

01/07/2007

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-4097

NAME AND ADDRESS: RUTH HATCH
434 PAHSIMEROI RD
ELLIS ID 83235-2002

RALPH HATCH
434 PAHSIMEROI RD
ELLIS ID 83235-2002

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 8.800 CFS

PRIORITY DATE: 02/18/1926

POINT OF DIVERSION:

T15N R21E S26 SESWSE Within LEMHI County

T15N R21E S27 NWNE Within LEMHI County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/01 10/31	8.800 CFS

PLACE OF USE: IRRIGATION in LEMHI County

T15N R21E S05	NESW	21.00	T15N R21E S05	SESW	38.00
T15N R21E S05	NESE	32.00	T15N R21E S05	NWSE	36.00
T15N R21E S05	SWSE	39.00	T15N R21E S05	SESE	37.00
T15N R21E S08	NENE	22.00	T15N R21E S08	NWNE	39.00
T15N R21E S08	SWNE	37.00	T15N R21E S08	SENE	40.00
T15N R21E S08	NENW	21.00	T15N R21E S08	NESE	39.00
T15N R21E S08	NWSE	15.00	T15N R21E S08	SWSE	12.00
T15N R21E S08	SESE	38.00	T15N R21E S09	NWNW	5.20
T15N R21E S09	SWNW	37.00	T15N R21E S09	NESW	3.00
T15N R21E S09	NWSW	40.00	T15N R21E S09	SWSW	38.00
T15N R21E S09	SESW	8.10			
		597.3 ACRES TOTAL			

The rights listed below are limited to the irrigation of a combined total of 597.3 acres in a single irrigation season. Combined Right Nos.: 73-10100B, 73-10111, 73-4097.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

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.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Beneficial Use

Source is also known as Spring Creek, Big Spring Creek or O Neal Creek.

01/07/2007

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-4097

NAME AND ADDRESS: RUTH HATCH
434 PAHSIMEROI RD
ELLIS ID 83235-2002

RALPH HATCH
434 PAHSIMEROI RD
ELLIS ID 83235-2002

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 8.800 CFS

PRIORITY DATE: 02/18/1926

POINT OF DIVERSION:

T15N R21E S26 SWSE Within LEMHI County

T15N R21E S27 NWNE Within LEMHI County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/01 10/31	8.800 CFS

PLACE OF USE: IRRIGATION in LEMHI County

T15N R21E S05	NESW	21.00	T15N R21E S05	SESW	38.00
T15N R21E S05	NESE	32.00	T15N R21E S05	NWSE	36.00
T15N R21E S05	SWSE	39.00	T15N R21E S05	SESE	37.00
T15N R21E S08	NENE	22.00	T15N R21E S08	NWNE	39.00
T15N R21E S08	SWNE	37.00	T15N R21E S08	SENE	40.00
T15N R21E S08	NENW	21.00	T15N R21E S08	NESE	39.00
T15N R21E S08	NWSE	15.00	T15N R21E S08	SWSE	12.00
T15N R21E S08	SESE	38.00	T15N R21E S09	NWNW	5.20
T15N R21E S09	SWNW	37.00	T15N R21E S09	NESW	3.00
T15N R21E S09	NWSW	40.00	T15N R21E S09	SWSW	38.00
T15N R21E S09	SESW	8.10			
		597.3 ACRES TOTAL			

The rights listed below are limited to the irrigation of a combined total of 597.3 acres in a single irrigation season. Combined Right Nos.: 73-10100B, 73-10111, 73-4097.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

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.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Beneficial Use

Source is also known as Spring Creek, Big Spring Creek or O Neal Creek.

73-4097

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Patterson Creek 3 BY: D. Shaff DATE: Dec 9, 2006

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	3780	12.0	6.00	3.44	0.00	22.85	0.1505	0.00	36.05
2	9023	12.0	2.50	3.42	3.20	22.85	0.1497	0.96	32.62
3	10540	7.5	2.50	2.50	8.82	19.65	0.1270	3.77	26.00
4	11750	7.5	2.50	2.78	4.00	10.83	0.2570	2.74	14.68
5	2000	7.5	2.50	0.47	1.18	6.83	0.0694	0.89	7.90
6	2507	7.5	2.50	0.59	5.65	5.65	0.1051	4.85	6.24
7				0.00		0.00	0.0000	0.00	0.00
TOTALS	39600			13.20	22.85			13.20	

The Nature Cons.

Hatch

Madsen

DiGrigorio

Ellis

used 73-4098A
Hubble for this
recomm. quantity

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

08/04/2006

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-4097
NAME AND ADDRESS: RUTH HATCH
434 PAHSIMEROI RD
ELLIS ID 83235-2002

RALPH HATCH
434 PAHSIMEROI RD
ELLIS ID 83235-2002

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

No beneficial use found.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Beneficial Use

No beneficial use found: This is included for a claim based on beneficial use that is proposed to be disallowed because beneficial use of water was not confirmed by IDWRs field examination or by other evidence submitted by the claimant.

