



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

EASTERN REGION

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Director

May 12, 2008

RE: Late Claim 74-15861

JAMES E RIGGAN
267 HWY 28
SALMON ID 83467

Dear Mr. Riggan,

Thank you for your time and assistance in conducting the field exam on Friday 5/9/2008. I have generated a late claim pursuant to my findings during this visit. I have enclosed a copy of the diagram of the delivery system used to irrigate your place on Wimpey Creek. The total acres irrigated are 73. I determined a diversion rate which would be required for irrigation of this ground using the Worstall method. I have enclosed a copy of this analysis for each ditch. The results of these analyses have shown that 1.58 cfs would be required to irrigate this ground delivering an inch to the acre. Currently 0.36 cfs is recommended under water right 74-15015 and as a result 1.24 would need to be used under claim 74-15861. The Shennon decree was issued in 1906. I have used a 3/15/1907 priority data on this claim because it would be the earliest which can be recommended. I would be comfortable recommending this priority date based upon the age of the trees growing along these ditches if the Lemhi Decree did not preclude me from doing so. I have also enclosed a copy of an SF4 which will need to be submitted with this late claim.

If you have any questions or concerns please contact me at the number listed below.

Respectfully Submitted,

Nate Arave
Water Resource Agent
Idaho Department of Water Resources
900 N. Skyline Drive Suite A
Idaho Falls, Id 83402-1718
(208)-525-7161

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM

CIVIL CASE NUMBER: 39576

Ident. Number 74-15861
Date Received: 5/12/2008
Receipt No:
Received By:

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name of Claimant(s)

JAMES E RIGGAN Phone: (208)756-3710

267 HWY 28
SALMON ID USA 83467

2. Date of Priority: 03/15/1907

3. Source: WIMPEY CREEK Trib. to: LEMHI RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of 1/4 of 1/4 Lot			County	Type
21N	23E	24	NE	SE	SW	LEMHI	
21N	23E	24	NE	SE	SW	LEMHI	
21N	23E	24	SE	SE	SW	LEMHI	
21N	23E	25	SW	NE	NW	LEMHI	

5. Description of diverting works:

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or) A.F.A
IRRIGATION	03/15	11/15	1.24	

7. Total Quantity Appropriated is:
1.24 C.F.S.

8. Total consumptive use:

9. Non-irrigation uses:

10. Place of use:

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
21N	23E	24	SE	SW	IRRIGATION	7.2
					Section Acres	7.2
21N	23E	25	NE	NW	IRRIGATION	28
			SW	NW	IRRIGATION	15
			SE	NW	IRRIGATION	1
			NW	SW	IRRIGATION	2
			NW	NW	IRRIGATION	3.3
					Section Acres	49.3
21N	23E	26	SE	NE	IRRIGATION	1.5
			NE	SE	IRRIGATION	15
					Section Acres	16.5
					Total Acres	73

11. Place of use in counties: LEMHI

12. Do you own the property listed above as place of use? Yes

13. Other Water Rights Used: 74-15015

14. Remarks:

15. Basis of Claim: Beneficial Use

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not _____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): _____ Date: _____

Date:

State of Idaho)
County of _____) SS.

Subscribed and sworn (or affirmed) before me this

of _____ 20__

Notary Public

Residing at _____

My commission Expires _____

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Riggan D1 BY: N Arave DATE: 0-Jan-1900

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	894	2.0	1.50	0.03	0.34	0.34	0.0997	0.03	0.37
2				0.00		0.00	0.0000	0.00	0.00
3				0.00		0.00	0.0000	0.00	0.00
4				0.00		0.00	0.0000	0.00	0.00
5				0.00		0.00	0.0000	0.00	0.00
6				0.00		0.00	0.0000	0.00	0.00
7				0.00		0.00	0.0000	0.00	0.00
8				0.00		0.00	0.0000	0.00	0.00
9				0.00		0.00	0.0000	0.00	0.00
10				0.00		0.00	0.0000	0.00	0.00
11				0.00		0.00	0.0000	0.00	0.00
12				0.00		0.00	0.0000	0.00	0.00
13				0.00		0.00	0.0000	0.00	0.00
14				0.00		0.00	0.0000	0.00	0.00
15				0.00		0.00	0.0000	0.00	0.00
16				0.00		0.00	0.0000	0.00	0.00
17				0.00		0.00	0.0000	0.00	0.00
18				0.00		0.00	0.0000	0.00	0.00
19				0.00		0.00	0.0000	0.00	0.00
20				0.00		0.00	0.0000	0.00	0.00
TOTALS	894			0.03	0.34			0.03	

REACH = SECTION OF CHANNEL

LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS

AVE WIDTH = AVERAGE TOP WIDTH OF WATER SURFACE IN REACH

SEEPAGE = SOIL SEEPAGE RATE OF REACH

WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD

DELIVERY = TOTAL DELIVERIES IN REACH

DELIVERY LEFT = SUM(DELIVERIES OF CURRENT AND REMAINING REACHES)

LOSS FACTOR = WORSTELL LOSS/DELIVERY LEFT

DELIVERY LOSS = SUM(LOSS FACTORS OF CURRENT AND PREVIOUS REACHES) X DELIVERY;
REPRESENTS THE LOSSES ASSIGNED TO THE DELIVERIES IN THE REACH;
IF MULTIPLE RIGHTS WITHIN REACH, DELIVERY LOSSES SHOULD BE
PRORATED BASED ON SIZE OF DELIVERY FOR EACH RIGHT WITHIN REACH

FLOW = TOTAL FLOW AT BEGINNING OF EACH REACH

Notes:

- 1 Length of ditch determination based on GIS imagery.
- 2 Width of ditch determined from field visit
- 3 Seepage factor based on California Department of Water Resources inspection manual's value for sandy loam soil types. Soil type determined during field visit 5-9-2008.

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Riggan D2

BY: N Arave

DATE: 0-Jan-1900

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	257	2.0	1.50	0.01	0.03	0.03	0.3746	0.01	0.04
2				0.00		0.00	0.0000	0.00	0.00
3				0.00		0.00	0.0000	0.00	0.00
4				0.00		0.00	0.0000	0.00	0.00
5				0.00		0.00	0.0000	0.00	0.00
6				0.00		0.00	0.0000	0.00	0.00
7				0.00		0.00	0.0000	0.00	0.00
8				0.00		0.00	0.0000	0.00	0.00
9				0.00		0.00	0.0000	0.00	0.00
10				0.00		0.00	0.0000	0.00	0.00
11				0.00		0.00	0.0000	0.00	0.00
12				0.00		0.00	0.0000	0.00	0.00
13				0.00		0.00	0.0000	0.00	0.00
14				0.00		0.00	0.0000	0.00	0.00
15				0.00		0.00	0.0000	0.00	0.00
16				0.00		0.00	0.0000	0.00	0.00
17				0.00		0.00	0.0000	0.00	0.00
18				0.00		0.00	0.0000	0.00	0.00
19				0.00		0.00	0.0000	0.00	0.00
20				0.00		0.00	0.0000	0.00	0.00
TOTALS	257			0.01	0.03			0.01	

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Notes:

- 1 Length of ditch determination based on GIS imagery.
- 2 Width of ditch determined from field visit
- 3 Seepage factor based on California Department of Water Resources inspection manual's value for sandy loam soil types. Soil type determined during field visit 5-9-2008.

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Riggan D3

BY: N Arave

DATE: 0-Jan-1900

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	856	2.0	1.50	0.03	0.28	0.28	0.1150	0.03	0.31
2				0.00		0.00	0.0000	0.00	0.00
3				0.00		0.00	0.0000	0.00	0.00
4				0.00		0.00	0.0000	0.00	0.00
5				0.00		0.00	0.0000	0.00	0.00
6				0.00		0.00	0.0000	0.00	0.00
7				0.00		0.00	0.0000	0.00	0.00
8				0.00		0.00	0.0000	0.00	0.00
9				0.00		0.00	0.0000	0.00	0.00
10				0.00		0.00	0.0000	0.00	0.00
11				0.00		0.00	0.0000	0.00	0.00
12				0.00		0.00	0.0000	0.00	0.00
13				0.00		0.00	0.0000	0.00	0.00
14				0.00		0.00	0.0000	0.00	0.00
15				0.00		0.00	0.0000	0.00	0.00
16				0.00		0.00	0.0000	0.00	0.00
17				0.00		0.00	0.0000	0.00	0.00
18				0.00		0.00	0.0000	0.00	0.00
19				0.00		0.00	0.0000	0.00	0.00
20				0.00		0.00	0.0000	0.00	0.00
TOTALS	856			0.03	0.28			0.03	

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2 Width of ditch determined from field visit

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value for sandy loam soil types. Soil type determined during field visit 5-9-2008.

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Riggan ~~02~~ 04 BY: N Arave DATE: 0-Jan-1900

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	1438	2.0	1.50	0.05	0.81	0.81	0.0673	0.05	0.86
2				0.00		0.00	0.0000	0.00	0.00
3				0.00		0.00	0.0000	0.00	0.00
4				0.00		0.00	0.0000	0.00	0.00
5				0.00		0.00	0.0000	0.00	0.00
6				0.00		0.00	0.0000	0.00	0.00
7				0.00		0.00	0.0000	0.00	0.00
8				0.00		0.00	0.0000	0.00	0.00
9				0.00		0.00	0.0000	0.00	0.00
10				0.00		0.00	0.0000	0.00	0.00
11				0.00		0.00	0.0000	0.00	0.00
12				0.00		0.00	0.0000	0.00	0.00
13				0.00		0.00	0.0000	0.00	0.00
14				0.00		0.00	0.0000	0.00	0.00
15				0.00		0.00	0.0000	0.00	0.00
16				0.00		0.00	0.0000	0.00	0.00
17				0.00		0.00	0.0000	0.00	0.00
18				0.00		0.00	0.0000	0.00	0.00
19				0.00		0.00	0.0000	0.00	0.00
20				0.00		0.00	0.0000	0.00	0.00
TOTALS	1438			0.05	0.81			0.05	

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