

03/19/2008

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-98 Split DRAFT

NAME AND ADDRESS: CARYL L ELZINGA
19 MOEN LN
MAY ID 83253-2000

GLENN A ELZINGA
19 MOEN LN
MAY ID 83253-2000

SOURCE: PATTERSON CREEK TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 2.870 CFS

PRIORITY DATE: 10/30/1902

POINT OF
DIVERSION: T15N R21E S26 SWNW Within LEMHI County
T15N R21E S26 SWSE 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	2.870 CFS
PLACE OF USE:	<u>IRRIGATION in LEMHI County</u>		
	T15N R21E S16 SWSE	7.00 T15N R21E S21 NENE	10.00
	T15N R21E S21 SENE	0.20 T15N R21E S22 NWNW	7.70
	T15N R21E S22 SWNW	25.00 T15N R21E S22 NWSW	0.40
	50.3 ACRES TOTAL		

Right Nos. 73-98 and 73-12032 or any further splits of the rights thereof are limited to the irrigation of a combined total of 56.2 acres in a single irrigation season.

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 - Decreed

Source is locally known as Spring Creek.

03/20/2008

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-98 SPLIT DRAFT
NAME AND ADDRESS: UNITED STATES OF AMERICA
ACTING THROUGH BUREAU OF LAND MANAGEMENT
YADA YADA

SOURCE: PATTERSON CREEK TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 0.330 CFS

PRIORITY DATE: 10/30/1902

POINT OF
DIVERSION:

T15N R21E S26 SWNW Within LEMHI County
T15N R21E S26 SWSE 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	0.330 CFS

PLACE OF USE: IRRIGATION in LEMHI County

T15N R21E S22 SENW 5.90

5.9 ACRES TOTAL

Right Nos. 73-98 and 73-12032 or any further splits of the rights thereof are limited to the irrigation of a combined total of 56.2 acres in a single irrigation season.

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 - Decreed

Source is locally known as Spring Creek.

12/12/2007

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-98

NAME AND ADDRESS: CARYL L ELZINGA
19 MOEN LN
MAY ID 83253-2000

GLENN A ELZINGA
19 MOEN LN
MAY ID 83253-2000

SOURCE: PATTERSON CREEK TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 3.200 CFS

PRIORITY DATE: 10/30/1902

POINT OF
DIVERSION:

T15N R21E S26 SWNW Within LEMHI County
T15N R21E S26 SWSE 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	3.200 CFS
PLACE OF USE:	<u>IRRIGATION in LEMHI County</u>		
	T15N R21E S16 SWSE	7.00 T15N R21E S21 NENE	10.00
	T15N R21E S21 SENE	0.20 T15N R21E S22 NWNW	7.70
	T15N R21E S22 SWNW	25.00 T15N R21E S22 SENW	5.90
	T15N R21E S22 NWSW	0.40	

56.2 ACRES TOTAL

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 - Decreed

Source is locally known as Spring Creek.

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-98

NAME AND ADDRESS: THE NATURE CONSERVANCY
116 1ST AVE N
HAILEY ID 83333-8411

THE NATURE CONSERVANCY
WESTERN RESOURCE OFFICE
2424 SPRUCE ST STE 100
BOULDER CO 80302-4617

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 3.200 CFS

PRIORITY DATE: 10/30/1902

POINT OF
DIVERSION:

T15N R21E S26 SWNW Within LEMHI County

T15N R21E S26 SWSE Within LEMHI County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE

PERIOD OF USE

QUANTITY

IRRIGATION

04/01 10/31

3.200 CFS

PLACE OF USE:

IRRIGATION in LEMHI County

T15N R21E S16	SWSE	7.00	T15N R21E S21	NENE	10.00
T15N R21E S21	SENE	0.20	T15N R21E S22	NWNW	7.70
T15N R21E S22	SWNW	25.00	T15N R21E S22	SENE	5.90
T15N R21E S22	NWSW	0.40			

THIS IS A TOTAL 56.2 ACRES TOTAL

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 - Decreed

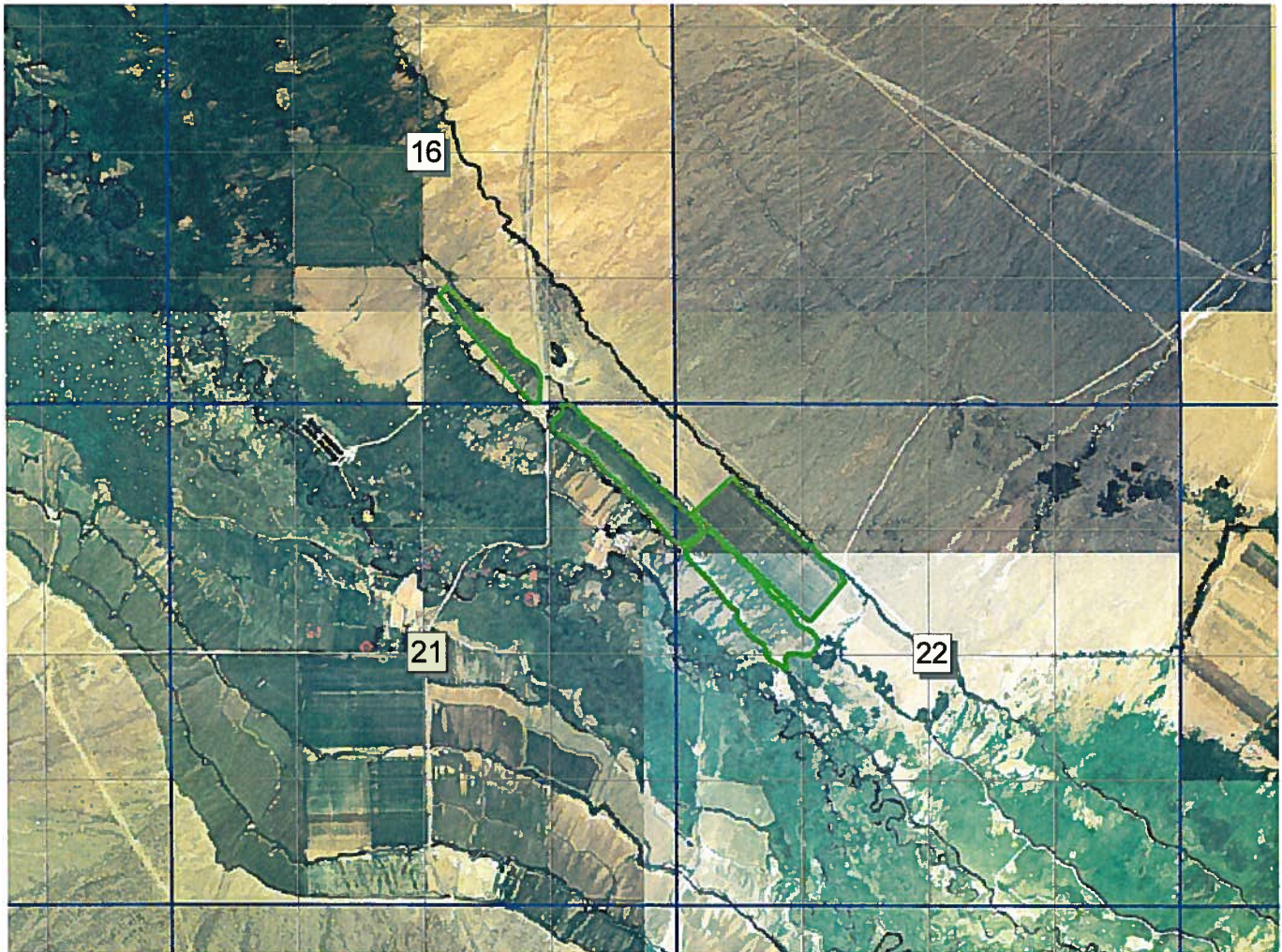
Source is locally known as Spring Creek.

AreView/Basin 73

e/zinga-73-98 parent layer
blm-73-98 parent shape

Idaho Dept. of Water Resources

Water Right No. 73-98



0.4 0 0.4 0.8 Miles

 73-00098



GIS Presentation
Prepared by R. Brown
December 20, 2004
1988 True Color Photography

12/21/2004

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

RIGHT NUMBER: 73-98

NAME AND ADDRESS: DUANE E MOEN
19 MOEN LN
MAY ID 83253

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 3.200 CFS

PRIORITY DATE: 10/30/1902

POINT OF DIVERSION:

T15N R21E S26 SWNW Within LEMHI County

T15N R21E S26 SWSE Within LEMHI County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE

PERIOD OF USE

QUANTITY

IRRIGATION

04/01 10/31

3.200 CFS

PLACE OF USE: IRRIGATION Within LEMHI County

T15N R21E S16	SWSE	7.0	T15N R21E S21	NENE	10.0
T15N R21E S21	SENE	0.2	T15N R21E S22	NWNW	7.7
T15N R21E S22	SWNW	25.0	T15N R21E S22	SENW	5.9
T15N R21E S22	NWSW	0.4			

56.2 ACRES TOTAL

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: Decreed

Source is locally known as Spring Creek.

ESTIMATING CONVEYANCE LOSS

Carter ditch

Formula:

$$S = (W)(i)(0.0667)$$

where:

- S is loss in cfs per mile
- W is the top width of the high water mark in feet
- i is the loss rate in feet per day (see Table)
- 0.0667 is a factor used to convert to cfs per mile

Table:

Type of soil	Loss rate i (ft/day)
medium clay loam	0.5 to 1.5
impervious clay	0.5
medium soils	1.0
somewhat pervious soils	1.5 to 2.0
gravel	2.5 to 5.0

Worksheet:

$$S = (\underline{4.5} \text{ ft}) (\underline{2} \text{ ft/day}) (0.0667)$$

$$S = \underline{0.60} \text{ cfs/mi}$$

$$\text{Conveyance loss} = (S)(\text{length of ditch in miles})$$

$$\text{Conveyance loss} = (\underline{0.60} \text{ cfs/mi}) (\underline{2.4} \text{ mi})$$

$$\text{Conveyance loss} = \underline{1.44} \text{ cfs}$$

ESTIMATING CONVEYANCE LOSS

Johns ditch

Formula:

$$S = (W)(i)(0.0667)$$

where:

S is loss in cfs per mile

W is the top width of the high water mark in feet

i is the loss rate in feet per day (see Table)

0.0667 is a factor used to convert to cfs per mile

Table:

Type of soil	Loss rate i (ft/day)
medium clay loam	0.5 to 1.5
impervious clay	0.5
medium soils	1.0
somewhat pervious soils	1.5 to 2.0
gravel	2.5 to 5.0

Worksheet:

$$S = (\underline{3.0} \text{ ft}) (\underline{2.0} \text{ ft/day}) (0.0667)$$

$$S = \underline{0.40} \text{ cfs/mi}$$

$$\text{Conveyance loss} = (S)(\text{length of ditch in miles})$$

$$\text{Conveyance loss} = (\underline{0.40} \text{ cfs/mi}) (\underline{1.3} \text{ mi})$$

$$\text{Conveyance loss} = \underline{0.52} \text{ cfs}$$