

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No.

80538

MINIMUM REQUIREMENTS CHECKLIST
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

RECEIVED

NOV 25 2015

An application for transfer must be prepared in accordance with the minimum requirements listed below to be acceptable for processing by the Department. Incomplete applications will be returned. The instructions, fee schedule, Part 2A reports and additional Part 2B forms are available from any Department office or on the Department's website at www.idwr.idaho.gov.

Name of Applicant(s) Jeffrey and Chana Duffin

Check whether each item below is *attached* (Yes) or *not applicable* (N/A) for the proposed transfer.

Yes ☒ N/A ☐ * Means the item is always required and must be included with the application.

- ☒ * Completed Application for Transfer of Water Right form, Part 1.
- ☒ * Signature of applicant(s) or applicant's authorized representative on Application for Transfer Part 1. Include evidence of authority labeled Attachment #3 (see below) if signed by representative.
- ☒ * Application for Transfer Part 2A. Attach a Part 2A report describing each water right in the transfer as currently recorded.
- ☒ ☐ Complete and attach an Application for Transfer Part 2B for each water right for which only a portion is proposed to be changed through this transfer application.
- ☒ * Application for Transfer Part 3A is always required (see Attachment #7a below); Parts 3B and 3C must be completed for transfer applications proposing to change the nature of use of the water right(s) or proposing changes to supplemental right(s).
- ☒ * Correct fee submitted with transfer application form. (Fee schedule is on website and instructions for application for transfer.)

Attachments to Application - Label each attachment with the corresponding number shown below as Attachment #1-10.

- ☐ ☒ #1 If the applicant is a business, partnership, organization, or association, and not currently registered in the State of Idaho as a business entity, attach documentation identifying officers authorized to sign or act on behalf of right holder. (See Part 1.)
- ☐ ☒ #2a Water Right ownership documentation if Dept. records do not show the applicant as the current water right owner. **
- ☐ ☒ #2b If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s).**
** Additional fee(s) required for water right ownership changes; see fee schedule.
- ☐ ☒ #3 Documentation of authority to make the change if the applicant is not the water right owner.
- ☐ ☒ #4 Power of Attorney or documentation providing authority to sign or act on the applicant's behalf. (See Part 1.)
- ☒ ☐ #5 If the transfer application proposes to change the point of diversion for a water right affecting the Eastern Snake Plain Aquifer (ESPA), attach the results of an ESPA analysis and a detailed mitigation plan to offset any depletions to hydraulically connected reaches of the Snake River. ESPA transfer spreadsheet and model grid labeled cells are available on the Department's website at www.idwr.idaho.gov/WaterManagement/WaterRights/WaterRightTransfers/resources.htm.
- ☐ ☒ #6 Notarized statement of agreement or a statement on official letterhead signed by an authorized representative from each lien holder or other entity with financial interest in the water right(s) or land affected by the proposed transfer. (See Part 1.5.c.)
- ☒ * #7a Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described on the application. Include legal description labels. If only a portion of the right is proposed to be changed, identify the current location of the part of the existing right(s) proposed to be changed. (See Part 3A.)
- ☒ ☐ #7b If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System (GIS) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use. If some or all of any right is leased to the Water Supply Bank, you must also show the the specific location and/or acres to be idled at the new, proposed place of use to satisfy lease requirements.
- ☐ ☒ #8a If the transfer application proposes to change the nature of use or period of use for one or more rights, provide documentation describing the extent of historic beneficial use for the water rights proposed to be transferred and document how enlargement will be avoided. (See Part 3B.) Additional fee required for proposed changes to nature of use; see fee schedule.
- ☐ ☒ #8b If the transfer application proposes to change the place of use of a supplemental irrigation right, provide documentation regarding the historic use of the supplemental right(s) and availability or reliability of the primary right(s) being supplemented, both before and after the proposed change. (See Part 3C.)
- ☐ ☒ #9 Water Supply Bank information for all rights proposed for transfer and currently leased to the Bank. (Attachment WSB)
- ☐ ☒ #10 Other. Please describe: _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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Department of Water Resources
Eastern Region

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1

Name of Applicant(s) Jeffrey and Chana Duffin Phone _____Mailing address PO Box 525, Aberdeen, ID 83210 Email _____

- ☐ If applicant is not an individual and not registered to do business in the State of Idaho, attach documentation identifying officers authorized to sign or act on behalf of the applicant. Label it **Attachment #1**.
- ☐ Attach water right ownership documentation if Department records do not show the transfer applicant as the current water right owner. Label it **Attachment #2a**.
- ☐ If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). Label it **Attachment #2b**.
- ☐ Attach documentation of authority to make the proposed change if the applicant is not the water right owner. Label it **Attachment #3**.

Provide contact information below if a consultant, attorney, or any other person is representing the applicant in this transfer process.

☐ No RepresentativeName of Representative Robert L. Harris Phone (208) 523-0620Mailing address PO Box 50130, Idaho Falls, ID 83405 Email rharris@holdenlegal.com

- ☐ Send all correspondence for this application to the representative and not to the applicant.
OR
- ☒ Send original correspondence to the applicant and copies to the representative.
- ☐ The representative may submit information for the applicant but is not authorized to sign for the applicant.
OR
- ☒ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation providing authority to sign for the applicant and label it **Attachment #4**.

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Robert L. Harris
Signature of Applicant or Authorized Representative

Robert L. Harris, Attorney
Print Name and Title if applicable

11/25/2015
Date

Signature of Applicant or Authorized Representative

Print Name and Title if applicable

Date

A. PURPOSE OF TRANSFER

1. ☐ Change point of diversion ☒ Add diversion point(s) ☒ Change place of use
☐ Change nature of use ☐ Change period of use ☐ Other _____

2. Describe your proposal in narrative form, including a detailed description of non-irrigation uses to justify amounts transferred (i.e. number of stock, etc.), and provide additional explanation of any other items on the application. Attach additional pages if necessary and label it **Part 1A.2**.

The purpose of this transfer is to move a portion of the place of the use of Water Right No. 35-7667 to a new place of use, and to add a new point of diversion.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1 Continued

B. DESCRIPTION OF RIGHTS AFTER THE REQUESTED CHANGES. IF THE RIGHTS ARE BEING SPLIT, DESCRIBE PORTIONS TO BE CHANGED AS THEY WOULD APPEAR AFTER THE REQUESTED CHANGES.

1.	Right Number	Amount (cfs/ac-ft)	Nature of Use	Period of Use	Source & Tributary
All or Part ☐ ☒	35-7667	0.2 cfs/40 ac-ft	Irrigation	04/01 to 10/31	Ground water
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	

Total authorized under rights 0.2 cfs and/or 40 acre-feet.

2. Total amount of water proposed to be transferred or changed 0.2 cubic feet per second and/or 40 acre-feet per year.

3. Point(s) of Diversion:

- ☐ No changes to point(s) of diversion are proposed - the following chart is therefore not completed. (Proceed to #4.)
- ☒ Attach Eastern Snake Plain Aquifer analysis if this transfer proposes to change a point of diversion affecting the ESPA. Label it Attachment #5.

New ?	Lot	¼	¼	¼	Sec	Twp	Rge	County	Source	Local name or tag #
			NW	NW	20	05S	31E	Bingham	Ground water	

4. Place of use: (If irrigation, identify with number of acres irrigated per ¼ ¼ tract.)

- ☐ No changes to place of use are proposed - the following chart is therefore not completed. (Proceed to #5.)

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Acre Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05S	31E	20						10											10
Total Acres (for irrigation use)																			10

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1 Continued

5. General Information:

- a. Describe the complete diversion system, including how you will accommodate a measuring device and lockable controlling works should they be required now or in the future:

Existing well and pump.

- b. Who owns the property at the point(s) of diversion? Applicant

If other than the applicant, describe the arrangement enabling the applicant to access the property for the diversion system:

- c. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?

If yes, ☐ attach a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes on official letterhead signed by an authorized representative. Label it **Attachment #6**. List the name of the entity and type of lien: _____

It is the applicant's responsibility to provide notice to lien holder, trustee, mortgagor, or contract holder of the proposed changes that may impact or change the value of the water rights or affected real property. Any misrepresentation of legal encumbrance on this application may result in rejection of the application or cancellation of an approval.

- d. Are any of the water rights proposed for transfer currently leased to the Water Supply Bank?

If yes, ☐ complete Attachment WSB.

- e. Describe the effect on the land now irrigated if the place or purpose of use is changed pursuant to this transfer:

The current place of use also receives water from the Aberdeen-Springfield Canal Company and will still be irrigated with this water.

- f. Describe the use of any other water right(s) for the same purpose or land, or the same diversion system as right(s) proposed to be transferred at both the existing and proposed point(s) of diversion and place(s) use:

The current and proposed place of use also receive water from the Aberdeen-Springfield Canal Company.

- g. To your knowledge, has/is any portion of the water right(s) proposed to be changed:

Yes No

- ☐ ☒ undergone a period of five or more consecutive years of non-use,
☐ ☒ currently leased to the Water Supply Bank,
☐ ☒ currently used in a mitigation plan limiting the use of water under the right, or
☐ ☒ currently enrolled in a Federal set-aside program limiting the use of water under the rights?

If yes, describe:

**Attachment No. 2a
Water Right Ownership
Documentation**

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

11/25/2015

WATER RIGHT NO. 35-7667

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	CHANA DUFFIN
Current Owner	JEFFREY DUFFIN
	PO BOX 525
	ABERDEEN, ID 83210
	(208)221-1115
Original Owner	VERN R DUFFIN
	2142 S 2800 W
	ABERDEEN, ID 83210
	(208)397-4100
Security Interest	IDAHO AGCREDIT FLCA
	PO BOX 300
	AMERICAN FALLS, ID 83211

Priority Date: 06/11/1992
Basis: License
Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	04/01	10/31	1.08 CFS	215.6 AFA
Total Diversion			1.08 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SWSWNE|Sec. 20|Township 06S|Range 31E|BINGHAM County

Place(s) of use:

Place of Use Legal Description: IRRIGATION BINGHAM County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
06S	31E	20		SWNE 20			SENE 14.9							
				SENE 19										

Total Acres: 53.9

Conditions of Approval:

1. R64
- 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.

Dates:

Licensed Date: 12/24/2001

Decreed Date:

Permit Proof Due Date: 4/1/1980

Permit Proof Made Date: 6/11/1992

Permit Approved Date: 3/14/1977

Permit Moratorium Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date: 02/02/1977

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal:

Owner Name Connector: AND

Water District Number: 120

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4

Civil Case Number:

Old Case Number:

Decree Plaintiff:
Decree Defendant:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

A. PLAT MAP (See Part 3A of Instructions for application for transfer for complete requirements.)

- If the place of use currently consists of a permissible place of use, then the attachment is not required if the application contains a clear statement that the boundaries for the place of use are not proposed to be changed by the transfer and the total number of irrigated acres within the place of use before and after the transfer is clearly stated.**

If any part of the irrigation water right is leased to the Water Supply Bank, you must also specify the location and number of acres that will remain idled for the duration of the lease contract at the new, proposed place of use.

B. CHANGES IN NATURE OF USE (Water Balance)

- ☐ If you propose to change the nature of use or period of use of all or part of the right(s) listed in this application, attach documentation describing the extent of historic beneficial use of the portion of the right(s) proposed to be changed. Also attach documentation showing that the portion of the right(s) to be changed will not be enlarged in rate, volume, or consumptive use through the proposed change. Label it **Attachment #8a**.

C. PLACE OF USE CHANGES TO SUPPLEMENTAL IRRIGATION RIGHTS

- ☐ If you propose to change the place of use of a supplemental irrigation right, answer below and attach supporting documentation. Label it **Attachment #8b**.

Describe how the supplemental water rights have been used historically in conjunction with other water rights at the existing place of use. Describe the time during the irrigation season that the supplemental rights have been used. Include information about the availability or reliability of the primary right(s) being supplemented, both before and after the change. If the applicant is proposing to change a supplemental irrigation right to a primary right, provide the information required on Part 3B above:

[illegible]

FOR DEPARTMENT USE ONLY

Transfer contains _____ **pages and** _____ **attachments.**

Received by _____ Date _____ Preliminary check by _____ Date _____

Fee paid 200- Date 11/25/15 Received by SC Receipt # E041648

Add'l fee paid _____ Date _____ Received by _____ Receipt # _____

Check all that apply: Attachment WSB ☐ (copy sent to state office) Lessor Designation form ☐ &/or W-9 ☐ (originals to state office)

Attachment No. 5
ESPA Analysis and Mitigation
Plan

ATTACHMENT 5.1

Water Modeling – Data Entry

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are
set up for user entries

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

YEAR

1992

SEASON

SPRING

TRANSFER NO:

TRANSFER NAME

Duffin

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	82	88		
COLUMN	106	103		

TRIMESTER OF ACTIVITY	TO WELL	FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1992	0	13	13	0	0	0	0
SUM 1992	0	13	13	0	0	0	0
WIN 1992	0	13	13	0	0	0	0
SPR 1993	0	13	13	0	0	0	0
SUM 1993	0	13	13	0	0	0	0
WIN 1993	0	13	13	0	0	0	0
SPR 1994	0	13	13	0	0	0	0
SUM 1994	0	13	13	0	0	0	0
WIN 1994	0	13	13	0	0	0	0
SPR 1995	0	13	13	0	0	0	0
SUM 1995	0	13	13	0	0	0	0
WIN 1995	0	13	13	0	0	0	0
SPR 1996	0	13	13	0	0	0	0
SUM 1996	0	13	13	0	0	0	0
WIN 1996	0	13	13	0	0	0	0
SPR 1997	0	13	13	0	0	0	0
SUM 1997	0	13	13	0	0	0	0
WIN 1997	0	13	13	0	0	0	0
SPR 1998	0	13	13	0	0	0	0
SUM 1998	0	13	13	0	0	0	0
WIN 1998	0	13	13	0	0	0	0
SPR 1999	0	13	13	0	0	0	0
SUM 1999	0	13	13	0	0	0	0
WIN 1999	0	13	13	0	0	0	0
SPR 2000	0	13	13	0	0	0	0
SUM 2000	0	13	13	0	0	0	0
WIN 2000	0	13	13	0	0	0	0
SPR 2001	0	13	13	0	0	0	0
SUM 2001	0	13	13	0	0	0	0
WIN 2001	0	13	13	0	0	0	0
SPR 2002	0	13	13	0	0	0	0
SUM 2002	0	13	13	0	0	0	0
WIN 2002	0	13	13	0	0	0	0
SPR 2003	0	13	13	0	0	0	0
SUM 2003	0	13	13	0	0	0	0
WIN 2003	0	13	13	0	0	0	0
SPR 2004	0	13	13	0	0	0	0
SUM 2004	0	13	13	0	0	0	0
WIN 2004	0	13	13	0	0	0	0
SPR 2005	0	13	13	0	0	0	0
SUM 2005	0	13	13	0	0	0	0

WIN 2005	0	13	13	0	0	0	0
SPR 2006	0	13	13	0	0	0	0
SUM 2006	0	13	13	0	0	0	0
WIN 2006	0	13	13	0	0	0	0
SPR 2007	0	13	13	0	0	0	0
SUM 2007	0	13	13	0	0	0	0
WIN 2007	0	13	13	0	0	0	0
SPR 2008	0	13	13	0	0	0	0
SUM 2008	0	13	13	0	0	0	0
WIN 2008	0	13	13	0	0	0	0
SPR 2009	0	13	13	0	0	0	0
SUM 2009	0	13	13	0	0	0	0
WIN 2009	0	13	13	0	0	0	0
SPR 2010	0	13	13	0	0	0	0
SUM 2010	0	13	13	0	0	0	0
WIN 2010	0	13	13	0	0	0	0
SPR 2011	0	13	13	0	0	0	0
SUM 2011	0	13	13	0	0	0	0
WIN 2011	0	13	13	0	0	0	0
SPR 2012	0	13	13	0	0	0	0
SUM 2012	0	13	13	0	0	0	0
WIN 2012	0	13	13	0	0	0	0
SPR 2013	0	13	13	0	0	0	0
SUM 2013	0	13	13	0	0	0	0
WIN 2013	0	13	13	0	0	0	0
SPR 2014	0	13	13	0	0	0	0
SUM 2014	0	13	13	0	0	0	0
WIN 2014	0	13	13	0	0	0	0
SPR 2015	0	13	13	0	0	0	0
SUM 2015	0	13	13	0	0	0	0
WIN 2015	0	13	13	0	0	0	0
SPR 2016	13	0	13	0	0	0	0
SUM 2016	13	0	13	0	0	0	0
WIN 2016	13	0	13	0	0	0	0
SPR 2017	13	0	13	0	0	0	0
SUM 2017	13	0	13	0	0	0	0
WIN 2017	13	0	13	0	0	0	0
SPR 2018	13	0	13	0	0	0	0
SUM 2018	13	0	13	0	0	0	0
WIN 2018	13	0	13	0	0	0	0
SPR 2019	13	0	13	0	0	0	0
SUM 2019	13	0	13	0	0	0	0
WIN 2019	13	0	13	0	0	0	0
SPR 2020	13	0	13	0	0	0	0
SUM 2020	13	0	13	0	0	0	0
WIN 2020	13	0	13	0	0	0	0
SPR 2021	13	0	13	0	0	0	0
SUM 2021	13	0	13	0	0	0	0
WIN 2021	13	0	13	0	0	0	0
SPR 2022	13	0	13	0	0	0	0
SUM 2022	13	0	13	0	0	0	0
WIN 2022	13	0	13	0	0	0	0
SPR 2023	13	0	13	0	0	0	0
SUM 2023	13	0	13	0	0	0	0
WIN 2023	13	0	13	0	0	0	0
SPR 2024	13	0	13	0	0	0	0
SUM 2024	13	0	13	0	0	0	0
WIN 2024	13	0	13	0	0	0	0
SPR 2025	13	0	13	0	0	0	0
SUM 2025	13	0	13	0	0	0	0
WIN 2025	13	0	13	0	0	0	0
SPR 2026	13	0	13	0	0	0	0
SUM 2026	13	0	13	0	0	0	0
WIN 2026	13	0	13	0	0	0	0
SPR 2027	13	0	13	0	0	0	0
SUM 2027	13	0	13	0	0	0	0
WIN 2027	13	0	13	0	0	0	0
SPR 2028	13	0	13	0	0	0	0
SUM 2028	13	0	13	0	0	0	0
WIN 2028	13	0	13	0	0	0	0
SPR 2029	13	0	13	0	0	0	0
SUM 2029	13	0	13	0	0	0	0
WIN 2029	13	0	13	0	0	0	0
SPR 2030	13	0	13	0	0	0	0

SUM 2030	13	0	13	0	0	0	0
WIN 2030	13	0	13	0	0	0	0
SPR 2031	13	0	13	0	0	0	0
SUM 2031	13	0	13	0	0	0	0
WIN 2031	13	0	13	0	0	0	0
SPR 2032	13	0	13	0	0	0	0
SUM 2032	13	0	13	0	0	0	0
WIN 2032	13	0	13	0	0	0	0
SPR 2033	13	0	13	0	0	0	0
SUM 2033	13	0	13	0	0	0	0
WIN 2033	13	0	13	0	0	0	0
SPR 2034	13	0	13	0	0	0	0
SUM 2034	13	0	13	0	0	0	0
WIN 2034	13	0	13	0	0	0	0
SPR 2035	13	0	13	0	0	0	0
SUM 2035	13	0	13	0	0	0	0
WIN 2035	13	0	13	0	0	0	0
SPR 2036	13	0	13	0	0	0	0
SUM 2036	13	0	13	0	0	0	0
WIN 2036	13	0	13	0	0	0	0
SPR 2037	13	0	13	0	0	0	0
SUM 2037	13	0	13	0	0	0	0
WIN 2037	13	0	13	0	0	0	0
SPR 2038	13	0	13	0	0	0	0
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WIN 2038	13	0	13	0	0	0	0
SPR 2039	13	0	13	0	0	0	0
SUM 2039	13	0	13	0	0	0	0
WIN 2039	13	0	13	0	0	0	0
SPR 2040	13	0	13	0	0	0	0
SUM 2040	13	0	13	0	0	0	0
WIN 2040	13	0	13	0	0	0	0
SPR 2041	13	0	13	0	0	0	0
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WIN 2041	13	0	13	0	0	0	0
SPR 2042	13	0	13	0	0	0	0
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SPR 2045	13	0	13	0	0	0	0
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WIN 2047	13	0	13	0	0	0	0
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SPR 2049	13	0	13	0	0	0	0
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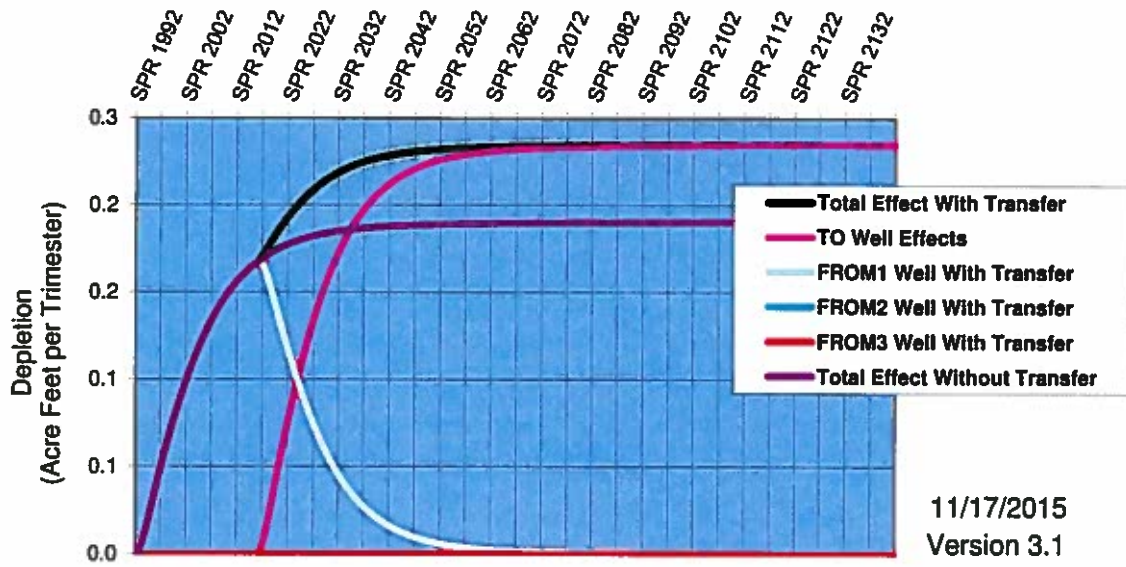
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WIN 2082	13	0	13	0	0	0	0
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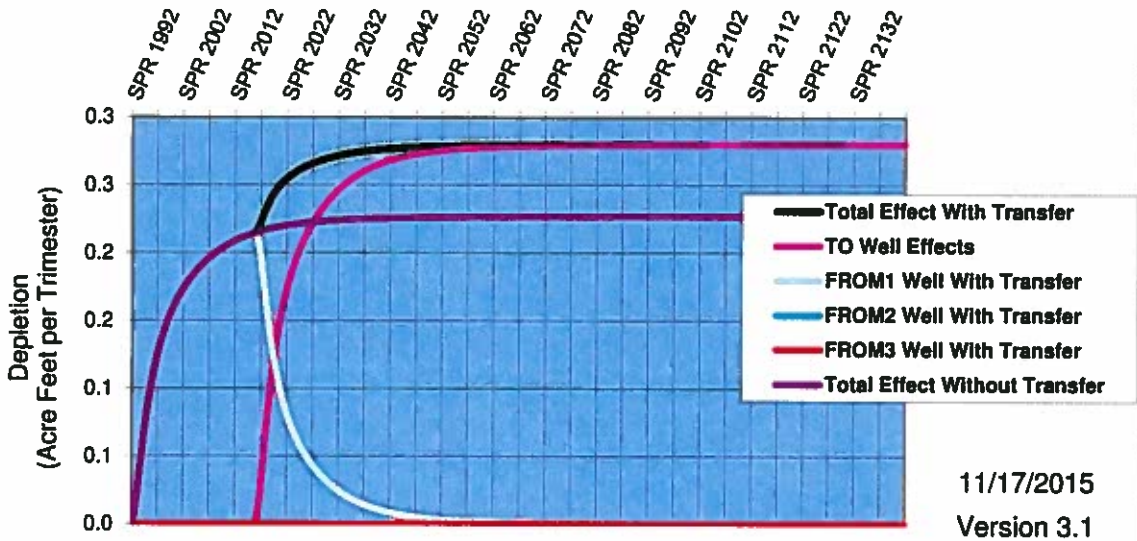
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ATTACHMENT 5.2
Water Modeling – Graphs
above Milner

Hydrologic Response--Ashton to Rexburg
Customer Name: Duffin **Transfer No:**



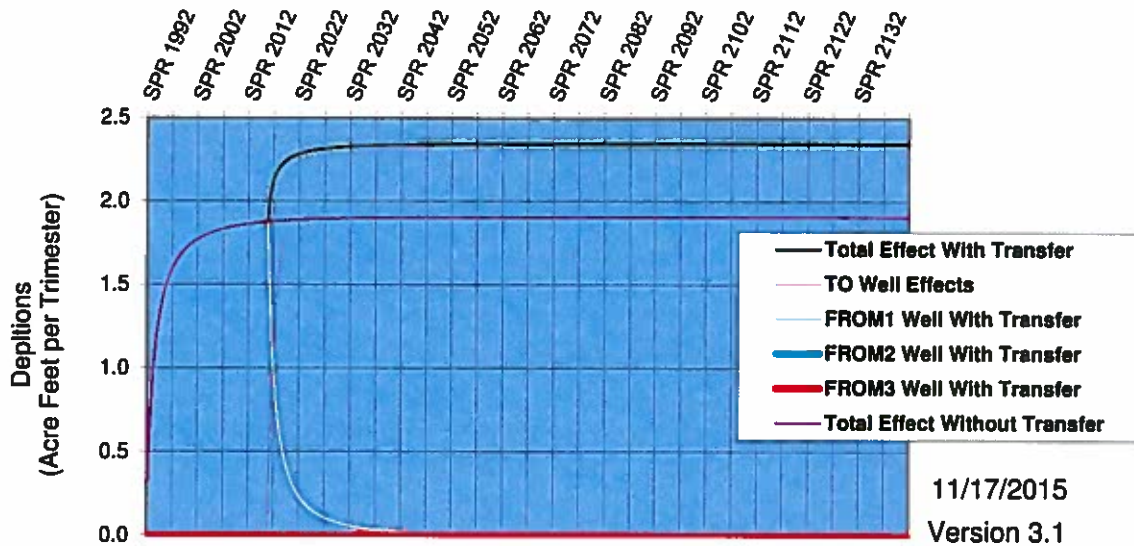
Hydrologic Response--Heise to Shelley
Customer Name: Duffin **Transfer No:**



Hydrologic Response—Shelley to Near Blackfoot

Customer Name: Duffin

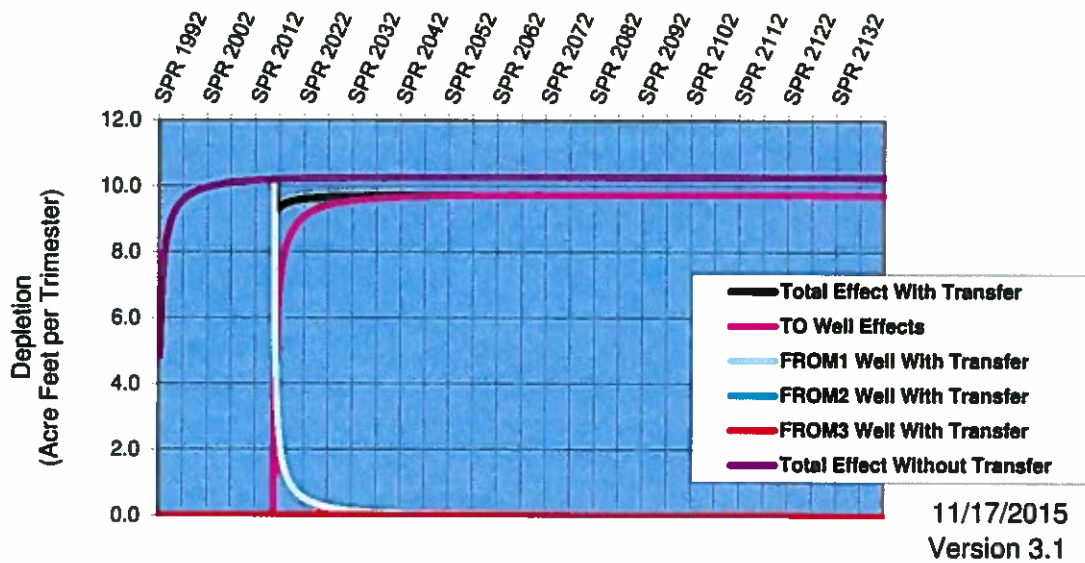
Transfer No:



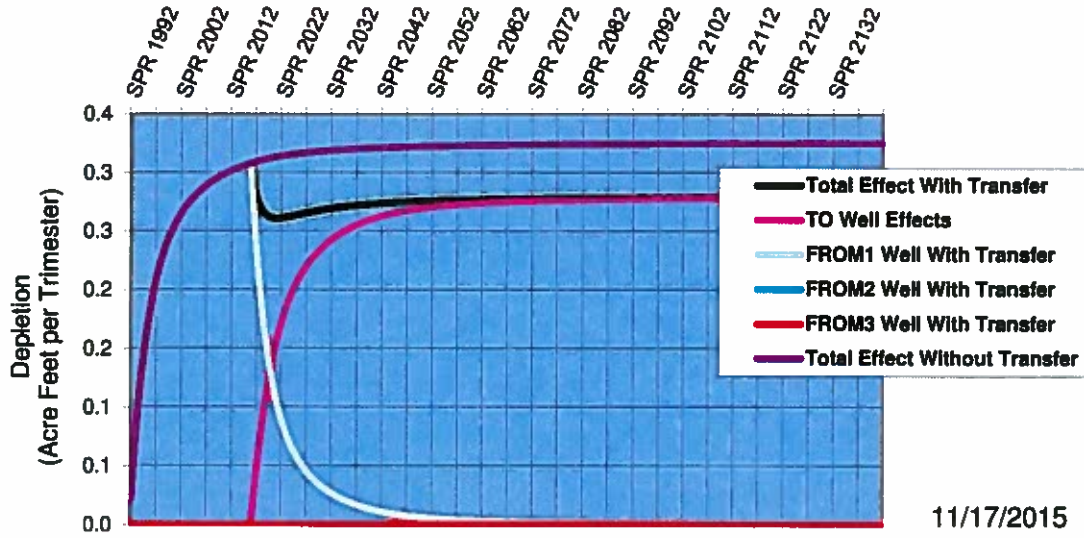
Hydrologic Response— Near Blackfoot to Neeley

Customer Name: Duffin

Transfer No:

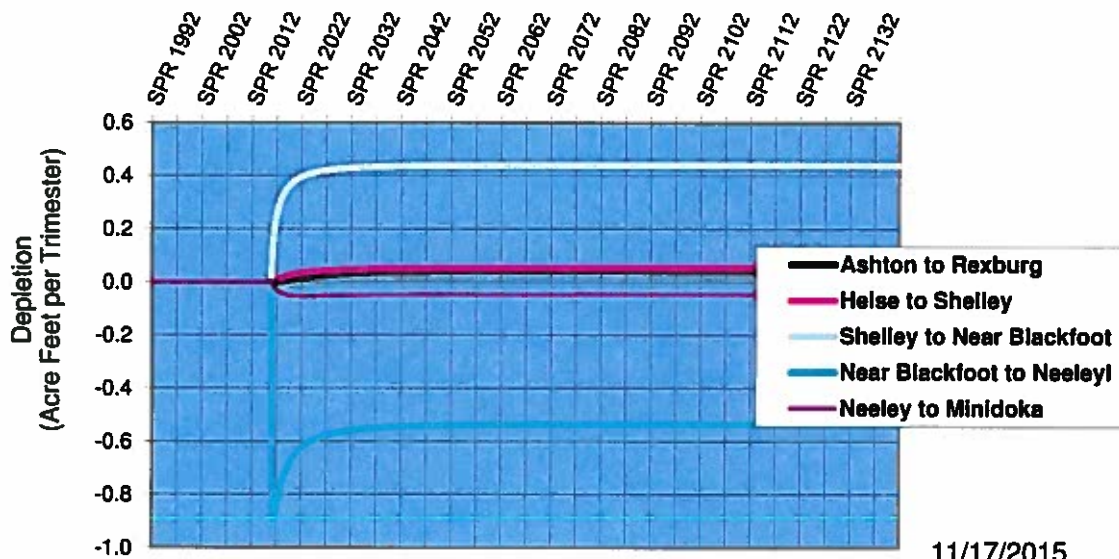


Hydrologic Response-- Neeley to Minidoka
Customer Name: Duffin **Transfer No:**



11/17/2015
 Version 3.1

Net Transfer Effect Above Milner
(Total Effect With Transfer - Total Effect Without Transfer)



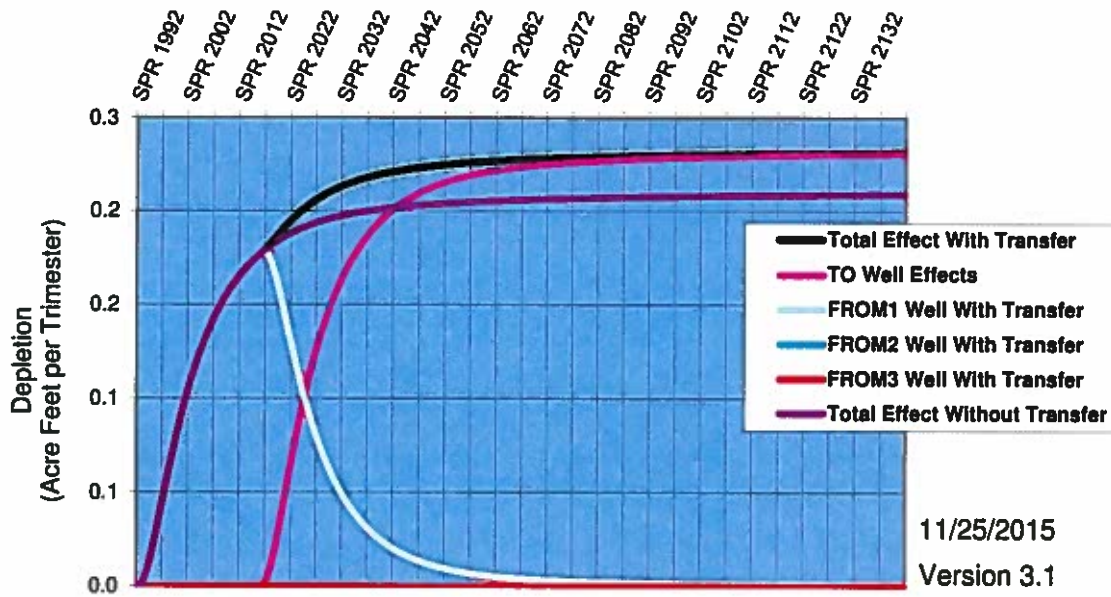
11/17/2015
 Version 3.1

Customer Name: Duffin

Transfer No:

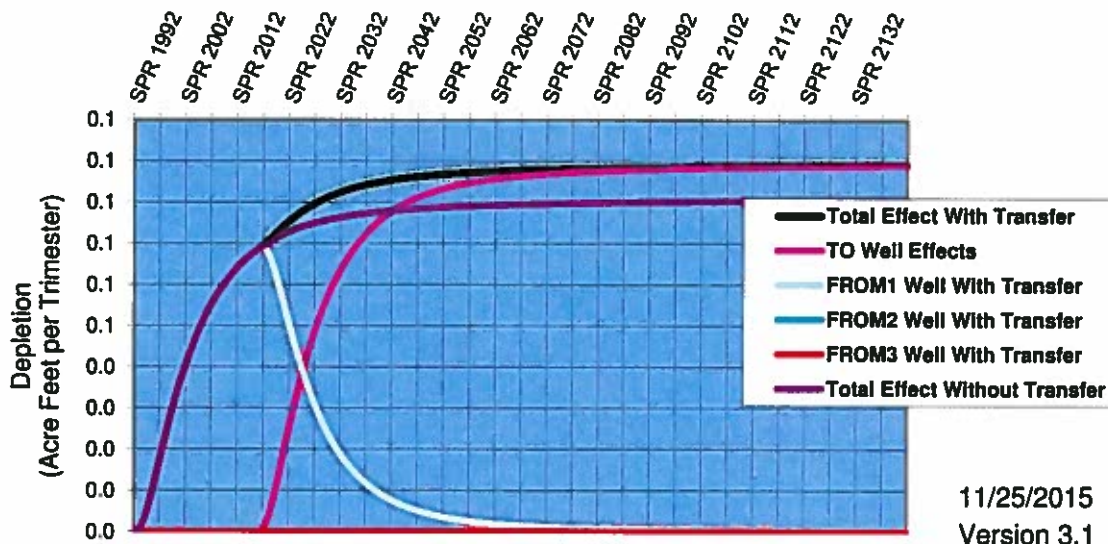
ATTACHMENT 5.3
Water Modeling – Graphs
below Milner

Hydrologic Response--Devil's Washbowl to Buhl Customer Name: Duffin Transfer No:



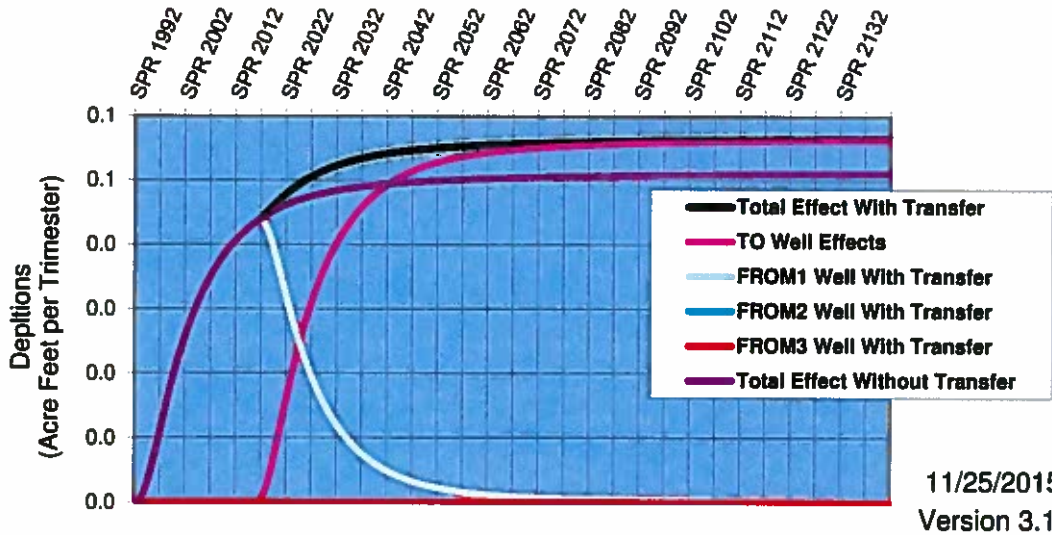
11/25/2015
Version 3.1

Hydrologic Response--Buhl to Thousand Springs Customer Name: Duffin Transfer No:



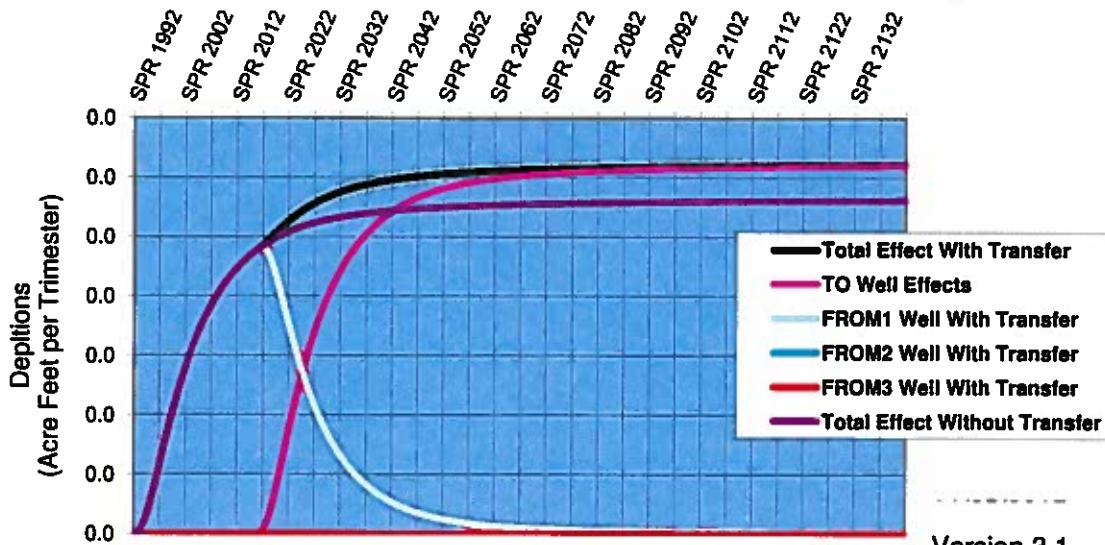
11/25/2015
Version 3.1

Hydrologic Response--Thousand Springs **Customer Name: Duffin Transfer No:**

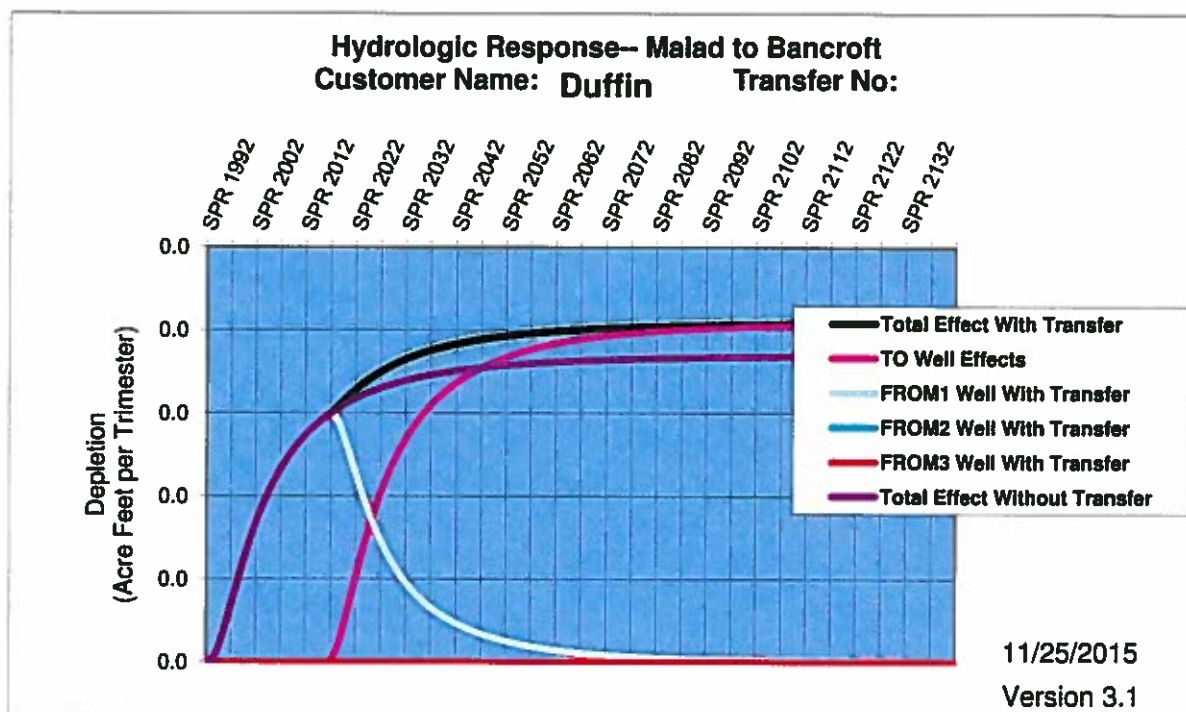
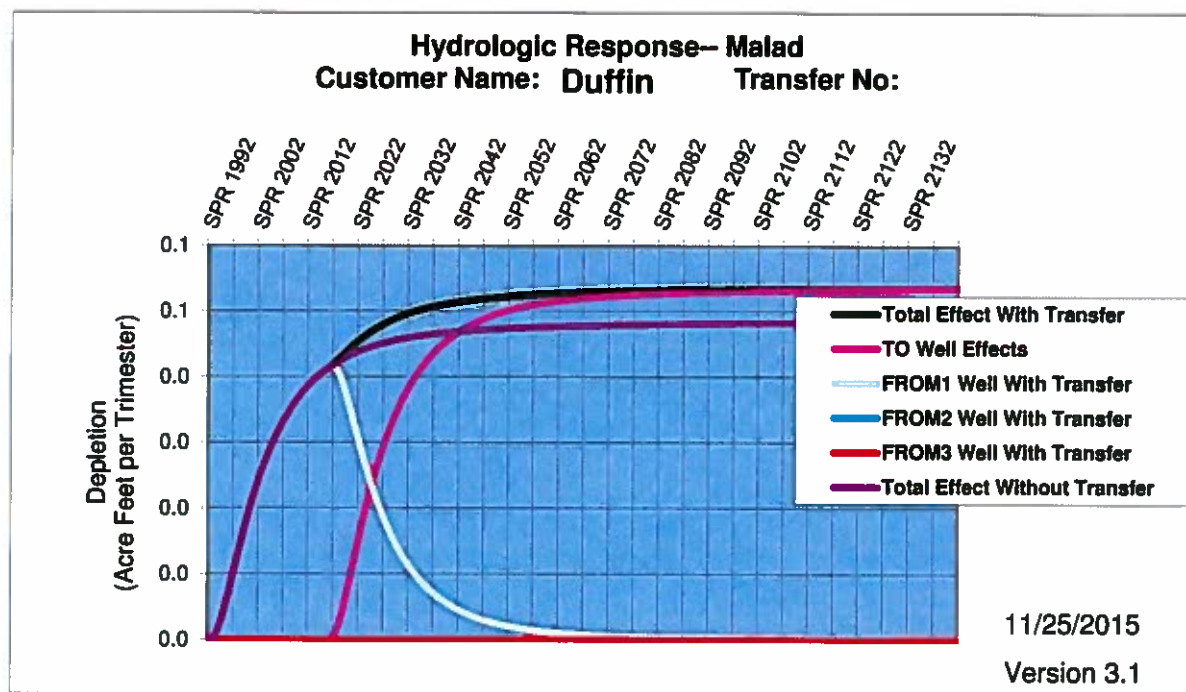


11/25/2015
 Version 3.1

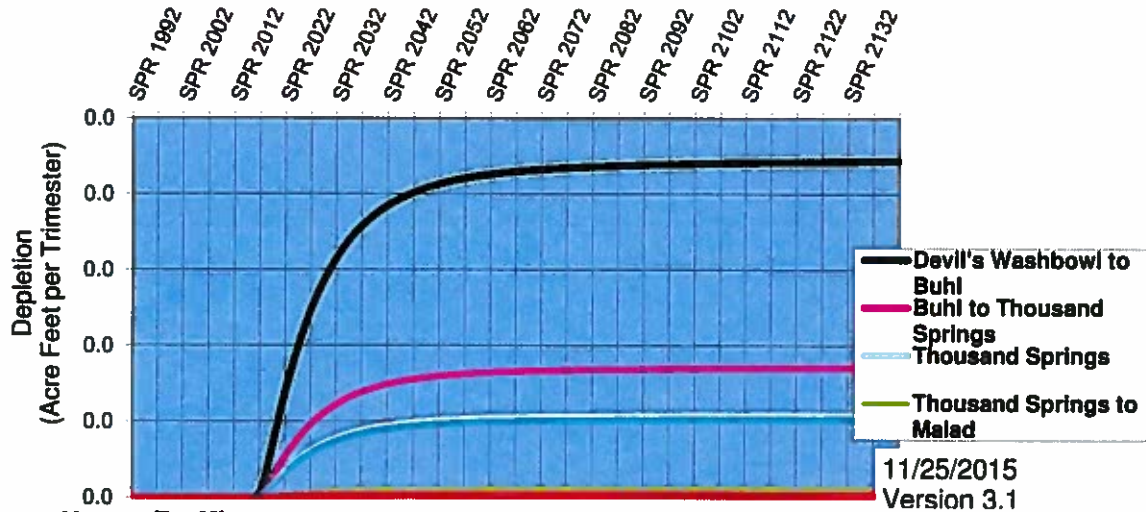
Hydrologic Response--Thousand Springs to Malad **Customer Name: Duffin Transfer No:**



Version 3.1



Net Transfer Effect Below Milner
(Total Effect With Transfer - Total Effect Without Transfer)



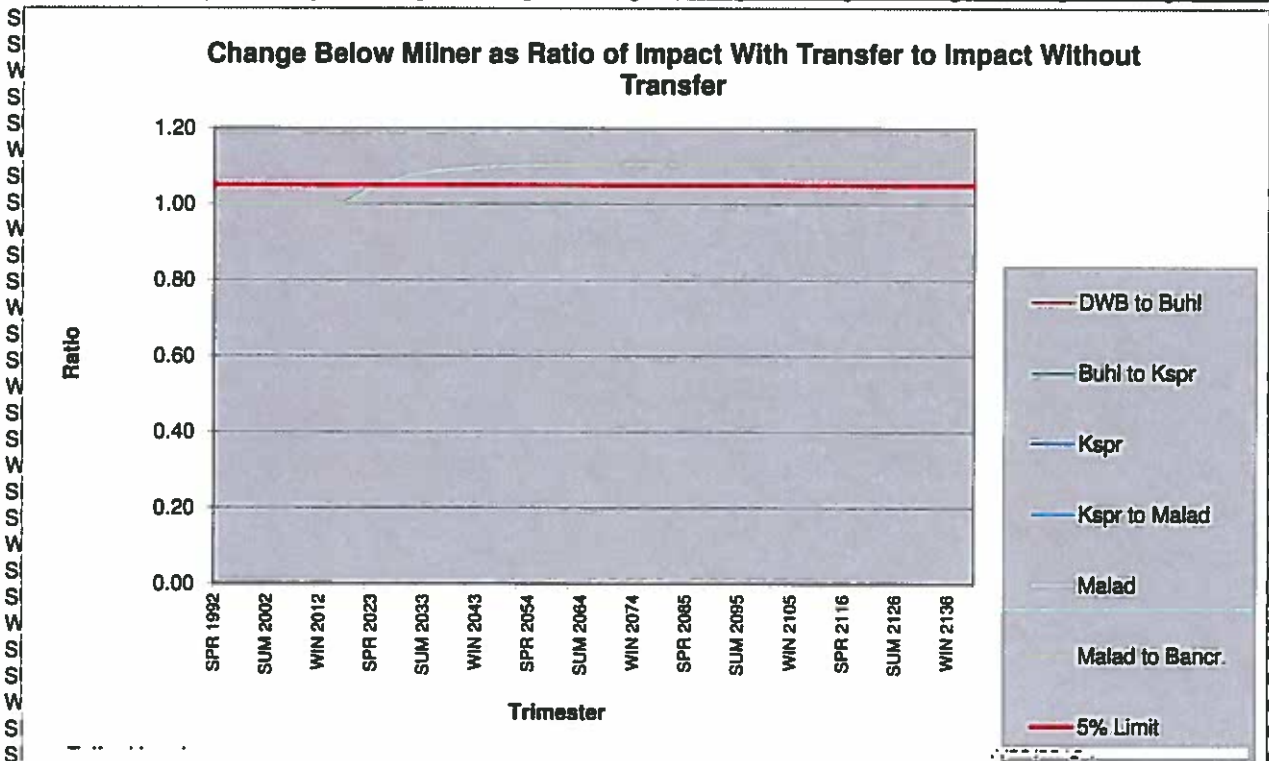
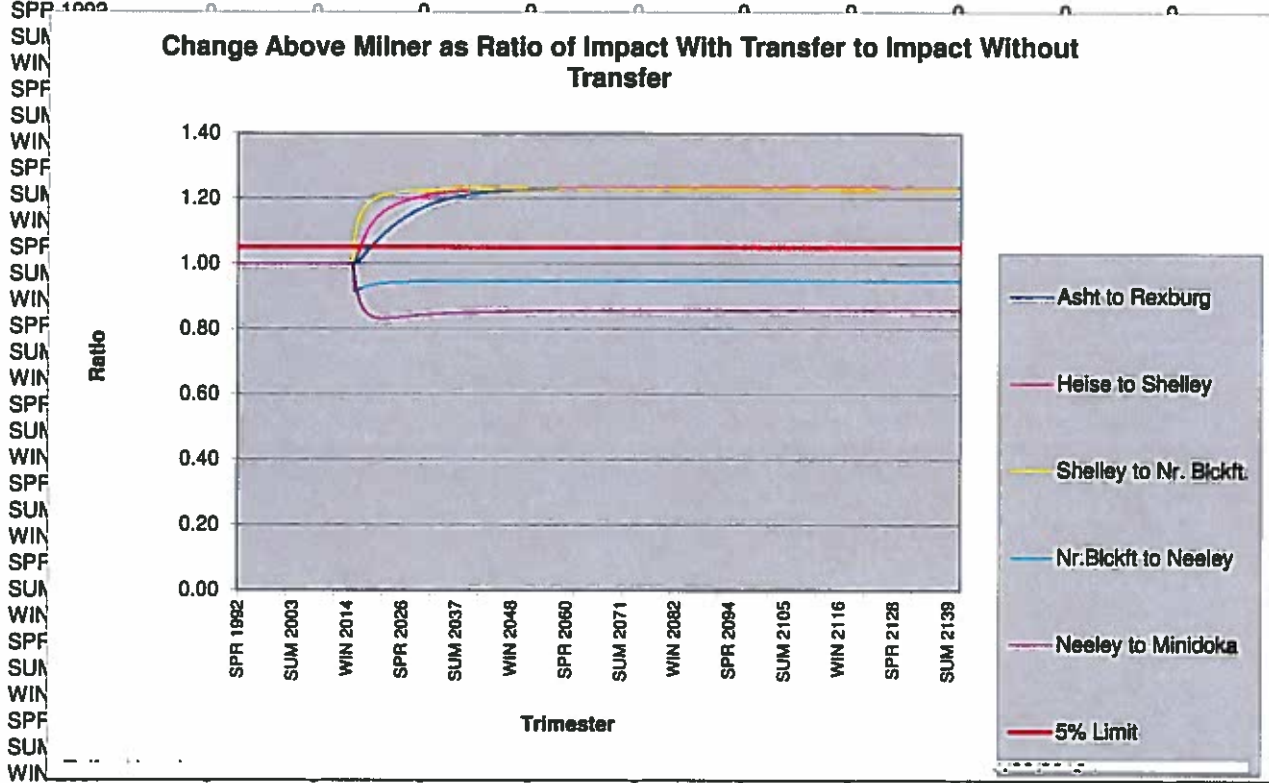
Customer Name: **Duffin**

Transfer No:

11/25/2015
Version 3.1

ATTACHMENT 5.4
Water Modeling – Change
Ratio

period	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft to Neeley	T. Neeley to Minidoka	Dev. Wbl. to Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft
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WIN 2011	0	0	0	0	0	0	0	0	0	0	0	0
SPR 2012	0	0	0	0	0	0	0	0	0	0	0	0
SUM 2012	0	0	0	0	0	0	0	0	0	0	0	0
WIN 2012	0	0	0	0	0	0	0	0	0	0	0	0
SPR 2013	0	0	0	0	0	0	0	0	0	0	0	0
SUM 2013	0	0	0	0	0	0	0	0	0	0	0	0
WIN 2013	0	0	0	0	0	0	0	0	0	0	0	0
SPR 2014	0	0	0	0	0	0	0	0	0	0	0	0
SUM 2014	0	0	0	0	0	0	0	0	0	0	0	0
WIN 2014	0	0	0	0	0	0	0	0	0	0	0	0
SPR 2015	0	0	0	0	0	0	0	0	0	0	0	0
SUM 2015	0	0	0	0	0	0	0	0	0	0	0	0
WIN 2015	0	0	0	0	0	0	0	0	0	0	0	0
SPR 2016	8.82E-05	0.000804	0.126766	-0.8494	-0.01095	1.72E-05	5.38E-06	3.39E-06	3.43E-07	3.11E-06	9.38E-08	
SUM 2016	0.000364	0.002656	0.199293	-0.89082	-0.02099	8.07E-05	2.63E-05	1.65E-05	1.7E-06	1.52E-05	4.66E-07	
WIN 2016	0.000865	0.005276	0.242142	-0.85935	-0.02832	0.000215	7.2E-05	4.53E-05	4.7E-06	4.16E-05	1.3E-06	
SPR 2017	0.001566	0.008264	0.271084	-0.82474	-0.03368	0.000428	0.000147	9.27E-05	9.7E-06	8.51E-05	2.71E-06	
SUM 2017	0.002417	0.011312	0.292677	-0.79459	-0.03777	0.000718	0.000252	0.000159	1.67E-05	0.000146	4.7E-06	
WIN 2017	0.003364	0.014235	0.309796	-0.76896	-0.04098	0.001071	0.000383	0.000241	2.56E-05	0.000222	7.24E-06	
SPR 2018	0.004365	0.016945	0.323861	-0.74705	-0.04357	0.001475	0.000534	0.000337	3.59E-05	0.000311	1.02E-05	
SUM 2018	0.005391	0.019413	0.335669	-0.72815	-0.04566	0.001915	0.000701	0.000442	4.74E-05	0.00041	1.36E-05	
WIN 2018	0.006423	0.021642	0.345722	-0.71171	-0.04736	0.002379	0.000879	0.000555	5.96E-05	0.000515	1.72E-05	
SPR 2019	0.007447	0.023648	0.354369	-0.69732	-0.04874	0.002859	0.001064	0.000672	7.24E-05	0.000625	2.1E-05	
SUM 2019	0.008459	0.025454	0.361866	-0.68465	-0.04985	0.003347	0.001253	0.000792	8.56E-05	0.000738	2.49E-05	
WIN 2019	0.009453	0.027083	0.368409	-0.67343	-0.05073	0.003838	0.001444	0.000913	9.89E-05	0.000853	2.88E-05	
SPR 2020	0.010428	0.028556	0.374153	-0.66345	-0.05142	0.004327	0.001635	0.001034	0.000112	0.000967	3.28E-05	
SUM 2020	0.011384	0.029894	0.379223	-0.65455	-0.05195	0.004813	0.001825	0.001155	0.000125	0.001082	3.68E-05	
WIN 2020	0.01232	0.031113	0.38372	-0.64656	-0.05235	0.005292	0.002013	0.001274	0.000139	0.001195	4.08E-05	
SPR 2021	0.013237	0.03223	0.387728	-0.63937	-0.05263	0.005763	0.002198	0.001391	0.000152	0.001306	4.47E-05	
SUM 2021	0.014134	0.033256	0.391316	-0.63288	-0.05283	0.006226	0.002379	0.001506	0.000164	0.001416	4.86E-05	
WIN 2021	0.015013	0.034203	0.394542	-0.62699	-0.05296	0.006678	0.002556	0.001619	0.000177	0.001523	5.24E-05	
SPR 2022	0.015873	0.03508	0.397454	-0.62163	-0.05302	0.00712	0.00273	0.001729	0.000189	0.001628	5.61E-05	
SUM 2022	0.016714	0.035896	0.400092	-0.61673	-0.05304	0.007552	0.002899	0.001837	0.000201	0.001731	5.97E-05	
WIN 2022	0.017538	0.036657	0.402491	-0.61225	-0.05302	0.007972	0.003064	0.001942	0.000212	0.001831	6.32E-05	
SPR 2023	0.018344	0.037369	0.404681	-0.60813	-0.05296	0.008382	0.003225	0.002044	0.000224	0.001929	6.67E-05	
SUM 2023	0.019133	0.038038	0.406685	-0.60433	-0.05288	0.00878	0.003381	0.002143	0.000235	0.002023	7.01E-05	
WIN 2023	0.019904	0.038667	0.408526	-0.60082	-0.05278	0.009167	0.003533	0.00224	0.000245	0.002116	7.33E-05	
SPR 2024	0.020657	0.039261	0.410222	-0.59757	-0.05266	0.009544	0.003681	0.002333	0.000256	0.002205	7.65E-05	
SUM 2024	0.021393	0.039823	0.411789	-0.59455	-0.05254	0.009909	0.003824	0.002424	0.000266	0.002292	7.96E-05	
WIN 2024	0.022112	0.040355	0.41324	-0.59173	-0.0524	0.010264	0.003963	0.002513	0.000275	0.002377	8.27E-05	
SPR 2025	0.022813	0.04086	0.414587	-0.58911	-0.05226	0.010609	0.004098	0.002599	0.000285	0.002459	8.56E-05	
SUM 2025	0.023497	0.041341	0.41584	-0.58665	-0.05211	0.010943	0.004229	0.002682	0.000294	0.002538	8.84E-05	
WIN 2025	0.024164	0.041798	0.417009	-0.58435	-0.05197	0.011267	0.004356	0.002762	0.000303	0.002615	9.12E-05	
SPR 2026	0.024814	0.042235	0.418102	-0.58219	-0.05182	0.011582	0.004479	0.002841	0.000312	0.00269	9.39E-05	
SUM 2026	0.025447	0.042651	0.419125	-0.58016	-0.05167	0.011887	0.004598	0.002916	0.00032	0.002762	9.65E-05	
WIN 2026	0.026063	0.043049	0.420084	-0.57824	-0.05152	0.012182	0.004714	0.00299	0.000328	0.002832	9.9E-05	
SPR 2027	0.026663	0.043429	0.420986	-0.57644	-0.05137	0.012469	0.004826	0.003061	0.000336	0.0029	0.000101	
SUM 2027	0.027246	0.043793	0.421834	-0.57473	-0.05123	0.012747	0.004935	0.00313	0.000344	0.002966	0.000104	
WIN 2027	0.027813	0.044142	0.422633	-0.57312	-0.05108	0.013017	0.00504	0.003197	0.000351	0.00303	0.000106	
SPR 2028	0.028363	0.044476	0.423388	-0.57159	-0.05094	0.013278	0.005142	0.003262	0.000358	0.003092	0.000108	
SUM 2028	0.028898	0.044796	0.424101	-0.57015	-0.05081	0.013531	0.00524	0.003324	0.000365	0.003152	0.000111	
WIN 2028	0.029416	0.045103	0.424775	-0.56877	-0.05067	0.013776	0.005336	0.003385	0.000372	0.00321	0.000113	
SPR 2029	0.02992	0.045398	0.425414	-0.56747	-0.05054	0.014013	0.005428	0.003444	0.000378	0.003266	0.000115	
SUM 2029	0.030408	0.045681	0.426019	-0.56622	-0.05042	0.014244	0.005518	0.003501	0.000385	0.00332	0.000117	
WIN 2029	0.030881	0.045952	0.426593	-0.56504	-0.05029	0.014467	0.005605	0.003556	0.000391	0.003373	0.000119	
SPR 2030	0.03134	0.046213	0.427139	-0.56392	-0.05017	0.014683	0.005689	0.003609	0.000397	0.003424	0.00012	
SUM 2030	0.031784	0.046464	0.427657	-0.56284	-0.05006	0.014892	0.005771	0.003661	0.000402	0.003473	0.000122	
WIN 2030	0.032215	0.046704	0.428151	-0.56182	-0.04994	0.015095	0.00585	0.003711	0.000408	0.003521	0.000124	
SPR 2031	0.032631	0.046936	0.42862	-0.56085	-0.04984	0.015292	0.005926	0.00376	0.000413	0.003567	0.000126	
SUM 2031	0.033034	0.047158	0.429068	-0.55991	-0.04973	0.015482	0.006	0.003807	0.000419	0.003612	0.000127	
WIN 2031	0.033424	0.047372	0.429494	-0.55902	-0.04963	0.015667	0.006072	0.003852	0.000424	0.003656	0.000129	
SPR 2032	0.033802	0.047577	0.429901	-0.55817	-0.04953	0.015846	0.006141	0.003896	0.000428	0.003698	0.000131	
SUM 2032	0.034166	0.047774	0.430289	-0.55735	-0.04943	0.016019	0.006208	0.003939	0.000433	0.003738	0.000132	

WIN 2032	0.034519	0.047964	0.43066	-0.55657	-0.04934	0.016187	0.006274	0.00398	0.000438	0.003778	0.000134
SPR 2033	0.03486	0.048147	0.431014	-0.55583	-0.04924	0.016349	0.006337	0.00402	0.000442	0.003816	0.000135
SUM 2033	0.03519	0.048323	0.431353	-0.55511	-0.04916	0.016507	0.006398	0.004059	0.000446	0.003853	0.000136
WIN 2033	0.035508	0.048491	0.431677	-0.55443	-0.04907	0.01666	0.006457	0.004097	0.000451	0.003889	0.000138
SPR 2034	0.035816	0.048654	0.431986	-0.55377	-0.04899	0.016808	0.006514	0.004133	0.000455	0.003923	0.000139
SUM 2034	0.036113	0.04881	0.432283	-0.55314	-0.04891	0.016951	0.00657	0.004168	0.000458	0.003957	0.00014
WIN 2034	0.036399	0.04896	0.432567	-0.55253	-0.04883	0.01709	0.006624	0.004202	0.000462	0.003989	0.000142
SPR 2035	0.036676	0.049105	0.432839	-0.55195	-0.04876	0.017225	0.006676	0.004236	0.000466	0.004021	0.000143
SUM 2035	0.036944	0.049244	0.4331	-0.55139	-0.04868	0.017356	0.006726	0.004268	0.000469	0.004051	0.000144
WIN 2035	0.037202	0.049378	0.43335	-0.55086	-0.04861	0.017482	0.006775	0.004299	0.000473	0.004081	0.000145
SPR 2036	0.037451	0.049507	0.43359	-0.55034	-0.04855	0.017605	0.006822	0.004329	0.000476	0.00411	0.000146
SUM 2036	0.037691	0.049631	0.433819	-0.54985	-0.04848	0.017724	0.006868	0.004358	0.000479	0.004137	0.000147
WIN 2036	0.037923	0.04975	0.43404	-0.54937	-0.04842	0.017839	0.006913	0.004386	0.000483	0.004164	0.000148
SPR 2037	0.038147	0.049865	0.434252	-0.54892	-0.04835	0.017951	0.006956	0.004413	0.000486	0.00419	0.000149
SUM 2037	0.038363	0.049975	0.434455	-0.54848	-0.0483	0.018059	0.006998	0.00444	0.000488	0.004215	0.00015
WIN 2037	0.038571	0.050081	0.43465	-0.54805	-0.04824	0.018165	0.007038	0.004466	0.000491	0.00424	0.000151
SPR 2038	0.038772	0.050184	0.434838	-0.54765	-0.04818	0.018266	0.007078	0.004491	0.000494	0.004264	0.000152
SUM 2038	0.038966	0.050282	0.435018	-0.54726	-0.04813	0.018365	0.007116	0.004515	0.000497	0.004287	0.000153
WIN 2038	0.039153	0.050377	0.435191	-0.54688	-0.04807	0.018461	0.007153	0.004538	0.000499	0.004309	0.000154
SPR 2039	0.039333	0.050468	0.435358	-0.54651	-0.04802	0.018554	0.007188	0.004561	0.000502	0.00433	0.000155
SUM 2039	0.039507	0.050556	0.435518	-0.54616	-0.04797	0.018644	0.007223	0.004583	0.000504	0.004351	0.000156
WIN 2039	0.039674	0.05064	0.435672	-0.54583	-0.04793	0.018732	0.007257	0.004604	0.000507	0.004372	0.000157
SPR 2040	0.039836	0.050722	0.43582	-0.5455	-0.04788	0.018817	0.007289	0.004625	0.000509	0.004391	0.000157
SUM 2040	0.039992	0.0508	0.435962	-0.54519	-0.04783	0.018899	0.007321	0.004645	0.000511	0.00441	0.000158
WIN 2040	0.040142	0.050876	0.436099	-0.54489	-0.04779	0.018979	0.007352	0.004664	0.000513	0.004429	0.000159
SPR 2041	0.040287	0.050948	0.436232	-0.5446	-0.04775	0.019056	0.007381	0.004683	0.000515	0.004447	0.00016
SUM 2041	0.040426	0.051018	0.436359	-0.54432	-0.04771	0.019131	0.00741	0.004702	0.000517	0.004464	0.00016
WIN 2041	0.040561	0.051086	0.436481	-0.54405	-0.04767	0.019204	0.007438	0.004719	0.000519	0.004481	0.000161
SPR 2042	0.040691	0.051151	0.436599	-0.54379	-0.04763	0.019275	0.007465	0.004737	0.000521	0.004497	0.000162
SUM 2042	0.040816	0.051213	0.436712	-0.54354	-0.04759	0.019344	0.007492	0.004753	0.000523	0.004513	0.000163
WIN 2042	0.040937	0.051273	0.436822	-0.54329	-0.04755	0.019411	0.007517	0.004769	0.000525	0.004528	0.000163
SPR 2043	0.041053	0.051331	0.436927	-0.54306	-0.04752	0.019475	0.007542	0.004785	0.000527	0.004543	0.000164
SUM 2043	0.041166	0.051387	0.437029	-0.54283	-0.04748	0.019538	0.007566	0.0048	0.000528	0.004558	0.000164
WIN 2043	0.041274	0.051441	0.437127	-0.54261	-0.04745	0.019599	0.00759	0.004815	0.00053	0.004572	0.000165
SPR 2044	0.041378	0.051493	0.437221	-0.5424	-0.04742	0.019659	0.007612	0.00483	0.000531	0.004585	0.000166
SUM 2044	0.041479	0.051543	0.437312	-0.5422	-0.04739	0.019716	0.007634	0.004844	0.000533	0.004599	0.000166
WIN 2044	0.041576	0.051591	0.4374	-0.542	-0.04736	0.019772	0.007656	0.004857	0.000534	0.004612	0.000167
SPR 2045	0.041669	0.051637	0.437485	-0.54181	-0.04733	0.019827	0.007677	0.00487	0.000536	0.004624	0.000167
SUM 2045	0.041759	0.051682	0.437566	-0.54163	-0.0473	0.019879	0.007697	0.004883	0.000537	0.004636	0.000168
WIN 2045	0.041846	0.051725	0.437645	-0.54145	-0.04727	0.019931	0.007716	0.004896	0.000539	0.004648	0.000169
SPR 2046	0.04193	0.051767	0.437721	-0.54128	-0.04724	0.01998	0.007735	0.004908	0.00054	0.004659	0.000169
SUM 2046	0.042011	0.051807	0.437795	-0.54111	-0.04722	0.020029	0.007754	0.004919	0.000541	0.00467	0.00017
WIN 2046	0.042089	0.051845	0.437866	-0.54095	-0.04719	0.020076	0.007772	0.004931	0.000543	0.004681	0.00017
SPR 2047	0.042164	0.051883	0.437934	-0.5408	-0.04717	0.020122	0.007789	0.004942	0.000544	0.004692	0.000171
SUM 2047	0.042237	0.051919	0.438	-0.54065	-0.04714	0.020166	0.007806	0.004952	0.000545	0.004702	0.000171
WIN 2047	0.042306	0.051953	0.438064	-0.5405	-0.04712	0.020209	0.007823	0.004963	0.000546	0.004712	0.000172
SPR 2048	0.042374	0.051987	0.438126	-0.54036	-0.0471	0.020251	0.007839	0.004973	0.000547	0.004721	0.000172
SUM 2048	0.042439	0.052019	0.438185	-0.54023	-0.04708	0.020292	0.007854	0.004983	0.000548	0.00473	0.000172
WIN 2048	0.042502	0.05205	0.438243	-0.54009	-0.04705	0.020332	0.007869	0.004992	0.000549	0.00474	0.000173
SPR 2049	0.042562	0.05208	0.438299	-0.53997	-0.04703	0.02037	0.007884	0.005002	0.00055	0.004748	0.000173
SUM 2049	0.042621	0.052109	0.438352	-0.53984	-0.04701	0.020408	0.007898	0.005011	0.000551	0.004757	0.000174
WIN 2049	0.042677	0.052136	0.438404	-0.53973	-0.04699	0.020445	0.007912	0.00502	0.000552	0.004765	0.000174
SPR 2050	0.042731	0.052163	0.438454	-0.53961	-0.04697	0.02048	0.007926	0.005028	0.000553	0.004773	0.000175
SUM 2050	0.042784	0.052189	0.438503	-0.5395	-0.04695	0.020515	0.007939	0.005036	0.000554	0.004781	0.000175
WIN 2050	0.042834	0.052214	0.43855	-0.53939	-0.04694	0.020548	0.007952	0.005045	0.000555	0.004789	0.000175
SPR 2051	0.042883	0.052238	0.438595	-0.53928	-0.04692	0.020581	0.007964	0.005052	0.000556	0.004796	0.000176
SUM 2051	0.04293	0.052262	0.438639	-0.53918	-0.0469	0.020613	0.007976	0.00506	0.000557	0.004804	0.000176
WIN 2051	0.042976	0.052284	0.438682	-0.53908	-0.04688	0.020644	0.007988	0.005068	0.000558	0.004811	0.000176
SPR 2052	0.04302	0.052306	0.438723	-0.53899	-0.04687	0.020674	0.008	0.005075	0.000558	0.004817	0.000177
SUM 2052	0.043062	0.052327	0.438763	-0.5389	-0.04685	0.020704	0.008011	0.005082	0.000559	0.004824	0.000177
WIN 2052	0.043103	0.052347	0.438801	-0.53881	-0.04684	0.020733	0.008022	0.005089	0.00056	0.004831	0.000178
SPR 2053	0.043142	0.052367	0.438839	-0.53872	-0.04682	0.02076	0.008032	0.005096	0.000561	0.004837	0.000178
SUM 2053	0.04318	0.052385	0.438875	-0.53864	-0.04681	0.020788	0.008043	0.005102	0.000561	0.004843	0.000178

WIN 2053	0.043217	0.052404	0.43891	-0.53855	-0.04679	0.020814	0.008053	0.005108	0.000562	0.004849	0.000179
SPR 2054	0.043253	0.052421	0.438944	-0.53847	-0.04678	0.02084	0.008062	0.005115	0.000563	0.004855	0.000179
SUM 2054	0.043287	0.052438	0.438976	-0.5384	-0.04676	0.020865	0.008072	0.005121	0.000563	0.004861	0.000179
WIN 2054	0.04332	0.052455	0.439008	-0.53832	-0.04675	0.02089	0.008081	0.005126	0.000564	0.004866	0.000179
SPR 2055	0.043352	0.05247	0.439039	-0.53825	-0.04674	0.020914	0.00809	0.005132	0.000565	0.004871	0.00018
SUM 2055	0.043383	0.052486	0.439069	-0.53818	-0.04673	0.020937	0.008099	0.005138	0.000565	0.004877	0.00018
WIN 2055	0.043413	0.0525	0.439097	-0.53811	-0.04671	0.02096	0.008108	0.005143	0.000566	0.004882	0.00018
SPR 2056	0.043442	0.052515	0.439125	-0.53805	-0.0467	0.020982	0.008116	0.005148	0.000567	0.004887	0.000181
SUM 2056	0.043469	0.052529	0.439153	-0.53798	-0.04669	0.021003	0.008124	0.005154	0.000567	0.004892	0.000181
WIN 2056	0.043496	0.052542	0.439179	-0.53792	-0.04668	0.021025	0.008132	0.005159	0.000568	0.004896	0.000181
SPR 2057	0.043522	0.052555	0.439204	-0.53786	-0.04667	0.021045	0.00814	0.005164	0.000568	0.004901	0.000181
SUM 2057	0.043548	0.052567	0.439229	-0.5378	-0.04666	0.021065	0.008147	0.005168	0.000569	0.004906	0.000182
WIN 2057	0.043572	0.052579	0.439253	-0.53774	-0.04665	0.021085	0.008155	0.005173	0.000569	0.00491	0.000182
SPR 2058	0.043595	0.052591	0.439276	-0.53769	-0.04663	0.021104	0.008162	0.005178	0.00057	0.004914	0.000182
SUM 2058	0.043618	0.052602	0.439299	-0.53763	-0.04662	0.021123	0.008169	0.005182	0.00057	0.004918	0.000182
WIN 2058	0.04364	0.052613	0.439321	-0.53758	-0.04661	0.021141	0.008176	0.005186	0.000571	0.004922	0.000183
SPR 2059	0.043661	0.052624	0.439342	-0.53753	-0.04661	0.021159	0.008183	0.005191	0.000571	0.004926	0.000183
SUM 2059	0.043682	0.052634	0.439363	-0.53748	-0.0466	0.021176	0.008189	0.005195	0.000572	0.00493	0.000183
WIN 2059	0.043702	0.052644	0.439382	-0.53743	-0.04659	0.021193	0.008195	0.005199	0.000572	0.004934	0.000183
SPR 2060	0.043721	0.052653	0.439402	-0.53739	-0.04658	0.021209	0.008202	0.005203	0.000573	0.004938	0.000184
SUM 2060	0.043739	0.052663	0.439421	-0.53734	-0.04657	0.021226	0.008208	0.005206	0.000573	0.004941	0.000184
WIN 2060	0.043757	0.052672	0.439439	-0.5373	-0.04656	0.021241	0.008214	0.00521	0.000573	0.004945	0.000184
SPR 2061	0.043775	0.05268	0.439457	-0.53725	-0.04655	0.021257	0.008219	0.005214	0.000574	0.004948	0.000184
SUM 2061	0.043791	0.052689	0.439474	-0.53721	-0.04654	0.021272	0.008225	0.005217	0.000574	0.004952	0.000184
WIN 2061	0.043808	0.052697	0.439491	-0.53717	-0.04653	0.021287	0.008231	0.005221	0.000575	0.004955	0.000185
SPR 2062	0.043823	0.052705	0.439507	-0.53713	-0.04653	0.021301	0.008236	0.005224	0.000575	0.004958	0.000185
SUM 2062	0.043839	0.052712	0.439523	-0.53709	-0.04652	0.021315	0.008241	0.005228	0.000575	0.004961	0.000185
WIN 2062	0.043853	0.05272	0.439538	-0.53705	-0.04651	0.021329	0.008247	0.005231	0.000576	0.004964	0.000185
SPR 2063	0.043868	0.052727	0.439553	-0.53702	-0.0465	0.021343	0.008252	0.005234	0.000576	0.004967	0.000185
SUM 2063	0.043882	0.052734	0.439567	-0.53698	-0.0465	0.021356	0.008257	0.005237	0.000576	0.00497	0.000186
WIN 2063	0.043895	0.05274	0.439582	-0.53694	-0.04649	0.021369	0.008261	0.00524	0.000577	0.004973	0.000186
SPR 2064	0.043908	0.052747	0.439595	-0.53691	-0.04648	0.021382	0.008266	0.005243	0.000577	0.004976	0.000186
SUM 2064	0.043921	0.052753	0.439609	-0.53688	-0.04648	0.021394	0.008271	0.005246	0.000577	0.004979	0.000186
WIN 2064	0.043933	0.052759	0.439622	-0.53684	-0.04647	0.021406	0.008275	0.005249	0.000578	0.004981	0.000186
SPR 2065	0.043945	0.052765	0.439634	-0.53681	-0.04646	0.021418	0.00828	0.005252	0.000578	0.004984	0.000186
SUM 2065	0.043956	0.052771	0.439647	-0.53678	-0.04646	0.02143	0.008284	0.005255	0.000578	0.004987	0.000187
WIN 2065	0.043967	0.052776	0.439659	-0.53675	-0.04645	0.021441	0.008288	0.005257	0.000579	0.004989	0.000187
SPR 2066	0.043978	0.052782	0.43967	-0.53672	-0.04644	0.021452	0.008292	0.00526	0.000579	0.004992	0.000187
SUM 2066	0.043988	0.052787	0.439682	-0.53669	-0.04644	0.021463	0.008296	0.005263	0.000579	0.004994	0.000187
WIN 2066	0.043998	0.052792	0.439693	-0.53667	-0.04643	0.021474	0.0083	0.005265	0.000579	0.004996	0.000187
SPR 2067	0.044008	0.052797	0.439704	-0.53664	-0.04643	0.021484	0.008304	0.005268	0.00058	0.004999	0.000187
SUM 2067	0.044018	0.052802	0.439714	-0.53661	-0.04642	0.021495	0.008308	0.00527	0.00058	0.005001	0.000188
WIN 2067	0.044027	0.052807	0.439724	-0.53659	-0.04641	0.021505	0.008312	0.005272	0.00058	0.005003	0.000188
SPR 2068	0.044036	0.052811	0.439734	-0.53656	-0.04641	0.021514	0.008316	0.005275	0.00058	0.005005	0.000188
SUM 2068	0.044045	0.052815	0.439744	-0.53654	-0.0464	0.021524	0.008319	0.005277	0.000581	0.005007	0.000188
WIN 2068	0.044053	0.05282	0.439753	-0.53651	-0.0464	0.021534	0.008323	0.005279	0.000581	0.005009	0.000188
SPR 2069	0.044061	0.052824	0.439762	-0.53649	-0.04639	0.021543	0.008326	0.005281	0.000581	0.005011	0.000188
SUM 2069	0.044069	0.052828	0.439772	-0.53647	-0.04639	0.021552	0.00833	0.005283	0.000581	0.005013	0.000188
WIN 2069	0.044077	0.052832	0.43978	-0.53644	-0.04638	0.021561	0.008333	0.005286	0.000582	0.005015	0.000189
SPR 2070	0.044085	0.052835	0.439789	-0.53642	-0.04638	0.02157	0.008336	0.005288	0.000582	0.005017	0.000189
SUM 2070	0.044092	0.052839	0.439797	-0.5364	-0.04637	0.021579	0.008339	0.00529	0.000582	0.005019	0.000189
WIN 2070	0.044099	0.052843	0.439805	-0.53638	-0.04637	0.021587	0.008343	0.005292	0.000582	0.005021	0.000189
SPR 2071	0.044106	0.052846	0.439813	-0.53636	-0.04636	0.021595	0.008346	0.005294	0.000582	0.005023	0.000189
SUM 2071	0.044112	0.05285	0.439821	-0.53634	-0.04636	0.021604	0.008349	0.005296	0.000583	0.005025	0.000189
WIN 2071	0.044119	0.052853	0.439829	-0.53632	-0.04636	0.021612	0.008352	0.005297	0.000583	0.005026	0.000189
SPR 2072	0.044125	0.052856	0.439836	-0.5363	-0.04635	0.021619	0.008355	0.005299	0.000583	0.005028	0.000189
SUM 2072	0.044132	0.052859	0.439843	-0.53628	-0.04635	0.021627	0.008357	0.005301	0.000583	0.00503	0.000189
WIN 2072	0.044137	0.052862	0.43985	-0.53626	-0.04634	0.021635	0.00836	0.005303	0.000583	0.005032	0.00019
SPR 2073	0.044143	0.052865	0.439857	-0.53624	-0.04634	0.021642	0.008363	0.005305	0.000584	0.005033	0.00019
SUM 2073	0.044149	0.052868	0.439864	-0.53623	-0.04633	0.02165	0.008366	0.005306	0.000584	0.005035	0.00019
WIN 2073	0.044155	0.052871	0.439871	-0.53621	-0.04633	0.021657	0.008368	0.005308	0.000584	0.005036	0.00019
SPR 2074	0.04416	0.052874	0.439877	-0.53619	-0.04633	0.021664	0.008371	0.00531	0.000584	0.005038	0.00019
SUM 2074	0.044165	0.052876	0.439883	-0.53618	-0.04632	0.021671	0.008374	0.005311	0.000584	0.005039	0.00019

WIN 2074	0.04417	0.052879	0.43989	-0.53616	-0.04632	0.021678	0.008376	0.005313	0.000585	0.005041	0.00019
SPR 2075	0.044175	0.052881	0.439896	-0.53614	-0.04631	0.021685	0.008379	0.005314	0.000585	0.005042	0.00019
SUM 2075	0.04418	0.052884	0.439902	-0.53613	-0.04631	0.021691	0.008381	0.005316	0.000585	0.005044	0.00019
WIN 2075	0.044185	0.052886	0.439907	-0.53611	-0.04631	0.021698	0.008384	0.005317	0.000585	0.005045	0.000191
SPR 2076	0.044189	0.052889	0.439913	-0.5361	-0.0463	0.021704	0.008386	0.005319	0.000585	0.005047	0.000191
SUM 2076	0.044194	0.052891	0.439919	-0.53608	-0.0463	0.021711	0.008388	0.00532	0.000585	0.005048	0.000191
WIN 2076	0.044198	0.052893	0.439924	-0.53607	-0.0463	0.021717	0.008391	0.005322	0.000586	0.005049	0.000191
SPR 2077	0.044203	0.052895	0.43993	-0.53605	-0.04629	0.021723	0.008393	0.005323	0.000586	0.005051	0.000191
SUM 2077	0.044207	0.052897	0.439935	-0.53604	-0.04629	0.021729	0.008395	0.005325	0.000586	0.005052	0.000191
WIN 2077	0.044211	0.052899	0.43994	-0.53603	-0.04629	0.021735	0.008397	0.005326	0.000586	0.005053	0.000191
SPR 2078	0.044215	0.052901	0.439945	-0.53601	-0.04628	0.021741	0.008399	0.005327	0.000586	0.005054	0.000191
SUM 2078	0.044219	0.052903	0.43995	-0.536	-0.04628	0.021747	0.008401	0.005329	0.000586	0.005056	0.000191
WIN 2078	0.044222	0.052905	0.439955	-0.53599	-0.04628	0.021752	0.008404	0.00533	0.000586	0.005057	0.000191
SPR 2079	0.044226	0.052907	0.439959	-0.53597	-0.04627	0.021758	0.008406	0.005331	0.000587	0.005058	0.000191
SUM 2079	0.04423	0.052909	0.439964	-0.53596	-0.04627	0.021763	0.008408	0.005333	0.000587	0.005059	0.000191
WIN 2079	0.044233	0.052911	0.439968	-0.53595	-0.04627	0.021769	0.00841	0.005334	0.000587	0.00506	0.000192
SPR 2080	0.044237	0.052913	0.439973	-0.53594	-0.04626	0.021774	0.008412	0.005335	0.000587	0.005062	0.000192
SUM 2080	0.04424	0.052914	0.439977	-0.53593	-0.04626	0.021779	0.008414	0.005336	0.000587	0.005063	0.000192
WIN 2080	0.044243	0.052916	0.439982	-0.53591	-0.04626	0.021785	0.008415	0.005338	0.000587	0.005064	0.000192
SPR 2081	0.044246	0.052918	0.439986	-0.5359	-0.04626	0.02179	0.008417	0.005339	0.000587	0.005065	0.000192
SUM 2081	0.04425	0.052919	0.43999	-0.53589	-0.04625	0.021795	0.008419	0.00534	0.000588	0.005066	0.000192
WIN 2081	0.044253	0.052921	0.439994	-0.53588	-0.04625	0.0218	0.008421	0.005341	0.000588	0.005067	0.000192
SPR 2082	0.044256	0.052922	0.439998	-0.53587	-0.04625	0.021805	0.008423	0.005342	0.000588	0.005068	0.000192
SUM 2082	0.044259	0.052924	0.440002	-0.53586	-0.04624	0.021809	0.008425	0.005343	0.000588	0.005069	0.000192
WIN 2082	0.044262	0.052925	0.440006	-0.53585	-0.04624	0.021814	0.008426	0.005344	0.000588	0.00507	0.000192
SPR 2083	0.044264	0.052927	0.440009	-0.53583	-0.04624	0.021819	0.008428	0.005346	0.000588	0.005071	0.000192
SUM 2083	0.044267	0.052928	0.440013	-0.53582	-0.04624	0.021824	0.00843	0.005347	0.000588	0.005072	0.000192
WIN 2083	0.04427	0.05293	0.440017	-0.53581	-0.04623	0.021828	0.008431	0.005348	0.000588	0.005073	0.000192
SPR 2084	0.044272	0.052931	0.440021	-0.5358	-0.04623	0.021833	0.008433	0.005349	0.000588	0.005074	0.000192
SUM 2084	0.044275	0.052932	0.440024	-0.53579	-0.04623	0.021837	0.008435	0.00535	0.000589	0.005075	0.000192
WIN 2084	0.044278	0.052934	0.440028	-0.53578	-0.04623	0.021842	0.008436	0.005351	0.000589	0.005076	0.000193
SPR 2085	0.04428	0.052935	0.440031	-0.53578	-0.04622	0.021846	0.008438	0.005352	0.000589	0.005077	0.000193
SUM 2085	0.044283	0.052936	0.440034	-0.53577	-0.04622	0.02185	0.008439	0.005353	0.000589	0.005078	0.000193
WIN 2085	0.044285	0.052937	0.440038	-0.53576	-0.04622	0.021854	0.008441	0.005354	0.000589	0.005079	0.000193
SPR 2086	0.044287	0.052939	0.440041	-0.53575	-0.04622	0.021859	0.008443	0.005355	0.000589	0.00508	0.000193
SUM 2086	0.04429	0.05294	0.440044	-0.53574	-0.04621	0.021863	0.008444	0.005356	0.000589	0.00508	0.000193
WIN 2086	0.044292	0.052941	0.440048	-0.53573	-0.04621	0.021867	0.008446	0.005357	0.000589	0.005081	0.000193
SPR 2087	0.044294	0.052942	0.440051	-0.53572	-0.04621	0.021871	0.008447	0.005357	0.000589	0.005082	0.000193
SUM 2087	0.044296	0.052943	0.440054	-0.53571	-0.04621	0.021875	0.008448	0.005358	0.00059	0.005083	0.000193
WIN 2087	0.044298	0.052944	0.440057	-0.5357	-0.0462	0.021879	0.00845	0.005359	0.00059	0.005084	0.000193
SPR 2088	0.044301	0.052945	0.44006	-0.53569	-0.0462	0.021883	0.008451	0.00536	0.00059	0.005085	0.000193
SUM 2088	0.044303	0.052946	0.440063	-0.53569	-0.0462	0.021887	0.008453	0.005361	0.00059	0.005086	0.000193
WIN 2088	0.044305	0.052947	0.440066	-0.53568	-0.0462	0.02189	0.008454	0.005362	0.00059	0.005086	0.000193
SPR 2089	0.044307	0.052948	0.440069	-0.53567	-0.0462	0.021894	0.008455	0.005363	0.00059	0.005087	0.000193
SUM 2089	0.044309	0.052949	0.440072	-0.53566	-0.04619	0.021898	0.008457	0.005364	0.00059	0.005088	0.000193
WIN 2089	0.044311	0.05295	0.440074	-0.53565	-0.04619	0.021901	0.008458	0.005364	0.00059	0.005089	0.000193
SPR 2090	0.044312	0.052951	0.440077	-0.53565	-0.04619	0.021905	0.008459	0.005365	0.00059	0.005089	0.000193
SUM 2090	0.044314	0.052952	0.44008	-0.53564	-0.04619	0.021909	0.008461	0.005366	0.00059	0.00509	0.000193
WIN 2090	0.044316	0.052953	0.440082	-0.53563	-0.04619	0.021912	0.008462	0.005367	0.00059	0.005091	0.000194
SPR 2091	0.044318	0.052954	0.440085	-0.53562	-0.04618	0.021916	0.008463	0.005368	0.000591	0.005092	0.000194
SUM 2091	0.04432	0.052955	0.440088	-0.53562	-0.04618	0.021919	0.008465	0.005369	0.000591	0.005092	0.000194
WIN 2091	0.044321	0.052956	0.44009	-0.53561	-0.04618	0.021922	0.008466	0.005369	0.000591	0.005093	0.000194
SPR 2092	0.044323	0.052957	0.440093	-0.5356	-0.04618	0.021926	0.008467	0.00537	0.000591	0.005094	0.000194
SUM 2092	0.044325	0.052958	0.440095	-0.53559	-0.04618	0.021929	0.008468	0.005371	0.000591	0.005095	0.000194
WIN 2092	0.044327	0.052959	0.440098	-0.53559	-0.04617	0.021932	0.008469	0.005372	0.000591	0.005095	0.000194
SPR 2093	0.044328	0.05296	0.4401	-0.53558	-0.04617	0.021936	0.008471	0.005372	0.000591	0.005096	0.000194
SUM 2093	0.04433	0.05296	0.440103	-0.53557	-0.04617	0.021939	0.008472	0.005373	0.000591	0.005097	0.000194
WIN 2093	0.044331	0.052961	0.440105	-0.53557	-0.04617	0.021942	0.008473	0.005374	0.000591	0.005097	0.000194
SPR 2094	0.044333	0.052962	0.440108	-0.53556	-0.04617	0.021945	0.008474	0.005375	0.000591	0.005098	0.000194
SUM 2094	0.044335	0.052963	0.44011	-0.53555	-0.04616	0.021948	0.008475	0.005375	0.000591	0.005099	0.000194
WIN 2094	0.044336	0.052964	0.440112	-0.53555	-0.04616	0.021952	0.008476	0.005376	0.000591	0.005099	0.000194
SPR 2095	0.044338	0.052964	0.440115	-0.53554	-0.04616	0.021955	0.008478	0.005377	0.000592	0.0051	0.000194
SUM 2095	0.044339	0.052965	0.440117	-0.53553	-0.04616	0.021958	0.008479	0.005377	0.000592	0.005101	0.000194

WIN 2095	0.044341	0.052966	0.440119	-0.53553	-0.04616	0.021961	0.00848	0.005378	0.000592	0.005101	0.000194
SPR 2096	0.044342	0.052967	0.440122	-0.53552	-0.04616	0.021964	0.008481	0.005379	0.000592	0.005102	0.000194
SUM 2096	0.044343	0.052967	0.440124	-0.53552	-0.04615	0.021967	0.008482	0.005379	0.000592	0.005102	0.000194
WIN 2096	0.044345	0.052968	0.440126	-0.53551	-0.04615	0.02197	0.008483	0.00538	0.000592	0.005103	0.000194
SPR 2097	0.044346	0.052969	0.440128	-0.5355	-0.04615	0.021972	0.008484	0.005381	0.000592	0.005104	0.000194
SUM 2097	0.044348	0.052969	0.44013	-0.5355	-0.04615	0.021975	0.008485	0.005381	0.000592	0.005104	0.000194
WIN 2097	0.044349	0.05297	0.440132	-0.53549	-0.04615	0.021978	0.008486	0.005382	0.000592	0.005105	0.000194
SPR 2098	0.04435	0.052971	0.440135	-0.53548	-0.04615	0.021981	0.008487	0.005383	0.000592	0.005105	0.000194
SUM 2098	0.044352	0.052972	0.440137	-0.53548	-0.04614	0.021984	0.008488	0.005383	0.000592	0.005106	0.000194
WIN 2098	0.044353	0.052972	0.440138	-0.53547	-0.04614	0.021986	0.008489	0.005384	0.000592	0.005107	0.000194
SPR 2099	0.044354	0.052973	0.440141	-0.53547	-0.04614	0.021989	0.00849	0.005385	0.000592	0.005107	0.000194
SUM 2099	0.044355	0.052974	0.440143	-0.53546	-0.04614	0.021992	0.008491	0.005385	0.000592	0.005108	0.000195
WIN 2099	0.044357	0.052974	0.440145	-0.53546	-0.04614	0.021994	0.008492	0.005386	0.000593	0.005108	0.000195
SPR 2100	0.044358	0.052975	0.440146	-0.53545	-0.04614	0.021997	0.008493	0.005386	0.000593	0.005109	0.000195
SUM 2100	0.044359	0.052975	0.440148	-0.53544	-0.04613	0.022	0.008494	0.005387	0.000593	0.005109	0.000195
WIN 2100	0.04436	0.052976	0.44015	-0.53544	-0.04613	0.022002	0.008495	0.005388	0.000593	0.00511	0.000195
SPR 2101	0.044362	0.052977	0.440152	-0.53543	-0.04613	0.022005	0.008496	0.005388	0.000593	0.00511	0.000195
SUM 2101	0.044363	0.052977	0.440154	-0.53543	-0.04613	0.022007	0.008497	0.005389	0.000593	0.005111	0.000195
WIN 2101	0.044364	0.052978	0.440156	-0.53542	-0.04613	0.02201	0.008498	0.005389	0.000593	0.005112	0.000195
SPR 2102	0.044365	0.052979	0.440158	-0.53542	-0.04613	0.022012	0.008498	0.00539	0.000593	0.005112	0.000195
SUM 2102	0.044366	0.052979	0.44016	-0.53541	-0.04613	0.022015	0.008499	0.00539	0.000593	0.005113	0.000195
WIN 2102	0.044367	0.05298	0.440161	-0.5354	-0.04612	0.022017	0.0085	0.005391	0.000593	0.005113	0.000195
SPR 2103	0.044368	0.05298	0.440163	-0.5354	-0.04612	0.02202	0.008501	0.005392	0.000593	0.005114	0.000195
SUM 2103	0.044369	0.052981	0.440165	-0.5354	-0.04612	0.022022	0.008502	0.005392	0.000593	0.005114	0.000195
WIN 2103	0.044371	0.052981	0.440167	-0.53539	-0.04612	0.022024	0.008503	0.005393	0.000593	0.005115	0.000195
SPR 2104	0.044372	0.052982	0.440168	-0.53538	-0.04612	0.022027	0.008504	0.005393	0.000593	0.005115	0.000195
SUM 2104	0.044373	0.052983	0.44017	-0.53538	-0.04612	0.022029	0.008505	0.005394	0.000593	0.005116	0.000195
WIN 2104	0.044374	0.052983	0.440172	-0.53538	-0.04612	0.022031	0.008505	0.005394	0.000593	0.005116	0.000195
SPR 2105	0.044375	0.052984	0.440174	-0.53537	-0.04612	0.022034	0.008506	0.005395	0.000594	0.005117	0.000195
SUM 2105	0.044376	0.052984	0.440175	-0.53537	-0.04611	0.022036	0.008507	0.005395	0.000594	0.005117	0.000195
WIN 2105	0.044377	0.052985	0.440177	-0.53536	-0.04611	0.022038	0.008508	0.005396	0.000594	0.005117	0.000195
SPR 2106	0.044378	0.052985	0.440178	-0.53536	-0.04611	0.02204	0.008509	0.005396	0.000594	0.005118	0.000195
SUM 2106	0.044379	0.052986	0.44018	-0.53535	-0.04611	0.022043	0.008509	0.005397	0.000594	0.005118	0.000195
WIN 2106	0.04438	0.052986	0.440182	-0.53535	-0.04611	0.022045	0.00851	0.005397	0.000594	0.005119	0.000195
SPR 2107	0.044381	0.052987	0.440183	-0.53534	-0.04611	0.022047	0.008511	0.005398	0.000594	0.005119	0.000195
SUM 2107	0.044382	0.052987	0.440185	-0.53534	-0.04611	0.022049	0.008512	0.005398	0.000594	0.00512	0.000195
WIN 2107	0.044383	0.052988	0.440187	-0.53533	-0.04611	0.022051	0.008513	0.005399	0.000594	0.00512	0.000195
SPR 2108	0.044384	0.052988	0.440188	-0.53533	-0.0461	0.022053	0.008513	0.005399	0.000594	0.005121	0.000195
SUM 2108	0.044385	0.052989	0.44019	-0.53532	-0.0461	0.022055	0.008514	0.0054	0.000594	0.005121	0.000195
WIN 2108	0.044386	0.052989	0.440191	-0.53532	-0.0461	0.022057	0.008515	0.0054	0.000594	0.005122	0.000195
SPR 2109	0.044386	0.05299	0.440193	-0.53531	-0.0461	0.02206	0.008516	0.005401	0.000594	0.005122	0.000195
SUM 2109	0.044387	0.05299	0.440194	-0.53531	-0.0461	0.022062	0.008516	0.005401	0.000594	0.005122	0.000195
WIN 2109	0.044388	0.052991	0.440196	-0.53531	-0.0461	0.022064	0.008517	0.005402	0.000594	0.005123	0.000195
SPR 2110	0.044389	0.052991	0.440197	-0.5353	-0.0461	0.022066	0.008518	0.005402	0.000594	0.005123	0.000195
SUM 2110	0.04439	0.052992	0.440199	-0.5353	-0.0461	0.022068	0.008519	0.005402	0.000594	0.005124	0.000195
WIN 2110	0.044391	0.052992	0.4402	-0.53529	-0.04609	0.02207	0.008519	0.005403	0.000594	0.005124	0.000195
SPR 2111	0.044392	0.052992	0.440202	-0.53529	-0.04609	0.022071	0.00852	0.005403	0.000594	0.005124	0.000195
SUM 2111	0.044393	0.052993	0.440203	-0.53528	-0.04609	0.022073	0.008521	0.005404	0.000595	0.005125	0.000195
WIN 2111	0.044393	0.052993	0.440204	-0.53528	-0.04609	0.022075	0.008521	0.005404	0.000595	0.005125	0.000195
SPR 2112	0.044394	0.052994	0.440206	-0.53528	-0.04609	0.022077	0.008522	0.005405	0.000595	0.005126	0.000195
SUM 2112	0.044395	0.052994	0.440207	-0.53527	-0.04609	0.022079	0.008523	0.005405	0.000595	0.005126	0.000196
WIN 2112	0.044396	0.052995	0.440209	-0.53527	-0.04609	0.022081	0.008523	0.005406	0.000595	0.005126	0.000196
SPR 2113	0.044397	0.052995	0.44021	-0.53526	-0.04609	0.022083	0.008524	0.005406	0.000595	0.005127	0.000196
SUM 2113	0.044398	0.052996	0.440211	-0.53526	-0.04609	0.022085	0.008525	0.005406	0.000595	0.005127	0.000196
WIN 2113	0.044398	0.052996	0.440213	-0.53525	-0.04608	0.022087	0.008525	0.005407	0.000595	0.005128	0.000196
SPR 2114	0.044399	0.052996	0.440214	-0.53525	-0.04608	0.022088	0.008526	0.005407	0.000595	0.005128	0.000196
SUM 2114	0.0444	0.052997	0.440215	-0.53525	-0.04608	0.02209	0.008527	0.005408	0.000595	0.005128	0.000196
WIN 2114	0.044401	0.052997	0.440217	-0.53524	-0.04608	0.022092	0.008527	0.005408	0.000595	0.005129	0.000196
SPR 2115	0.044402	0.052998	0.440218	-0.53524	-0.04608	0.022094	0.008528	0.005408	0.000595	0.005129	0.000196
SUM 2115	0.044402	0.052998	0.440219	-0.53524	-0.04608	0.022095	0.008529	0.005409	0.000595	0.00513	0.000196
WIN 2115	0.044403	0.052998	0.440221	-0.53523	-0.04608	0.022097	0.008529	0.005409	0.000595	0.00513	0.000196
SPR 2116	0.044404	0.052999	0.440222	-0.53523	-0.04608	0.022099	0.00853	0.00541	0.000595	0.00513	0.000196
SUM 2116	0.044405	0.052999	0.440223	-0.53522	-0.04608	0.022101	0.008531	0.00541	0.000595	0.005131	0.000196

WIN 2116	0.044405	0.053	0.440225	-0.53522	-0.04608	0.022102	0.008531	0.00541	0.000595	0.005131	0.000196
SPR 2117	0.044406	0.053	0.440226	-0.53522	-0.04607	0.022104	0.008532	0.005411	0.000595	0.005131	0.000196
SUM 2117	0.044407	0.053	0.440227	-0.53521	-0.04607	0.022106	0.008532	0.005411	0.000595	0.005132	0.000196
WIN 2117	0.044408	0.053001	0.440229	-0.53521	-0.04607	0.022107	0.008533	0.005412	0.000595	0.005132	0.000196
SPR 2118	0.044408	0.053001	0.44023	-0.53521	-0.04607	0.022109	0.008534	0.005412	0.000595	0.005132	0.000196
SUM 2118	0.044409	0.053002	0.440231	-0.5352	-0.04607	0.022111	0.008534	0.005412	0.000595	0.005133	0.000196
WIN 2118	0.04441	0.053002	0.440232	-0.5352	-0.04607	0.022112	0.008535	0.005413	0.000595	0.005133	0.000196
SPR 2119	0.044411	0.053002	0.440234	-0.5352	-0.04607	0.022114	0.008535	0.005413	0.000595	0.005133	0.000196
SUM 2119	0.044411	0.053003	0.440235	-0.53519	-0.04607	0.022115	0.008536	0.005413	0.000596	0.005134	0.000196
WIN 2119	0.044412	0.053003	0.440236	-0.53519	-0.04607	0.022117	0.008536	0.005414	0.000596	0.005134	0.000196
SPR 2120	0.044413	0.053003	0.440237	-0.53519	-0.04607	0.022119	0.008537	0.005414	0.000596	0.005134	0.000196
SUM 2120	0.044413	0.053004	0.440238	-0.53518	-0.04607	0.02212	0.008538	0.005414	0.000596	0.005135	0.000196
WIN 2120	0.044414	0.053004	0.44024	-0.53518	-0.04606	0.022122	0.008538	0.005415	0.000596	0.005135	0.000196
SPR 2121	0.044415	0.053004	0.440241	-0.53517	-0.04606	0.022123	0.008539	0.005415	0.000596	0.005135	0.000196
SUM 2121	0.044415	0.053005	0.440242	-0.53517	-0.04606	0.022125	0.008539	0.005416	0.000596	0.005136	0.000196
WIN 2121	0.044416	0.053005	0.440243	-0.53517	-0.04606	0.022126	0.00854	0.005416	0.000596	0.005136	0.000196
SPR 2122	0.044417	0.053006	0.440244	-0.53516	-0.04606	0.022128	0.00854	0.005416	0.000596	0.005136	0.000196
SUM 2122	0.044417	0.053006	0.440245	-0.53516	-0.04606	0.022129	0.008541	0.005417	0.000596	0.005137	0.000196
WIN 2122	0.044418	0.053006	0.440246	-0.53516	-0.04606	0.022131	0.008541	0.005417	0.000596	0.005137	0.000196
SPR 2123	0.044419	0.053007	0.440248	-0.53516	-0.04606	0.022132	0.008542	0.005417	0.000596	0.005137	0.000196
SUM 2123	0.044419	0.053007	0.440249	-0.53515	-0.04606	0.022134	0.008543	0.005418	0.000596	0.005138	0.000196
WIN 2123	0.04442	0.053007	0.44025	-0.53515	-0.04606	0.022135	0.008543	0.005418	0.000596	0.005138	0.000196
SPR 2124	0.04442	0.053008	0.440251	-0.53514	-0.04606	0.022136	0.008544	0.005418	0.000596	0.005138	0.000196
SUM 2124	0.044421	0.053008	0.440252	-0.53514	-0.04606	0.022138	0.008544	0.005419	0.000596	0.005138	0.000196
WIN 2124	0.044422	0.053008	0.440253	-0.53514	-0.04605	0.022139	0.008545	0.005419	0.000596	0.005139	0.000196
SPR 2125	0.044422	0.053009	0.440254	-0.53514	-0.04605	0.022141	0.008545	0.005419	0.000596	0.005139	0.000196
SUM 2125	0.044423	0.053009	0.440255	-0.53513	-0.04605	0.022142	0.008546	0.005419	0.000596	0.005139	0.000196
WIN 2125	0.044424	0.053009	0.440256	-0.53513	-0.04605	0.022143	0.008546	0.00542	0.000596	0.00514	0.000196
SPR 2126	0.044424	0.05301	0.440257	-0.53513	-0.04605	0.022145	0.008547	0.00542	0.000596	0.00514	0.000196
SUM 2126	0.044425	0.05301	0.440258	-0.53512	-0.04605	0.022146	0.008547	0.00542	0.000596	0.00514	0.000196
WIN 2126	0.044425	0.05301	0.44026	-0.53512	-0.04605	0.022147	0.008548	0.005421	0.000596	0.00514	0.000196
SPR 2127	0.044426	0.05301	0.44026	-0.53512	-0.04605	0.022149	0.008548	0.005421	0.000596	0.005141	0.000196
SUM 2127	0.044427	0.053011	0.440261	-0.53511	-0.04605	0.02215	0.008548	0.005421	0.000596	0.005141	0.000196
WIN 2127	0.044427	0.053011	0.440263	-0.53511	-0.04605	0.022151	0.008549	0.005422	0.000596	0.005141	0.000196
SPR 2128	0.044428	0.053011	0.440264	-0.53511	-0.04605	0.022153	0.008549	0.005422	0.000596	0.005142	0.000196
SUM 2128	0.044428	0.053012	0.440265	-0.5351	-0.04605	0.022154	0.00855	0.005422	0.000596	0.005142	0.000196
WIN 2128	0.044429	0.053012	0.440266	-0.5351	-0.04604	0.022155	0.00855	0.005422	0.000597	0.005142	0.000196
SPR 2129	0.044429	0.053012	0.440267	-0.5351	-0.04604	0.022156	0.008551	0.005423	0.000597	0.005142	0.000196
SUM 2129	0.04443	0.053013	0.440268	-0.5351	-0.04604	0.022158	0.008551	0.005423	0.000597	0.005143	0.000196
WIN 2129	0.044431	0.053013	0.440269	-0.53509	-0.04604	0.022159	0.008552	0.005423	0.000597	0.005143	0.000196
SPR 2130	0.044431	0.053013	0.44027	-0.53509	-0.04604	0.02216	0.008552	0.005424	0.000597	0.005143	0.000196
SUM 2130	0.044432	0.053013	0.440271	-0.53509	-0.04604	0.022161	0.008553	0.005424	0.000597	0.005143	0.000196
WIN 2130	0.044432	0.053014	0.440272	-0.53508	-0.04604	0.022163	0.008553	0.005424	0.000597	0.005144	0.000196
SPR 2131	0.044433	0.053014	0.440272	-0.53508	-0.04604	0.022164	0.008554	0.005424	0.000597	0.005144	0.000196
SUM 2131	0.044433	0.053014	0.440273	-0.53508	-0.04604	0.022165	0.008554	0.005425	0.000597	0.005144	0.000196
WIN 2131	0.044434	0.053015	0.440274	-0.53508	-0.04604	0.022166	0.008554	0.005425	0.000597	0.005144	0.000196
SPR 2132	0.044434	0.053015	0.440275	-0.53507	-0.04604	0.022167	0.008555	0.005425	0.000597	0.005145	0.000196
SUM 2132	0.044435	0.053015	0.440276	-0.53507	-0.04604	0.022169	0.008555	0.005426	0.000597	0.005145	0.000196
WIN 2132	0.044435	0.053015	0.440277	-0.53507	-0.04604	0.02217	0.008556	0.005426	0.000597	0.005145	0.000196
SPR 2133	0.044436	0.053016	0.440278	-0.53507	-0.04604	0.022171	0.008556	0.005426	0.000597	0.005145	0.000196
SUM 2133	0.044436	0.053016	0.440279	-0.53506	-0.04604	0.022172	0.008557	0.005426	0.000597	0.005146	0.000196
WIN 2133	0.044437	0.053016	0.44028	-0.53506	-0.04603	0.022173	0.008557	0.005427	0.000597	0.005146	0.000196
SPR 2134	0.044437	0.053017	0.440281	-0.53506	-0.04603	0.022174	0.008557	0.005427	0.000597	0.005146	0.000196
SUM 2134	0.044438	0.053017	0.440282	-0.53505	-0.04603	0.022176	0.008558	0.005427	0.000597	0.005146	0.000196
WIN 2134	0.044438	0.053017	0.440283	-0.53505	-0.04603	0.022177	0.008558	0.005427	0.000597	0.005147	0.000196
SPR 2135	0.044439	0.053017	0.440284	-0.53505	-0.04603	0.022178	0.008559	0.005428	0.000597	0.005147	0.000196
SUM 2135	0.044439	0.053018	0.440285	-0.53505	-0.04603	0.022179	0.008559	0.005428	0.000597	0.005147	0.000196
WIN 2135	0.04444	0.053018	0.440285	-0.53504	-0.04603	0.02218	0.008559	0.005428	0.000597	0.005147	0.000197
SPR 2136	0.04444	0.053018	0.440286	-0.53504	-0.04603	0.022181	0.00856	0.005428	0.000597	0.005148	0.000197
SUM 2136	0.044441	0.053018	0.440287	-0.53504	-0.04603	0.022182	0.00856	0.005429	0.000597	0.005148	0.000197
WIN 2136	0.044441	0.053019	0.440288	-0.53504	-0.04603	0.022183	0.008561	0.005429	0.000597	0.005148	0.000197
SPR 2137	0.044442	0.053019	0.440289	-0.53503	-0.04603	0.022184	0.008561	0.005429	0.000597	0.005148	0.000197
SUM 2137	0.044442	0.053019	0.44029	-0.53503	-0.04603	0.022185	0.008561	0.005429	0.000597	0.005148	0.000197

WIN 2137	0.044443	0.053019	0.440291	-0.53503	-0.04603	0.022186	0.008562	0.00543	0.000597	0.005149	0.000197
SPR 2138	0.044443	0.05302	0.440291	-0.53503	-0.04603	0.022187	0.008562	0.00543	0.000597	0.005149	0.000197
SUM 2138	0.044444	0.05302	0.440292	-0.53503	-0.04603	0.022188	0.008562	0.00543	0.000597	0.005149	0.000197
WIN 2138	0.044444	0.05302	0.440293	-0.53502	-0.04603	0.022189	0.008563	0.00543	0.000597	0.005149	0.000197
SPR 2139	0.044445	0.05302	0.440294	-0.53502	-0.04602	0.02219	0.008563	0.005431	0.000597	0.00515	0.000197
SUM 2139	0.044445	0.053021	0.440295	-0.53502	-0.04602	0.022191	0.008564	0.005431	0.000597	0.00515	0.000197
WIN 2139	0.044445	0.053021	0.440296	-0.53501	-0.04602	0.022192	0.008564	0.005431	0.000597	0.00515	0.000197
SPR 2140	0.044446	0.053021	0.440297	-0.53501	-0.04602	0.022193	0.008564	0.005431	0.000597	0.00515	0.000197
SUM 2140	0.044446	0.053021	0.440297	-0.53501	-0.04602	0.022194	0.008565	0.005431	0.000597	0.00515	0.000197
WIN 2140	0.044447	0.053022	0.440298	-0.53501	-0.04602	0.022195	0.008565	0.005432	0.000598	0.005151	0.000197
SPR 2141	0.044447	0.053022	0.440299	-0.53501	-0.04602	0.022196	0.008565	0.005432	0.000598	0.005151	0.000197
SUM 2141	0.044448	0.053022	0.4403	-0.535	-0.04602	0.022197	0.008566	0.005432	0.000598	0.005151	0.000197
WIN 2141	0.044448	0.053022	0.4403	-0.535	-0.04602	0.022198	0.008566	0.005432	0.000598	0.005151	0.000197

Net effect divided by w/o transfer condition

	Ashton to period	Heise to Asht to Rexl	Shelley to Shr	Shelley to INr.Bckft	Nr Bckft T to Neeley to f	Dev. Wbl. to DWB	Buhl to Bt	Kspr Kspj	Kspr to Kspr to Ma	Malad Malad	Malad to Malad to B.
SPR 1992	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1992	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1992	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1993	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1993	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1993	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1994	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1994	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1994	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1995	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1995	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1995	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1996	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1996	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1996	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1997	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1997	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1997	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1998	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1998	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1998	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 1999	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 1999	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 1999	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2000	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2000	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2000	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2001	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2001	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2001	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2002	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2002	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2002	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2003	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2003	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2003	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2004	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2004	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2004	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2005	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2005	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2005	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2006	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2006	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2006	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2007	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2007	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2007	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2008	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2008	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2008	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2009	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2009	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2009	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2010	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2010	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2010	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2011	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2011	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%

WIN 2011	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2012	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2012	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2012	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2013	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2013	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2013	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2014	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2014	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2014	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2015	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2015	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2015	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100.0%
SPR 2016	1.00	1.00	1.07	0.92	0.96	1.00	1.00	1.00	1.00	1.00	100.0%
SUM 2016	1.00	1.01	1.11	0.91	0.93	1.00	1.00	1.00	1.00	1.00	100.0%
WIN 2016	1.01	1.02	1.13	0.92	0.91	1.00	1.00	1.00	1.00	1.00	100.1%
SPR 2017	1.01	1.04	1.14	0.92	0.89	1.00	1.00	1.00	1.00	1.00	100.2%
SUM 2017	1.01	1.05	1.16	0.92	0.88	1.00	1.00	1.00	1.00	1.00	100.3%
WIN 2017	1.02	1.07	1.16	0.92	0.87	1.01	1.01	1.01	1.01	1.01	100.5%
SPR 2018	1.03	1.08	1.17	0.93	0.86	1.01	1.01	1.01	1.01	1.01	100.7%
SUM 2018	1.03	1.09	1.18	0.93	0.85	1.01	1.01	1.01	1.01	1.01	100.9%
WIN 2018	1.04	1.10	1.18	0.93	0.85	1.01	1.01	1.01	1.01	1.01	101.1%
SPR 2019	1.04	1.11	1.19	0.93	0.84	1.02	1.01	1.01	1.01	1.01	101.4%
SUM 2019	1.05	1.12	1.19	0.93	0.84	1.02	1.02	1.02	1.02	1.02	101.6%
WIN 2019	1.05	1.12	1.20	0.93	0.84	1.02	1.02	1.02	1.02	1.02	101.9%
SPR 2020	1.06	1.13	1.20	0.94	0.84	1.02	1.02	1.02	1.02	1.02	102.1%
SUM 2020	1.06	1.14	1.20	0.94	0.83	1.03	1.03	1.03	1.02	1.02	102.4%
WIN 2020	1.07	1.14	1.20	0.94	0.83	1.03	1.03	1.03	1.03	1.03	102.6%
SPR 2021	1.07	1.15	1.21	0.94	0.83	1.03	1.03	1.03	1.03	1.03	102.8%
SUM 2021	1.08	1.15	1.21	0.94	0.83	1.03	1.03	1.03	1.03	1.03	103.1%
WIN 2021	1.08	1.16	1.21	0.94	0.83	1.04	1.04	1.04	1.03	1.03	103.3%
SPR 2022	1.09	1.16	1.21	0.94	0.83	1.04	1.04	1.04	1.04	1.04	103.5%
SUM 2022	1.09	1.16	1.21	0.94	0.83	1.04	1.04	1.04	1.04	1.04	103.7%
WIN 2022	1.10	1.17	1.21	0.94	0.83	1.04	1.04	1.04	1.04	1.04	103.9%
SPR 2023	1.10	1.17	1.21	0.94	0.83	1.04	1.04	1.04	1.04	1.04	104.2%
SUM 2023	1.11	1.17	1.21	0.94	0.83	1.05	1.05	1.05	1.05	1.05	104.4%
WIN 2023	1.11	1.17	1.22	0.94	0.83	1.05	1.05	1.05	1.05	1.05	104.5%
SPR 2024	1.11	1.18	1.22	0.94	0.83	1.05	1.05	1.05	1.05	1.05	104.7%
SUM 2024	1.12	1.18	1.22	0.94	0.83	1.05	1.05	1.05	1.05	1.05	104.9%
WIN 2024	1.12	1.18	1.22	0.94	0.83	1.05	1.05	1.05	1.05	1.05	105.1%
SPR 2025	1.13	1.18	1.22	0.94	0.83	1.06	1.06	1.06	1.05	1.05	105.2%
SUM 2025	1.13	1.19	1.22	0.94	0.84	1.06	1.06	1.06	1.06	1.06	105.4%
WIN 2025	1.13	1.19	1.22	0.94	0.84	1.06	1.06	1.06	1.06	1.06	105.6%
SPR 2026	1.14	1.19	1.22	0.94	0.84	1.06	1.06	1.06	1.06	1.06	105.7%
SUM 2026	1.14	1.19	1.22	0.94	0.84	1.06	1.06	1.06	1.06	1.06	105.9%
WIN 2026	1.14	1.19	1.22	0.94	0.84	1.06	1.06	1.06	1.06	1.06	106.0%
SPR 2027	1.15	1.19	1.22	0.94	0.84	1.06	1.06	1.06	1.06	1.06	106.1%
SUM 2027	1.15	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	106.3%
WIN 2027	1.15	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	106.4%
SPR 2028	1.15	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	106.5%
SUM 2028	1.16	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	106.6%
WIN 2028	1.16	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	106.7%
SPR 2029	1.16	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	106.9%
SUM 2029	1.17	1.20	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	107.0%
WIN 2029	1.17	1.21	1.22	0.94	0.84	1.07	1.07	1.07	1.07	1.07	107.1%
SPR 2030	1.17	1.21	1.23	0.94	0.84	1.07	1.07	1.07	1.07	1.07	107.2%
SUM 2030	1.17	1.21	1.23	0.95	0.84	1.08	1.08	1.08	1.08	1.08	107.3%
WIN 2030	1.17	1.21	1.23	0.95	0.84	1.08	1.08	1.08	1.08	1.08	107.3%
SPR 2031	1.18	1.21	1.23	0.95	0.84	1.08	1.08	1.08	1.08	1.08	107.4%
SUM 2031	1.18	1.21	1.23	0.95	0.84	1.08	1.08	1.08	1.08	1.08	107.5%
WIN 2031	1.18	1.21	1.23	0.95	0.84	1.08	1.08	1.08	1.08	1.08	107.6%
SPR 2032	1.18	1.21	1.23	0.95	0.84	1.08	1.08	1.08	1.08	1.08	107.7%
SUM 2032	1.18	1.21	1.23	0.95	0.85	1.08	1.08	1.08	1.08	1.08	107.8%

WIN 2032	1.19	1.21	1.23	0.95	0.85	1.08	1.08	1.08	1.08	1.08	107.8%
SPR 2033	1.19	1.21	1.23	0.95	0.85	1.08	1.08	1.08	1.08	1.08	107.9%
SUM 2033	1.19	1.22	1.23	0.95	0.85	1.08	1.08	1.08	1.08	1.08	108.0%
WIN 2033	1.19	1.22	1.23	0.95	0.85	1.08	1.08	1.08	1.08	1.08	108.0%
SPR 2034	1.19	1.22	1.23	0.95	0.85	1.08	1.08	1.08	1.08	1.08	108.1%
SUM 2034	1.19	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.2%
WIN 2034	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.2%
SPR 2035	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.3%
SUM 2035	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.4%
WIN 2035	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.4%
SPR 2036	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.5%
SUM 2036	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.5%
WIN 2036	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.6%
SPR 2037	1.20	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.6%
SUM 2037	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.7%
WIN 2037	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.7%
SPR 2038	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.8%
SUM 2038	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.8%
WIN 2038	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.8%
SPR 2039	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.9%
SUM 2039	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	108.9%
WIN 2039	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	109.0%
SPR 2040	1.21	1.22	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	109.0%
SUM 2040	1.21	1.23	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	109.0%
WIN 2040	1.21	1.23	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	109.1%
SPR 2041	1.21	1.23	1.23	0.95	0.85	1.09	1.09	1.09	1.09	1.09	109.1%
SUM 2041	1.22	1.23	1.23	0.95	0.85	1.09	1.10	1.10	1.10	1.10	109.1%
WIN 2041	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.2%
SPR 2042	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.2%
SUM 2042	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.2%
WIN 2042	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.3%
SPR 2043	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.3%
SUM 2043	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.3%
WIN 2043	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.4%
SPR 2044	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.4%
SUM 2044	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.4%
WIN 2044	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.4%
SPR 2045	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.5%
SUM 2045	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.5%
WIN 2045	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.5%
SPR 2046	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.5%
SUM 2046	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.6%
WIN 2046	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.6%
SPR 2047	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.6%
SUM 2047	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.6%
WIN 2047	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.6%
SPR 2048	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.7%
SUM 2048	1.22	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.7%
WIN 2048	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.7%
SPR 2049	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.7%
SUM 2049	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.7%
WIN 2049	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.8%
SPR 2050	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.8%
SUM 2050	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.8%
WIN 2050	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.8%
SPR 2051	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.8%
SUM 2051	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.8%
WIN 2051	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.9%
SPR 2052	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.9%
SUM 2052	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.9%
WIN 2052	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.9%
SPR 2053	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.9%
SUM 2053	1.23	1.23	1.23	0.95	0.85	1.10	1.10	1.10	1.10	1.10	109.9%

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WIN 2137	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SPR 2138	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SUM 2138	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
WIN 2138	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SPR 2139	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SUM 2139	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
WIN 2139	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SPR 2140	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SUM 2140	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
WIN 2140	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SPR 2141	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
SUM 2141	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%
WIN 2141	1.23	1.23	1.23	0.95	0.86	1.11	1.11	1.11	1.11	1.11	110.6%

ATTACHMENT 5.5
Water Modeling – Calculated
Effects

Enter First Time Step of Transfer: **SPR 2018**

Match: 73 Match: 450

	ASR	HSG	SHAB	MSH	MM	DMR	BITB	TS	TSM	M	MS	Total
Precipitating Effects @ SS (Last Time Step)	0.18	0.23	1.91	10.28	0.33	0.21	0.08	0.05	0.01	0.05	0.00	13.32
Steady State - Value of Dep. @ Last Time Step	0.24	0.28	2.35	9.74	0.28	0.23	0.08	0.06	0.01	0.05	0.00	13.32
Precipitating Effects @ Transient State (Max Value Time Step)	0.19	0.23	1.91	10.28	0.33	0.21	0.08	0.05	0.01	0.05	0.00	13.32
Transient State - Max. Value of Dep. After Transfer	0.24	0.28	2.35	9.74	0.30	0.23	0.09	0.06	0.01	0.05	0.00	13.34
Steady State Change:	0.04	0.05	0.44	-0.54	-0.05	0.02	0.01	0.01	0.00	0.01	0.00	
Transient State Change:	0.04	0.05	0.44	-0.54	-0.03	0.02	0.01	0.01	0.00	0.01	0.00	

Total Effects without Transfer - Last Time Step
Total Effects with Transfer - Last Time Step

Total Effects without Transfer - Correlates to Max Value from Total Effects with Transfer
Total Effects with Transfer - Max Value from Sum of Transfer to Last Time Step

ATTACHMENT 5.6
Water Modeling – Mitigation
Analysis

WR No.	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
Transfer 1: Input Water Right Conditions Prior to Transfer							
35-7667	0.2	40.0	10.0	6/11/1992			88,103
Transfer 1: Input Water Right Conditions Following Transfer							
35-7667	0.2	40	10	6/11/1992	0	0	82,108

WR No.	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
Transfer 1: Input Water Right Conditions Prior to Transfer							
35-7667	0.2	40.0	10.0	6/11/1992			88,103
Transfer 1: Input Water Right Conditions Following Transfer							
35-7667	0.2	40	10	6/11/1992	0	0	82,108

35-7667	0.2	40	10	6/11/1992	0	0	0.0	82.106
Transfer to wet night conditions, growing plants								

35-7667	0.2	40	10	6/11/1992	0	0	0.0	82.106
Transfer to wet night conditions, growing plants								

Mitigation Check 1 - > 10% of Historical:
Mitigation Check 2: > 2 AFT:
Mitigation Check 3 - > 10% of Total:
Mitigation Required?:
Mitigation Vol. Req'd (ac-ft):

Mitigation Check 1 - > 10% of Historical:
Mitigation Check 2: > 2 AFT:
Mitigation Check 3 - > 10% of Total:
Mitigation Required?:
Mitigation Vol. Req'd (ac-ft):

Mitigation Check 1 - >10% of Historical:
Mitigation Check 2: > 2.01 A/F/T:

Mitigation Check 1 - >10% of Historical:
Mitigation Check 2: > 2.01 A/F/T:

Impact by Reach (AF/TriMester)					
Axinton to Reuzburg	Heise to Shelley	Nr Bickitt	To Neeley	Neeley to Minidoka	Dev Whl. To Buht Kscr
					Kscr to Malad
					Maled to Bancroft

Impact by Reach (AF/TriMester)					
Axinton to Reuzburg	Heise to Shelley	Nr Bickitt	To Neeley	Neeley to Minidoka	Dev Whl. To Buht Kscr
					Kscr to Malad
					Maled to Bancroft

	0.19	0.23	1.91	10.26	0.33	0.21	0.08	0.05	0.01	0.05	0.00
0.24	0.28	2.35	9.74	0.28	0.23	0.09	0.06	0.01	0.05	0.00	
0.19	0.23	1.91	10.26	0.33	0.21	0.08	0.05	0.01	0.05	0.00	
0.24	0.28	2.35	9.74	0.30	0.23	0.09	0.06	0.01	0.05	0.00	

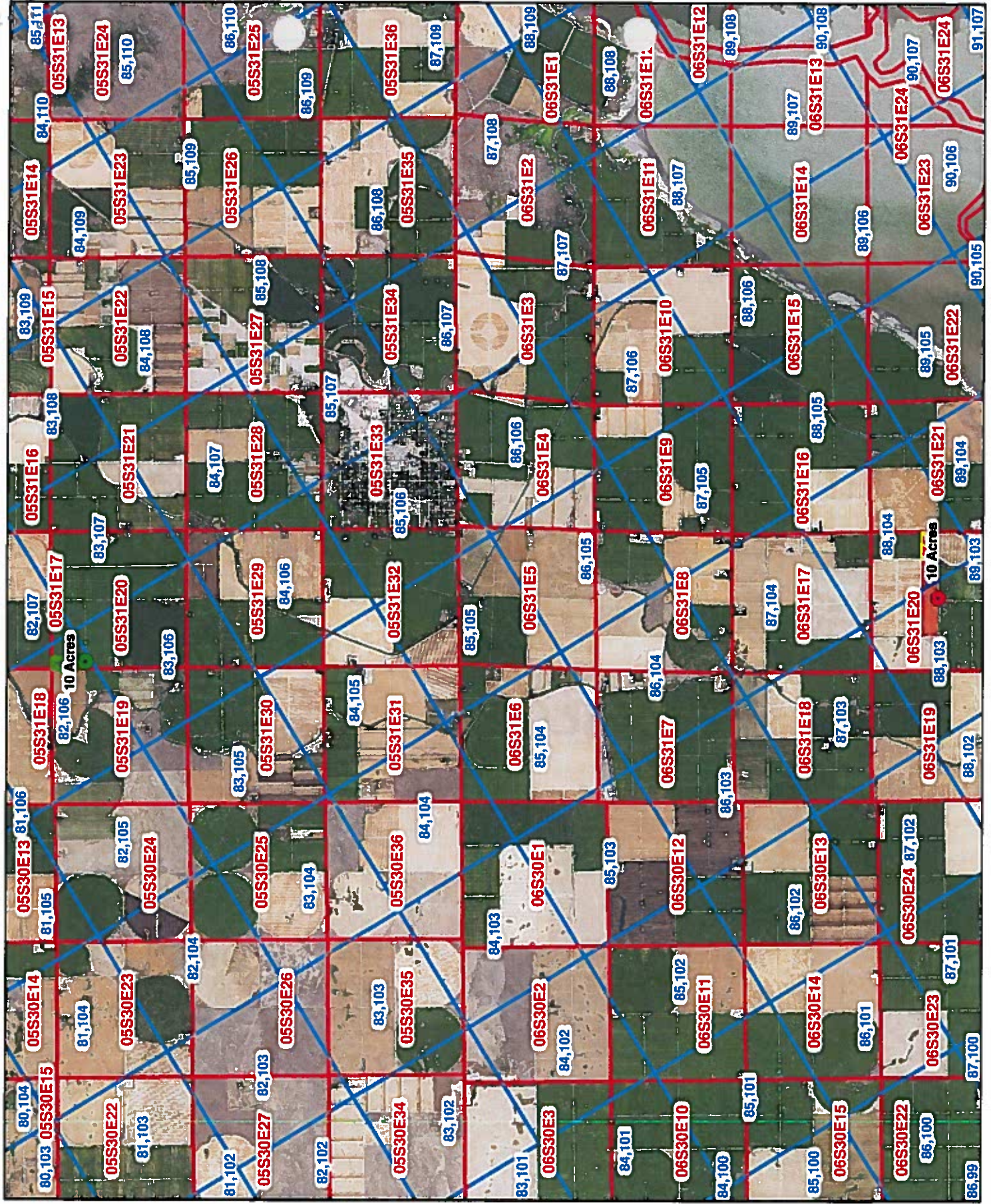
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Attachment No. 7a
GIS Maps

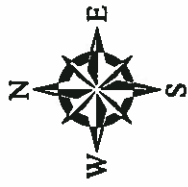
DUFFIN WATER RIGHT NO. 35-7667 TRANSFER



- Legend**
- Current POD
 - Proposed POD
 - Transfer Acres
 - Proposed POU
 - 35-7667 POU
 - modelgrid
 - Section Lines



DUFFIN WATER RIGHT NO. 35-7667 TRANSFER



Legend

- Current POD
- Transfer Acres
- 35-7667 POU
- Section Lines
- Quarter Quarters



2013 NAIP Photo



Prepared by:
Luke H. Marchant
11/25/2015

DUFFIN WATER RIGHT NO. 35-7667 TRANSFER



Legend

- Proposed POD
- Proposed POU
- 35-7667 POU
- Section Lines
- Quarter Quarters

2013 NAIP Photo



Prepared by:
Luke H. Marchant
11/25/2015