other half.

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

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