

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 77928
RECEIVED
MAY 10 2012
Department of Water Resources
Eastern Region

**APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1**

Name of Applicant(s) Melvin Marx Hintze^e or Darla Ann Hintze Phone 208 588.2228
Mailing address Rt 1 Box 14 Mackay, ID 83251 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 _____ Phone _____
Mailing address _____ Email _____

- ☐ 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.

Melvin Marx Hintze
Signature of Applicant or Authorized Representative

Melvin Marx Hintze 10 May 2012
Print Name and Title if applicable 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 application will combine the place of use, add one Ground water point of diversion to 34-7194, add one Surface water point of diversion to all surface water rights. In addition the application will change the period and nature of use on small portion of Ground water to cover a pond, by drying up acreage.

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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					
☒ ☐	34-42A	1.80 CFS	IRRIGATION	05/01 to 10/15	BIG LOST RIVER
☒ ☐	34-452A	1.40 CFS	IRRIGATION	05/01 to 10/15	BIG LOST RIVER
☒ ☐	34-2300	1.20 CFS	IRRIGATION	05/01 to 10/15	BIG LOST RIVER
☒ ☐	34-7194	3.124 CFS	IRRIGATION	04/01 to 11/01	GROUND WATER
☒ ☐	34-13761	.17 CFS	IRRIGATION	04/01 to 10/31	GROUND WATER
☐ ☐		1.35 AC-FT	REC/FISH STORAGE	01/01 to 12/31	GROUND WATER
☐ ☐		.02 CFS	Diversion to storage	01/01 to 12/31	GROUND WATER
☒ ☐	34-14342	.02 CFS	IRRIGATION	04/01 to 10/31	GROUND WATER
☐ ☐				to	

Total authorized under rights 4.85 cfs and/or _____ ac-ft

2. Total amount of water proposed to be transferred or changed .56 cubic feet per second and/or _____ acre-feet per annum.

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 #
X			NW	NW	34	07N	24E	CUSTER	BIG LOST	Burnett/Vaught Ditch
			SE	SW	20	07N	24E	CUSTER	BIG LOST	SWAUGER DITCH
X		SW	NE	SW	35	07N	24E	CUSTER	GROUND WATER	SUMP WELL
		NW	SW	SE	26	07N	24E	CUSTER	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	
07N	24E	26															35.6	36	71.6
07N	24E	35		40	39.2						16.8								96
07N	24E	35									R/F								

Total Acres (for irrigation use) 167.6

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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: _____

Surface water runs through the Swauger ditch to a circle, and handlines, a portion of the surface water will come through the vaught ditch to the pond, pump and sprinklers. The ground water wells in Sec 26 SWSE quarter and Sec 35 NESW quarter are connected by a mainline and irrigate through sprinklers.

- b. Who owns the property at the point(s) of diversion? GW - 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: Not Applicable

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

This application combines the place of use to cover current irrigation practices. In order to now use a portion of water for the pond, two acres under irrigation for water right 34-13761 will be dried up.

- e. 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:

- f. 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: _____

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Question #3:

34-42A, 34-452A, 34-2300

POD = T07N, R24E, Sec 34, NWNW – Burnett Ditch

POD = T07N, R24E, Sec 20, SESW – Swauger Ditch

34-7194 and 34-14342

POD = T07N, R24E, Sec 26, NWSWSE – Existing Irrigation Well

34-13761

POD = T07N, R24E, Sec 26, NWSWSE – Existing Irrigation Well

POD = T07N, R24E, Sec 35 SWNESW – Sump Well

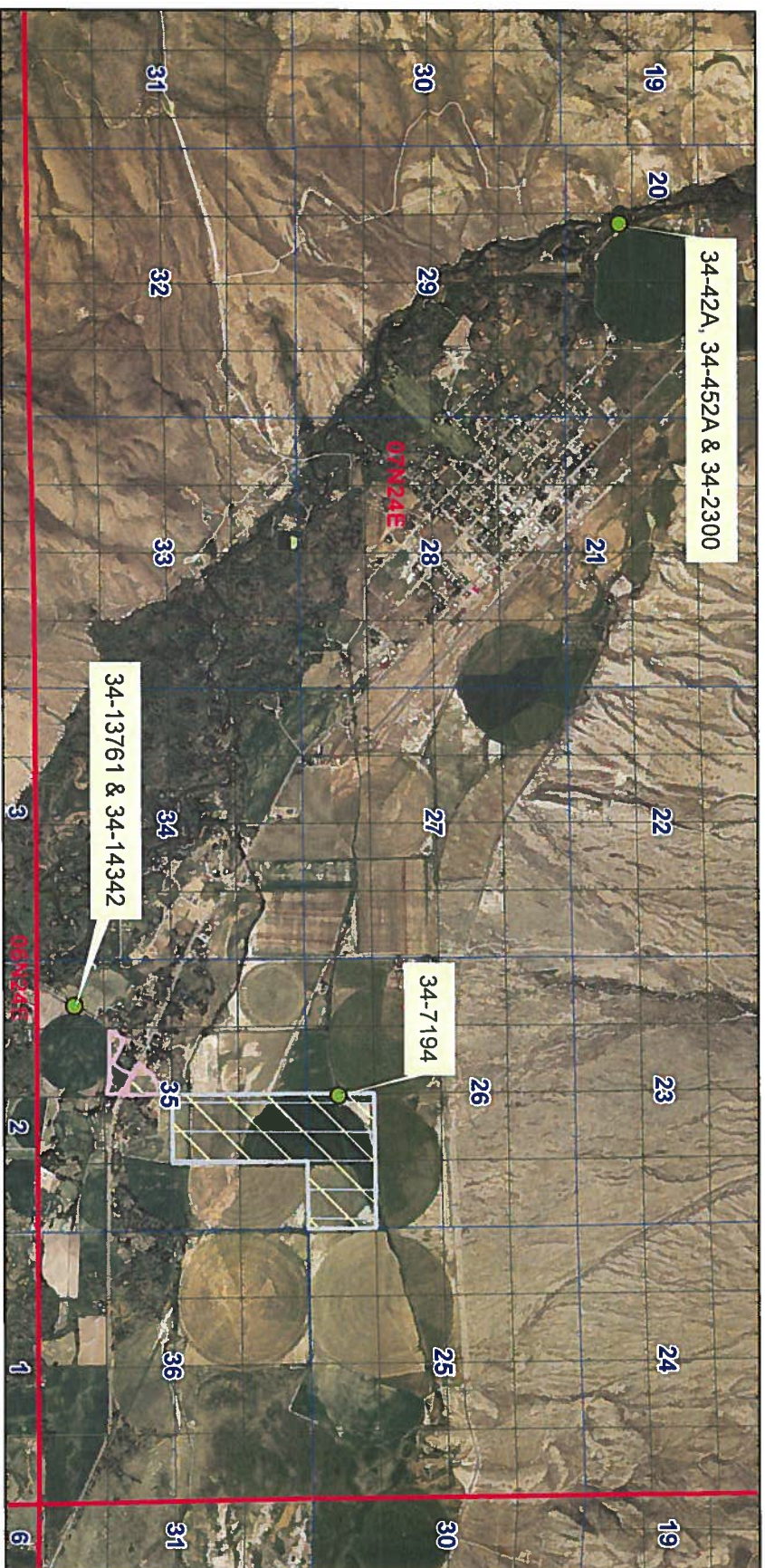
Part 3B – Water Balance

Historically water right no. 34-13761 has been used to irrigate the current place of use during the established irrigation season. With the addition of the pond, some water will be kept in the pond through the winter months to ensure the survival of fish. Flow through water for the pond will come from surface water during the irrigation season. Surface water will be diverted into the pond, where a pump will irrigate the place of use with a sprinkler system. During the non-irrigation season ground water will be used to maintain the water level in the pond. There is currently no outflow from the pond.

M. Marx or Darla Ann Hintze

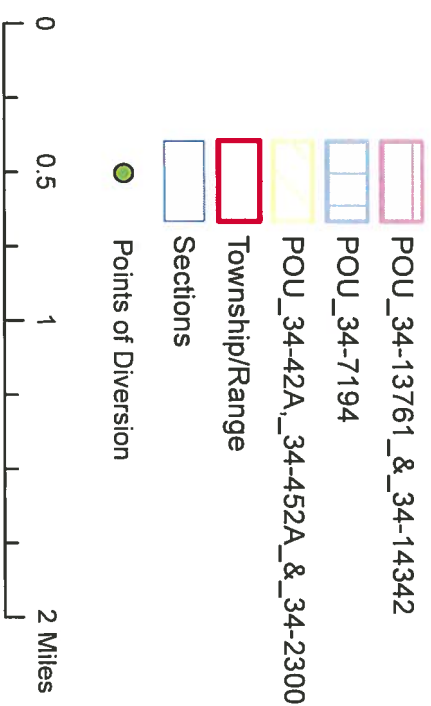
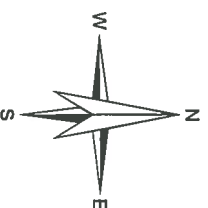
Irrigation

GIS Place of Use Illustration



Custer County
IDWR Basin 34

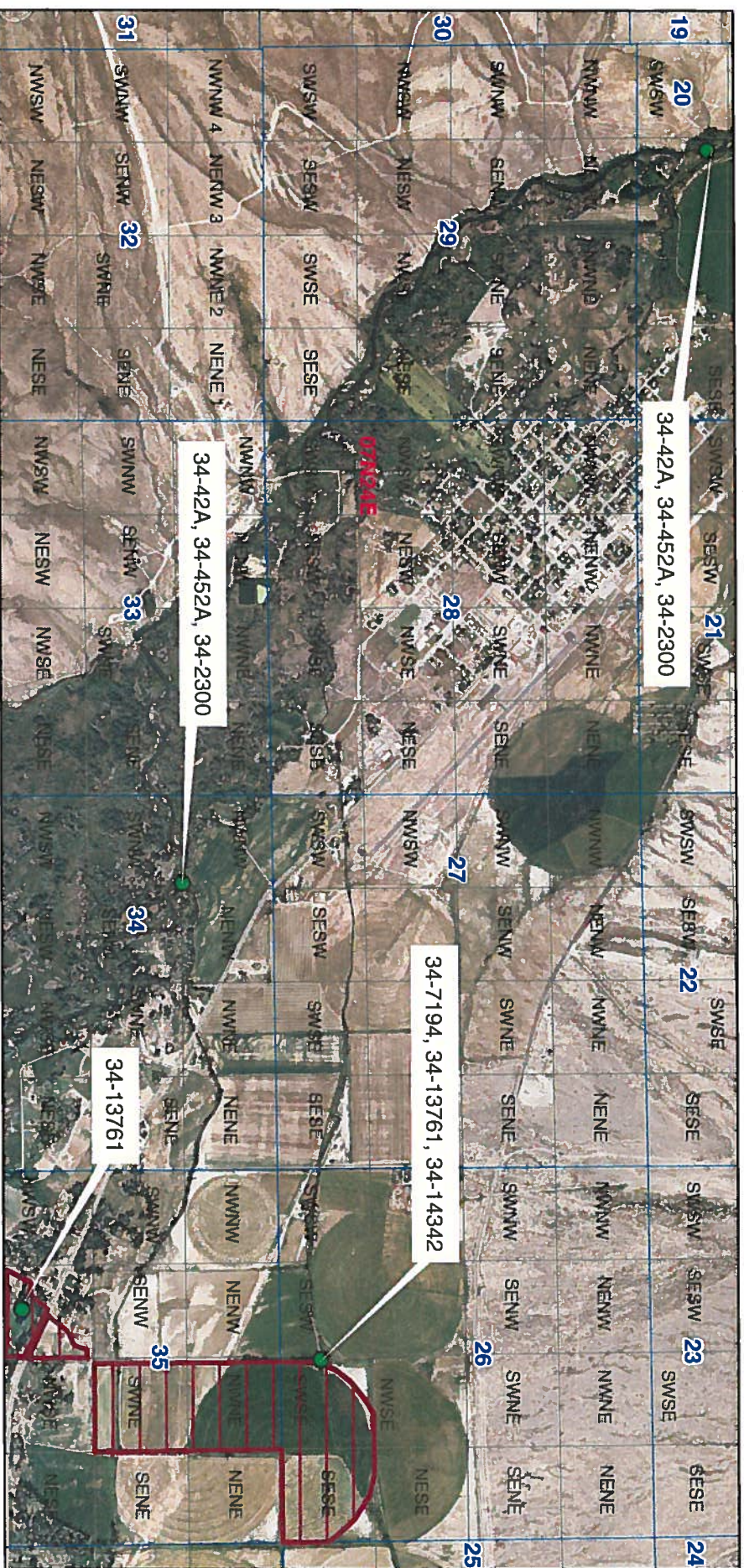
Prepared by Mathews, Kerrie
On April 30, 2012
2009 Aerial Photography



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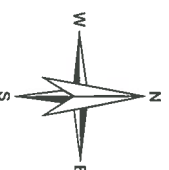
Marx or Darla Ann Hintze

GIS Place of Use Illustration



Custer County
IDWR Basin 34

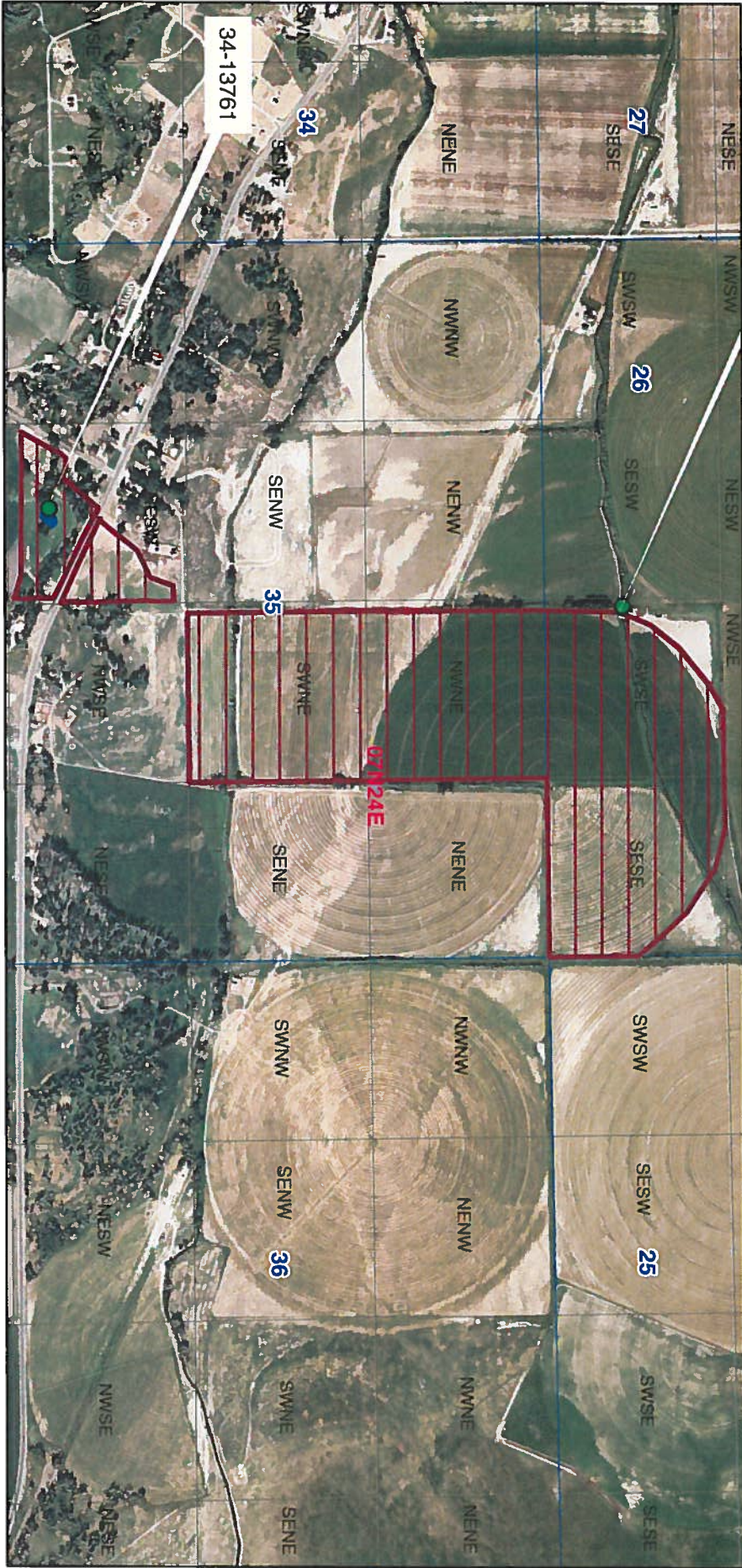
Prepared by: Kerrie Mathews
April 30, 2012
2009 Aerial Photography



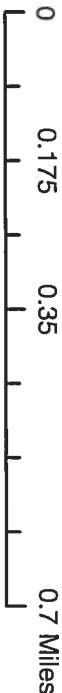
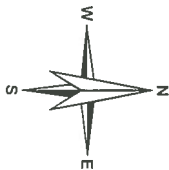
- Pond
- New_POU
- Township/Range
- Sections
- QA
- Points of Diversion

Marx or Darla Ann Hintze

GIS Place of Use Illustration



Custer County
IDWR Basin 34



- Pond
- New_POU
- Township/Range
- Sections
- QQ
- Points of Diversion

Prepared by: Kerrie Mathews
April 30, 2012
2009 Aerial Photography

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 34-42A

Current Owner: DARLA ANN HINTZE
MELVIN MARX HINTZE

Priority Date: 4/22/1884

Origin: Water Right

Status: Active

Basis: Decreed

Source

BIG LOST RIVER

Tributary

SINKS

Beneficial Use

IRRIGATION

From To

5/01 to 10/15

Diversion Rate

1.8 CFS

Annual Volume

Total Diversion

1.8 CFS

Location of Point(s) of Diversion

BIG LOST RIVER

SW1/4NE1/4SW1/4

Sec. 20, Twp 07N, Rge 24E B.M.

CUSTER County

Place of Use

IRRIGATION Within CUSTER County

T07N R24E S26	SWSE	39.30	T07N R24E S26	SESE	39.50
T07N R24E S35	NWNE	40.00	T07N R24E S35	SWNE	39.20
T07N R24E S35	NESW	7.80			

Total Acres: 165.8

Conditions of Approval:

1. WATER DELIVERED THROUGH SWAUGER DITCH.
2. S34 THE PERIOD OF USE FOR IRRIGATION DESCRIBED ABOVE MAY BE EXTENDED IN SEASONS OF UNUSUAL CHARACTERISTICS TO A BEGINNING DATE OF 04-20 AND AN ENDING DATE OF 10-31 AT THE DISCRETION OF THE DIRECTOR OF THE IDAHO DEPARTMENT OF WATER RESOURCES.
3. THE APPROPRIATOR IS ENTITLED TO THE QUANTITY OF WATER DESCRIBED ABOVE AT THE POINT OF MEASUREMENT IN T07N, R24E, S28, NESWSE.
USE OF THIS RIGHT WITH RIGHT NOS. 34-00452A, 34-13761, 34-02300, 34-10641 AND 34-07194 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.43 CFS.
4. USE OF THIS RIGHT WITH RIGHT NOS. 34-00452A, 34-13761, 34-02300, 34-10641 AND 34-07194 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 171.3 ACRES IN A SINGLE IRRIGATION SEASON.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 90 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
5. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
6. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.

Decreed Date: 12/14/2001

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 34-452A

Current Owner: DARLA ANN HINTZE
MELVIN MARX HINTZE

Priority Date: 6/1/1885

Origin: Water Right

Status: Active

Basis: Decreed

Source

BIG LOST RIVER

Tributary

SINKS

Beneficial Use

IRRIGATION

From To

5/01 to 10/15

Total Diversion

Diversion Rate

1.4 CFS

1.4 CFS

Annual Volume

Location of Point(s) of Diversion

BIG LOST RIVER

CUSTER County

SW1/4NE1/4SW1/4

Sec. 20, Twp 07N, Rge 24E B.M.

Place of Use

IRRIGATION Within CUSTER County

T07N R24E S26	SWSE	39.30	T07N R24E S26	SESE	39.50
T07N R24E S35	NWNE	40.00	T07N R24E S35	SWNE	39.20
T07N R24E S35	NESW	7.80			

Total Acres: 165.8

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
2. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
3. THE APPROPRIATOR IS ENTITLED TO THE QUANTITY OF WATER DESCRIBED ABOVE AT THE POINT OF MEASUREMENT IN T07N, R24E, S28, NESWSE.
USE OF THIS RIGHT WITH RIGHT NOS. 34-00042A, 34-13761, 34-02300, 34-10641 AND 34-07194 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.43 CFS.
4. WATER IS DELIVERED THROUGH THE SWAUGER DITCH.
5. USE OF THIS RIGHT WITH RIGHT NOS. 34-00042A, 34-13761, 34-02300, 34-10641 AND 34-07194 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 171.3 ACRES IN A SINGLE IRRIGATION SEASON. THIS RIGHT IS LIMITED TO THE IRRIGATION OF 70 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
6. S34 THE PERIOD OF USE FOR IRRIGATION DESCRIBED ABOVE MAY BE EXTENDED IN SEASONS OF UNUSUAL CHARACTERISTICS TO A BEGINNING DATE OF 04-20 AND AN ENDING DATE OF 10-31 AT THE DISCRETION OF THE DIRECTOR OF THE IDAHO DEPARTMENT OF WATER RESOURCES.

Decreed Date: 12/14/2001

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 34-2300

Current Owner: MELVIN MARX HINTZE
DARLA ANN HINTZE

Priority Date: 11/28/1952

Origin: Water Right

Status: Active

Basis: Decreed

Source

BIG LOST RIVER

Tributary

SINKS

Beneficial Use

IRRIGATION

From To

5/01 to 10/15

Diversion Rate

1.2 CFS

Annual Volume

Total Diversion

1.2 CFS

Location of Point(s) of Diversion

BIG LOST RIVER

SW1/4NE1/4SW1/4

Sec. 20,

Twp 07N,

Rge 24E B.M.

CUSTER County

Place of Use

IRRIGATION Within CUSTER County

T07N R24E S26	SWSE	39.30	T07N R24E S26	SESE	39.50
T07N R24E S35	NWNE	40.00	T07N R24E S35	SWNE	39.20
T07N R24E S35	NESW	7.80			

Total Acres: 165.8

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHT NOS. 34-00042A, 34-00452A, 34-13761, 34-10641 AND 34-07194 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 171.3 ACRES IN A SINGLE IRRIGATION SEASON. THIS RIGHT IS LIMITED TO THE IRRIGATION OF 60 ACRES IN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
2. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
3. C03 RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO SECTION 42-1425, IDAHO CODE.
4. WATER IS DELIVERED THROUGH THE SWAUGER DITCH.
5. THE APPROPRIATOR IS ENTITLED TO THE QUANTITY OF WATER DESCRIBED ABOVE AT THE POINT OF MEASUREMENT IN T07N, R24E, S28, NESWSE.
USE OF THIS RIGHT WITH RIGHT NOS. 34-00042A, 34-00452A, 34-13761, 34-10641 AND 34-07194 IS LIMITED TO A TOTAL COMBINED DIVERISON RATE OF 4.43 CFS.
6. S34 THE PERIOD OF USE FOR IRRIGATION DESCRIBED ABOVE MAY BE EXTENDED IN SEASONS OF UNUSUAL CHARACTERISTICS TO A BEGINNING DATE OF 04-20 AND AN ENDING DATE OF 10-31 AT THE DISCRETION OF THE DIRECTOR OF THE IDAHO DEPARTMENT OF WATER RESOURCES.
7. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

Decreed Date: 12/14/2001

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 34-7194

Current Owner: DARLA ANN HINTZE
MELVIN MARX HINTZE

Priority Date: 5/16/1977

Origin: Water Right

Status: Active

Basis: Decreed

Source

Tributary

GROUND WATER

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	4/01 to 11/01	3.124 CFS	552.7 AF
	<u>Total Diversion</u>	3.124 CFS	552.7 AF

Location of Point(s) of Diversion

GROUND WATER NW1/4SW1/4SE1/4 Sec. 26, Twp 07N, Rge 24E B.M.
CUSTER County

Place of Use

IRRIGATION Within CUSTER County

T07N R24E S26	SWSE	39.20	T07N R24E S26	SESE	39.50
T07N R24E S35	NWNE	40.00	T07N R24E S35	SWNE	39.20
Total Acres: 157.9					

Conditions of Approval:

1. USE OF THIS RIGHT WITH RIGHT NOS. 34-00042A, 34-00452A, 34-13761, 34-02300 AND 34-10641 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.43 CFS.
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
3. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
4. USE OF THIS RIGHT WITH RIGHT NOS. 34-00042A, 34-00452A, 34-13761, 34-02300 AND 34-10641 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 171.3 ACRES IN A SINGLE IRRIGATION SEASON.

Decreed Date: 12/14/2001

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 34-14342

Current Owner: DARLA ANN HINTZE
MELVIN MARX HINTZE

Priority Date: 4/1/1987

Origin: Water Right

Status: Active

Basis: Decreed

Source

Tributary

GROUND WATER

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.02 CFS	
	<u>Total Diversion</u>	0.02 CFS	

Location of Point(s) of Diversion

GROUND WATER
CUSTER County

NE1/4SW1/4SW1/4 Sec. 35, Twp 07N, Rge 24E B.M.

Place of Use

IRRIGATION Within CUSTER County

T07N R24E S35 NESW 11.60

Total Acres: 11.6

Conditions of Approval:

1. K09 This right is for an enlargement of 1.3 acres within the place of use described for this right.
2. X35 Rights 34-13761 and 34-14342 when combined shall not exceed a total diversion rate of 0.21 cfs, a total annual maximum diversion volume of 40.6 af at the field headgate, and the irrigation of 11.6 acres.
3. X35 Rights 34-42A, 34-452A, 34-2300, 34-7194, 34-13761 and 34-14342 when combined shall not exceed a total diversion rate of 4.85 cfs and the irrigation of 169.6 acres.
4. K02 This right is based upon an enlargement of Right No. 34-13761 pursuant to Section 42-1426, Idaho Code.
5. C18 This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.
6. C11 This water right is subordinate to all water rights with a priority date earlier than April 12, 1994, that are not decreed as enlargements pursuant to Section 42-1426, Idaho Code. As between water rights decreed as enlargements pursuant to Section 42-1426, Idaho Code, the earlier priority right is the superior right.
7. P21 This right is a split from former right 34-10641.

PRECIPITATION DEFICIT CALCULATION FOR PONDS

												mm/foot	0.00328084	Pond Size AF needed
MM/DAY														
JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL MM	TOTAL FEET	
MONTHLY	0 0.12	0.72	1.7	2.26	2.72	3.44	3.16	2.25	1.1	0.06	0	536.34	1.8	0.08 0.141386
	0 3.36	22.32	51	70.06	81.6	106.6	98	67.5	34.1	1.8	0			
Surface Area in ACRES	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	Total evaporate AF	0.140771654	
MM/Day	0 0.27	1.7856	4.08	5.605	6.53	8.531	7.84	5.4	2.728	0.14	0	42.9072	0.0707	
acres needed														
Evap														
Pond size														
W in ft L in ft														
35 100 = 3500														
Acres														
0.08														

Total AF for Pond 1.35

DAYS	30 June	30 Nov
28 Feb	31 July	31 Dec
31 March	31 August	
30 April	30 Sept	
31 May	31 Oct	

Crop Type = Alfalfa - frequent cuttings
CIR AF/ACRE 2

Pond Size ACRES 0.08
AVERAGE depth in FEET 15
AF NEEDED TO FILL POND 1.21

Data Entry in Green

ET_{Idaho} 2009: Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

Please send suggestions for improving this site to robison@kimberly.uidaho.edu Copyright 2010, University of Idaho.

Mackay Ranger Stn (NWS --105462)

Statistics based on thirty

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Open water - shallow systems (ponds, streams)														
Precipitation Deficit (Click here for a graph)														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b
Mean	mm/day												mm	
Monthly ^c	0.42	0.12	0.72	1.70	2.26	2.72	3.44	3.16	2.25	1.10	0.06	0.44	510	0
15-Day Moving Average ^d	0.50	0.08	0.75	1.78	2.16	2.80	3.55	3.09	2.22	1.15	0.06	0.41		
7-Day Moving Average ^e	0.47	0.07	0.73	1.74	2.22	2.71	3.43	3.14	2.23	1.12	0.06	0.40		
3-Day Moving Average ^f	0.43	0.11	0.72	1.72	2.26	2.69	3.44	3.17	2.23	1.10	0.07	0.43		
Standard Deviation	mm/day												mm	
Monthly	1.19	0.50	0.94	0.61	1.46	0.85	1.24	1.18	0.56	0.62	0.41	0.82	85	0
15-Day Moving Average	1.27	0.66	0.81	0.78	1.34	1.13	1.13	1.19	0.76	0.62	0.51	0.76		
7-Day Moving Average	1.49	1.02	1.04	1.07	1.75	1.83	1.74	1.54	1.00	0.90	0.71	1.08		
3-Day Moving Average	1.93	1.39	1.49	1.47	2.33	2.66	2.40	1.96	1.41	1.25	1.06	1.51		
20% Exceedance	mm/day												mm	
Monthly	0.08	0.44	1.15	2.14	2.86	3.51	4.33	3.81	2.65	1.45	0.38	0.07	581	0
15-Day Moving Average	0.38	0.67	1.57	2.72	3.88	4.34	4.71	4.18	3.06	1.92	0.69	0.32		
7-Day Moving Average	0.47	0.88	1.98	3.27	4.36	4.77	5.04	4.58	3.40	2.21	0.94	0.46		
3-Day Moving Average	0.58	1.10	2.28	3.74	4.70	5.26	5.29	4.76	3.68	2.39	1.09	0.53		

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. _____

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 <http://www.idwr.idaho.gov/>.

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 #1-9.

- ☐ ☒ #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 transfer applicant as the current water right owner. Additional fee(s) required for water right ownership changes; see fee schedule.
- ☐ ☒ #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 <http://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.
- ☒ ☐ #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 Other. Please describe: _____