

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 75-14778

Exam Date: 3/27/2014

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Neal G. James
 Owner of Record Correct? ☒ Yes ☐ No
 Address of Record Correct? ☒ Yes ☐ No
 If No: Address

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: CO98338

4. **SOURCE** **TRIBUTARY**

Groundwater

Method of Determination: Applicant submitted an aerial photo map that outlined POD & POU.

Change in Source: ☐ Yes ☒ No**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights that share POU. 74-613 is a water right that was used to irrigate the property, but has been abandoned.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights that share POD.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County
Ground water			SW	NW	5	21N	22E	Lemhi

Method of Determination: Legal Description in permit validated by PLS data and mapping.

Change in POD? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No

2. **PLACE OF USE:** Use: Domestic & Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
21n	22e	5							1.7										1.7

Method of Determination: Map of property submitted by land owner identifies POU clearly. PLSS data through ArcMap match.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).☐ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well	Unk	Unk	Unk	Unk	Unk

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: In-office field exam so theoretical not applicable.**E. FLOW CALCULATIONS**☒ Additional Computation Sheets Attached

Measured Method:

Administrator memo #17 authorizes a irrigation flow rate of 0/03 cfs per acre.

>>> 1.7 acres * 0.03 cfs/acre = 0.051 cfs

See the theoretical calculation sheet with a number of scenarios providing a calculated average flow rate of 0.05 cfs.

Measurement = 0.05 cfs**Permit allowed = 0.06 cfs****License recommend for 0.05 cfs.****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.7 \times 3.5 = 6.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05 \times 246 \times 1.9835 = 24.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.0$$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USE

Irrigation ☒ Yes ☐ No # Stock 0 Domestic # of Homes 0

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Permit 75-14778 authorized the use of 0.06 cfs from a well for domestic and irrigation water purposes. Based on the information provided in the water right file, this qualifies for an in-office field exam.

This is a ground water irrigation water right to replace a surface water irrigation water right (74-613). A Notice of Abandonment of Water Right was signed February 14, 2014. The application contained a map of POU and pictures of the well & pump.

There was no information regarding pump horsepower. Theoretical calculations were completed and attached to this report. To complete the theoretical flow calculations, I used a range of small hp pumps that would be used for the shallow (10 ft.) well. The theoretical rate matched what would be suggested under Administrators Memo. #17, so this was the rate suggested for license.

Place of use comparison showed a high number of water rights to the area. I compared ownerships with taxlot information to sort through most of the water rights. Information searches of a few identified places of use outside of the James property. There were a small number of water rights that I could not track down any info for. I found nothing other than 74-613 and City of Salmon water rights as POU overlap. City of Salmon water rights are not used on the property.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	03/15-11/15	0.05 cfs	6.0 af
<u>Totals</u>		0.05 cfs	6.0 af

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

Other: < >

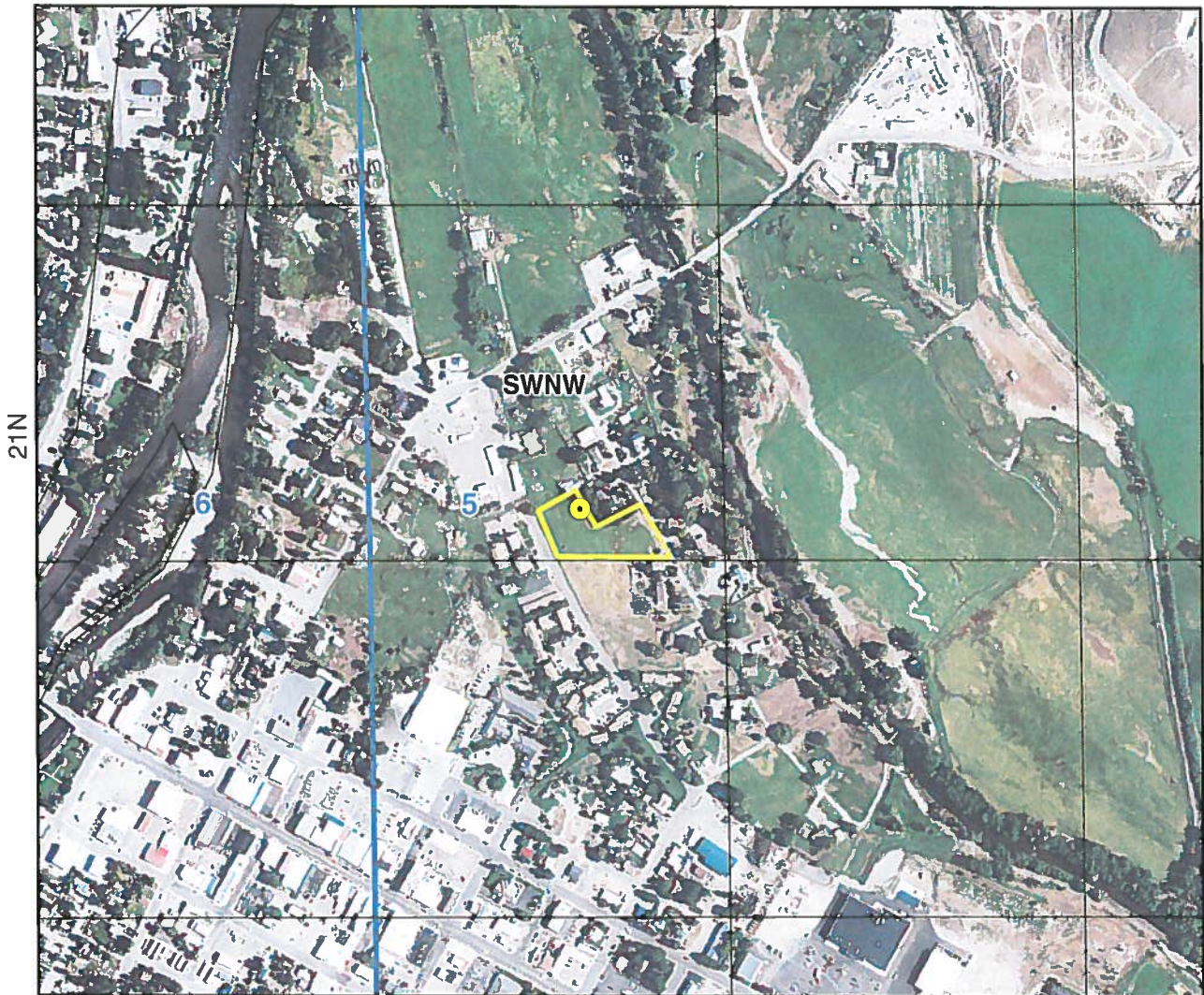
J. AUTHENTICATION

Field Examiner's Name Patricia Kelley Date 03/28/14Reviewer David A. Wicks Date 3-31-14

State of Idaho
Department of Water Resources
Field Exam Map
75-14778

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

22E



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.075 0.15 0.3 Miles



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 75-14778
 Reviewer: Patrick Kelly
 Date of Review: 3/27/2014

P/D No.:	Senario 1	Senario 2	Senario 3
PUMP HORSEPOWER	0.5	0.75	1
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	10	10	10
DISCHARGE PRESSURE	40	40	40
RATE OF FLOW (cfs)	0.03	0.05	0.06 0.05

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

Lift was taken from system description in permit application. Used 40 psi discharge pressure using standard sprinkler head usage. Horsepower was not described in application or beneficial use report so a range of expected horsepowers were used in 3 scenarios. Average rate of flow is 0.05 cfs.

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres	
Water Right	74-10083	N	KEIRNES, DEE M	GROUND WATER	POD																X	0	
Water Right	74-10083	N	KEIRNES, DEE M	GROUND WATER	POU																X	0	
Water Right	74-10090	N	HODGES, J FERN; HODGES,	GROUND WATER	POD									X								0	
Water Right	74-10090	N	HODGES, J FERN; HODGES,	GROUND WATER	POU								X									0	
Water Right	74-10102	N	K & S DISTRIBUTOR S INC	GROUND WATER	POD							X		NO DATA FOUND ON FILE.									0
Water Right	74-10102	N	K & S DISTRIBUTOR S INC	GROUND WATER	POU							X										0	
Water Right	74-10164	N	WADE, DANIEL C	GROUND WATER	POD										X							0	
Water Right	74-10164	N	WADE, DANIEL C	GROUND WATER	POU										X							0	
Water Right	74-10264	N	PHILLIPS, ALTA H; PHILLIPS,	GROUND WATER	POD									X								0	
Water Right	74-10264	N	PHILLIPS, ALTA H; PHILLIPS,	GROUND WATER	POU									X								0	
Water Right	74-14972	N	IDAHO POWER CO	GROUND WATER	POD					X												0	
Water Right	74-14972	N	IDAHO POWER CO	GROUND WATER	POU					X												0	
Water Right	74-14975	N	LILE, DONALD R; LILE, LINDA	GROUND WATER	POD																X	0	
Water Right	74-14975	N	LILE, DONALD R; LILE, LINDA	GROUND WATER	POU																X	0	
Water Right	74-14976	N	PROKSCH, HALLIE H; PROKSCH, JOSEPH A	GROUND WATER	POD		X															0	
Water Right	74-14976	N	PROKSCH, HALLIE H; PROKSCH, JOSEPH A	GROUND WATER	POU		X															0	
Water Right	74-14977	N	FLETCHER, DEANA; FLETCHER, REUBEN	GROUND WATER	POD					X												0	
Water Right	74-14977	N	FLETCHER, DEANA; FLETCHER, REUBEN	GROUND WATER	POU					X												0	
Water Right	74-14978	N	HILLDALE, ARLEEN A; HILLDALE, RICHARD M	GROUND WATER	POD					X												0	
Water Right	74-14978	N	HILLDALE, ARLEEN A; HILLDALE, RICHARD M	GROUND WATER	POU					X												0	
Water Right	74-15597	N	REGNANI, CECELIA; REGNANI,	SPRINGS	POD								X	Irrigates to the North					X			0	
Water Right	74-15597	N	REGNANI, CECELIA; REGNANI,	SPRINGS	POU					1.1	1.8	1.0	0.1									4	
Water Permit	74-15912	N	BLODGETT, GEORGE B	GROUND WATER	POD										X							0	
Water Permit	74-15912	N	BLODGETT, GEORGE B	GROUND WATER	POU										1.0							1	
Water Permit	74-15983	N	ACE HARDWARE	GROUND WATER	POD												X					0	
Water Permit	74-15983	N	ACE HARDWARE	GROUND WATER	POU												X					0	
Water Permit	74-16005	N	BARTLETT, JIMMIE; BARTLETT, STEVE	GROUND WATER	POD							X	neighbor North									0	
Water Permit	74-16005	N	BARTLETT, JIMMIE; BARTLETT, STEVE	GROUND WATER	POU							0.5										0.5	
Water Right	74-1671	N	STATE OF IDAHO	LEMHI RIVER	POD									X								0	
Water Right	74-1671	N	STATE OF IDAHO	LEMHI RIVER	POU									X								0	
Water Right	74-1775	N	YOUNG, DELILA; YOUNG,	WASTE WATER	POU															1.0		1	
Water Right	74-443	N	MILLER, M	WASTE WATER	POU															1.0		1	
Water Right	74-445	N	MILLER, M	LEMHI RIVER	POU																1.0		

Water Right	74-449	N	BLACK MARSING, GENEVA; MARSING, GENEVA P BLACK	WASTE WATER	POU														1.2			1.2	
Water Right	74-462	N	SALMON INTERMOUNTA IN INC	WASTE WATER	POU													0.6				0.6	
Water Right	74-490	N	IDAHO POWER CO	GROUND WATER	POD						X											0	
Water Right	74-490	N	IDAHO POWER CO	GROUND WATER	POU						X											0	
Water Right	74-501	N	STREET, CHARLOTTE	LEMHI RIVER	POU												4.2					4.2	
Water Right	74-510	N	HUDSON, SUSAN; HUDSON, WILLIAM	LEMHI RIVER	POD						X											0	
Water Right	74-510	N	HUDSON, SUSAN; HUDSON, WILLIAM	LEMHI RIVER	POU					5.0	3.0											8	
Water Right	74-532	N	SWAUGER, ESTELLA; SWAUGER, JOHN W; SWAUGER, PHILLIP	GROUND WATER	POD													X				0	
Water Right	74-532	N	SWAUGER, ESTELLA; SWAUGER, JOHN W; SWAUGER, PHILLIP	GROUND WATER	POU													X				0	
Water Right	74-543	N	LISCHNER, NANCY C	LEMHI RIVER	POU															8.0		8	
Water Right	74-544A	N	HUDSON, SUSAN; HUDSON, WILLIAM	LEMHI RIVER	POD						X											0	
Water Right	74-544A	N	HUDSON, SUSAN; HUDSON, WILLIAM	LEMHI RIVER	POU					8.3	3.3											11.6	
Water Right	74-544B	N	VERBECK, MICKEY; VERBECK, THERESA	LEMHI RIVER	POD						X											0	
Water Right	74-544B	N	VERBECK, MICKEY; VERBECK, THERESA	LEMHI RIVER	POU					6.9	0.1											7	
Water Right	74-544C	N	VERBECK, MICKEY; VERBECK, THERESA	LEMHI RIVER	POD						X											0	
Water Right	74-544C	N	VERBECK, MICKEY; VERBECK, THERESA	LEMHI RIVER	POU					0.6	1.2											1.8	
Water Right	74-547	N	SALMON INTERMOUNTA IN INC	LEMHI RIVER	POU													X				0	
Water Right	74-574	N	TRACY, JOHN	LEMHI RIVER	POU			4.0	2.0										22.0	3.0		31	
Water Right	74-575	N	MARTONEN, EVERETT J; MARTONEN, LILA L	LEMHI RIVER	POD						X											0	
Water Right	74-575	N	MARTONEN, EVERETT J; MARTONEN, LILA L	LEMHI RIVER	POU						1.3											1.3	
Water Right	74-575	N	MARTONEN, EVERETT J; MARTONEN, LILA L	LEMHI RIVER	POU						X											0	
Water Right	74-576	N	MARTONEN, EVERETT J; MARTONEN, LILA L	GROUND WATER	POD						X											0	
Water Right	74-576	N	MARTONEN, EVERETT J; MARTONEN, LILA L	GROUND WATER	POU						1.0											1	
Water Right	74-589	N	PHILLIPS, ALTA H; PHILLIPS,	LEMHI RIVER	POU												5.0					5	
Water Right	74-596	N	TRACY, JOHN B; TRACY, KATHERINE A	SPRINGS	POU												3.0		7.0	21.0	4.0	10.0	45
Water Right	74-597	N	TRACY, JOHN B; TRACY, KATHERINE A	SPRINGS	POD													X				0	

Irrigates property
directly North

land irrigated in
another section

Irrigates to
the east

Water Right	74-7103	N	MARTONEN, EVERETT J; MARTONEN, LILA L	LEMHI RIVER	POU									2.3									2.3	
Water Right	74-718A	N	ANDERS, JEAN; ANDERS,	SPRINGS	POD				X						X				X				0	
Water Right	74-718A	N	ANDERS, JEAN; ANDERS,	SPRINGS	POU						1.0												1	
Water Right	74-7266	N	B & H APARTMENTS	GROUND WATER	POD									X		complex directly west							0	
Water Right	74-7266	N	B & H APARTMENTS	GROUND WATER	POU									0.5			0.5						1	
Water Right	74-7267	N	B & H APARTMENTS	GROUND WATER	POD												X						0	
Water Right	74-7267	N	B & H APARTMENTS	GROUND WATER	POU												1.0						1	
Water Right	74-7280	N	ACKERMAN, ROGER; ACKERMAN, SANDRA M	GROUND WATER	POD												X						0	
Water Right	74-7280	N	ACKERMAN, ROGER; ACKERMAN, SANDRA M	GROUND WATER	POU												0.3	1.2					1.5	
Water Right	74-7282	N	MARTIN, CONNIE L	GROUND WATER	POD											X							0	
Water Right	74-7282	N	MARTIN, CONNIE L	GROUND WATER	POU											1.0							1	
Water Right	74-729	N	ANDREWS, LOLA; ANDREWS, MELVIN W	LEMHI RIVER	POU																6.0		6	
Water Right	74-730	N	ANDREWS, LOLA; ANDREWS, MELVIN W	GROUND WATER	POD																X		0	
Water Right	74-730	N	ANDREWS, LOLA; ANDREWS, MELVIN W	GROUND WATER	POU																X		0	
Water Permit	74-7338	N	FAYLE, CURTIS R; FAYLE,	LEMHI RIVER	POD																X		0	
Water Permit	74-7338	N	FAYLE, CURTIS R; FAYLE,	LEMHI RIVER	POU																X		0	
Water Right	74-7341	N	STATE OF IDAHO	LEMHI RIVER	POD											X							0	
Water Right	74-7341	N	STATE OF IDAHO	LEMHI RIVER	POU											X							0	
Water Right	74-751	N	SALMON INTERMOUNTAIN INC	WASTE WATER	POU													1.0					1	
Water Right	74-830	N	MARAFFIO, BETTY L; MARAFFIO, FRANK	WASTE WATER	POU																1.0		1	
Water Right	74-831	N	YOUNG, DELILA; YOUNG,	WASTE WATER	POU																0.2		0.2	
Water Right	74-924	N	MIFFLIN, THOMAS H	GROUND WATER	POD													X					0	
Water Right	74-924	N	MIFFLIN, THOMAS H	GROUND WATER	POU													X					0	
Water Right	74-968	N	MARTIN, CONNIE L	LEMHI RIVER	POD											X							0	
Water Right	74-968	N	MARTIN, CONNIE L	LEMHI RIVER	POU											2.0							2	
Water Right	74-969	N	MARTIN, CONNIE L	GROUND WATER	POD											X							0	
Water Right	74-969	N	MARTIN, CONNIE L	GROUND WATER	POU											X							0	
Water Right	75-10055	N	WELLS, MARJORIE E	GROUND WATER	POD													X					0	
Water Right	75-10055	N	WELLS, MARJORIE E	GROUND WATER	POU													X					0	
Water Right	75-10101	N	MUNKRES, JOYCE	GROUND WATER	POD												X						0	
Water Right	75-10101	N	MUNKRES, JOYCE	GROUND WATER	POU										X		unable to find any records							0
Water Right	75-10308	N	BEATTIE, GLEN L; BEATTIE,	GROUND WATER	POD													X					0	
Water Right	75-10308	N	BEATTIE, GLEN L; BEATTIE,	GROUND WATER	POU													X					0	
Water Right	75-10393	N	BEREAN BIBLE CHURCH	GROUND WATER	POD												X						0	
Water Right	75-10393	N	BEREAN BIBLE CHURCH	GROUND WATER	POU												X						0	

[illegible]

Water Right	75-14094	N	DISCOVERY CARE CENTER	GROUND WATER	POD							X							0
Water Right	75-14094	N	DISCOVERY CARE CENTER	GROUND WATER	POU							X							0
Water Right	75-14700	N	CITY OF SALMON	CHIPPS CREEK, JESSE CREEK, POLLARD	POU				X	X	X	X	X	X		X	X		0
Water Permit	75-14778	N	JAMES, NEAL G	GROUND WATER	POD					X									0
Water Permit	75-14778	N	JAMES, NEAL G	GROUND WATER	POU					2.0									2
Water Right	75-17A	N	CITY OF SALMON	JESSE CREEK	POU				X	X	X	X	X	X		X	X		0
Water Right	75-17B	N	CITY OF SALMON	CHIPPS CREEK, JESSE CREEK, POLLARD	POU				X	X	X	X	X	X		X	X		0
Water Right	75-19B	N	CITY OF SALMON	JESSE CREEK	POU				X	X	X	X	X	X		X	X		0
Water Right	75-19C	N	CITY OF SALMON	CHIPPS CREEK, JESSE CREEK, POLLARD	POU				X	X	X	X	X	X		X	X		0
Water Right	75-2167	N	CITY OF SALMON	CHIPPS CREEK, JESSE CREEK, POLLARD	POU				X	X	X	X	X	X		X	X		0
Water Right	75-4	N	CITY OF SALMON	CHIPPS CREEK, JESSE CREEK, POLLARD	POU				X	X	X	X	X	X		X	X		0
Water Right	75-4084	N	CITY OF SALMON	SALMON RIVER	POU				X	X	X	X	X	X		X	X		0
Water Right	75-4311	N	SALMON SCHOOL DISTRICT #291	GROUND WATER	POD								X						0
Water Right	75-4311	N	SALMON SCHOOL DISTRICT #291	GROUND WATER	POU								5.0						5
Water Right	75-7084	N	STREET, CHARLOTTE	GROUND WATER	POU							3.8							3.8
Water Right	75-7108	N	CITY OF SALMON	SALMON RIVER	POU				X	X	X	X	X	X		X	X		0
Water Right	75-7156	N	CITY OF SALMON	SALMON RIVER	POU				X	X	X	X	X	X		X	X		0
Water Right	75-7323	N	SALMON SCHOOL DISTRICT #291	GROUND WATER	POU								0.5	0.5					1
Water Right	75-7433	N	SALMON MEADOWS INC	GROUND WATER	POU				0.5	1.5									2
Water Right	75-7483	N	SALMON SEVENTH DAY ADVENTIST CHURCH	GROUND WATER	POD									X					0
Water Right	75-7483	N	SALMON SEVENTH DAY ADVENTIST CHURCH	GROUND WATER	POU									X					0
Water Right	75-7624	N	STEELE MEMORIAL HOSPITAL	GROUND WATER	POD								X						0
Water Right	75-7624	N	STEELE MEMORIAL HOSPITAL	GROUND WATER	POU								X						0
Water Right	75-7626	N	SUN VALLEY LAND CO	GROUND WATER	POD								X						0
Water Right	75-7626	N	SUN VALLEY LAND CO	GROUND WATER	POU								X						0
Water Right	75-7663	N	BLACK, BETTY J; BLACK, CALVIN D	GROUND WATER	POD							X							0
Water Right	75-7663	N	BLACK, BETTY J; BLACK, CALVIN D	GROUND WATER	POU							X							0

RECEIVED

FEB 18 2014

Department of Water Resources
Eastern Region

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Notice of Abandonment of Water Right

Print Name of Water Right Owner(s): Neal James

Mailing Address: 427 Confederate Drive, Salmon, ID 83467

Phone: (208) 761-0330

Note: If you are not listed as the current owner of the water right in the Idaho Department of Water Resources' records, you must include evidence of ownership of the water right (or portion of the water right) with this form. Evidence may include a warranty deed, quitclaim deed, court decree, contract of sale, etc.

I am the current owner of X all, or part of, the water right described in the Idaho Department of Water Resources' records as Water Right No. 74-613.

I hereby abandon X all, or part of the water right designated above. This abandonment is intentional and voluntary. I recognize that this abandonment permanently eliminates the right to divert and use water under the water right designated above.

If this abandonment applies to a portion of the water right, please indicate which part is abandoned by describing the diversion rate, annual diversion volume or storage volume, and place of use (include acres if the use is irrigation) and by attaching a detailed map identifying the specific locations.

74-613 is currently in the name of George Blodgett. Attached is quitclaim deed showing transfer of
property ownership from George Blodgett to the current owner Neal James. Water right abandonment is
mitigation for issuance of license for Permit 75-14778. Map of property location also attached.

Neal James
Signature of Water Right Owner(s) or Authorized Representative

2-14-14
Date

Neal James
Print Name and Title of Authorized Representative
(Complete if applicable and include your authority to act on behalf of the water right owner)

State of Idaho)
County of Lemhi) ss

On this 14 day of February, 2014, the signer(s) of the above instrument appeared before me and duly acknowledged to me that he/she executed the same.

Kayla Linger
Notary Public

My commission expires: January 21, 2020

SEAL

