

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 84663

MINIMUM REQUIREMENTS CHECKLIST

TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

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 idwr.idaho.gov.

Name of Applicant(s) Natural Guardian LLC

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 idwr.idaho.gov/water-rights/transfers/resources.html.
- ☐ ☒ #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: Preliminary industrial site diagram

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
JAN 25 2021
Department of Water Resources
Eastern Region

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1

Name of Applicant(s) Natural Guardian LLC Phone 208-528-6635
Mailing address PO Box 50277, Idaho Falls, ID 83405-0277 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 Representative

Name of Representative SPF Water Engineering Phone 208-383-4140
Mailing address 300 E Mallard Dr, Ste 350, Boise, ID 83706 Email lgraves@spfwater.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.


Signature of Applicant or Authorized Representative

Vice President of Manager
Print Name and Title if applicable

1/20/21
Date

Signature of Applicant or Authorized Representative

Print Name and Title if applicable

Date

A. PURPOSE OF TRANSFER

- ☒ Change point of diversion
☒ Change nature of use
☐ Add diversion point(s)
☒ Change period of use
☒ Change place of use
☐ Other _____
- Is this a transfer for changes pursuant to Idaho Code § 42-221.0.8?
If yes, ☐ attach an explanation and any supporting documentation labeled as **Part 1A.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.3**.
Retire 287 acres from irrigation under water right 35-2797 and transfer to industrial use for a new beef processing facility. See Transfer Attachment Part 1A.3. for additional information.

Transfer Part 1A.3.

Natural Guardian LLC proposes to convert primary ground water from irrigation purposes to industrial purposes for use at a proposed meat packing facility near Idaho Falls, Idaho.

As shown in Transfer Attachment 7A, the industrial and potable water supplies for the facility will come from two new wells constructed at the plant. The plant supply wells will each be designed to provide the peak day demand for the plant. Peak hour and fire protection flows will be provided from storage. Industrial wastewater from the plant will be treated and reused for irrigation purposes on lands currently irrigated under Applicant's portfolio of water rights.

The water system for the plant will be classified as a non-transient non-community public water system (NTNCPWS or PWS) regulated by the Idaho Department of Environmental Quality (IDEQ). IDEQ must review and approve plans for a public water system prior to system construction.

The water right chosen for transfer is 35-2797 that authorizes diversion 24.81 cfs and 5322 afa for seasonal irrigation of 1330.5 acres. A total of 5.35 cfs (2402 gpm), 287 acres, and 553.9 irrigation consumptive afa will be transferred to industrial use to satisfy the processing plant's annual industrial needs. Season of use will be changed to year-round.

The remainder of right 35-2797 consists of 19.46 cfs and 4174 afa for irrigation of 1043.5 acres as shown in Transfer Attachment 7B2. A PLS description of the remaining irrigation is provided in Transfer Attachment 1B Supplement. GIS shape files are available upon request and were created using 2018 aerial imagery.

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 ☐ ☒	35-2797	5.35/553.9	Industrial	1/1 to 12/31	Ground Water
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	

Total authorized under rights 5.35 cfs and/or 553.9 acre-feet.

2. Total amount of water proposed to be transferred or changed 5.35 cubic feet per second and/or 553.9 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 #
Y			NE	NE	22	2N	36E	Bonneville	Ground Water	
Y			SE	NE	22	2N	36E	Bonneville	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	
2N	36E	22				I													
2N	36E	23		I	I		I		I	I									
Total Acres (for irrigation use)																			

A PLS description of the 1,043.5 acres of remaining irrigation is provided as Transfer Supplement Attachment 1B

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Ident. No. _____

Point of Diversion/Place of Use Supplement

Attachment to: ☐ Application for Permit to Appropriate Water ☒ Application for Transfer** ☐ Adjudication Claim
☐ Application for Amendment of Permit ☐ Beneficial Use Field Report ☐ Statutory Claim

Location of points of diversion (POD):

New POD?	Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or well/diversion tag #
☐ Yes	2N	36E	17			SE	NE	Bonneville	Ground Water	
☐ Yes	2N	36E	17			NE	NW	Bonneville	Ground Water	
☐ Yes	2N	36E	17			SE	SW	Bonneville	Ground Water	
☐ Yes	2N	36E	20			NE	NE	Bonneville	Ground Water	
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										

Description of place of use (POU): Water Right 35-2797 Remaining Irrigation - 1043.5 acres

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
		8									40	39	40	39		10	36	4	208
		16						8	17			38	36						99
		17	38	30	12	36	6	9	3	5	39	34	39	38	40	35	23	38	425
		20	39	35	36	40	40	23		16					26	18			273
		21						28.5	10										38.5

**If this supplemental sheet is for an Application for Transfer, insert this page into Part 1B of the application.

Page _____

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:

Two proposed wells for industrial use. Measuring devices and lockable controlling works will be accommodated.

- 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:

287 acres will be retired from irrigation. The consumptive volume associated with the retired acres will be converted to industrial use.

- 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:

Treated wastewater resulting from industrial use will be land applied on acres with current irrigation coverage under applicant's ground water rights portfolio including 35-2291, 35-2586C & E, 35-2598, 35-2797, 35-7206C, 35-7293, 35-7364C & E, 35-8863, 35-8942, 35-10054A, 35-13974 and 35-14619.

- 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:

1/29/2021

Owner Type **Name**
Current Owner NATURAL GUARDIAN LLC
Priority Date: 10/28/1965
Basis: Deceased
Status: Active

GROUND WATER

Page 1 of 1

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 rights(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:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

FOR DEPARTMENT USE ONLY

Transfer contains _____ pages and _____ attachments.

Received by _____ Date _____ Preliminary check by _____ Date _____

Fee paid \$1,150.00 Date 1/25/21 Received by CA H Receipt # E046587

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)



MEMORANDUM

DATE: January 12, 2021
TO: IDWR Eastern Region
FROM: Peter Vidmar, P.E.
RE: ETRAN Analysis for Transfer of Irrigation Water Rights 35-2797 (Natural Guardian LLC)

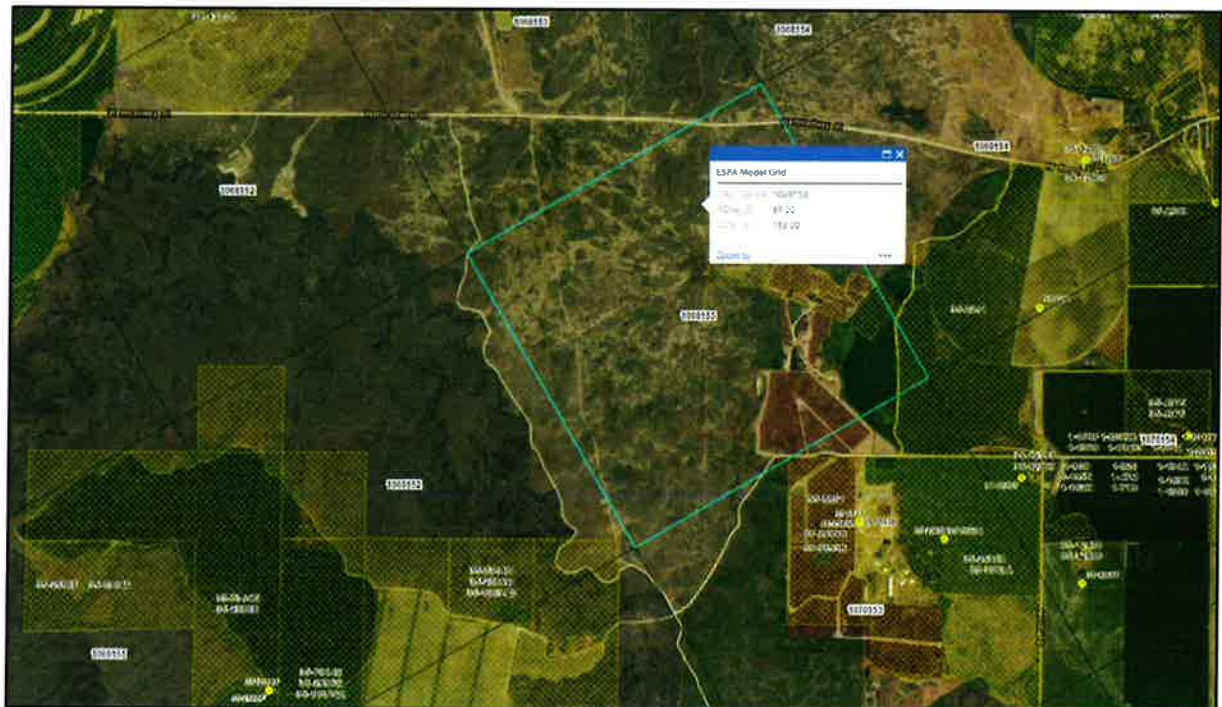
Natural Guardian LLC proposes to retire 287 acres from irrigation under water right 35-2797 and transfer the historical consumptive use from the right to industrial use for a new beef processing facility.

Because the well in the NWNENW Section 17 (cell 66:151) is the most distant existing well from the new well locations (cell 69:153), it was assumed that all of the water was being pumped from this most distant cell (maximizing the transfer impact) within the ESPA transfer tool in an effort to determine if mitigation is required.

The result of the modeled impacts found that mitigation is not required. Copies of the transfer analysis are attached.



66-151



69-153



Proximity Map – Water Right 35-2797 POD's

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET

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

Cells this color are set up for user entries

UPDATE DATES

RUN MODEL

GET OUTPUT

CALCULATE EFFECTS

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

YEAR: 1966 TRANSFER NO: T8D

SEASON: SUMMER TRANSFER NAME: Natural Guardian

ENTER CELL LOCATIONS:

	TO CELL	FROM1 CELL	FROM2 CELL	FROM3 CELL
ROW	69	66	0	0
COLUMN	153	151	0	0

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SUM 1966	0	185	185	0	0	0	0
WIN 1966	0	185	185	0	0	0	0
SPR 1967	0	185	185	0	0	0	0
SUM 1967	0	185	185	0	0	0	0
WIN 1967	0	185	185	0	0	0	0
SPR 1968	0	185	185	0	0	0	0
SUM 1968	0	185	185	0	0	0	0
WIN 1968	0	185	185	0	0	0	0
SPR 1969	0	185	185	0	0	0	0
SUM 1969	0	185	185	0	0	0	0
WIN 1969	0	185	185	0	0	0	0
SPR 1970	0	185	185	0	0	0	0
SUM 1970	0	185	185	0	0	0	0
WIN 1970	0	185	185	0	0	0	0
SPR 1971	0	185	185	0	0	0	0
SUM 1971	0	185	185	0	0	0	0
WIN 1971	0	185	185	0	0	0	0
SPR 1972	0	185	185	0	0	0	0
SUM 1972	0	185	185	0	0	0	0
WIN 1972	0	185	185	0	0	0	0
SPR 1973	0	185	185	0	0	0	0
SUM 1973	0	185	185	0	0	0	0
WIN 1973	0	185	185	0	0	0	0
SPR 1974	0	185	185	0	0	0	0
SUM 1974	0	185	185	0	0	0	0
WIN 1974	0	185	185	0	0	0	0
SPR 1975	0	185	185	0	0	0	0
SUM 1975	0	185	185	0	0	0	0
WIN 1975	0	185	185	0	0	0	0
SPR 1976	0	185	185	0	0	0	0
SUM 1976	0	185	185	0	0	0	0
WIN 1976	0	185	185	0	0	0	0
SPR 1977	0	185	185	0	0	0	0
SUM 1977	0	185	185	0	0	0	0
WIN 1977	0	185	185	0	0	0	0
SPR 1978	0	185	185	0	0	0	0
SUM 1978	0	185	185	0	0	0	0
WIN 1978	0	185	185	0	0	0	0
SPR 1979	0	185	185	0	0	0	0
SUM 1979	0	185	185	0	0	0	0
WIN 1979	0	185	185	0	0	0	0
SPR 1980	0	185	185	0	0	0	0
SUM 1980	0	185	185	0	0	0	0
WIN 1980	0	185	185	0	0	0	0
SPR 1981	0	185	185	0	0	0	0
SUM 1981	0	185	185	0	0	0	0
WIN 1981	0	185	185	0	0	0	0
SPR 1982	0	185	185	0	0	0	0
SUM 1982	0	185	185	0	0	0	0
WIN 1982	0	185	185	0	0	0	0
SPR 1983	0	185	185	0	0	0	0
SUM 1983	0	185	185	0	0	0	0
WIN 1983	0	185	185	0	0	0	0
SPR 1984	0	185	185	0	0	0	0
SUM 1984	0	185	185	0	0	0	0
WIN 1984	0	185	185	0	0	0	0
SPR 1985	0	185	185	0	0	0	0
SUM 1985	0	185	185	0	0	0	0
WIN 1985	0	185	185	0	0	0	0
SPR 1986	0	185	185	0	0	0	0
SUM 1986	0	185	185	0	0	0	0
WIN 1986	0	185	185	0	0	0	0
SPR 1987	0	185	185	0	0	0	0
SUM 1987	0	185	185	0	0	0	0
WIN 1987	0	185	185	0	0	0	0
SPR 1988	0	185	185	0	0	0	0
SUM 1988	0	185	185	0	0	0	0
WIN 1988	0	185	185	0	0	0	0
SPR 1989	0	185	185	0	0	0	0
SUM 1989	0	185	185	0	0	0	0
WIN 1989	0	185	185	0	0	0	0
SPR 1990	0	185	185	0	0	0	0
SUM 1990	0	185	185	0	0	0	0
WIN 1990	0	185	185	0	0	0	0
SPR 1991	0	185	185	0	0	0	0
SUM 1991	0	185	185	0	0	0	0
WIN 1991	0	185	185	0	0	0	0
SPR 1992	0	185	185	0	0	0	0
SUM 1992	0	185	185	0	0	0	0

Entering Dates

Enter the starting year and season for your simulation. The start of the analysis period. (Spring is Mar, Apr, May and Jun.

Summer is Jul, Aug, Sep and Oct. Winter is Nov, Dec, Jan and F. Once you have entered the starting date, push the "UPDATE DATES" button. The date only needs to be updated once, unless the desired time. Modifying the date does not automatically adjust the location of the

Entering Well Locations

Enter the row and column location for the "TO" well in spreadsheet. Enter the row and column location for the "FROM1" well in spreadsheet. Enter the row and column location for the "FROM2" well in spreadsheet. Enter the row and column location for the "FROM3" well in spreadsheet. If the "FROM2" well is not to be modeled, the entered row and column. If the "FROM3" well is not to be modeled, the entered row and column. The "FROM3" well cannot be used if the "FROM2" well is not being

Running the Model

Once the model cells have been specified for the "FROM" and "TO" wells, push the "RUN MODEL" button to generate the response functions. The model needs to be re-run if the locations of the "FROM" and "TO" wells are

Getting the Model Output

Once the model has been run, push the "GET OUTPUT" button to get the model output. This prepares the model output for use for calculations.

Entering water use data

All water use should be entered in units of acre-feet per four months. See the Users Manual for instructions on multiple water rights with different priority dates.

Entering "TO" Well Projected Water Use

Enter the projected water use for the "TO" Well in Column B. "TO" Well should start in the first trimester (4-month period) in which the transfer

Entering "FROM" Well "With Transfer" Use

Enter the "With Transfer" water use for the first "FROM" Well in Column C, the second "FROM" well in Column E, and for the third "FROM" Well in Column G. "With Transfer" water use should reflect historical and projected water use. It should cease or be reduced at the time of the water right transfer.

Entering "FROM" Well "Without Transfer" Use

The "Without Transfer" Use for the "FROM" wells should include historical and projected water use. The projected use should reflect expected pumpage from that well. Enter the "Without Transfer" water use for the first "FROM" Well in Column D, for the second "FROM" well in Column F, and for the third "FROM" Well in Column H. Prior to the expected date of transfer, the "With Transfer" use should

If only one "FROM" well is to be represented, pumpage in column C. If only two "FROM" wells are being represented, pumpage in Columns C and E. Projected water use in the "TO" well and the "FROM" wells will be affected by the river reaches caused by the water right transfer. (See the Users Manual for more information.)

Calculating Effect of the Transfer on River Gains and Losses

After all of the above steps have been completed, the effects of the transfer of the eleven hydraulically connected reaches of the Snake River will be calculated. Push the "CALCULATE EFFECTS" button. This will result in a multiplication of the model runs) times the water use rates entered in the table on the worksheet. After the multiplication has been performed, the spreadsheet will show the net effects on all 11 reaches. Results are also provided on the EFFECTS worksheet. See the Users Manual for more information.

WIN 1992	0	185	185	0	0	0	0
SPR 1993	0	185	185	0	0	0	0
SUM 1993	0	185	185	0	0	0	0
WIN 1993	0	185	185	0	0	0	0
SPR 1994	0	185	185	0	0	0	0
SUM 1994	0	185	185	0	0	0	0
WIN 1994	0	185	185	0	0	0	0
SPR 1995	0	185	185	0	0	0	0
SUM 1995	0	185	185	0	0	0	0
WIN 1995	0	185	185	0	0	0	0
SPR 1996	0	185	185	0	0	0	0
SUM 1996	0	185	185	0	0	0	0
WIN 1996	0	185	185	0	0	0	0
SPR 1997	0	185	185	0	0	0	0
SUM 1997	0	185	185	0	0	0	0
WIN 1997	0	185	185	0	0	0	0
SPR 1998	0	185	185	0	0	0	0
SUM 1998	0	185	185	0	0	0	0
WIN 1998	0	185	185	0	0	0	0
SPR 1999	0	185	185	0	0	0	0
SUM 1999	0	185	185	0	0	0	0
WIN 1999	0	185	185	0	0	0	0
SPR 2000	0	185	185	0	0	0	0
SUM 2000	0	185	185	0	0	0	0
WIN 2000	0	185	185	0	0	0	0
SPR 2001	0	185	185	0	0	0	0
SUM 2001	0	185	185	0	0	0	0
WIN 2001	0	185	185	0	0	0	0
SPR 2002	0	185	185	0	0	0	0
SUM 2002	0	185	185	0	0	0	0
WIN 2002	0	185	185	0	0	0	0
SPR 2003	0	185	185	0	0	0	0
SUM 2003	0	185	185	0	0	0	0
WIN 2003	0	185	185	0	0	0	0
SPR 2004	0	185	185	0	0	0	0
SUM 2004	0	185	185	0	0	0	0
WIN 2004	0	185	185	0	0	0	0
SPR 2005	0	185	185	0	0	0	0
SUM 2005	0	185	185	0	0	0	0
WIN 2005	0	185	185	0	0	0	0
SPR 2006	0	185	185	0	0	0	0
SUM 2006	0	185	185	0	0	0	0
WIN 2006	0	185	185	0	0	0	0
SPR 2007	0	185	185	0	0	0	0
SUM 2007	0	185	185	0	0	0	0
WIN 2007	0	185	185	0	0	0	0
SPR 2008	0	185	185	0	0	0	0
SUM 2008	0	185	185	0	0	0	0
WIN 2008	0	185	185	0	0	0	0
SPR 2009	0	185	185	0	0	0	0
SUM 2009	0	185	185	0	0	0	0
WIN 2009	0	185	185	0	0	0	0
SPR 2010	0	185	185	0	0	0	0
SUM 2010	0	185	185	0	0	0	0
WIN 2010	0	185	185	0	0	0	0
SPR 2011	0	185	185	0	0	0	0
SUM 2011	0	185	185	0	0	0	0
WIN 2011	0	185	185	0	0	0	0
SPR 2012	0	185	185	0	0	0	0
SUM 2012	0	185	185	0	0	0	0
WIN 2012	0	185	185	0	0	0	0
SPR 2013	0	185	185	0	0	0	0
SUM 2013	0	185	185	0	0	0	0
WIN 2013	0	185	185	0	0	0	0
SPR 2014	0	185	185	0	0	0	0
SUM 2014	0	185	185	0	0	0	0
WIN 2014	0	185	185	0	0	0	0
SPR 2015	0	185	185	0	0	0	0
SUM 2015	0	185	185	0	0	0	0
WIN 2015	0	185	185	0	0	0	0
SPR 2016	0	185	185	0	0	0	0
SUM 2016	0	185	185	0	0	0	0
WIN 2016	0	185	185	0	0	0	0
SPR 2017	0	185	185	0	0	0	0
SUM 2017	0	185	185	0	0	0	0
WIN 2017	0	185	185	0	0	0	0
SPR 2018	0	185	185	0	0	0	0
SUM 2018	0	185	185	0	0	0	0
WIN 2018	0	185	185	0	0	0	0
SPR 2019	0	185	185	0	0	0	0
SUM 2019	0	185	185	0	0	0	0
WIN 2019	0	185	185	0	0	0	0
SPR 2020	0	185	185	0	0	0	0
SUM 2020	0	185	185	0	0	0	0
WIN 2020	0	185	185	0	0	0	0
SPR 2021	0	185	185	0	0	0	0
SUM 2021	185	0	185	0	0	0	0
WIN 2021	185	0	185	0	0	0	0
SPR 2022	185	0	185	0	0	0	0
SUM 2022	185	0	185	0	0	0	0
WIN 2022	185	0	185	0	0	0	0
SPR 2023	185	0	185	0	0	0	0
SUM 2023	185	0	185	0	0	0	0
WIN 2023	185	0	185	0	0	0	0
SPR 2024	185	0	185	0	0	0	0
SUM 2024	185	0	185	0	0	0	0
WIN 2024	185	0	185	0	0	0	0
SPR 2025	185	0	185	0	0	0	0
SUM 2025	185	0	185	0	0	0	0
WIN 2025	185	0	185	0	0	0	0
SPR 2026	185	0	185	0	0	0	0
SUM 2026	185	0	185	0	0	0	0
WIN 2026	185	0	185	0	0	0	0
SPR 2027	185	0	185	0	0	0	0
SUM 2027	185	0	185	0	0	0	0
WIN 2027	185	0	185	0	0	0	0
SPR 2028	185	0	185	0	0	0	0
SUM 2028	185	0	185	0	0	0	0
WIN 2028	185	0	185	0	0	0	0
SPR 2029	185	0	185	0	0	0	0
SUM 2029	185	0	185	0	0	0	0
WIN 2029	185	0	185	0	0	0	0
SPR 2030	185	0	185	0	0	0	0
SUM 2030	185	0	185	0	0	0	0

WIN 2030	185	0	185	0	0	0	0
SPR 2031	185	0	185	0	0	0	0
SUM 2031	185	0	185	0	0	0	0
WIN 2031	185	0	185	0	0	0	0
SPR 2032	185	0	185	0	0	0	0
SUM 2032	185	0	185	0	0	0	0
WIN 2032	185	0	185	0	0	0	0
SPR 2033	185	0	185	0	0	0	0
SUM 2033	185	0	185	0	0	0	0
WIN 2033	185	0	185	0	0	0	0
SPR 2034	185	0	185	0	0	0	0
SUM 2034	185	0	185	0	0	0	0
WIN 2034	185	0	185	0	0	0	0
SPR 2035	185	0	185	0	0	0	0
SUM 2035	185	0	185	0	0	0	0
WIN 2035	185	0	185	0	0	0	0
SPR 2036	185	0	185	0	0	0	0
SUM 2036	185	0	185	0	0	0	0
WIN 2036	185	0	185	0	0	0	0
SPR 2037	185	0	185	0	0	0	0
SUM 2037	185	0	185	0	0	0	0
WIN 2037	185	0	185	0	0	0	0
SPR 2038	185	0	185	0	0	0	0
SUM 2038	185	0	185	0	0	0	0
WIN 2038	185	0	185	0	0	0	0
SPR 2039	185	0	185	0	0	0	0
SUM 2039	185	0	185	0	0	0	0
WIN 2039	185	0	185	0	0	0	0
SPR 2040	185	0	185	0	0	0	0
SUM 2040	185	0	185	0	0	0	0
WIN 2040	185	0	185	0	0	0	0
SPR 2041	185	0	185	0	0	0	0
SUM 2041	185	0	185	0	0	0	0
WIN 2041	185	0	185	0	0	0	0
SPR 2042	185	0	185	0	0	0	0
SUM 2042	185	0	185	0	0	0	0
WIN 2042	185	0	185	0	0	0	0
SPR 2043	185	0	185	0	0	0	0
SUM 2043	185	0	185	0	0	0	0
WIN 2043	185	0	185	0	0	0	0
SPR 2044	185	0	185	0	0	0	0
SUM 2044	185	0	185	0	0	0	0
WIN 2044	185	0	185	0	0	0	0
SPR 2045	185	0	185	0	0	0	0
SUM 2045	185	0	185	0	0	0	0
WIN 2045	185	0	185	0	0	0	0
SPR 2046	185	0	185	0	0	0	0
SUM 2046	185	0	185	0	0	0	0
WIN 2046	185	0	185	0	0	0	0
SPR 2047	185	0	185	0	0	0	0
SUM 2047	185	0	185	0	0	0	0
WIN 2047	185	0	185	0	0	0	0
SPR 2048	185	0	185	0	0	0	0
SUM 2048	185	0	185	0	0	0	0
WIN 2048	185	0	185	0	0	0	0
SPR 2049	185	0	185	0	0	0	0
SUM 2049	185	0	185	0	0	0	0
WIN 2049	185	0	185	0	0	0	0
SPR 2050	185	0	185	0	0	0	0
SUM 2050	185	0	185	0	0	0	0
WIN 2050	185	0	185	0	0	0	0
SPR 2051	185	0	185	0	0	0	0
SUM 2051	185	0	185	0	0	0	0
WIN 2051	185	0	185	0	0	0	0
SPR 2052	185	0	185	0	0	0	0
SUM 2052	185	0	185	0	0	0	0
WIN 2052	185	0	185	0	0	0	0
SPR 2053	185	0	185	0	0	0	0
SUM 2053	185	0	185	0	0	0	0
WIN 2053	185	0	185	0	0	0	0
SPR 2054	185	0	185	0	0	0	0
SUM 2054	185	0	185	0	0	0	0
WIN 2054	185	0	185	0	0	0	0
SPR 2055	185	0	185	0	0	0	0
SUM 2055	185	0	185	0	0	0	0
WIN 2055	185	0	185	0	0	0	0
SPR 2056	185	0	185	0	0	0	0
SUM 2056	185	0	185	0	0	0	0
WIN 2056	185	0	185	0	0	0	0
SPR 2057	185	0	185	0	0	0	0
SUM 2057	185	0	185	0	0	0	0
WIN 2057	185	0	185	0	0	0	0
SPR 2058	185	0	185	0	0	0	0
SUM 2058	185	0	185	0	0	0	0
WIN 2058	185	0	185	0	0	0	0
SPR 2059	185	0	185	0	0	0	0
SUM 2059	185	0	185	0	0	0	0
WIN 2059	185	0	185	0	0	0	0
SPR 2060	185	0	185	0	0	0	0
SUM 2060	185	0	185	0	0	0	0
WIN 2060	185	0	185	0	0	0	0
SPR 2061	185	0	185	0	0	0	0
SUM 2061	185	0	185	0	0	0	0
WIN 2061	185	0	185	0	0	0	0
SPR 2062	185	0	185	0	0	0	0
SUM 2062	185	0	185	0	0	0	0
WIN 2062	185	0	185	0	0	0	0
SPR 2063	185	0	185	0	0	0	0
SUM 2063	185	0	185	0	0	0	0
WIN 2063	185	0	185	0	0	0	0
SPR 2064	185	0	185	0	0	0	0
SUM 2064	185	0	185	0	0	0	0
WIN 2064	185	0	185	0	0	0	0
SPR 2065	185	0	185	0	0	0	0
SUM 2065	185	0	185	0	0	0	0
WIN 2065	185	0	185	0	0	0	0
SPR 2066	185	0	185	0	0	0	0
SUM 2066	185	0	185	0	0	0	0
WIN 2066	185	0	185	0	0	0	0
SPR 2067	185	0	185	0	0	0	0
SUM 2067	185	0	185	0	0	0	0
WIN 2067	185	0	185	0	0	0	0
SPR 2068	185	0	185	0	0	0	0
SUM 2068	185	0	185	0	0	0	0

WIN 2068	185	0	185	0	0	0	0
SPR 2069	185	0	185	0	0	0	0
SUM 2069	185	0	185	0	0	0	0
WIN 2069	185	0	185	0	0	0	0
SPR 2070	185	0	185	0	0	0	0
SUM 2070	185	0	185	0	0	0	0
WIN 2070	185	0	185	0	0	0	0
SPR 2071	185	0	185	0	0	0	0
SUM 2071	185	0	185	0	0	0	0
WIN 2071	185	0	185	0	0	0	0
SPR 2072	185	0	185	0	0	0	0
SUM 2072	185	0	185	0	0	0	0
WIN 2072	185	0	185	0	0	0	0
SPR 2073	185	0	185	0	0	0	0
SUM 2073	185	0	185	0	0	0	0
WIN 2073	185	0	185	0	0	0	0
SPR 2074	185	0	185	0	0	0	0
SUM 2074	185	0	185	0	0	0	0
WIN 2074	185	0	185	0	0	0	0
SPR 2075	185	0	185	0	0	0	0
SUM 2075	185	0	185	0	0	0	0
WIN 2075	185	0	185	0	0	0	0
SPR 2076	185	0	185	0	0	0	0
SUM 2076	185	0	185	0	0	0	0
WIN 2076	185	0	185	0	0	0	0
SPR 2077	185	0	185	0	0	0	0
SUM 2077	185	0	185	0	0	0	0
WIN 2077	185	0	185	0	0	0	0
SPR 2078	185	0	185	0	0	0	0
SUM 2078	185	0	185	0	0	0	0
WIN 2078	185	0	185	0	0	0	0
SPR 2079	185	0	185	0	0	0	0
SUM 2079	185	0	185	0	0	0	0
WIN 2079	185	0	185	0	0	0	0
SPR 2080	185	0	185	0	0	0	0
SUM 2080	185	0	185	0	0	0	0
WIN 2080	185	0	185	0	0	0	0
SPR 2081	185	0	185	0	0	0	0
SUM 2081	185	0	185	0	0	0	0
WIN 2081	185	0	185	0	0	0	0
SPR 2082	185	0	185	0	0	0	0
SUM 2082	185	0	185	0	0	0	0
WIN 2082	185	0	185	0	0	0	0
SPR 2083	185	0	185	0	0	0	0
SUM 2083	185	0	185	0	0	0	0
WIN 2083	185	0	185	0	0	0	0
SPR 2084	185	0	185	0	0	0	0
SUM 2084	185	0	185	0	0	0	0
WIN 2084	185	0	185	0	0	0	0
SPR 2085	185	0	185	0	0	0	0
SUM 2085	185	0	185	0	0	0	0
WIN 2085	185	0	185	0	0	0	0
SPR 2086	185	0	185	0	0	0	0
SUM 2086	185	0	185	0	0	0	0
WIN 2086	185	0	185	0	0	0	0
SPR 2087	185	0	185	0	0	0	0
SUM 2087	185	0	185	0	0	0	0
WIN 2087	185	0	185	0	0	0	0
SPR 2088	185	0	185	0	0	0	0
SUM 2088	185	0	185	0	0	0	0
WIN 2088	185	0	185	0	0	0	0
SPR 2089	185	0	185	0	0	0	0
SUM 2089	185	0	185	0	0	0	0
WIN 2089	185	0	185	0	0	0	0
SPR 2090	185	0	185	0	0	0	0
SUM 2090	185	0	185	0	0	0	0
WIN 2090	185	0	185	0	0	0	0
SPR 2091	185	0	185	0	0	0	0
SUM 2091	185	0	185	0	0	0	0
WIN 2091	185	0	185	0	0	0	0
SPR 2092	185	0	185	0	0	0	0
SUM 2092	185	0	185	0	0	0	0
WIN 2092	185	0	185	0	0	0	0
SPR 2093	185	0	185	0	0	0	0
SUM 2093	185	0	185	0	0	0	0
WIN 2093	185	0	185	0	0	0	0
SPR 2094	185	0	185	0	0	0	0
SUM 2094	185	0	185	0	0	0	0
WIN 2094	185	0	185	0	0	0	0
SPR 2095	185	0	185	0	0	0	0
SUM 2095	185	0	185	0	0	0	0
WIN 2095	185	0	185	0	0	0	0
SPR 2096	185	0	185	0	0	0	0
SUM 2096	185	0	185	0	0	0	0
WIN 2096	185	0	185	0	0	0	0
SPR 2097	185	0	185	0	0	0	0
SUM 2097	185	0	185	0	0	0	0
WIN 2097	185	0	185	0	0	0	0
SPR 2098	185	0	185	0	0	0	0
SUM 2098	185	0	185	0	0	0	0
WIN 2098	185	0	185	0	0	0	0
SPR 2099	185	0	185	0	0	0	0
SUM 2099	185	0	185	0	0	0	0
WIN 2099	185	0	185	0	0	0	0
SPR 2100	185	0	185	0	0	0	0
SUM 2100	185	0	185	0	0	0	0
WIN 2100	185	0	185	0	0	0	0
SPR 2101	185	0	185	0	0	0	0
SUM 2101	185	0	185	0	0	0	0
WIN 2101	185	0	185	0	0	0	0
SPR 2102	185	0	185	0	0	0	0
SUM 2102	185	0	185	0	0	0	0
WIN 2102	185	0	185	0	0	0	0
SPR 2103	185	0	185	0	0	0	0
SUM 2103	185	0	185	0	0	0	0
WIN 2103	185	0	185	0	0	0	0
SPR 2104	185	0	185	0	0	0	0
SUM 2104	185	0	185	0	0	0	0
WIN 2104	185	0	185	0	0	0	0
SPR 2105	185	0	185	0	0	0	0
SUM 2105	185	0	185	0	0	0	0
WIN 2105	185	0	185	0	0	0	0
SPR 2106	185	0	185	0	0	0	0
SUM 2106	185	0	185	0	0	0	0

WIN 2106	185	0	185	0	0	0	0
SPR 2107	185	0	185	0	0	0	0
SUM 2107	185	0	185	0	0	0	0
WIN 2107	185	0	185	0	0	0	0
SPR 2108	185	0	185	0	0	0	0
SUM 2108	185	0	185	0	0	0	0
WIN 2108	185	0	185	0	0	0	0
SPR 2109	185	0	185	0	0	0	0
SUM 2109	185	0	185	0	0	0	0
WIN 2109	185	0	185	0	0	0	0
SPR 2110	185	0	185	0	0	0	0
SUM 2110	185	0	185	0	0	0	0
WIN 2110	185	0	185	0	0	0	0
SPR 2111	185	0	185	0	0	0	0
SUM 2111	185	0	185	0	0	0	0
WIN 2111	185	0	185	0	0	0	0
SPR 2112	185	0	185	0	0	0	0
SUM 2112	185	0	185	0	0	0	0
WIN 2112	185	0	185	0	0	0	0
SPR 2113	185	0	185	0	0	0	0
SUM 2113	185	0	185	0	0	0	0
WIN 2113	185	0	185	0	0	0	0
SPR 2114	185	0	185	0	0	0	0
SUM 2114	185	0	185	0	0	0	0
WIN 2114	185	0	185	0	0	0	0
SPR 2115	185	0	185	0	0	0	0
SUM 2115	185	0	185	0	0	0	0
WIN 2115	185	0	185	0	0	0	0
SPR 2116	185	0	185	0	0	0	0

ESPA Ground Water Rights Transfer Spreadsheet Data Summary

TRANSFER NO: TBD
 TRANSFER NAME: Riverbend Management
 PREPARED BY: Peter Vidmar
 DATE: 11-Jan-21
 Transfer Tool Version: Version 3.2

BLUE CELLS ARE SET UP FOR
 USER INPUTS

WATER RIGHTS INVOLVED:

Group 1 Transfer Rights		Group 2 Additional Mitigation Rights	
Right No.	Priority Date	Right No.	Priority Date
35-2797	10/27/1968		

HISTORIC BENEFICIAL USE:

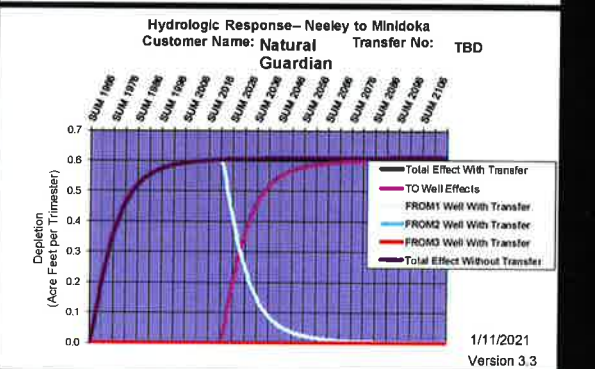
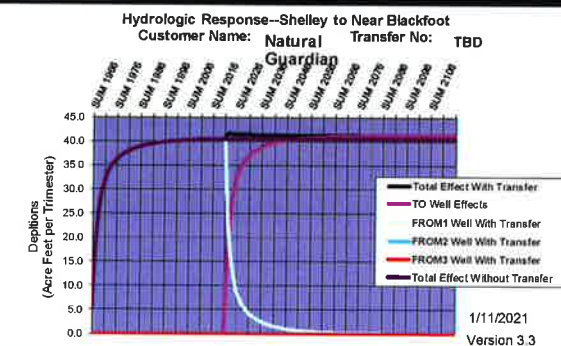
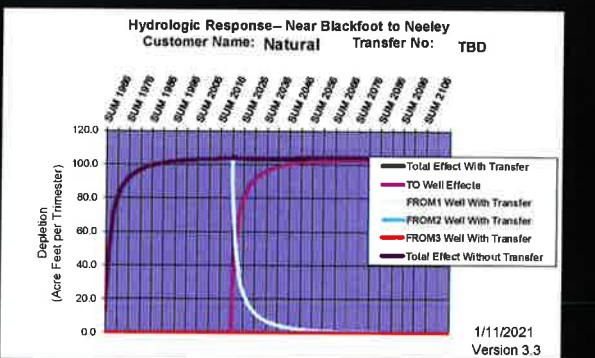
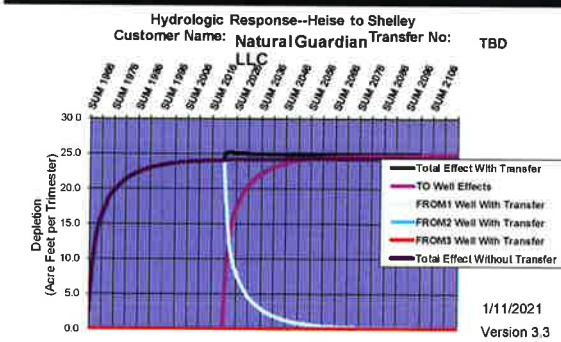
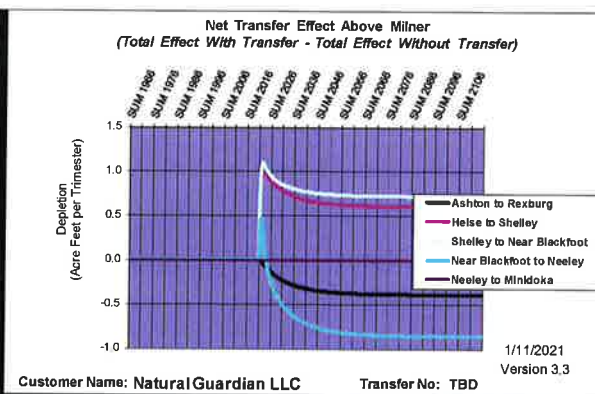
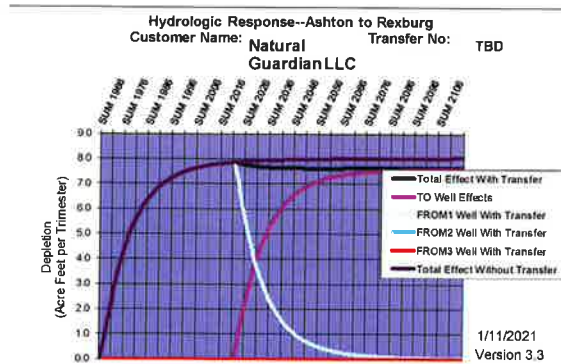
Trans/Mit. Rights (group no.)	Acres to Dry Up (ac)	Beneficial Use (af/yr)	Total (af/yr)
35-2797	287	553.9	553.9

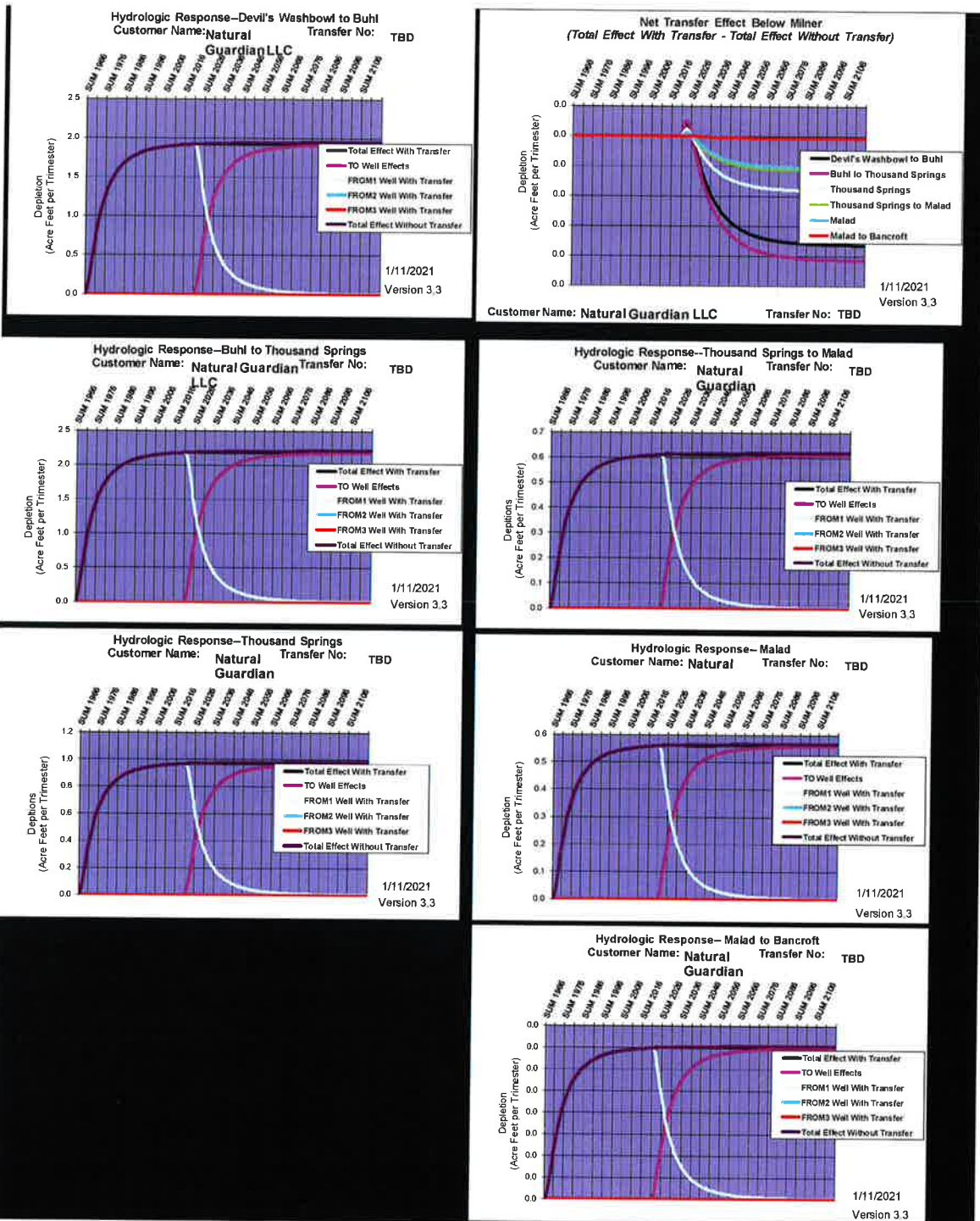
MITIGATION NOTES:

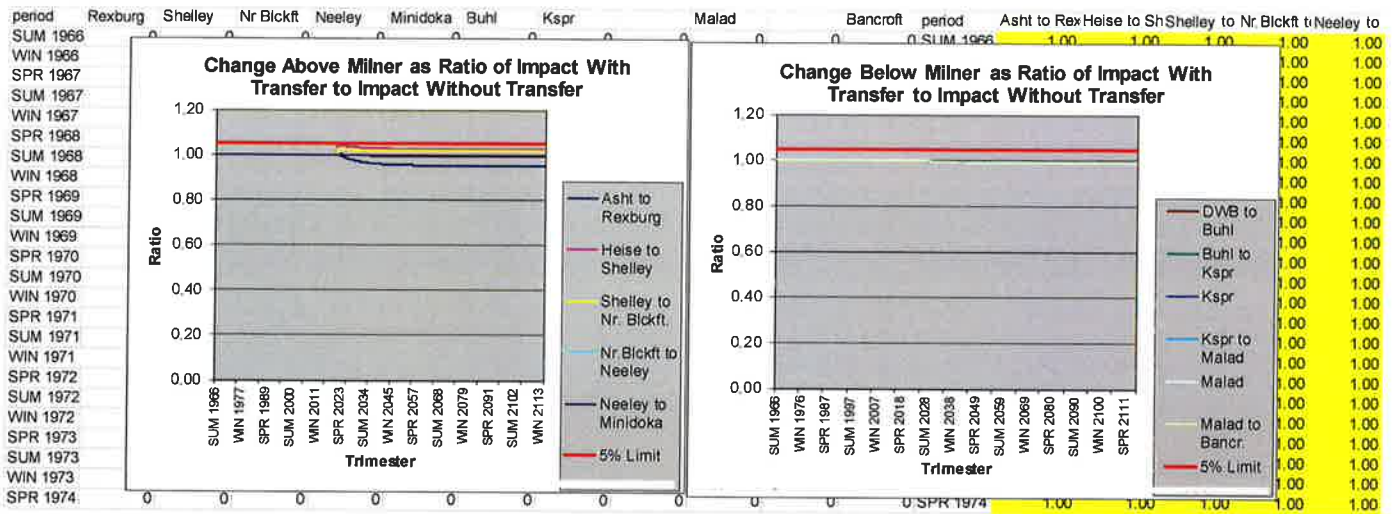
MODEL CELL LOCATIONS:

	TO WELL	FROM1 WELL	FROM2 WELL	FROM3 WELL
ROW	69	66	0	0
COLUMN	153	151	0	0

	Start Date		End Date		Water Use		Acres Authorized (acres)	Notes
	Season	Year	Season	Year	Annual (af/yr)	Trimester (af/trimester)		
TO Well (Projected Use)	Summer	2021	Spring	2116	553.9	184.5	287.0	
FROM1 Well (With Transfer)	Summer	1968	Spring	2021	553.9	184.5	287.0	
FROM1 Well (Without Transfer)	Summer	1968	Spring	2116	553.9	184.5	287.0	
FROM2 Well (With Transfer)								
FROM2 Well (Without Transfer)								
FROM3 Well (With Transfer)								
FROM3 Well (Without Transfer)								







Enter First Time Step of Transfer: **SUM 2021**

Match: 100

Match: 400

	AIR	HRS	SINB	NINB	NIM	OWB	BIT S	T S	T S IM	M	MIB	Total	
Preexisting Effects @ SS (Last Time Step)	8.03	24.27	40.61	104.11	0.61	1.95	2.21	0.98	0.62	0.57	0.04	184.00	Total Effects without Transfer - Last Time Step
Steady State - Value of Dep. @ Last Time Step	7.64	24.88	41.33	103.25	0.61	1.93	2.19	0.97	0.61	0.56	0.04	184.01	Total Effects with Transfer - Last Time Step
Preexisting Effects @ Transient State (Max Value Time Step)	8.03	24.27	40.61	104.11	0.61	1.95	2.21	0.98	0.62	0.57	0.04	184.00	Total Effects without Transfer - Complete to Max Value from Total Effects with Transfer
Transient State - Max Value of Dep. After Transfer	7.86	25.11	41.50	104.13	0.61	1.93	2.19	0.97	0.61	0.56	0.04	185.57	Total Effects with Transfer - Max Value from Start of Transfer to Last Time Step
Steady State Change	-0.38	0.61	0.72	-0.88	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	0.00		
Transient State Change	-0.17	0.84	0.89	0.02	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	0.00		

Mitigation Analysis Period

Transfer

One-Way Analysis of Independent Transfers

Irrigation Transfer

WR No.	Div. Rate (CFS)	Con. Vol (AF)	No. of Ir. Acres	Priority Date	POD Location	Dedicated Vol AF/ AFT	Model Node
Transfer 1: Proposed Steady State Impacts following Transfer							
???	???	0.0	0.0	1/1/1990	0	0	0.0
???	???	0	0	1/1/1990	0	0	0.0
Transfer 1: Worst Case Transient State Impacts following Transfer							
???	???	0	0	1/1/1990	0	0	0.0
???	???	0	0	1/1/1990	0	0	0.0

Impact by Reach (AF/Trimester)

Ashton to Rexburg	Hesse to Shelley	Shelley to N. Bickel	N. Bickel to Neeley	Neeley to Mindoka	Der. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft
8.03	24.27	40.61	104.11	0.61	1.65	2.21	0.98	0.62	0.57	0.04
7.64	24.88	41.33	103.25	0.61	1.93	2.19	0.97	0.61	0.56	0.04
8.03	24.27	40.61	104.11	0.61	1.65	2.21	0.98	0.62	0.57	0.04
7.86	25.11	41.58	104.13	0.61	1.93	2.19	0.97	0.61	0.56	0.04

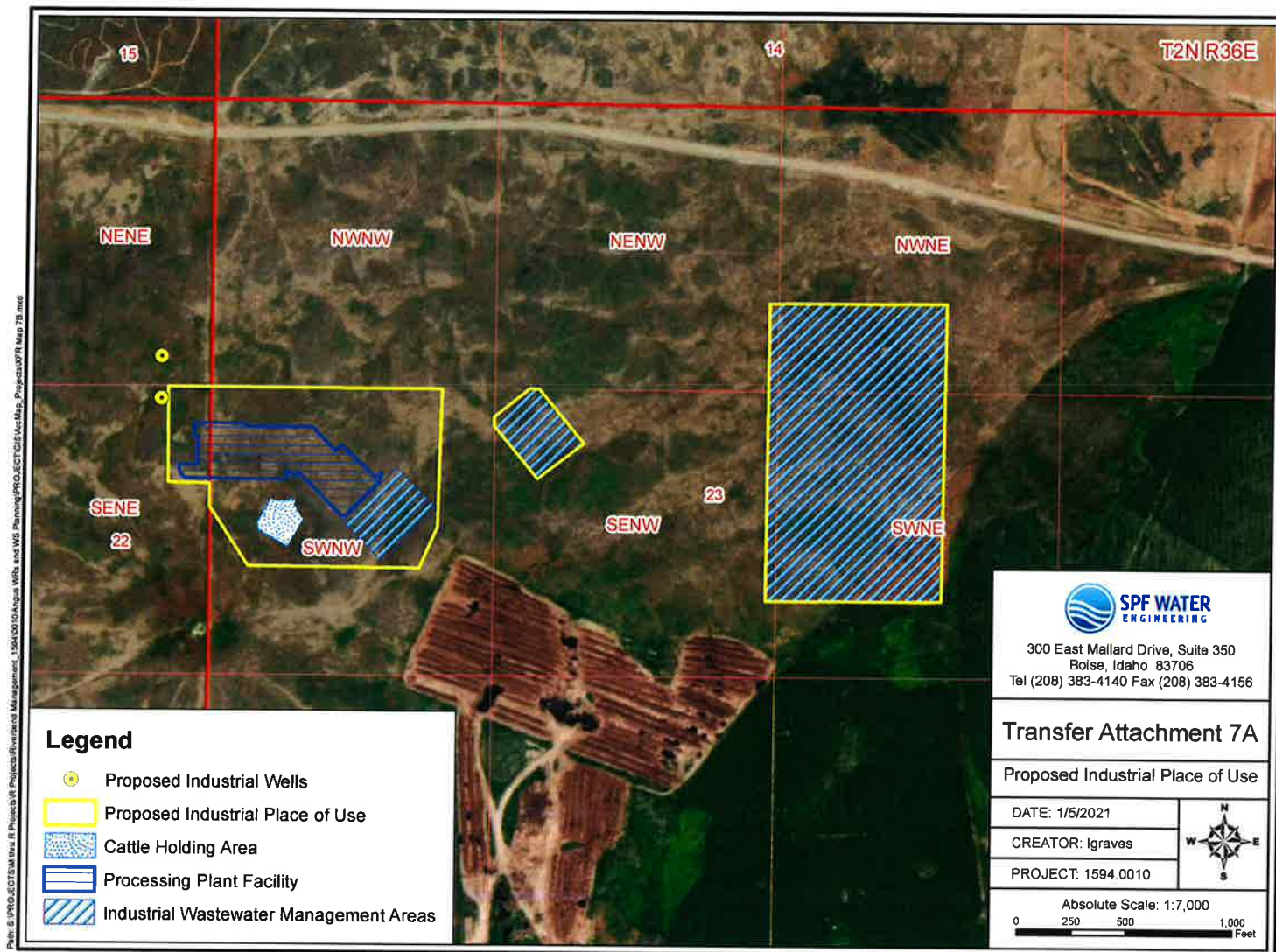
Steady State Analysis

Mitigation Check 1 - >10% of Historical	-4.9%	2.5%	1.6%	-0.5%	-0.9%	-0.9%	-0.9%	-0.9%	-0.9%	-0.9%
Mitigation Check 2 - > 2 AFT	-0.4	0.6	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Check 3 - >10% of Total	4.2%	13.5%	22.9%	58.1%	0.3%	1.0%	1.2%	0.6%	0.3%	0.0%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft)	-0.4	0.6	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	0.0

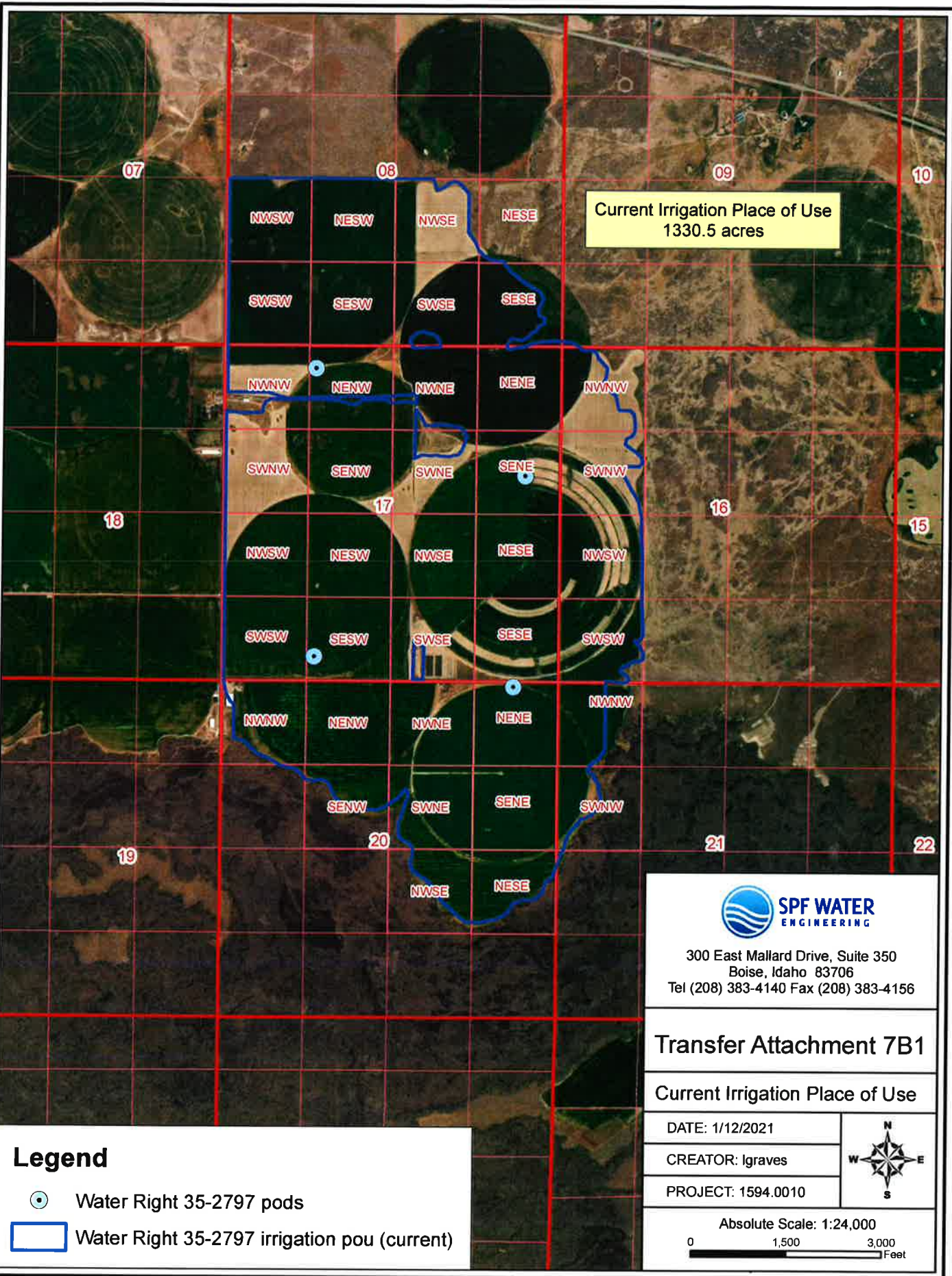
Transient State Analysis

Mitigation Check 1 - >10% of Historical	-2.2%	3.5%	2.3%	0.0%	-0.9%	-0.9%	-0.9%	-0.9%	-0.9%	-0.9%
Mitigation Check 2 - > 2.01 AFT	-0.2	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft)	-0.2	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Read Me



Path: S:\PROJECTS\1594\0010 Angus WRs and WS Planning\PROJECT\GIS\WorkMap_Productions\Map 7B1.mxd



Legend

-  Water Right 35-2797 pods
-  Water Right 35-2797 irrigation pou (current)

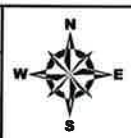


300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

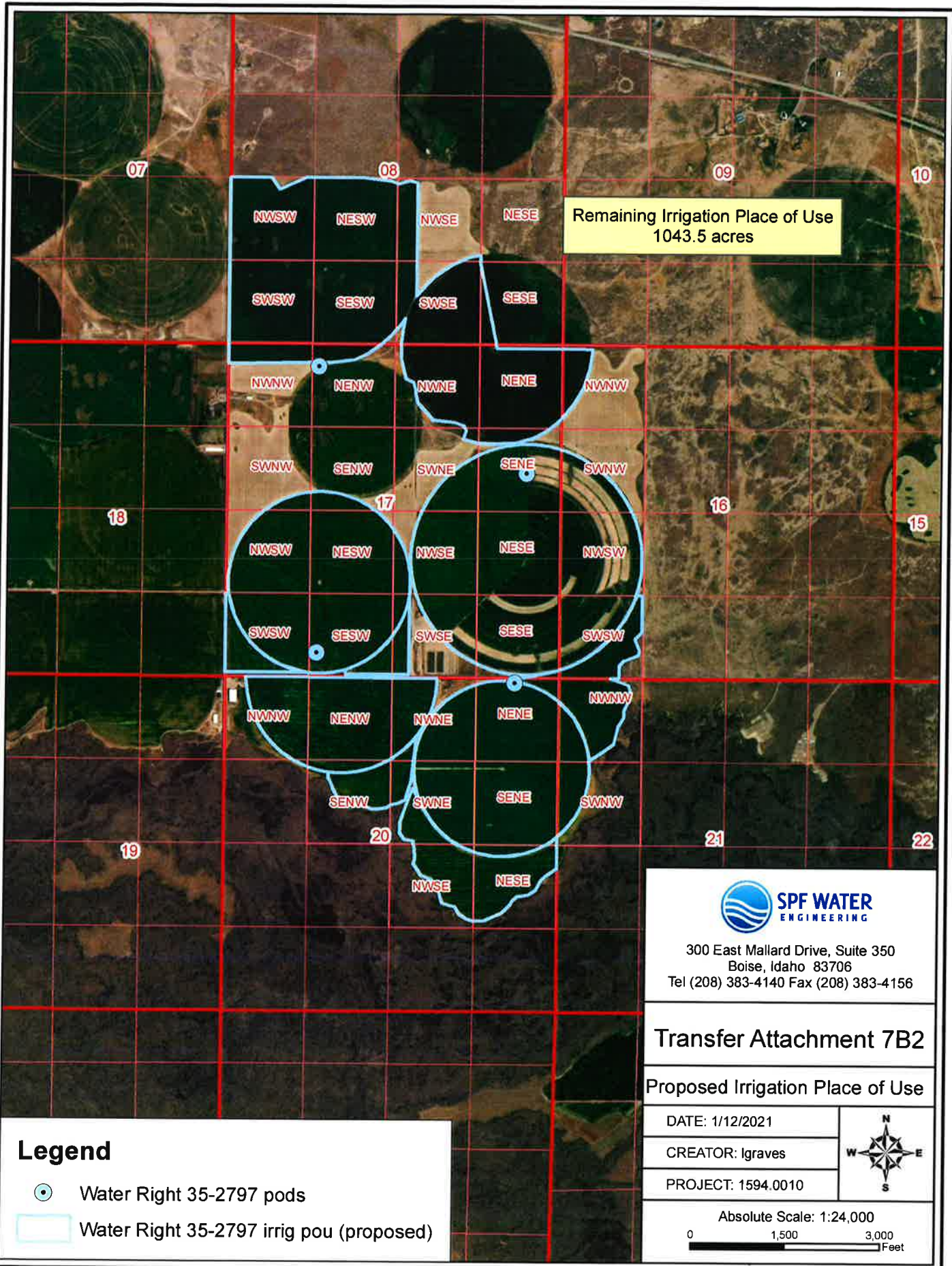
Transfer Attachment 7B1

Current Irrigation Place of Use

DATE: 1/12/2021
CREATOR: Igraves
PROJECT: 1594.0010



Absolute Scale: 1:24,000
0 1,500 3,000 Feet



Remaining Irrigation Place of Use
1043.5 acres



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Transfer Attachment 7B2

Proposed Irrigation Place of Use

DATE: 1/12/2021

CREATOR: Igraves

PROJECT: 1594.0010



Absolute Scale: 1:24,000

0 1,500 3,000 Feet

Legend

- ☒ Water Right 35-2797 pods
- ☐ Water Right 35-2797 irrig pou (proposed)

Attachment 8A – Water Balance

Industrial Water Demand Estimate

Industrial use is proposed for a meat packing facility that will process up to 600 cattle per day. The annual water demand for 600 head is estimated to be 383 af based on 800 gallons per day, 260 operating days, and 270,000 gpd on non-operating days. Allowing for contingency, a total annual volume for industrial use of 545 af is proposed.

Conversion of Water Right from Irrigation to Industrial Use

Because IDWR considers industrial use to be fully consumptive, to prevent enlargement when changing the nature of use of a right from irrigation to industrial, IDWR policy is to reduce the allowable diversion volume to the maximum consumptive use under the irrigation water right within the previous five-year period.

Table 1 provides an estimate of consumptive use on the property irrigated under water rights 35-2797 from 2015 to 2019. Consumptive use is estimated based on the crops grown on the farm as reported to the USDA FSA, and precipitation deficit (Pdef) for each crop. Pdef values are obtained from the ET Idaho website using the Jerome weather station. Annual groundwater diversion volumes for the property, available from IDWR's WMIS database, are also provided in Table 1.

Table 1. Consumptive use estimates and diversion volumes

Crop	Growing Season			Water Right 35-2797 (Tract 3613)									
	Precipitation Deficit			2019		2018		2017		2016		2015	
	mm	in	ft	acres	Pdef (af)	acres	Pdef (af)	acres	Pdef (af)	acres	Pdef (af)	acres	Pdef (af)
barley (spring)	647	25.5	2.12	739.4	1570.8	427.2	907.5	465.9	989.7	646.6	1373.7	449.5	954.9
field corn	516	20.3	1.69	0.0	0.0	12.2	20.6	0.0	0.0	0.0	0.0	86.4	146.3
mixed forage	629	24.8	2.07	0.0	0.0	158.9	328.2	0.0	0.0	0.0	0.0	383.4	791.8
grass (turf sod)	776	30.6	2.55	0.0	0.0	246.3	627.5	246.3	627.5	246.3	627.5	246.3	627.5
potatoes (late)	506	19.9	1.66	86.4	143.5	155.5	258.3	140.1	232.8	247.3	410.8	155.5	258.3
alfalfa (freq)	788	31.0	2.59	339.8	879.1	180.8	467.9	180.8	467.9	180.8	467.9	0.0	0.0
wheat (spring)	647	25.5	2.12	155.5	330.3	140.1	297.7	287.9	611.6	0.0	0.0	0.0	0.0
fallow	0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL				1321.0	2923.6	1321.0	2907.7	1321.0	2929.5	1321.0	2879.9	1321.0	2778.8
Pdef over 1330.5 ac limit (af/ac)				2.20		2.19		2.20		2.16		2.09	
Pdef over reported irrigated area (af/ac)				2.21		2.20		2.22		2.18		2.10	
Annual diversion volume from WMIS (af)				2080.6		2569.4		2512.6		3126.1		3181.3	
Volume over 1330.5 ac irrigated area (af/ac)				1.56		1.93		1.89		2.35		2.39	
Volume over reported irrigated area (af/ac)				1.58		1.95		1.90		2.37		2.41	
Irrigation efficiency (%)				141%		113%		117%		92%		87%	
Use based on 80% irrigation efficiency (af/ac)				1.26		1.56		1.52		1.89		1.93	
BJGWD af/ac limit								1.64					

Inspection of Table 1 shows that the maximum diversion volume occurred in 2015. The calculated Pdef over the irrigated area (2.10 af/ac) and the diversion volume (2.41 af/ac) result in an unrealistic irrigation efficiency of 87%. It is likely that the consumptive use was less than predicted by the Pdef values if the crop was not fully watered. Assuming an irrigation efficiency of 80% for primarily center pivot irrigation on the farm, and a diversion rate of 2.41 af/ac, a better estimate for actual consumptive use is 1.93 af/ac over the 1321 irrigated area in 2015.

A transfer of 553.9 af to industrial use at a rate of 1.93 af/ac is proposed resulting in 5.35 cfs (2400 gpm), 287 acres, and 1148 af changed to industrial use to cover the processing plant's annual industrial needs. Place of use will be the proposed processing plant site. Season of use will be changed to year-round.

An ESPA Transfer Spreadsheet model analysis is included as Transfer Attachment No. 5.





January 22, 2021

Mike Holliday, Eastern Region
Idaho Department of Water Resources
900 N Skyline Dr, Ste A
Idaho Falls, ID 83402-1718

Subject: Application for Transfer – Natural Guardian LLC

Dear Mike:

On behalf of Natural Guardian LLC, enclosed please find an *Application for Transfer of Water Right*. The application proposes to retire 287 acres of irrigation and change the associated 5.35 cfs portion of water right 35-2797 from irrigation to industrial use. Based on an analysis of historical use, the volume proposed for industrial use is 553.9 acre feet (1.93 af/ac). Points of diversion will be two new wells. An ETRANS analysis is included as Transfer Attachment No. 5.

A check for \$1,150 is enclosed to cover the application filing fee, which accounts for \$900 required for transfer of 5.35 cfs and \$250 required to change nature of use from irrigation to industrial use.

Please contact me with any questions or if you need additional information. We appreciate your assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jason Thompson", is written over a light blue circular stamp.

Jason Thompson, P.E.

Enclosure: Transfer application and filing fee

Cc: Duston Barton, Riverbend Management



State of Idaho

DEPARTMENT OF WATER RESOURCES

EASTERN Region • 900 N SKYLINE DR STE A • IDAHO FALLS, ID 83402-1718

Phone: (208)525-7161 • Fax: (208)525-7177 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

February 3, 2021

NATURAL GUARDIAN LLC
PO BOX 50277
IDAHO FALLS, ID 83405-0277

RE: Transfer No. 84663
Water Right No(s). 35-2797

Dear Applicant(s):

The Department of Water Resources has received your water right transfer application. Please refer to the transfer number referenced above in all future correspondence regarding this transfer.

A legal notice of the application has been prepared and is scheduled for publication in the POST REGISTER on 2/10/2021 and 2/17/2021. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the approval document.

Please contact this office if you have any questions regarding the application.

Sincerely,

Christina Henman
Administrative Assistant

CC:
SPF WATER ENGINEERING LLC
C/O LORI GRAVES
300 E MALLARD DR STE 350
BOISE, ID 83706-6660

Henman, Christina

From: Henman, Christina
Sent: Wednesday, February 03, 2021 2:08 PM
To: Jordan, Blake
Subject: Application for Transfer No. 84663
Attachments: RecommendationForm Transfer34.docx

Watermaster:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from you regarding the above referenced water right application. You can find a copy of the application at: <https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>. Please review the application, then complete the enclosed recommendation form and return it to this office within 21 Days of the date of this letter.

If the application is approved, IDWR will include appropriate standard conditions of approval for a water right located within a water district, such as regulation by the watermaster, lockable controlling works, and/or measuring devices. Any special conditions or other concerns you have related to this application should be specifically addressed in your recommendation.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Your prompt response to this request will ensure that your recommendation can be considered. If IDWR has not received your written recommendation within 21 Days from the date of this letter, IDWR will presume that you do not oppose approval of the application and that you have no comments for IDWR to consider.

Please contact this office if you have any questions regarding the application.

Henman, Christina

From: Henman, Christina
Sent: Wednesday, February 03, 2021 2:26 PM
To: 'Taylor Winger'
Subject: Legal Notice for Post Register
Attachments: 84663 Post Register.docx

LEGAL NOTICE DEPARTMENT
POST REGISTER
PO BOX 1800
IDAHO FALLS, ID 83403-1800

RE: Transfer No. 84663
Water Right No(s). 35-2797

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 3/1/2021. Your cooperation is appreciated.

Thank You,

Christina Henman
Administrative Assistant
Idaho Dept. of Water Resources, Eastern Region
900 N Skyline Ste. A
Idaho Falls, ID 83402
Phone: (208) 497-3793

NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 84663

NATURAL GUARDIAN LLC, PO BOX 50277, IDAHO FALLS, ID 83405-0277 has filed Application No. 84663 for changes to the following water rights within BONNEVILLE County(s): Right No(s). 35-2797; to see a full description of these rights and the proposed transfer, please see <https://research.idwr.idaho.gov/apps/waterrights/querynewtransfers>. The purpose of the transfer is to change a portion of the above rights as follows: change point of diversion, place of use, period of use, and nature of use. The proposed points of diversion are in NENE and SENE Sec 22 T02N R36E for 5.35 cfs from Ground water. The proposed place of use is in NWNE, SWNE, NENW, SWNW, and SENW Sec 23, and SENE Sec 22, T02N R36E. The proposed nature of use is for Industrial purposes from 1/1 to 12/31.

For additional information concerning the property location, contact Eastern Region office at (208)525-7161. Protests may be submitted based on the criteria of Idaho Code Sec. 42-222. Any protest against the proposed change must be filed with the Department of Water Resources, Eastern Region, 900 N SKYLINE DR STE A, IDAHO FALLS ID 83402-1718 together with a protest fee of \$25.00 for each application on or before 3/1/2021. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 2/10/2021 and 2/17/2021