

BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

JAN 24 2012

DEPARTMENT OF
WATER RESOURCES

January 23, 2012

Gary Spackman
Idaho Department of Water Resources
322 East Front Street
P.O. Box 83720
Boise, ID 83720-0098

SUPPORT DATA

IN FILE # 29-7435

Re: Transfer 77467 for KBCP LLC and KBC Farms LLC

Dear Mr. Spackman:

Transfer 77467 was approved on December 1, 2011 for KBCP LLC and KBC Farms LLC. The transfer moved 50.2 acres of irrigation water and created a permissible place of use. A condition of the transfer approval set forth in the approval notice limits the individual diversion and volume on each of the 10 wells included in the transfer. The individual diversion and volume amounts are based on the licensed water right amounts and calculated by Blake Jordan of the Eastern IDWR office.

The condition is not satisfactory for KBCP LLC and KBC Farms LLC. The condition limits the flexibility that a PPU is intended to allow. A letter of Petition for Reconsideration and supporting documents was prepared and submitted to the Eastern IDWR office (see attachments). The Eastern IDWR office reviewed the petition and denied the petition.

In an effort to amend or remove the condition of transfer, I have analyzed three scenarios to simulate movement of water within the proposed PPU to show the effects on the aquifer and Snake River. The ten wells included in the PPU were grouped into four ESPA model cells. Wells 1, 2, 3 and 4 were grouped into cell 93089. Well 5 is grouped by itself in cell 93090. Wells 6, 7, 8 and 9 were grouped into cell 94091. Well 10 is grouped by itself in cell 95089. The volume amounts used in the three scenarios are based on the volume limits that are set forth in the conditions of transfer 77467. All three scenarios if implemented have the potential to violate the condition of the transfer and result in a notice of violation for KBCP LLC and KBC Farms LLC.

Scenario 1 analyzes a worst case hypothetical situation of well 1, 2, 3 and 4 all losing the ability to divert water for one year and the irrigation water will be provided by well 6, 7, 8 and 9. This action is appropriate for normal operation

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

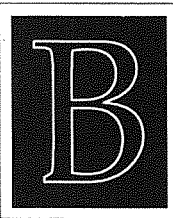
CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

within an existing PPU. The ESPA model analysis of this scenario calculated that no mitigation would be required, or that no injury would result from this action. However, the annual volume of water pumped from well 6, 7, 8 and 9 would exceed the limits set by the transfer 77467 conditions. IDWR would be required to issue a notice of violation to KBCP LLC and KBC Farms LLC because the conditions of transfer 77467 were exceeded.

Scenario 2 assumes that well 10 loses the ability to divert water for one year and wells 1, 2, 3 and 4 would be used to provide the extra water. The ESPA model analysis calculated that no mitigation would be required or that no injury would result from this action. The extra pumping from wells 1, 2, 3 and 4 are allowed under normal operating conditions for a PPU. However, this action would be in violation of the volume condition of transfer 77467 and KBCP LLC and KBC Farms LLC would receive a notice of violation.

Scenario 3 analyzes a change of the POU within the PPU. There is a pivot in Section 30 that is approximately 119.0 acres. The irrigation water for this pivot is provided by well 6, 7, 8 and 9. If this pivot was dried up and moved to Section 14. The irrigation water would come from well 5 after the change. A new POU map would be required and would be submitted to the Eastern IDWR office to inform them of the change. A model analysis of this change resulted in no mitigation required or no injury would result. This action is within the normally allowed functions of a PPU. If the 119.0 acre was moved, the volume limits of transfer 77467 conditions for well 5 would be violated and KBCP LLC and KBC Farms LLC would receive a notice of violation.

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

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

2016 NORTH
WASHINGTON
STREET • SUITE 4

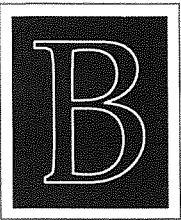
TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506

It is not clear what IDWR would require KBCP LLC and KBC Farms LLC to do in order to come into compliance with the a notice of violation for these three scenario's. Especially since no acre limits, combined water right diversion rates or combined water right volumes would be exceeded.

The only aspect of these water rights that would be in violation would be this one condition. The standard procedure to change or update a condition of a water right requires that a transfer is prepared and submitted to IDWR. It is not acceptable to be required to submit a new transfer to change the internal characteristics of an existing PPU.



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

The above analysis shows that under any condition of change within the PPU, all normal transfer conditions would be met and no injury would occur. It is therefore requested that the condition of approval that lists out the individual diversion limit and annual volume limit for each of the 10 PODs within the PPU be removed from all of the water rights included in transfer 77467. If this condition is not removed from the transfer approval conditions, the PPU cannot be managed with the flexibility that a PPU is intended to allow.

Sincerely,

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

Cc: Klaren Koornpin, James Cefalo,

Enc: Aerial Map, Condition of Approval for transfer 77467, ESPA Model Analysis Scenarios
1, 2 and 3, Petition for Reconsideration packet

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

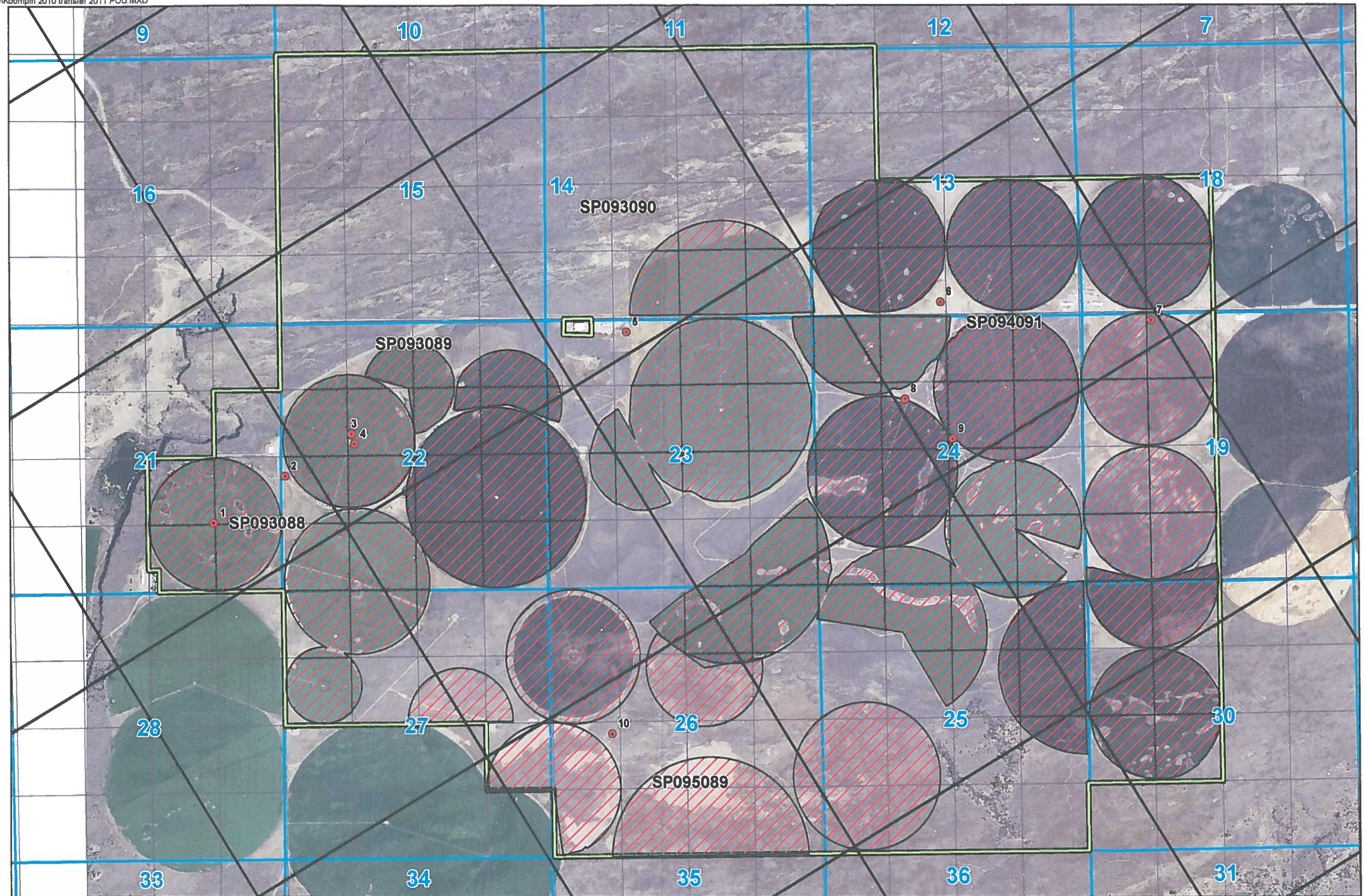
CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506



0 2,000 4,000 8,000 Feet

KOOMPIN- TRANSFER PPU TRANSFER 2010, POU 2011 NAIP 2009 AERIAL PHOTO

Legend

- Model_Grid
- Points of Diversion
- Proposed_Irrigation_2011
- Proposed PPU 2010
- Section_Lines
- QQ_lines



WATER RIGHT NO. 35-7275
As Modified by Transfer No. 77467

CONDITIONS OF APPROVAL

7. Diversion of water from the point(s) of diversion authorized by approved Transfer 77467 shall not exceed the total combined maximum diversion rates and total combined maximum diversion volumes as specified below:

NWSESE, Sec. 21, T08S, R29E, B.M., Well no. 1 limited to 1.65 cfs and 488.0 af.

NWNWSW, Sec. 22, T08S, R29E, B.M., Well no. 2 limited to 3.94 cfs and 750.6 af.

SWSENW, SWSENW Sec. 22, T08S, R29E, B.M., Well no. 3 and 4 limited to 9.10 cfs and 2182.0 af.

NWNENW, Sec. 23, T08S, R29E, B.M., Well no. 5 limited to 7.68 cfs and 1558.4 af.

SESESW, Sec. 13, T08S, R29E, B.M., Well no. 6 limited to 5.28 cfs and 1540.8 af.

NWNENW, Sec. 19, T08S, R30E, B.M., Well no. 7 limited to 4.19 cfs and 1268.8 af.

SWSWNE, NWSENW Sec. 24, T08S, R29E, B.M., Well no. 8 and 9 limited to 14.04 cfs and 4067.2 af.

NENWSW, Sec. 26, T08S, R29E, B.M., Well no. 10 limited to 5.88 cfs and 1852.9 af.

8. Use of water under this right 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. 120.
9. A lockable device subject to the approval of the Department shall be maintained on the diverting works in a manner that will provide the watermaster suitable control of the diversion.
10. Prior to the diversion and use of water under Transfer approval 77467, the right holder shall install and maintain acceptable measuring device(s) at the authorized point(s) of diversion in accordance with Department specifications, or shall obtain an approved variance from the Department to determine the amount of water diverted from power records or to maintain an existing measuring device.
11. Upon specific notification of the Department, the right holder shall install and maintain data loggers to record water usage information at the authorized point(s) of diversion in accordance with Department specifications.
12. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the lands above.
13. The right holder shall accomplish the change authorized by this transfer within one years of the date of this approval.
14. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.

Trimester

Trimester	1	2	Trimester)
Annual			AF/T:

Scenario 1: Hypothetical Well Failer

One-Way Analysis of Independent Transfers

Transfer 1 :

Scenario 1: Hypothetical Well Failer

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

Transfer 1: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

Pre-SS	100.0%
Post-SS	100.0%

Impact by Reach (AF/Trimester)

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

Pre-SS	27.18	32.18	264.43	1477.20	1465.74	86.44	33.29	21.10	2.32	19.99	0.78
Post-SS	27.18	32.18	264.43	1477.20	1465.74	86.43	33.29	21.10	2.32	19.99	0.78
Pre-TS	27.18	32.18	264.43	1477.20	1465.74	86.44	33.29	21.10	2.32	19.99	0.78
Post-TS	27.18	32.18	264.43	1504.82	1553.72	86.43	33.29	21.10	2.32	19.99	0.78

[illegible]

Transient State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.00%	1.87%	6.00%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2: > 2 AFIT:	0.0	0.0	0.0	27.8	88.8	0.0	0.0	0.0	0.0	0.0	0.0
	Mitigation Required?: Mitigation Vol. Req'd (ac-ft):	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
		0.0	0.0	0.0	27.8	88.0	0.0	0.0	0.0	0.0	0.0	0.0

[Read Me](#)

Transfer 2 :

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

Transfer: Proposed Steady State Impacts following Transfer

Transfer 1: Worst Case Transient State Impacts following Transfer

Pre-SS	0.0%
Post-SS	0.0%

Impact by Reach (AF/Trimester)

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

[illegible][illegible][illegible]

Transfer 3 :

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

Transfer: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

Impact by Reach (AF/Trimester)

Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr Maled	Maled Bencroft
----------------------	---------------------	-------------------------	------------------------	-----------------------	----------------------	-----------------	---------------	-------------------

Pre-SS	
Post-SS	
Pre-TS	
Post-TS	

[illegible][illegible]

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

TRANSFER NO:

"UPDATE DATES" BUTTON

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

TO' CELL

FROM1' CELL

FROM2' CELL

FROM3' CELL

ROW

COLUMN

93

93

94

94

Scenario 1

89

89

91

91

3420.60 AFA

6876.80 AFA

TRIMESTER

TO WELL

FROM1 WELL

FROM2 WELL

FROM3 WELL

OF

ACTIVITY

Projected Use

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

AF/TRIMESTER

SPR 1977

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1977

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1977

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1978

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1978

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1978

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1979

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1979

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1979

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1980

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1980

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1980

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1981

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1981

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1981

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1982

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1982

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1982

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1983

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1983

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1983

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1984

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1984

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1984

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1985

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1985

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1985

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1986

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 1986

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 1986

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 1987

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

TRANSFER NO:

"UPDATE DATES" BUTTON

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

TO' CELL

FROM1' CELL

FROM2' CELL

FROM3' CELL

ROW

COLUMN

93

93

94

91

Scenario 1

TRIMESTER

OF

ACTIVITY

TO WELL

Projected Use

AF/TRIMESTER

FROM1 WELL

With Transfer

AF/TRIMESTER

FROM2 WELL

Without Transfer

AF/TRIMESTER

FROM3 WELL

With Transfer

AF/TRIMESTER

Without Transfer

AF/TRIMESTER

FROM3 WELL

With Transfer

AF/TRIMESTER

Without Transfer

AF/TRIMESTER

FROM3 WELL

With Transfer

AF/TRIMESTER

Without Transfer

AF/TRIMESTER

SPR 2002	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2002	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2002	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2003	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2003	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2003	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2004	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2004	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2004	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2005	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2005	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2005	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2006	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2006	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2006	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2007	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2007	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2007	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2008	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2008	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2008	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2009	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2009	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2009	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2010	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2010	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2010	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2011	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2011	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2011	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2012	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2012	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2012	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2013	0.0	0.0	1,140.2	3,432.5	2,292.3	0.0	0.0
SUM 2013	0.0	0.0	1,140.2	3,432.5	2,292.3	0.0	0.0
WIN 2013	0.0	0.0	1,140.2	3,432.5	2,292.3	0.0	0.0
SPR 2014	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2014	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2014	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2015	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2015	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2015	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2016	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2016	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2016	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2017	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2017	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2017	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2018	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2018	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2018	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2019	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2019	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2019	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2020	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2020	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2020	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2021	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2021	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2021	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2022	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2022	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2022	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2023	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2023	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2023	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2024	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2024	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2024	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2025	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2025	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2025	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SPR 2026	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
SUM 2026	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0
WIN 2026	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPA

Cells this color are
set up for user entries

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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

'TO' CELL

'FROM1' CELL

'FROM2' CELL

'FROM3' CELL

ROW
COLUMN

93

93

94

Scenario 1

89

91

TRIMESTER

TO WELL

FROM1 WELL

FROM2 WELL

FROM3 WELL

OF

Projected Use

With Transfer

Without Transfer

With Transfer

Without Transfer

With Transfer

Without Transfer

ACTIVITY

AF/TRIMESTER

AF/TRIMESTER

AF/TRIMESTER

AF/TRIMESTER

AF/TRIMESTER

AF/TRIMESTER

AF/TRIMESTER

SPR 2027

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2027

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2027

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2028

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2028

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2028

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2029

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2029

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2029

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2030

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2030

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2030

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2031

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2031

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2031

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2032

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2032

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2032

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2033

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2033

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2033

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2034

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2034

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2034

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2035

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2035

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2035

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2036

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2036

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

WIN 2036

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SPR 2037

0.0

1,140.2

1,140.2

2,292.3

2,292.3

0.0

0.0

SUM 2037

0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are
set up for user entries

ENTER STARTING DATE FOR

SIMULATION. THEN PUSH

"UPDATE DATES" BUTTON

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	93	93	94	
COLUMN	89	89	91	

Scenario 1

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	3420.60 AFA		6876.80 AFA					
		With Transfer AF/TRIMESTER	Without Transfer 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 2052	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2052	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2052	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2053	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2053	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2053	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2054	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2054	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2054	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2055	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2055	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2055	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2056	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2056	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2056	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2057	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2057	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2057	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2058	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2058	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2058	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2059	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2059	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2059	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2060	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2060	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2060	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2061	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2061	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2061	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2062	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2062	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2062	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2063	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2063	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2063	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2064	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2064	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2064	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2065	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2065	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2065	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2066	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2066	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2066	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2067	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2067	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2067	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2068	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2068	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2068	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2069	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2069	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2069	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2070	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2070	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2070	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2071	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2071	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2071	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2072	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2072	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2072	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2073	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2073	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2073	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2074	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2074	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2074	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2075	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2075	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2075	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0

[illegible]

[illegible]

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

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	95	95	93	
COLUMN	89	89	89	

Scenario 2

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	1852.90 AFA		3420.60 AFA			
		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 1977	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1977	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1977	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1978	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1978	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1978	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1979	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1979	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1979	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1980	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1980	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1980	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1981	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1981	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1981	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1982	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1982	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1982	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1983	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1983	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1983	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1984	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1984	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1984	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1985	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1985	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1985	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1986	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1986	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1986	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1987	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1987	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1987	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1988	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1988	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1988	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1989	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1989	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1989	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1990	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1990	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1990	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1991	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1991	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1991	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1992	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1992	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1992	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1993	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1993	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1993	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1994	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1994	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1994	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1995	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1995	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1995	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1996	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1996	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1996	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1997	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1997	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1997	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1998	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1998	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1998	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 1999	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 1999	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 1999	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2000	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2000	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2000	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2001	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2001	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2001	0.0	617.6	617.6	1,140.2	1,140.2	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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	95	95	93	Scenario 2
COLUMN	89	89	89	

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	1852.90 AFA		3420.60 AFA			
		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 2002	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2002	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2002	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2003	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2003	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2003	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2004	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2004	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2004	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2005	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2005	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2005	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2006	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2006	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2006	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2007	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2007	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2007	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2008	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2008	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2008	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2009	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2009	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2009	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2010	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2010	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2010	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2011	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2011	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2011	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2012	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2012	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2012	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2013	0.0	0.0	617.6	1,757.8	1,140.2	0.0	0.0
SUM 2013	0.0	0.0	617.6	1,757.8	1,140.2	0.0	0.0
WIN 2013	0.0	0.0	617.6	1,757.8	1,140.2	0.0	0.0
SPR 2014	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2014	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2014	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2015	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2015	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2015	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2016	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2016	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2016	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2017	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2017	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2017	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2018	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2018	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2018	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2019	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2019	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2019	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2020	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2020	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2020	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2021	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2021	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2021	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2022	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2022	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2022	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2023	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2023	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2023	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2024	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2024	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2024	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2025	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2025	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2025	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2026	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2026	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2026	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are
set up for user entries

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

TRANSFER NO:

YEAR
SEASON

1977

TRANSFER NAME:

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	95	95	93	
COLUMN	89	89	89	

Scenario 2

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	1852.90 AFA		3420.60 AFA			
		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 2027	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2027	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2027	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2028	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2028	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2028	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2029	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2029	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2029	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2030	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2030	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2030	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2031	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2031	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2031	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2032	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2032	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2032	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2033	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2033	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2033	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2034	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2034	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2034	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2035	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2035	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2035	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2036	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2036	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2036	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2037	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2037	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2037	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2038	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2038	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2038	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2039	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2039	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2039	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2040	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2040	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2040	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2041	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2041	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2041	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2042	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2042	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2042	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2043	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2043	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2043	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2044	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2044	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2044	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2045	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2045	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2045	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2046	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2046	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2046	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2047	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2047	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2047	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2048	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2048	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2048	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2049	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2049	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2049	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2050	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2050	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2050	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2051	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2051	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2051	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are set up for user entries

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

TRANSFER NO:

YEAR: 1977
SEASON: SPRING

TRANSFER NAME:

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	95	95	93	
COLUMN	89	89	89	Scenario 2

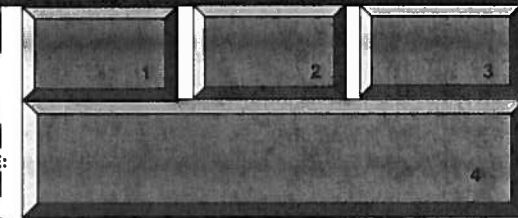
TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	1852.90 AFA		3420.60 AFA			
		FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 2052	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2052	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2052	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2053	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2053	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2053	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2054	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2054	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2054	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2055	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2055	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2055	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2056	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2056	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2056	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2057	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2057	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2057	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2058	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2058	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2058	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2059	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2059	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2059	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2060	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2060	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2060	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2061	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2061	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2061	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2062	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2062	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2062	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2063	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2063	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2063	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2064	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2064	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2064	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2065	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2065	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2065	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2066	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2066	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2066	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2067	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2067	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2067	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2068	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2068	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2068	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2069	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2069	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2069	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2070	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2070	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2070	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2071	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2071	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2071	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2072	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2072	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2072	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2073	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2073	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2073	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2074	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2074	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2074	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SPR 2075	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
SUM 2075	0.0	617.6	617.6	1,140.2	1,140.2	0.0	0.0
WIN 2075	0.0	617.6	617.6	1,140.2	1,140.2	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

TRANSFER NO:

"UPDATE DATES" BUTTON

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	TO' CELL	FROM1' CELL	FROM2' CELL	FROM3' CELL
ROW	95	93		
COLUMN	89	89		

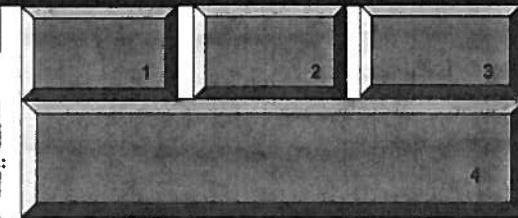
TRIMESTER OF ACTIVITY	1852.90 AFA		3420.60 AFA		FROM2 WELL		FROM3 WELL	
	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1977	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1977	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1977	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1978	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1978	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1978	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1979	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1979	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1979	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1980	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1980	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1980	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1981	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1981	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1981	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1982	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1982	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1982	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1983	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1983	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1983	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1984	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1984	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1984	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1985	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1985	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1985	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1986	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1986	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1986	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1987	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1987	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1987	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1988	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1988	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1988	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1989	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1989	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1989	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1990	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1990	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1990	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1991	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1991	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1991	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1992	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1992	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1992	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1993	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1993	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1993	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1994	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1994	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1994	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1995	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1995	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1995	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1996	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1996	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1996	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1997	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1997	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1997	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1998	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1998	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1998	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 1999	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 1999	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 1999	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2000	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2000	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2000	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2001	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2001	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2001	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are set up for user entries



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

TRANSFER NO:

YEAR: 1977
SEASON: SPRING

TRANSFER NAME:

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	95	93		
COLUMN	89	89		

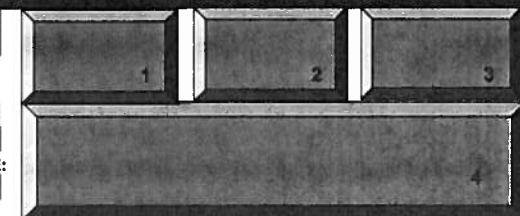
TRIMESTER OF ACTIVITY	1852.90 AFA		3420.60 AFA							
	TO WELL	Projected Use	FROM1 WELL	FROM1 WELL	FROM2 WELL	FROM2 WELL	FROM3 WELL	FROM3 WELL	FROM3 WELL	FROM3 WELL
	AF/TRIMESTER	AF/TRIMESTER	With Transfer	Without Transfer	With Transfer	Without Transfer	With Transfer	Without Transfer	With Transfer	Without Transfer
SPR 2002	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2002	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2002	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2003	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2003	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2003	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2004	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2004	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2004	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2005	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2005	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2005	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2006	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2006	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2006	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2007	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2007	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2007	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2008	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2008	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2008	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2009	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2009	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2009	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2010	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2010	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2010	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2011	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2011	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2011	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2012	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2012	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2012	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2013	0.0	617.6	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2013	0.0	617.6	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2013	0.0	617.6	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2014	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2014	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2014	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2015	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2015	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2015	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2016	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2016	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2016	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2017	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2017	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2017	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2018	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2018	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2018	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2019	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2019	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2019	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2020	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2020	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2020	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2021	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2021	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2021	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2022	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2022	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2022	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2023	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2023	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2023	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2024	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2024	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2024	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2025	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2025	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2025	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2026	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2026	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2026	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are
set up for user entries



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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	TO CELL	FROM1 CELL	FROM2 CELL	FROM3 CELL
ROW	95	93		
COLUMN	89	89		

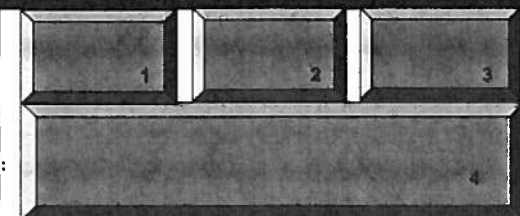
TRIMESTER OF ACTIVITY	1852.90 AFA		3420.60 AFA							
	TO WELL	Protected Use	FROM1 WELL	Without Transfer	FROM2 WELL	Without Transfer	FROM3 WELL	Without Transfer	Without Transfer	Without Transfer
	AF/TRIMESTER	AF/TRIMESTER	With Transfer	AF/TRIMESTER	With Transfer	AF/TRIMESTER	With Transfer	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER
SPR 2027	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2027	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2027	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2028	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2028	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2028	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2029	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2029	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2029	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2030	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2030	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2030	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2031	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2031	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2031	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2032	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2032	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2032	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2033	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2033	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2033	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2034	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2034	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2034	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2035	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2035	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2035	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2036	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2036	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2036	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2037	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2037	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2037	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2038	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2038	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2038	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2039	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2039	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2039	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2040	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2040	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2040	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2041	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2041	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2041	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2042	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2042	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2042	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2043	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2043	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2043	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2044	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2044	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2044	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2045	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2045	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2045	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2046	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2046	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2046	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2047	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2047	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2047	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2048	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2048	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2048	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2049	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2049	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2049	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2050	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2050	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2050	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SPR 2051	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
SUM 2051	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	0.0	0.0
WIN 2051	617.6		0.0	1,140.2	0.0	0.0	0.0	0.0	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

TRANSFER NO:

"UPDATE DATES" BUTTON

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

	TO' CELL	FROM1' CELL	FROM2' CELL	FROM3' CELL
ROW	95	93		
COLUMN	89	89		

TRIMESTER OF ACTIVITY	1852.90 AFA		3420.60 AFA		FROM2 WELL		FROM3 WELL	
	TO WELL Protected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 2052	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2052	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2052	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2053	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2053	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2053	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2054	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2054	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2054	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2055	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2055	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2055	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2056	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2056	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2056	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2057	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2057	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2057	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2058	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2058	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2058	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2059	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2059	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2059	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2060	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2060	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2060	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2061	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2061	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2061	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2062	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2062	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2062	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2063	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2063	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2063	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2064	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2064	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2064	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2065	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2065	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2065	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2066	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2066	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2066	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2067	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2067	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2067	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2068	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2068	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2068	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2069	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2069	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2069	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2070	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2070	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2070	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2071	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2071	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2071	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2072	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2072	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2072	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2073	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2073	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2073	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2074	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2074	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2074	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SPR 2075	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
SUM 2075	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0
WIN 2075	617.6	0.0	1,140.2	0.0	0.0	0.0	0.0	0.0

[illegible]

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

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

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

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

Steady State Summary of Modified Stream Depletions Following Transfer(s)												
Impact by Reach (AF/Trimester)												
Ashton to Resburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Mindoka	Dev. Wht. To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Maled	Maled to Bancroft			
1	0.2	0.2	1.6	5.2	-9.1	1.0	0.4	0.2	0.0	0.2	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:	0.0	0.0	0.0	0.0	-9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Transient State Summary of Modified Stream Depletions Following Transfer(s)												
Impact by Reach (AF/Trimester)												
Ashton to Resburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Mindoka	Dev. Wht. To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Maled	Maled to Bancroft			
1	0.2	0.2	1.6	5.2	-3.5	1.0	0.4	0.2	0.0	0.2	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
	0.2	0.2	1.6	5.2	-3.5	1.0	0.4	0.2	0.0	0.2	0.0	0.0

Evaluation of Permanent Mitigation Efforts (non-use, across 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
--------	----------------	-----------------	-------------------	---------------	--------------	-------------------------	------------

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	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Mindoka	Dev. Wht. To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Maled	Maled to Bancroft			

Pre-SS

Post-SS

Pre-TS

Post-TS

Read Me

SS Reach Impacts:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Mindoka	Dev. Wht. To Buhl	Buhl to 1000 Spr	1000 Spr to 1000 Spr	1000 Spr to Maled	Maled to Bancroft			
Total 1-Way Transfer Depletions:	0.0	0.0	0.0	0.0	-9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Mitigation Efforts:	0.0	0.0	0.0	0.0	-9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPA

Cells this color are
set up for user entries

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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

'TO' CELL

'FROM1' CELL

'FROM2' CELL

'FROM3' CELL

ROW

93

93

94

Scenario 3

119

COLUMN

90

90

91

476.00 AFA

TRIMESTER OF ACTIVITY	TO WELL Protected Use AF/TRIMESTER	3420 60 AFA		6876 80 AFA					
		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	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1977	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1977	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1977	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1978	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1978	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1978	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1979	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1979	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1979	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1980	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1980	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1980	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1981	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1981	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1981	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1982	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1982	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1982	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1983	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1983	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1983	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1984	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1984	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1984	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1985	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1985	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1985	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1986	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1986	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1986	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1987	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1987	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1987	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1988	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1988	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1988	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1989	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1989	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1989	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1990	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1990	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1990	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1991	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1991	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1991	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1992	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1992	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1992	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1993	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1993	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1993	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1994	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1994	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1994	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1995	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1995	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1995	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1996	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1996	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1996	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1997	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1997	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1997	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1998	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1998	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1998	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 1999	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 1999	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 1999	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2000	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2000	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2000	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SPR 2001	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
SUM 2001	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0
WIN 2001	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPA

Cells this color are
set up for user entries

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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

'TO' CELL

'FROM1' CELL

'FROM2' CELL

'FROM3' CELL

ROW
COLUMN

93
90

93
90

94
91

Scenario 3

119

4

476.00 AFA

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	3420.60 AFA		6876.80 AFA					
		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 2002	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2002	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2002	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2003	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2003	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2003	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2004	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2004	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2004	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2005	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2005	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2005	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2006	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2006	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2006	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2007	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2007	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2007	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2008	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2008	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2008	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2009	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2009	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2009	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2010	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2010	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2010	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2011	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2011	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2011	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2012	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SUM 2012	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
WIN 2012	0.0	1,140.2	1,140.2	2,292.3	2,292.3	0.0	0.0		
SPR 2013	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2013	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2013	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2014	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2014	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2014	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2015	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2015	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2015	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2016	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2016	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2016	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2017	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2017	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2017	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2018	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2018	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2018	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2019	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2019	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2019	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2020	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2020	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2020	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2021	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2021	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2021	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2022	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2022	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2022	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2023	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2023	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2023	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2024	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2024	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2024	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2025	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2025	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2025	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SPR 2026	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
SUM 2026	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		
WIN 2026	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0		

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPA

Cells this color are
set up for user entries

1

2

3

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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

'TO' CELL

'FROM1' CELL

'FROM2' CELL

'FROM3' CELL

ROW

93

93

94

Scenario 3

119

4

COLUMN

90

90

91

476.00 AFA

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	3420.60 AFA		6876.80 AFA					
		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	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 2027	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2027	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2027	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2028	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2028	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2028	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2029	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2029	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2029	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2030	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2030	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2030	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2031	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2031	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2031	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2032	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2032	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2032	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2033	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2033	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2033	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2034	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2034	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2034	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2035	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2035	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2035	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2036	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2036	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2036	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2037	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2037	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2037	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2038	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2038	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2038	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2039	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2039	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2039	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2040	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2040	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2040	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2041	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2041	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2041	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2042	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2042	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2042	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2043	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2043	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2043	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2044	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2044	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2044	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2045	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2045	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2045	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2046	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2046	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2046	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2047	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2047	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2047	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2048	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2048	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2048	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2049	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2049	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2049	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2050	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2050	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2050	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2051	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2051	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2051	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are
set up for user entries

1

2

3

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

TRANSFER NO:

YEAR

1977

TRANSFER NAME:

SEASON

SPRING

ENTER CELL LOCATIONS:

'TO' CELL 'FROM1' CELL 'FROM2' CELL 'FROM3' CELL

ROW

93

93

94

Scenario 3

119

4

COLUMN

90

90

91

476.00 AFA

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	3420.60 AFA		6876.80 AFA					
		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 2052	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2052	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2052	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2053	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2053	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2053	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2054	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2054	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2054	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2055	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2055	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2055	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2056	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2056	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2056	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2057	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2057	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2057	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2058	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2058	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2058	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2059	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2059	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2059	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2060	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2060	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2060	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2061	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2061	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2061	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2062	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2062	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2062	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2063	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2063	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2063	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2064	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2064	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2064	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2065	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2065	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2065	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2066	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2066	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2066	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2067	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2067	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2067	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2068	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2068	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2068	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2069	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2069	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2069	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2070	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2070	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2070	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2071	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2071	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2071	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2072	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2072	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2072	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2073	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2073	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2073	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2074	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2074	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2074	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SPR 2075	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
SUM 2075	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0
WIN 2075	0.0	1,298.9	1,140.2	2,133.6	2,292.3	0.0	0.0	0.0	0.0



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

December 12, 2011

James Cefalo
Idaho Department of Water Resources
900 North Skyline Drive, Suite A
Idaho Falls, ID 83402-1718

Re: Petition for Reconsideration for Transfer 77467 for KBCP LLC and KBC Farms LLC

Dear Mr. Cefalo:

The intent of Transfer 77467 is to first transfer 50.2 acres of ground water to the farm operated by KBCP LLC and KBC Farms LLC and second to create a 6,154.0 acre permissible place of use in which 3,434.0 acres will be irrigated. By creating the permissible place of use (PPU) there would be "flexibility to the water right owners and to avoid the requirement to file a transfer every time a place-of-use change was anticipated within an area where crops would be rotated under the farming operation" *Gary Spackman Memo*, August 10, 2009.

The transfer was first submitted to the Department on April 18, 2011 and was reviewed by Blake Jordan. Blake reviewed the application and returned it to Brockway Engineering on June 6, 2011 listing several concerns pertaining to property ownership, adding points of diversion and the ESPA Model analysis submitted with the application. These issues were addressed and the transfer application was re-submitted on June 15, 2011. On December 1, 2011 Transfer 77467 was approved by the Department of Water Resource.

In the cover letter for the re-submitted transfer application it was stated that there is no proposed change in the place of use of the existing water rights and that it was expected that the current wells would continue to provide the necessary irrigation water to the existing pivots as historically provided. This statement deals specifically with the changes proposed by the transfer and does not include any changes that may be made to the POU within the PPU after the transfer is approved. It is impossible to know what future events or decisions will be made that will change the irrigation practices of this farm. The intent of forming the PPU is to allow flexibility without filing additional transfers to make changes within the PPU.

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

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

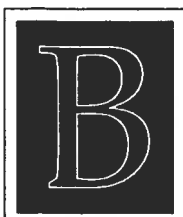
2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506

MAILED
12/12/11
80



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

A condition of approval set by IDWR and listed on all of the water rights within the PPU requires that "before changing the 3,434.0 acres to be irrigated within the 6,154.0 acre place of use, the right holder shall submit a new land list and representative electronic shape file or map to the Department prior to the irrigation season in which the change will occur." This is a customary condition when a PPU is created and KBCP LLC and KBC Farms LLC are willing to adhere to this condition.

A separate condition of approval by IDWR has been listed as a condition of approval on all of the water rights within the PPU that limits the diversion amount and volume amount of irrigation water that can be pumped from each of the 10 PODs included in Transfer 77467. This condition is not a condition that KBCP LLC and KBC Farms LLC can accept. This condition undermines the purpose of creating a PPU. This condition does not allow any change to the POU to occur within the PPU. When a change in the POU occurs, the pumping rates and volumes will also change. This condition would require KBCP LLC and KBC Farms LLC to "file a transfer every time a place-of-use change was anticipated within an area where crops would be rotated under the farming operation" *Gary Spackman Memo, August 10, 2009.*

Management of a farming operation this large requires a firm understanding of rules and regulations set by the State of Idaho for lawful water right management and still be capable of managing a continual changing farming operation properly. It is very likely that at some time in the future one of the 10 PODs within this PPU will require maintenance to some degree during an irrigation season. The maintenance may be relatively simple and can be fixed in a few days or less. This would prevent any loss of crops, or revenue, and the diversion and volume pumped by all 10 wells would remain relatively unchanged.

However, what would happen in the event that the POD experiences a catastrophic failure during the irrigation season and will require several weeks or months to fix. The farm managers cannot allow the crops to be lost. A second or third well would be used to offset the loss of the first well until the first well can be properly fixed and ready for production again. This would insure that no crop loss would occur. The closest wells would be utilized to reduce the transmission expense of moving the water further. As long as the total diversion and volume pumped by all 10 wells for the season remain below the total limits set forth in the PPU. These actions would result in IDWR issuing a Notice of Violation because the second and third well would exceed the set diversion and volume limit included in the conditions of

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

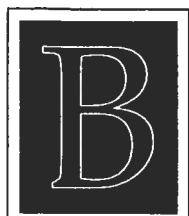
CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

approval for Transfer 77467. This is not acceptable and does not allow any flexibility within a PPU.

Discussions with KBCP LLC and KBC Farms LLC indicate that they may desire to relocate an existing pivot from a location of poor crop producing soil to a new location that would provide better crop production within the PPU. A change in the POU would result and IDWR would receive a new POU map indicating what changes would be made. This procedure would not require a transfer and is within the limits of a PPU. This procedure would result in IDWR issuing a Notice of Violation because there would be an increase in diversion and volume pumped by one or more of the 10 PODs in the PPU. Even when the combined diversion limits, annual volume limit and acre limitation set forth in Transfer 77467 are not exceeded, a Notice of Violation would be issued by IDWR. This is not acceptable and contradicts the purpose of having a PPU.

It is requested that the condition of approval that lists the diversion limit and annual volume limit for each of the 10 PODs within the PPU be removed from all of the water rights included in Transfer 77467.

Sincerely,

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

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: Klaren Koompin

Enc: Gary Spackman letter August 10, 2009, Transfer 77467 Cover letter April 18, 2011,
Blake Jordan letter June 6, 2011, Transfer 77467 Amended Cover letter June 15, 2011,
2009 Aerial Map



State of Idaho
DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098
Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 10, 2009

CHARLES E BROCKWAY PHD PE
BROCKWAY ENGINEERING PLLC
2016 N WASHINGTON STREET SUITE 4
TWIN FALLS ID 83301

RE: Applications for Transfer – KBCP LLC (35-2172) and Salmon Falls Land
and Cattle (2-7249 and 2-7462)

Dear Mr. Brockway:

I have received your letter dated July 20, 2009 regarding the transfer applications referenced above. In your letter you raised questions about Department policy for permissible places of use (PPU) and injury analysis using combined ESPA model reaches as applied to the transfer applications.

Permissible Place of Use (PPU)

You are correct in your understanding that the Department does authorize water rights where the acreage that can be irrigated in one season is limited within a larger defined PPU. The Department has limited written policy on the use of PPU descriptions and the practice has evolved over time as water right enforcement has increased. The PPU concept was originally adopted with the goal to provide some flexibility to the water right owner and avoid the requirement to file a transfer every time a place-of-use change was anticipated within an area where crops would be rotated under their farming operation.

As more water districts have been established since SRBA decrees have been issued, expectations have been raised to administer water rights based on those decrees. Experience has shown that it can be difficult to confirm compliance with acre limits within a PPU unless the watermaster or Department staff is notified of the location where irrigation is anticipated within the PPU. This is especially true where a PPU is significantly larger than the acres authorized to be irrigated in one season under the right(s).

To continue to allow flexibility to the water user without diminishing the Department's or watermaster's ability to administer the rights, the Department has recently applied conditions requiring those larger PPU's to clearly identify the acres intended for irrigation within the PPU and to provide notice to the Department when changes are anticipated. The Department has used the following condition on approvals:

This right is limited to the irrigation of a specific <00.0 acres> within the <00.0 acre> place of use authorized by this right in a single irrigation season. The specific <00.0 acres> to be irrigated by the right holder shall be identified prior to use by submittal of a land list and a representative electronic shape file or by submittal of a land list and a map sufficiently detailed to allow creation of an electronic shape file to be associated with this right in the geographic information system component of the water rights database maintained by the department. Before changing the <00.0 acres> to be irrigated within the <00.0 acre> place of use, the right holder shall submit a new land list and representative electronic shape file or map to the department prior to the irrigation season in which the change will occur.

Another situation where a PPU might be requested is when the specific location of irrigated acres has not been finally determined within a larger planned project where irrigation may not be the primary purpose of the project (e.g. a 2-acre picnic area within a large industrial complex that covers multiple 40-acre tracts). An application providing for some alternate locations (not the entire complex) could be processed using a PPU. If approvable, the Department will condition a transfer approval to require the water right owner to report the as-built location and provide for an update of the Department's records to limit the place of use to the reported location. For a permit, the Department will confirm the as-built location when conducting a beneficial use field exam and issue a license where the use has been developed.

In your letter you also requested clarification of the need for a PPU to be limited to irrigable acres. Applicants often propose creation of a PPU to include all lands under their ownership, whether irrigable or not. Although a PPU based on ownership boundaries may be easier to describe, experience has shown that such descriptions create ambiguities for compliance efforts and can create complications when ownership changes occur that would split the water right(s). The Department is not intending to require the applicant (or the Department) to make a determination of irrigable acres for all lands within the PPU; however, it is reasonable to expect exclusion of lands that will not be irrigated in the foreseeable future due to water features, lands with excessive slope, roadways and parking lots, or other obstacles that would prevent irrigation. For a permit, the Department will confirm the irrigation locations when conducting a beneficial use field exam and issue a license limiting any PPU to those lands that have actually been part of the irrigation rotation.

Combining Reaches in ESPA Transfer Analysis

Your letter also asked for clarification of the use of combined ESPA model reaches for transfer injury analysis. You noted that former Director Tuthill indicated that utilization of the combined Near Blackfoot to Minidoka reach for determining Snake River reach depletion should be considered for transfer 75147. Transfer 75147 proposed a change in point of diversion from a well located just south of the upper part of American Falls Reservoir to a well located near the river just below the dam at American Falls Reservoir. The combination of the Near Blackfoot to Neeley reach with the Neeley to Minidoka reach was considered acceptable for injury analysis using the ESPA model due to the proximity of the wells to the river, the distance of the move, and location of existing points of diversion and priority dates for rights from the Snake River

Mr. Brockway
August 10, 2009
Page 3 of 3

within the reaches. Similar circumstances for the KBCP LLC transfer justify the same consideration.

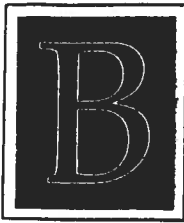
I hope this letter provides the clarification you need to submit the applications to the Department for processing.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary Spackman", with a stylized, cursive script.

Gary Spackman
Interim Director

cc: Lyle Swank - Eastern Region IDWR
Allen Merritt - Southern Region IDWR
Shelley Keen - IDWR State Office



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

April 18, 2011

Dave Carlson
Idaho Department of Water Resources
900 North Skyline Drive, Suite A
Idaho Falls, ID 83402-1718

Re: KBCP LLC and KBC Farms LLC transfer

Dear Mr. Carlson:

KBC Farms LLC recently purchased 50.2 acres of irrigation water from water right 29-7435 which is owned by Kryst and Melissa Krein. Their desire is to transfer the 50.2 acres to the Lake Channel Farm operated by KBCP LLC and KBC Farms LLC. They also desire to create a permissible place of use (PPU) with the water rights owned by KBCP LLC and KBC Farms LLC.

The ownership of the water rights currently owned by KBCP LLC and KBC Farms LLC will remain unchanged and the ownership of the land covered by the PPU will not be changing. A permissible place of use agreement between the two entities is being provided. By creating the PPU, KBCP LLC and KBC Farms LLC will be able to better manage the water rights utilized to irrigate the entire farm.

The POD (point of diversion) for water right 29-7435 is located at Township 08S Range 30E Sec. 27 NENESE and is in ESPA Model cell 98094. The proposed PPU will have ten wells (Exhibit B) to provide irrigation water for the farm. The well located furthest from the current 29-2735 POD is approximately 7.0 miles away and is located in ESPA model cell 93088. A value of 50.2 acres at 3.5 af per acre or 175.7 afa was modeled with 58.6 af per trimester.

Due to the proximity of the proposed POD in cell 93088 and the current POD in cell 98094 to the Snake River and the river reach boundary between the Near Blackfoot to Neeley river reach and the Neeley to Minidoka river reach, the two reaches were combined in the ESPA Model analysis tool. This procedure of combining the Near Blackfoot to Neeley river reach and Neeley to Minidoka river reach was applied and accepted by IDWR for transfers 75147 and 75910 (See attached IDWR letter dated August 10, 2009). The result of the combined river reaches indicates that there will be a negative

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

MAILED
4/19/11
SD



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

depletion affect on the combined river reach area due to this transfer and therefore no mitigation is required (See attached ESPA Model Analysis).

A second ESPA Model analysis was performed, but not included in attachments, based off of the location of the POD that will be providing the irrigation water to the 50.2 acres to be transferred. The POD is Well 10, a new well approved in transfer 75910. The location of Well 10 is in Township 08S Range 29E Section 26 NWSW and ESPA Model cell 95089. This second model run was analyzed without combining the Near Blackfoot to Neeley river reach and the Neeley to Minidoka river reach. The result is that no mitigation is required due to this transfer.

The period of use and beneficial use of all water rights involved in this transfer will not be changing.

A proposed POU shape is being provided with this application. This new POU shape will outline the location of all water rights to be included in the PPU. A more accurate aerial map of the proposed POU will be provided when a recent aerial photograph is available of the local area.

Please copy our office on all correspondence regarding this application.

Sincerely,

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

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

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

Cc: Klaren Koompin

Enc: Aerial Map of PPU, Aerial Map of POU, Aerial Map of 29-7435, Exhibit A, B and C, Correspondence with IDWR and Brockway Engineering concerning combining river reaches, Annual Report for KBC Farms LLC, Annual Report for KBCP LLC, Krein Warranty Deed, KBCP LLC Warranty Deeds, KBC Farms, LLC Warranty Deed, Permissible Place of Use Agreement, Water Right Sale Agreement, Bank Letter from Northwest Farm Credit Services, Check # 10004 for \$1660.00

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N Skyline Dr., Ste A, Idaho Falls, Idaho 83402-1718

Phone: (208) 525-7161 FAX: (208) 525-7177 www.idwr.idaho.gov

June 6, 2011

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

GREG SULLIVAN
BROCKWAY ENGINEERING P.L.L.C.
2016 N WASHINGTON ST. SUITE 4
TWIN FALLS, ID 83301

RECEIVED
JUN 07 2011

RE: Application for Transfer

Dear Mr. Sullivan:

The Department of Water Resources has received the application for transfer you submitted for KBCP LLC and KBC Farms LLC. After a preliminary review of the application, we have determined that it is incomplete and cannot be accepted for processing in its current form. We are returning the application to allow you to address the following items.

The point of diversion for well #7 is described incorrectly.

Exhibit B of the application describes well #7 in the NWNENW of Sec. 19, 08S, 29E. According to the map submitted with the application, well #7 should be located in the NWNENW of Sec. 19, 08S, 30E.

The proposed permissible place of use appears to include land not owned by the applicants.

According to Power County taxlot data (updated in June, 2010), Lance Funk owns approximately 5.8 acres in the NENENWNW and NWNWNENW of 08S, 29E, Sec. 23. Exhibit C of the application suggests that the applicant is proposing to include Lance Funk's property as part of the permissible place of use. The map attached to the application also suggests that the applicant is including Lance Funk's property as part of the permissible place of use. Please verify that applicants own the property in the NENENWNW; NWNWNENW of 08S, 29E, Sec. 23 or provide a consent letter from the current property owner allowing you to make this place of use change to include said property.

Some of the taxlot data that the department receives from Idaho counties can be out of date, incomplete and/or incorrect. To verify that the applicants are the current owners of the land under the permissible place of use, we request that the most recent tax assessments be submitted with the application.

The purpose of transfer should likely include adding diversion point(s).

According to the application, the applicants are seeking to combine all of their water rights and a portion of water right 29-7435 into a 6154.0 acre permissible place of use. Your cover letter states that the proposed PPU will have ten wells to provide irrigation water for the farm, which leads us to believe that the applicant may also be adding points of diversion for each of the water rights involved in this transfer. It is clear that the applicant is proposing to change the place of use, change point of diversion and add

point(s) of diversion for water right 29-7435, but there is some uncertainty whether the applicant is seeking to add point(s) of diversion for all the water rights. Please verify if the intent of this transfer is to also add points of diversion to all of the KBCP and KBC owned water rights.

The ESPA analysis is incomplete.

The ESPA analysis attached to the application only simulated the effects of 175.7 acre-feet of water from water right 29-7435 located in ESPA model cell 98094("from well") being moved to well #1 and well #2 located in ESPA model cell 93088 ("too well"), which suggests no mitigation is required. Your cover letter notes that a second ESPA model analysis was performed but was not included in attachments, which simulated the effects of water being moved from water right 29-7435 located in ESPA model cell 98094("from well") to well #10 located ESPA model cell 93088 ("too well"). The end result of this analysis was that no mitigation is required.

According to Transfer Processing Memorandum No.24 (2009), " If the application for transfer proposes to move the point of diversion for a water right to divert and use ground water from one location to another within the Eastern Snake River Plain Aquifer (ESPA) including any modeled tributary aquifers, the applicant must submit an attachment with the application that sets forth the time series of calculated depletions (transient to steady-state) to reaches of the Snake River that are hydraulically-connected to the ESPA using or based on the department's current ground water model for the ESPA, or other equivalent analysis acceptable to the department. When using results from or based on the department's ground water model, the time series of calculated depletions must be for the cells containing the points of diversion both before and after the proposed transfer."

The ESPA analysis submitted with this application did not simulate the depletions to reaches of the Snake River that are hydraulically-connected to the ESPA for all of the proposed points of diversion moves in this transfer. The analysis submitted only simulated the effects of 175.7 acre-feet of water from water right 29-7435 located in ESPA model cell 98094("from well") being moved to well #1 and well #2 located in ESPA model cell 93088 ("too well"). If the application for transfer is seeking to utilize all ten points of diversion for each of the water rights involved in the transfer, then an ESPA analysis must be conducted and the results submitted as an attachment to the application for each diversion move.

You noted in your cover letter that the department accepted ESPA analysis submitted with transfers 75147 and 75910, which combined the Near Blackfoot to Neeley reach and Neeley to Minidoka reach. Combining the Near Blackfoot to Neeley reach and Neeley to Minidoka reach was considered acceptable for injury analysis in those transfers due to how close the wells were to the river, the distance of the point of diversion change, and the location of existing points of diversion and priority dates for the Snake River water rights within the reaches. The circumstances for this transfer seem to be similar to transfers 75147 and 75910. Before the department can accept the proposal of combining the Near Blackfoot to Neeley reach and Neeley to Minidoka reach for this transfer, we will need completed ESPA analysis for each of the proposed point of diversion moves.

Due to the size and number of water rights involved in this transfer, there may be additional items overlooked in the initial review that may need addressed. At this time, we feel that once the deficiencies listed above are addressed you can resubmit your application for review by the department.

Please contact this office if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Blake Jordan", with a long horizontal flourish extending to the right.

Blake Jordan
Sr. Water Resource Agent

Enclosures



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

June 15, 2011

Blake Jordan
Idaho Department of Water Resources
900 North Skyline Drive, Suite A
Idaho Falls, ID 83402-1718

Re: KBCP LLC and KBC Farms LLC transfer
311-05-2009

Dear Mr. Jordan:

I am re-submitting the KBCP LLC and KBC Farms LLC transfer. Necessary changes have been made to the transfer application based on your initial review of the transfer application.

Lance Funk entered into a lease agreement with Bowler Ranches Inc for the parcel of land located at Township 08 South Range 29 East Section 23 in the N1/2NW1/4 on May 1, 2004. The parcel of land was sold to KBCP, LLC on December 18, 2008. The lease agreement and warranty deed defining these transactions is attached to this letter. Lance Funk continues to lease the property from KBCP LLC.

On June 7, 2011, Charles E. Brockway and I visited by phone with Jeff Peppersack, of The Idaho Department of Water Resources, concerning this transfer. Jeff Peppersack believes that "adding" points of diversion on the transfer application best describes administratively what is intended for the existing points of diversion within the proposed permissible place of use (PPU). KBCP LLC and KBC Farms desires to include all ten wells, currently being utilized within the proposed PPU, as points of diversion for all of the water rights listed in Exhibit A of the transfer application. This will allow the PPU to be efficiently managed and secure irrigation water during the irrigation season for the entire farm.

We also discussed with Jeff Peppersack concerning how to best model the change in aquifer demand due to this proposed transfer. Through our conversation it was determined that the ESPA model analysis approach that Brockway Engineering applied for the additional 175.7 acre-feet is adequate and meets the requirements set forth in the Transfer Processing Memorandum No. 24. Further discussion with Jeff Peppersack concerning an ESPA model analysis of the proposed PPU resulted in the conclusion that no ESPA model

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

MAILED
6/15/11



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

analysis is required other than moving the 175.7 acre-feet since the existing water rights and points of diversion have been historically beneficially used within the limits set forth in the water rights. There is no proposed change in use or place of use for the existing water rights. It is expected that the current wells will continue to provide the necessary irrigation water to the existing pivots as historically provided. Only in times of mechanical well failure will additional irrigation water be pumped from alternate wells within the PPU. This additional pumping is expected to be temporary until the proper maintenance can be performed. Therefore, an ESPA model analysis would be comparing the same diversion volume that has been historically pumped as the proposed pumping volume. The only proposed change in diversion volume is the additional 175.7 acre-feet that has previously been modeled.

If you feel that there are addition issues that need to be addressed concerning the modeling of the proposed PPU, please call Brockway Engineering and we can discuss the issues further.

Sincerely,

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

Cc: Klaren Koompin

Enc: KBCP LLC and KBC Farms LLC transfer, Lease agreement with Lance Funk and Bowler Ranch, LLC, Warranty Deed

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

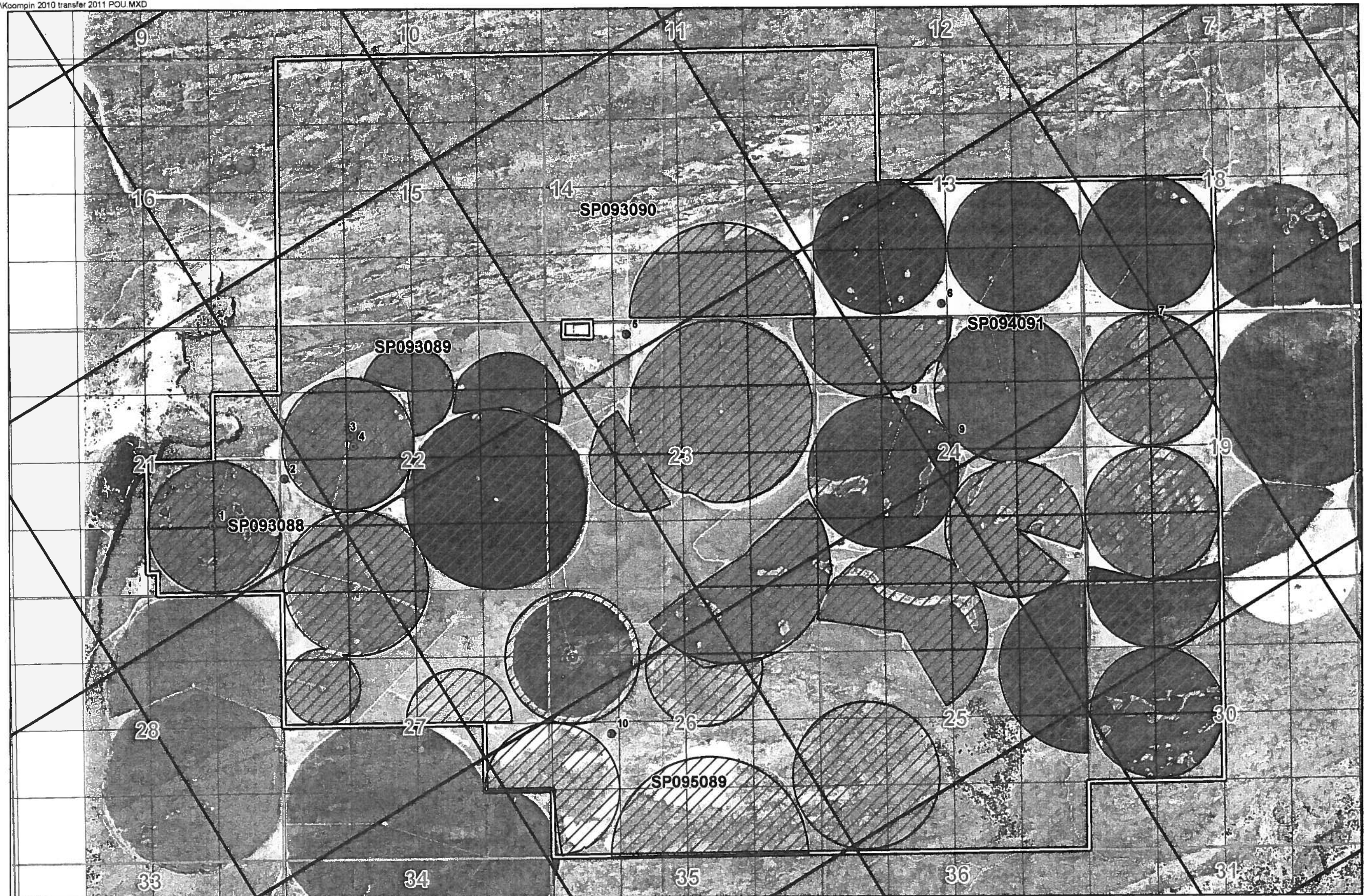
CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506



**KOOMPIN- TRANSFER
PPU TRANSFER 2010, POU 2011
NAIP 2009 AERIAL PHOTO**

Legend

- | | |
|--------------------------|---------------|
| Model_Grid | Section_Lines |
| Points of Diversion | QQ_Lines |
| Proposed_Irrigation_2011 | |
| Proposed_PPU_2010 | |

