

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

RIGHT NUMBER: 25-14070

NAME AND ADDRESS:

ROBERT L CLARK
3617 E 800 N
MENAN ID 83434

SOURCE:

Source:

ANNIS SLOUGH

Tributary:

SNAKE RIVER

QUANTITY:

6.720 CFS

~~1.920 CFS~~

The quantity of water under this right for stockwater use shall not exceed 13,000 gallons per day.

PRIORITY DATE:

05/15/1889

POINT OF DIVERSION:

T05N R38E S23 NESWSW
Within JEFFERSON County

**PURPOSE AND
PERIOD OF USE:**

Purpose of use

Period of use:

Quantity:

IRRIGATION

04/01 10/31

6.720 CFS

~~1.920 CFS~~

STOCKWATER

04/01 10/31

0.070 CFS

PLACE OF USE:

IRRIGATION within JEFFERSON County

T05N R38E S22 NESE 1.3

T05N R38E S22 Lot 8 NESE 20.0

T05N R38E S22 NWSE 2.0

T05N R38E S22 Lot 7 NWSE 1.8

T05N R38E S22 Lot 7 SWSE 20.0

T05N R38E S22 Lot 8 SESE 31.0

T05N R38E S23 Lot 3 NWSW 7.4

STOCKWATER within JEFFERSON County

T05N R38E S22 Lot 8 NESE

T05N R38E S22 Lot 7 NWSE

T05N R38E S22 Lot 7 SWSE

T05N R38E S22 Lot 8 SESE

T05N R38E S23 Lot 3 NWSW

83.5 ACRES TOTAL

Place of use does not include federal public lands

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

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

The quantity of water decreed for this water right for stockwater use is not a determination of historical beneficial use.

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 ALSO KNOWN AS HYRUM POOLE SLOUGH.

THIS RIGHT IS A COMBINATION OF OLD RIGHT NOS. 25-279 AND A PORTION OF 25-277.

Stockwater use is for 260 range cattle.

RIGHT NO. 25-13989 IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE.

06/08/2004

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

RIGHT NUMBER: 25-14070
NAME AND ADDRESS: ROBERT L CLARK
3617 E 800 N
MENAN ID 83434
SOURCE: ANNIS SLOUGH TRIBUTARY: SNAKE RIVER
QUANTITY: 1.920 CFS
The quantity of water under this right for stockwater use shall not exceed 13,000 gallons per day.
PRIORITY DATE: 05/15/1889
POINT OF DIVERSION:
T05N R38E S23 NESWSW Within JEFFERSON County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/01 10/31	1.920 CFS
STOCKWATER	04/01 10/31	0.070 CFS

PLACE OF USE: IRRIGATION Within JEFFERSON County

T05N R38E S22	NESE	1.3	T05N R38E S22 Lot 8	NESE	20.0
T05N R38E S22	NWSE	2.0	T05N R38E S22 Lot 7	NWSE	1.8
T05N R38E S22 Lot 7	SWSE	20.0	T05N R38E S22 Lot 8	SESE	31.0
T05N R38E S23 Lot 3	NWSW	7.4			

STOCKWATER Within JEFFERSON County

T05N R38E S22 Lot 8	NESE	T05N R38E S22 Lot 7	NWSE
T05N R38E S22 Lot 7	SWSE	T05N R38E S22 Lot 8	SESE
T05N R38E S23 Lot 3	NWSW		

83.5 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.

The quantity of water decreed for this water right for stockwater use is not a determination of historical beneficial use.

EXPLANATORY MATERIAL: Decreed

SOURCE ALSO KNOWN AS HYRUM POOLE SLOUGH.

RIGHT NO. 25-13989 IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE.

THIS RIGHT IS A COMBINATION OF OLD RIGHT NOS. 25-279 AND A PORTION OF 25-277.

Stockwater use is for 260 range cattle.

Water Right 25-14070

SCANNED
OCT 14 2004
1
PROFILED

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 25-14070
Date Received: 6/8/2004
Receipt No: E002618
Received By: HWJ

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

1. Name of Claimant(s)

ROBERT L CLARK Phone: (208)754-4238
3617 E 800 N
MENAN ID USA 83434

2. Date of Priority: 05/15/1889

3. Source: HYRUM POOLE SLOUGH Trib. to: SNAKE RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of 1/4 of 1/4 Lot	County	Type
05N	38E	22	SE SE SE 8	JEFFERSON	

5. Description of diverting works:

HEADGATE TO DITCHES AND FLOOD IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or) A.F.A
IRRIGATION	04/01	11/01	7.36	
STOCKWATER	01/01	12/31	0.07	

7. Total Quantity Appropriated is:
7.36 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
05N	38E	22	NE SE 8	IRRIGATION	21
			NW SE 7	IRRIGATION	7
			SW SE 7	IRRIGATION	19
			SE SE 8	IRRIGATION	29
			NE SE 8	STOCKWATER	
			NW SE 7	STOCKWATER	
			SW SE 7	STOCKWATER	
			SE SE 8	STOCKWATER	

Section Acres 76

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OCT 14 2004

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October 30, 2006

ROBERT L CLARK
PO BOX 1365
OVERTON NV 89040

RE: SF5 for 25-14070

Dear Claimant:

Enclosed is a copy of Standard Form 5. Please sign and date the front page, and then initial the last two pages.

Please send the completed SF5 to:

IDWR
Chris Bromley
PO Box 83720
Boise ID 83720

If you questions regarding this matter, please call 525-7161.

Respectfully submitted,

Katy Jackson
Office Specialist 1

Enclosure(s)



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Water District

DISCHARGE MEASUREMENT NOTES

Meas. No. _____

Comp. by _____

Checked by _____

Station No. _____

Date 6/2 2006 Party HOLLIDAY/GOLART/GALBRAITH

Width 4.7 Area 9.62 Vel. 2.09 G.H. _____ Discharge 20.08

Method _____ No. Secs. _____ G.H. chng _____ in _____ hrs. Susp. _____

Method coef. _____ Hor. Angle coef. _____ Susp. Coef. _____ Meter No. 290127

GAGE READINGS				
Time	Recorder	Inside	Outside	
				Type of meter <u>AA</u>
				Date Rated _____ for rod, other
				Meter _____ ft above bottom of weight
				Spin before Meas. _____ after _____
				Meas. plots _____ % diff. from rating
				Wading, cable, ice, boat, upstr., downstr., side
				<u>bridge</u> _____ feet, mile, above, below
				gage, and _____
				Check-bar, found _____
				changed to _____ at _____
				Correct _____
				Levels obtained _____
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%) based on following conditions: cross section _____

Flow _____ Weather _____

Other _____ Air _____ °F@ _____

Gage _____ Water _____ °F@ _____

Record removed _____ Intake flushed- U / L _____

Observer _____

Control _____

Remarks _____

G.H. of zero flow _____ ft.

River at --												
Angle co-efficient	Dist from initial point	Width	Depth	Observation depth	Revolutions	Time in Seconds	VELOCITY		Adjusted for Horizontal Angle or	Area	Discharge	
							At point	Mean in vertical				
REW 2.0	2.5	0.75	2.04		40	45	1.96			1.53	3.00	.80
	3.0	0.5	2.06		40	40	2.2			1.03	2.27	.85
	3.5	0.5	2.06		50	48	2.29			1.03	2.36	
	4.0	0.5	2.08		50	46	2.39			1.04	2.49	
	4.5	0.5	2.06		50	43	2.55			1.03	2.63	.90
	5.0	0.5	2.04		50	43	2.55			1.02	2.60	
	5.5	0.5	2.04		50	42	2.61			1.02	2.66	.92
	6.0	0.95	2.02		20	41	1.08			1.92	2.07	.94
LEW 6.7	4.7									9.62	20.08	.96
												.97
												.98
												.99
												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80
												.75

VEL = 2.09



Natural Resources Conservation Service
1120 Lincoln Road, Suite A
Idaho Falls, Idaho 83401

October 12, 2005

Robert Clark
3617 East 800 N.
Menan, Idaho 83434

I conducted a soils investigation in an area of approximately 80 acres in 5 N., R. 38 E southeast corner of section 22 in Jefferson County. The Jefferson County Soil Survey has this area mapped as Blackfoot silt loam, drained, 0 to 1 percent slopes.

My soils investigation shows this area to have sand and gravel at a depth of 20 to 40 inches as the dominate soil. This would fit the Labenzo soil series with a gravelly loam surface. The Labenzo soil has stratified silt loam to loam textures over sand and gravel at a depth of 20 to 40 inches. There are pockets of deeper soils and also soils that are shallow to sand and gravel.

This field data is Preliminary Data - Subject to change.

This area has been land leveled many times over the years. Swales and old channels were filled in while higher spots were leveled.

The field work for the Jefferson soil survey was conducted in the time period 1971-1974.

If you have any questions give me a call.

A handwritten signature in black ink, appearing to read "Brad Duncan".

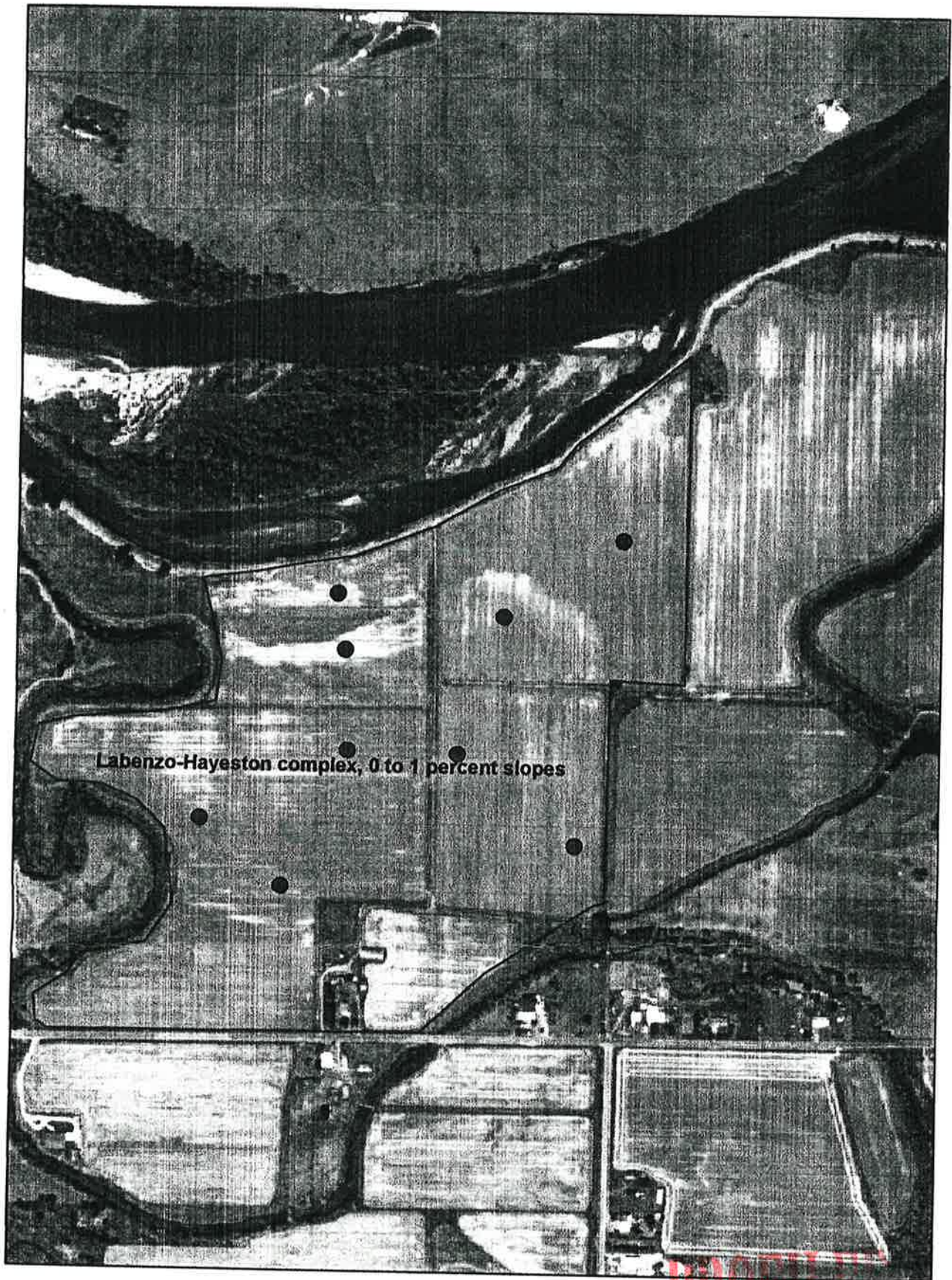
Brad Duncan
Resource Soil Scientist
NRCS
1120 Lincoln Rd., Suite A
Idaho Falls, Idaho 83401
208-522-5351 ext. 115

PROFILED

SCANNED

MAY 1 2006

Soil Investigation - Robe Clark



190 95 0 190 Meters

PROFILE SCANNED
MAY 15 2006

Preliminary Data - Subject to change

Mapunit Descriptions

Jefferson County, Idaho

52 - LABENZO GRAVELLY LOAM

Mean annual precipitation: 8 to 12 inches

Mean annual temperature: 41 to 45 degrees F

Frost-free period: 80 to 115 days

Farmland class: Prime farmland if irrigated

LABENZO and similar soils

Extent: about 75 percent of the unit

Landform(s): low river terraces

Slope gradient: 0 to 1 percent

Parent material: alluvium derived from mixed

Restrictive feature(s): strongly contrasting textural stratification

Seasonal high water table: approximately 48 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Land capability class, non-irrigated:

Land capability class, irrigated: 3s

Drainage class: moderately well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:

		Texture	Permeability	Available Water			Kw	Kf
				Capacity	pH			
Ap --	0 to 13 in	gravelly loam	moderately rapid	1.4 to 1.7 in	7.4 to 8.4		.17	.17
2C --	13 to 34 in	stratified loamy sand to silt loam	moderate	3.3 to 4.4 in	7.4 to 8.4		.37	.43
3C --	34 to 60 in	sand and gravel	very rapid	1.0 to 1.6 in	7.4 to 8.4		.05	.10

Ecological Site / Plant Association:

Preliminary Data - Subject to change

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MAY 15 2006

Taxonomic Classification of the Soils

Jefferson County, Idaho

[An asterisk following the soil name indicates a taxadjunct to the series]

Soil name	Family or higher taxonomic classification
Labenzo	Fine-loamy over sandy or sandy-skeletal, mixed, frigid Fluventic Haploxerolls

Physical Soil Properties

Jefferson County, Idaho

[Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated]

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
52:	<i>In</i>	<i>Pct</i>	<i>Pct</i>	<i>Pct</i>	<i>g/cc</i>	<i>micro m/sec</i>	<i>In/in</i>	<i>Pct</i>	<i>Pct</i>					
Labenzo	0-13	--	--	10-15	1.40-1.50	14.11-42.34	0.11-0.13	0.0-2.9	1.0-3.0	.17	.17	3	4L	86
	13-34	--	--	19-25	1.30-1.70	4.00-14.11	0.16-0.21	0.0-2.9	0.5-2.0	.37	.43			
	34-60	--	--	0-5	1.55-1.70	141.14	0.04-0.06	0.0-2.9	0.0-0.5	.05	.10			

Preliminary Data - Subject to change

Engineering Properties

Jefferson County, Idaho

[Absence of an entry indicates that the data were not estimated]

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MAY 15 2005

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number—				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
52: Labenzo	<i>In</i>				<i>Pct</i>	<i>Pct</i>					<i>Pct</i>	
	0-13	Gravelly loam	SC, SC-SM, SM	A-2, A-4	0	0	77-91	62-91	52-81	36-57	22-33	6-10
	13-34	Stratified loamy sand to silt loam	CL	A-6	0	0	90-100	80-95	60-95	60-85	30-35	10-15
	34-60	Stratified gravel to sand	GP, GP-GM	A-1	0	4-7	59-63	31-63	---	---	0-19	NP-2

Preliminary Data - Subject to change

Carlsen, Ernie

From: Fred_Price@blm.gov
Sent: Wednesday, August 31, 2005 9:48 AM
To: Larry.Brown@usdoj.gov
Cc: Chris.Bromley@idwr.idaho.gov; ECarlsen@idwr.state.id.us; Scott_Beazer@blm.gov; ray.williams@idwr.idaho.gov
Subject: Re: 25-14070 Claimant: Clark



25-14070 Clarks
blow up.pdf

The shapefile is fine as-is. The problem POUs (mixed) are listed twice: once as Lot 8 (NESE) and Lot 7 (NWSE), which is great because these are both entirely private; and again just as nominal QQs (NESE, NWSE) to represent that portion of the shape within Tract 41 (entirely private).

The NESE, as a nominal QQ, also contains BLM land in Lot 9 (see attachment to BLM's objection), so the "no fed land" remark would resolve BLM's mixed ownership objection to this POU.

The NWSE, as a nominal QQ, also contains BLM land in lots 9 and 15 (see attachment to BLM's objection), so the "no fed land" remark would resolve BLM's mixed ownership objection to this POU.
(See attached file: 25-14070 Clarks blow up.pdf)

"Larry.Brown@usdoj.gov"
<Larry.Brown@usdoj.gov>

08/29/2005 03:08 PM

To
"Chris.Bromley@idwr.idaho.gov"
<Chris.Bromley@idwr.idaho.gov>
(Receipt Notification Requested)
(IPM Return Requested),
"ECarlsen@idwr.state.id.us"
<ECarlsen@idwr.state.id.us> (Receipt Notification Requested) (IPM Return Requested)

cc

"Scott_Beazer@blm.gov"
<Scott_Beazer@blm.gov> (Receipt Notification Requested) (IPM Return Requested), "Fred_Price@blm.gov"
<Fred_Price@blm.gov> (Receipt Notification Requested) (IPM Return Requested)

Subject

25-14070 Claimant: Clark

SCANNED

SEP 28 2005

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Just talked to Mr. Clark. We agreed to resolve BLM's objection by adding the following remark under the place of use element:

"The use of water under this right does not include a use on federal public land."

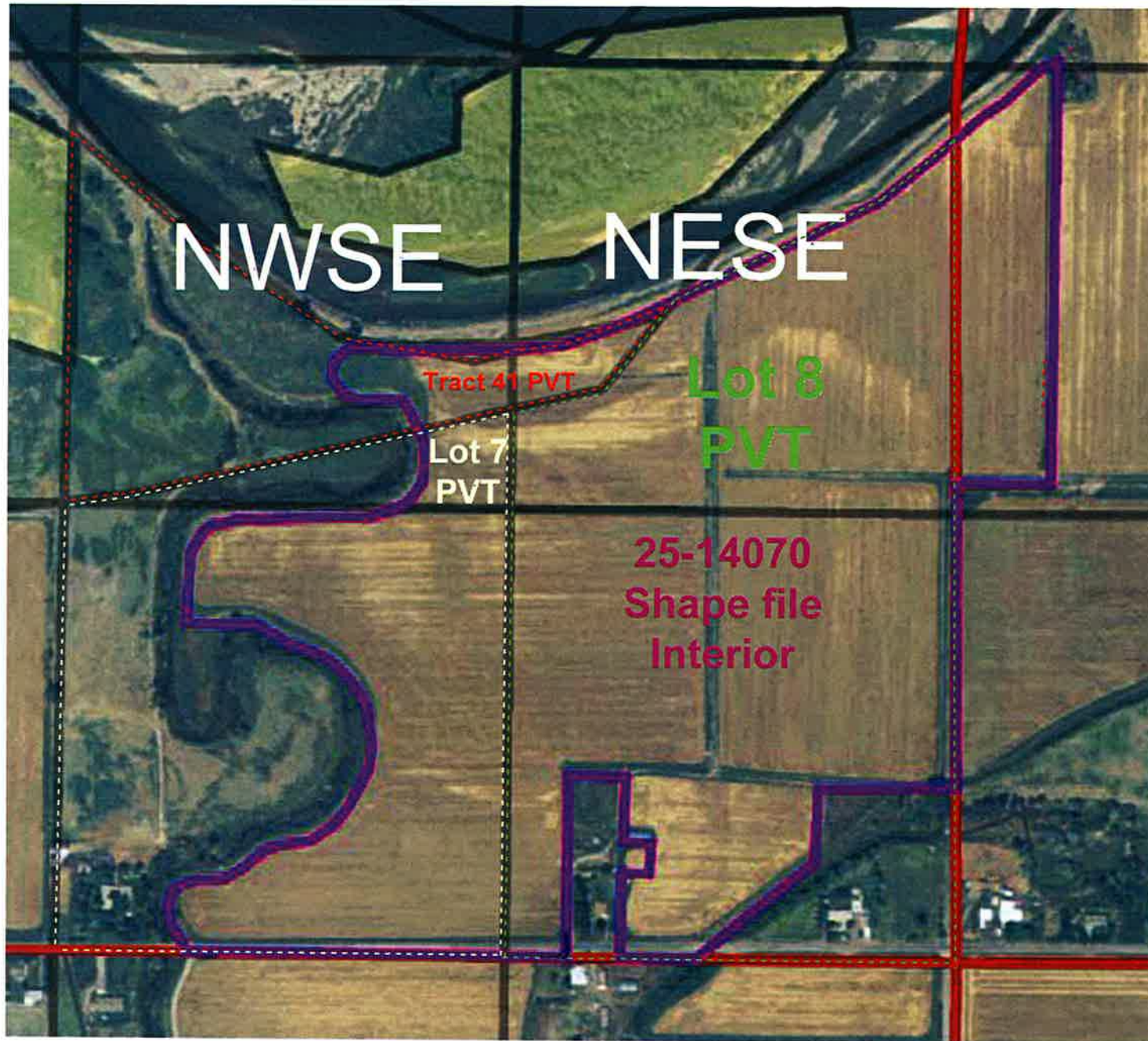
Please draft an SF-5, tell Fred or Scott when its done - - - etc. etc.
Thanks,

Larry

SCANNED
SEP 28 2005

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Clark – 25-14070; T05N R38E S22



PROTECTED

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SEP 28 2005

CLAIMANT CONTACT

12/1/2004

I talked with Robert Clark on the phone this morning regarding his notice of error reply. I explained that our recommended diversion rate was based on our Hubble analysis and that I would not be able to alter my recommendation unless he could provide evidence that shows that his land requires more than 0.023 cfs per acre for effective irrigation. I also explained that payment of his water measurement district bill for 7.36 cfs would not serve as evidence towards his recommended diversion rate. Mr. Clark was convinced that he needed more than 1.92 cfs to irrigate his ground, although his ditch has not been measured. He understood his need to provide evidence for a higher rate and is planning on visiting the Farm Service Agency to acquire data from them.

I also explained to Mr. Clark that his water right had been renumbered because the claim is a combination of 2 different water rights.

PROFILED

M. Terry

06/08/2004

NOTICE OF ERROR
REPLY

m H

Please type or print clearly, fill out this form completely and mail.

Return this reply form to IDWR by the deadline date printed below if you want IDWR to change your recommendation or you want to let IDWR know that you agree with its recommendation.

YOUR DEADLINE FOR RETURNING A NOTICE OF ERROR REPLY IS:

Water right number: 25-14070

ROBERT L CLARK
3617 E 800 N
MENAN ID 83434
Telephone Number: (208)754-4238

RECEIVED

NOV 18 2004

Department of Water Resources
Eastern Region

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

The quantity of water that is being allotted is only 1.920 CFS

2. Describe the changes you wish to make in the proposed recommendation:

1.920 CFS changed to 7.36 CFS which we are being assessed for by East ESPA Water Measurement District

3. Give a brief explanation as to why you disagree with these portions:

Below

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NOV 22 2004

☐ I AGREE with this proposed recommendation: no changes need to be made.

DATE: Nov 8-2004

SIGNATURE: _____

Please print your name: _____

Robert L. Clark

IDWR Regional Office, 900 N Skyline Dr Ste A, Idaho Falls, ID 83402, 2085257161

3. I disagree with the amount of water that IDWR has allotted me. I have the original abstract for the water I own, stating the amount that I own is 368 miners inches. I am being charged for 7.36 CFS by East ESPA Water Measurement District. IDWR wants to allot me only 1.920 CFS.

I don't understand how water that has been bought and paid for in good faith can be taken away. I was out of the state at the time of your meeting and could not attend it.

Enclosed is a copy of my assessment notice. I also don't understand why each form has a different water right number. Richard Sheppard (who has water on the same slough) and I met with Michael Halliday in October and expressed our concerns to him.

I have highlighted the different water right numbers. see BACK of Page

**EAST ESPA WATER MEASUREMENT DISTRICT 2004
ANNUAL ASSESSMENT NOTICE**

02-Mar-04

Reporter No. 473

ROBERT L CLARK

3617 E 800 N

MENAN ID 83834

*pd march 25-2004
CK No 1332*

Water Rt Number(s)	NAME	Water Right CFS	CRP Right	Billing CFS
25-00277	ROBERT L CLARK	7.36		7.36
Total Water Right Billing Diversion Rate:				7.36 CFS
Pro-rate cost factor = \$25.00 per cfs				
(1) Assessed pro-rate cost				\$184.00
Total number of CRP Diversions		Total number of regular diversions		1
(2) Total number of CRP diversions x \$100.00 + Total number of regular diversions x \$50.00:				\$50.00
Total 2004 assessment (1) + (2) :				\$234.00

PLEASE REMIT PAYMENT ON OR BEFORE MAY 1, 2004

Assessments not paid by May 1, 2004, shall bear interest from the date due until paid at the rate of eight percent (8%) per annum.

We have carefully tried to describe your points of diversion and flow rates authorized by water rights without duplication or error. If you feel there is a mistake, please contact the water measurement district office at (208) 525-7171.

Please note that if a diversion has multiple owners, each owner will receive a copy of this bill. However, it only needs to be paid once.

Please contact the district with any new phone, email, or operator information. This will enable our water agents to have better success contacting you before an exam.

(keep this portion for your records)

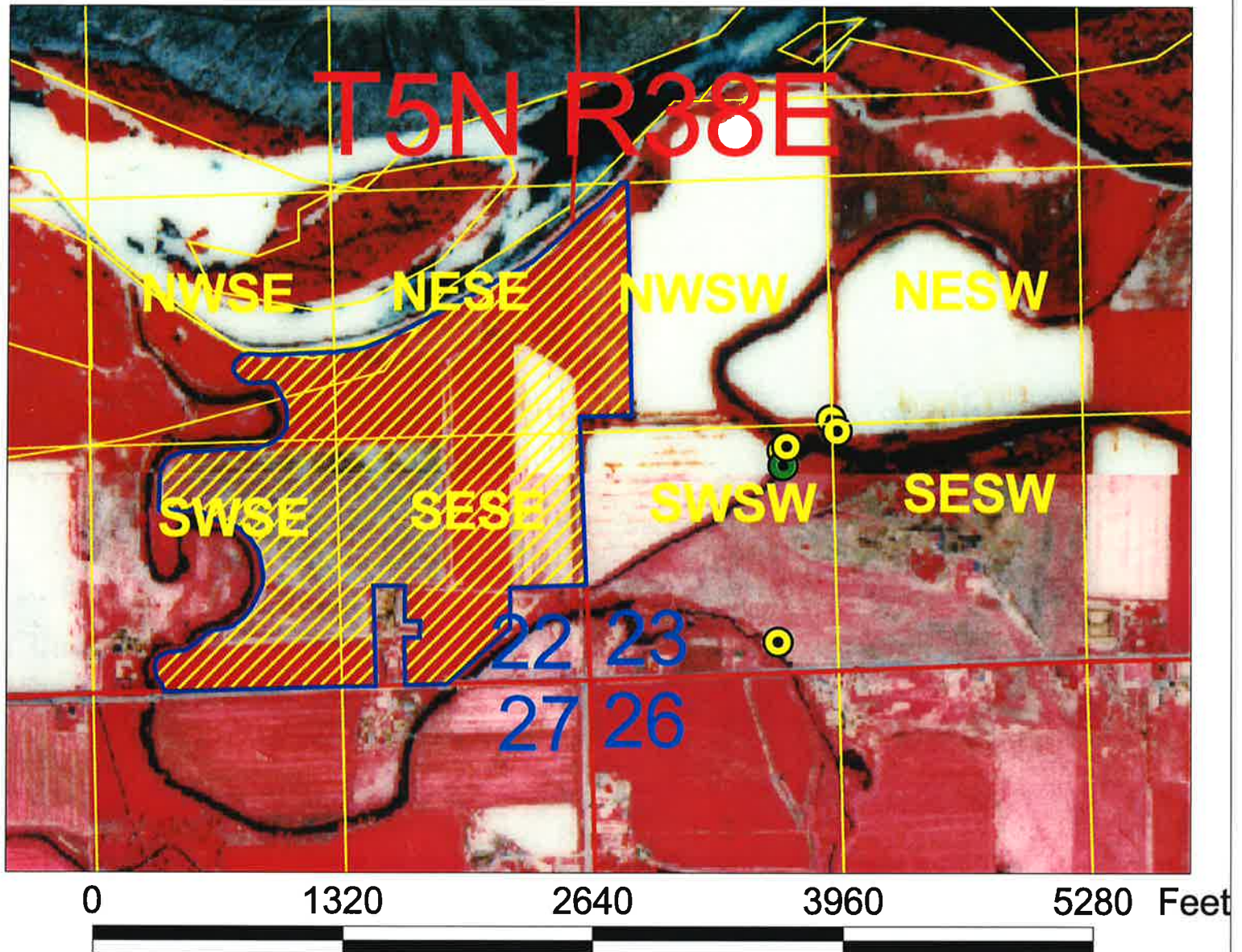
PROFILE
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NOV 22 2004



Department of Water Resources

Claim No.: 25-14070



-  Place of Use
-  Sections
-  QQ
-  Point of diversion

SCANNED
OCT 14 2004

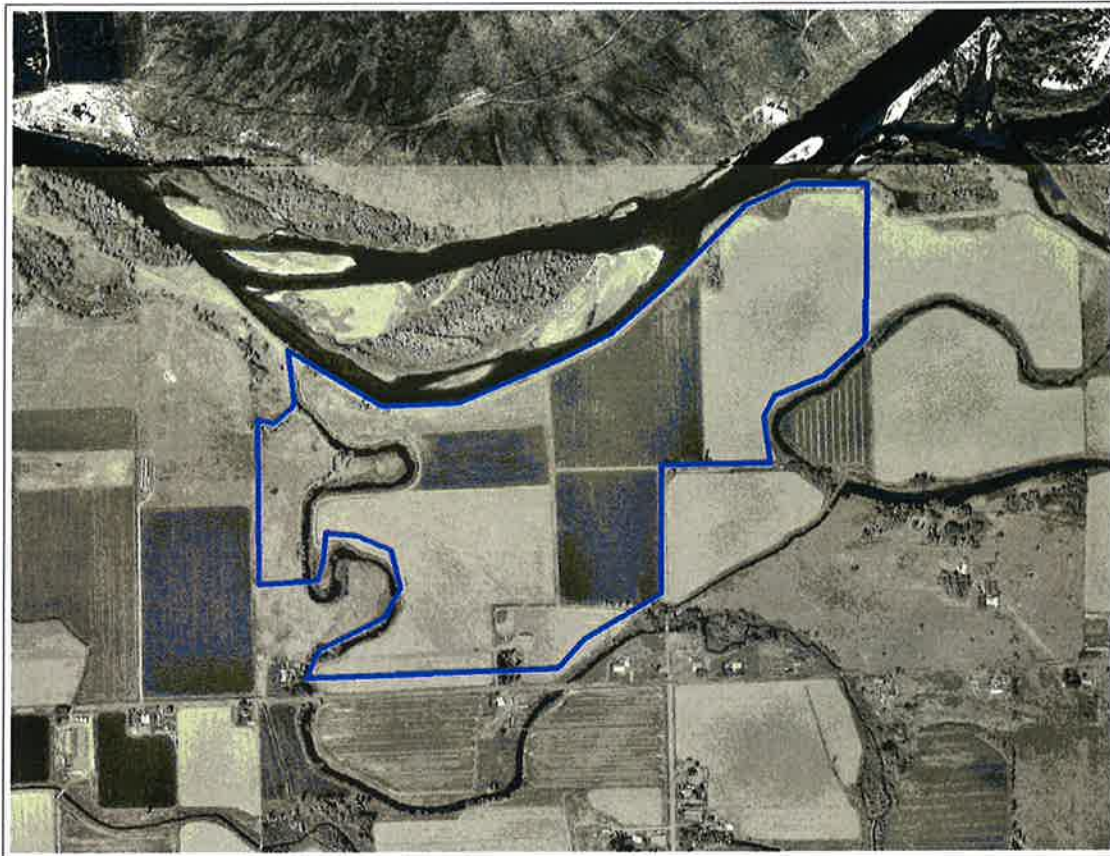
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GIS Place of Use Illustration
1987/88 NAPP Photography
Prepared by M. Holliday
Date: June 2004

IRRIGATION REQUIREMENT ANALYSIS

25-277, 25-278, 25-13989

Claimants: Sheppard, Riggs, and Clark



Scott King

Idaho Department of Water Resources

Adjudication Bureau

September 17, 2003

SCANNED

OCT 14 2004

PROFILE

INTRODUCTION

This report presents a determination of Field Irrigation Requirements (FIR) for a farm located south of the Menan Buttes in Basin 25. Identified SRBA water right claims include 25-277, 25-278, and 25-13989. These claims identify diversion from the Hyrum Poole Slough for irrigation of 144.5 acres in Sections 22 and 23 of T5N R38E. Based on the Hubble analysis, this farm has field irrigation requirements of 0.023 cfs per acre.

ANALYSIS

FIELDS

Fourteen individual fields were identified based interpretation of 1987 and 1992 aerial photography (see Figures 1 & 2). Furrow direction was determined from photo inspection, and furrow length ranged from 500 to 1400 feet (see Figure 3). Slope was estimated at 0.005 based on topographic maps, and this value was used for analysis of all fields.

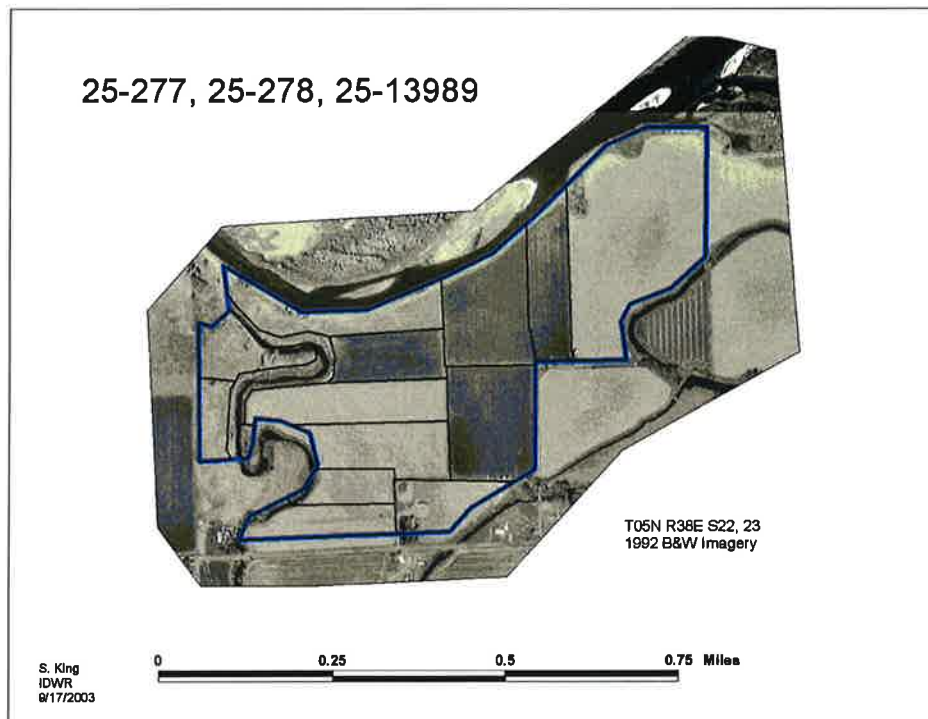


Figure 1. Field boundaries and 1992 image.

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OCT 14 2004
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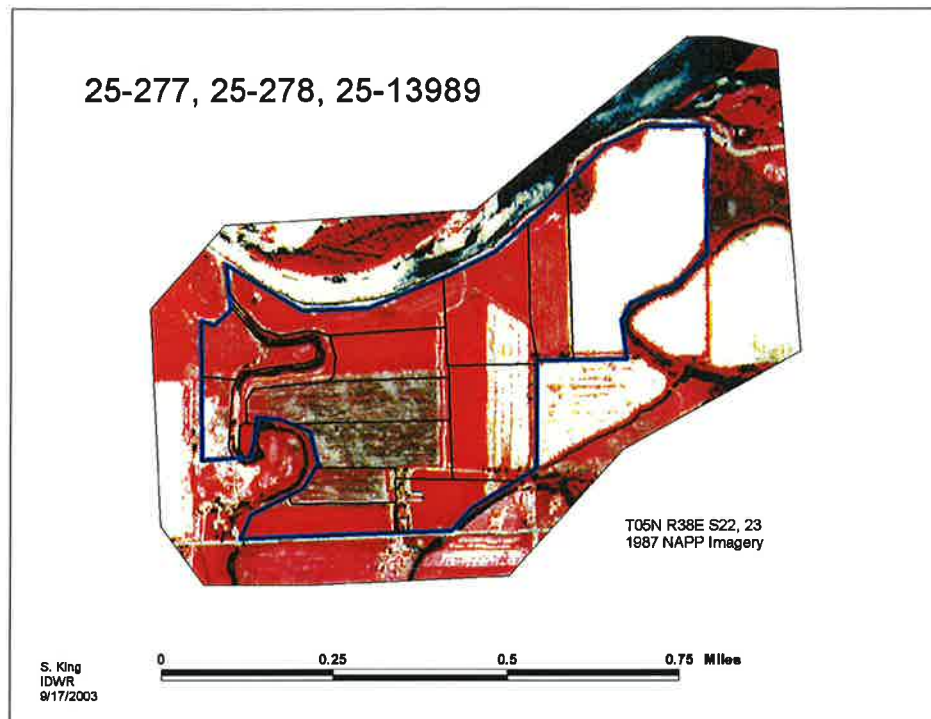


Figure 2. Fields boundaries and 1987 NAPP image.

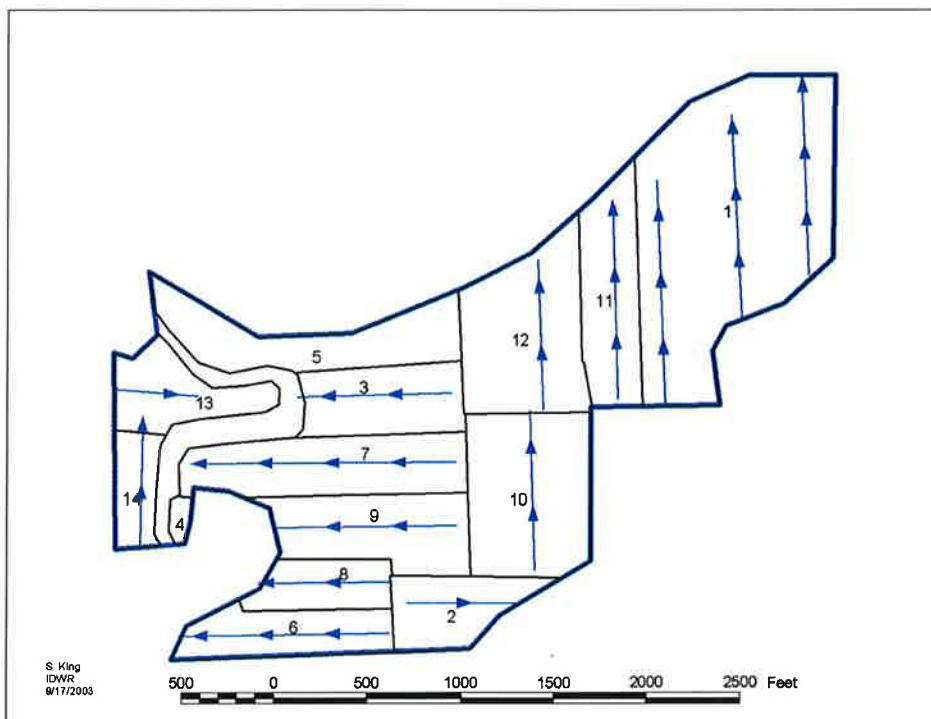


Figure 3. Field ID number and furrow direction.

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OCT 14 2004
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SOILS

Soil information is provided by the Natural Resource Conservation Service digital SSURGO database. Figure 4 identifies the soil types with Blackfoot Silt Loam clearly dominating. An analysis of Blackfoot Silt Loam is shown in Figure 5, and is also included in the appendix. The loamy soils identified have a furrow intake family value in the 0.5 to 0.56 range, which is considered moderate. Water infiltrates slowly into low intake family soils, and quickly when the intake family is high (heavy clay = 0.3; sand = 0.8). The soil is deep and has a good water holding capacity (AWC).

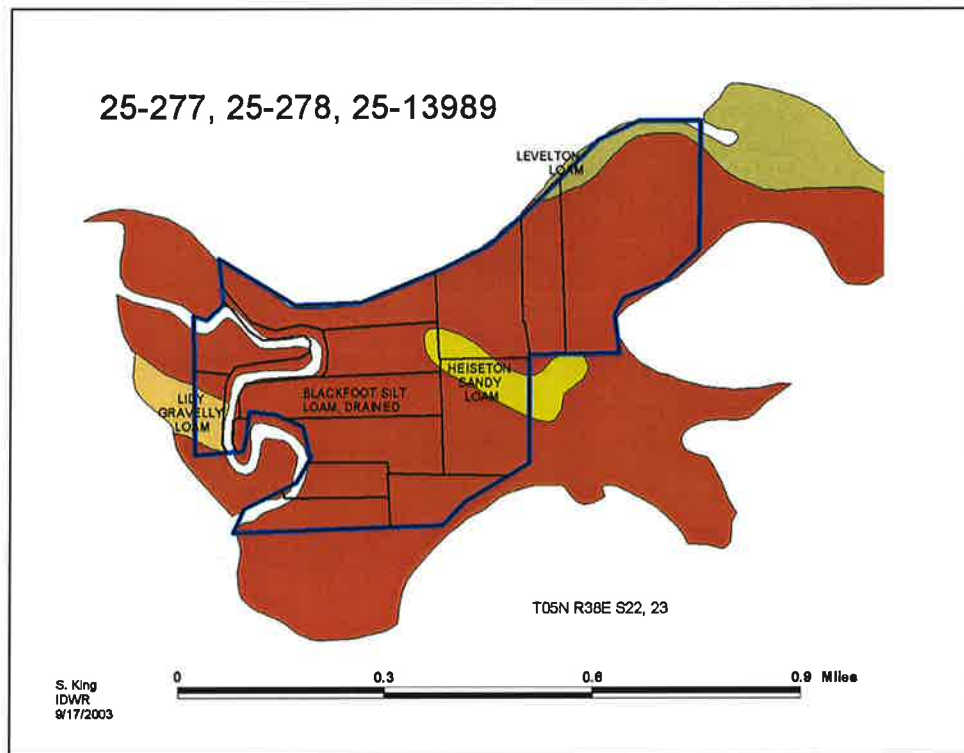


Figure 4. Soil types identified by NRCS.

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OCT 14 2004
PROFILE

SOIL CHARACTERISTICS				initials: sk	date: Sept 16, 2003
Soil Name = Blackfoot Silt Loam, Drained					
Soil Type = 0-10" = Silt loam; 10-16" = Loam, silt loam; 16-22" = Silty clay loam, 22-60" = Stratified fine sandy loam / silty clay loam					
Source of Soils Data = SSURGO Digital Soils Database, ToClip					
soil depth (inches)		AWC (in/in)		PH	
				organic (%)	
				soil depth (ft)	
				AWC (inches)	
				intake family	
lower	upper	lower	upper	lower	upper
0	10	0.19	0.21	7.4	8.4
10	16	0.16	0.18	1	3
16	22	0.19	0.21	1	2.34
22	60	0.13	0.21	2	4.56
				3	6.60
				4	8.64
				5	10.68
					alternate method
					2 0.56
Management Allowed Deficit (MAD)					
crop		root depth (ft)		stress point	MAD (inches)
alfalfa (hay or seed)		5		0.5	5.34
corn (field or silage)		4		0.5	4.32
grain (winter or spring)		4		0.5	4.32
pasture (or grass hay)		3		0.5	3.30
other (enter below)					

Figure 5. Blackfoot silt loam soil characteristics.

CROPS

Grain is the primary crop identified and was used for the farm except for 19 acres of pasture for fields 4, 5, 13 and 14. This cropping pattern was provided as being representative of historic growing practices. Other cropping patterns may result in higher or lower irrigation requirements.

CLIMATE

The Idaho Falls FAA weather station was used as the basis for crop evapotranspiration (ET) requirements for this farm. 80th percentile values of monthly ET for this station are included in the Appendix.

IRRIGATION EFFICIENCY

The FURROW program written by the NRCS is used to estimate irrigation efficiency based on the following input parameters:

- irrigation application depth (inches of water, equivalent to MAD in Figure 5)
- irrigation type (corrugate or furrow)
- furrow length (ft)
- furrow spacing (ft)
- furrow slope (ft/ft)
- soil intake family (dimensionless)
- furrow inflow rate (gpm)
- application time (hours)

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Inflow rate is adjusted for application times in 12 hour increments in order to determine the optimum efficiency. For the Blackfoot silt loam, soil intake family values of 0.50 and 0.56 were both used, and the lower resulting efficiency used for final analysis. Irrigation efficiency is determined for every field.

FIELD IRRIGATION REQUIREMENT

Table 1 provides a summary of conditions for each field including furrow length, representative soil type, field size, crop type, and irrigation efficiency (or field application efficiency, FAE). FAE values are the result of Furrow program runs; results of these runs are included in the appendix.

FIELD ID	FURROW LENGTH (ft)	REPRESENTATIVE SOIL	ACRES	CROP	FAE (%)
1	1100	Blackfoot Silt Loam	32.0	Grain	55
2	600	Blackfoot Silt Loam	5.7	Grain	64
3	800	Blackfoot Silt Loam	7.2	Grain	67
4	500	Blackfoot Silt Loam	0.6	Pasture	70
5	500	Blackfoot Silt Loam	9.3	Pasture	70
6	1100	Blackfoot Silt Loam	6.3	Grain	55
7	1400	Blackfoot Silt Loam	10.6	Grain	52
8	650	Blackfoot Silt Loam	4.4	Grain	65
9	950	Blackfoot Silt Loam	9.2	Grain	68
10	850	Blackfoot Silt Loam	13.2	Grain	67
11	1050	Blackfoot Silt Loam	8.4	Grain	56
12	800	Blackfoot Silt Loam	12.7	Grain	67
13	500	Blackfoot Silt Loam	5.8	Pasture	70
14	650	Lidy Gravelly Loam	3.3	Pasture	38
			128.9		

Table 1. Summary of furrow length, soil, area, and FAE for each field.

Figures 6 and 7 present spreadsheets used to determine the irrigation requirements based on crop ET requirements, net irrigation application (equivalent to MAD values from the soil analysis spreadsheet, Figure 5), and FAE. Figure 6 includes grain crops at various furrow lengths for the Blackfoot silt loam soil. Figure 7 shows pasture crops with 500 ft furrows in Blackfoot silt loam, and 650 ft furrows in Lidy gravelly loam. Total on-farm irrigation requirement from both Figures 6 and 7 is $2.60 + 0.35 = 2.95$ cfs; a total acreage of $109.7 + 19 = 128.7$ acres; and resulting in an on-farm average of $2.95 \div 128.7 = 0.023$ cfs per acre.

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FIELD IRRIGATION REQUIREMENT														
initials:	SNK			Claimant = 25-277, 25-278, 25-13989 (Shepperd, Riggs, & Clark)										
date:	09/16/03			Weather Station = Idaho Falls FAA										
crop	acres	irrig. system	eff. (%)	Monthly ET (mm/day)							AVE IR season (mm/yr)	net irrig. app. (in)	ET ratio	irrig. freq. (days)
				mar	apr	may	jun	jul	aug	sep	oct			
grain 600'	5.7	cor	64		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 650'	4.4	cor	65		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 800'	19.9	cor	67		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 850'	13.2	cor	67		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 950'	9.2	cor	68		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 1050'	8.4	cor	56		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 1100'	39.3	cor	55		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
grain 1400'	10.6	cor	56		1.44	3.09	7.53	8.13	2.97		739	4.32	1.06	12.7
Summary	109.7													
Peak Gross Irrigation Application (mm/day) =							14.31							
On-Farm Irrigation Requirement (cfs/acre) =							0.024							
Total On-Farm Irrigation Requirement (cfs) =							2.60							
Irrigation Diversion Volume (ft/yr) =							4.03							
Total Irrigation Diversion Volume (ac-ft/yr) =							441.69							

Figure 6. Field irrigation requirement spreadsheet for grain fields.

FIELD IRRIGATION REQUIREMENT														
initials:	SNK			Claimant = 25-277, 25-278, 25-13989 (Sheppard, Riggs, & Clark)										
date:	09/16/03			Weather Station = Idaho Falls FAA										
crop	acres	irrig. system	eff. (%)	Monthly ET (mm/day)							AVE IR season (mm/yr)	net irrig. app. (in)	ET ratio	irrig. freq. (days)
				mar	apr	may	jun	jul	aug	sep	oct			
past 500'	15.7	cor	70		2.52	5.01	6.03	6.33	5.06	3.91	2.56	801	3.30	1.08
past 650'	3.3	cor	38		2.52	5.01	6.03	6.33	5.06	3.91	2.56	801	1.88	1.11
Summary	19													
Peak Gross Irrigation Application (mm/day) =							11.28							
On-Farm Irrigation Requirement (cfs/acre) =							0.019							
Total On-Farm Irrigation Requirement (cfs) =							0.35							
Irrigation Diversion Volume (ft/yr) =							4.30							
Total Irrigation Diversion Volume (ac-ft/yr) =							81.763							

Figure 7. Field irrigation requirement spreadsheet for pasture fields.

RESULTS & CONCLUSIONS

The above analysis indicates an average field irrigation requirement of 0.023 cfs per acre, slightly above the standard of 0.02 cfs per acre. The silt loam soils present on this farm appear to be well suited for surface irrigation. System efficiency could be increased somewhat by splitting fields longer than 1000 feet.

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AJ5809NP
No. A25-00277

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT

DATE: 10/26/00
PAGE: 49

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	ROBERT L CLARK 3617 E 800 N MENAN ID 83434 (208) 754-4238	05/15/1889	IRRIGATION STOCKWATER	04-01 11-01 01-01 12-31	7.360 CFS 0.070 CFS	
TOTAL DIVERSION: CONSUMPTIVE USE:					7.360 CFS	208.70 AFA

Water Source: HYRUM POOLE SLOUGH

Tributary to: SNAKE RIVER

Stage: DECREED

Point(s) of Diversion:

T05N R38E S22 Lot08(SESESE)

JEFFERSON County

Place of use Legal Description for: IRRIGATION

				NE				NW				SW				SE							
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	SUM		
05N	38E	22	:															08-21	07-07	07-19	08-29	:	76.0
05N	38E	23	:																			:	7.5
																				TOTAL ACRES	:	83.5	

Place of use location for STOCKWATER is the same location as described for: IRRIGATION

POU County: JEFFERSON

Non-Irrigation Uses: STOCK FOR UP TO 260 HEAD OF CATTLE

Other Rights: NONE

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):
A25-00277B

Other Water Rights Listing Overlapping Place(s) of Use:
A25-00277A A25-00277B

Dates: Exam Made Date:

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag:

Audit: 09/26/88 JONES 03/29/95 POST-STD

TAG ON FENCE POST BY FIELD OUTLET

From WMIS!

A0006156

N 295676.00

E 663941.00

Good in.

HY POOLE, SHP
25-277+SHR
MABEL, SHP

*

claimed Pool appears
to cover part of
decreed WR 25-277
and 25-279.

new number is
25-14070

Robert Clark 317-86402
754-4754 H

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WMS ET data was for 6/00
of 1500 and 1500 of positive
in 2002.

Clark & Ryge above
comment P/D.

E 664017

N 295620

P/D for Jack Ryge was

John Scott, Josiah Scott, + Mabel McMurtry vs.
Eden Merrill, George Rainer, J. D. Duffy + Sylvanus Hawke

HYRUM POOLE SLOUGH

11.68 CFS

5/15/1889

25-277

JOHN SCOTT

7.36 CFS

92 ACRES

25-278

JOSIAH SCOTT

3.52 CFS

44 ACRES

25-279

MABEL MCMURTRY

0.80 CFS

10 ACRES

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OVER CLAIMED

25-277

ROBERT CLARK
7.36 CFS

WR

25-277

JOHN SCOTT
7.36 CFS

5/15/1889

HYRUM POOLE SLOUGH

4/1 - 10/31

92 acres

25-277 A

GAIL SHEPPARD
3.52 CFS

This div rate
corresponds to
25-278.

25-277 B

JACK RIGGS
1.20 CFS

PROFILED
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OCT 14 2004



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, ID 83402-1718 • Phone: (208) 525-7161 FAX: (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

February 28, 2003

Dear Claimant in the Snake River Basin Adjudication (SRBA):

About 13 years ago you or your predecessor filed with the Idaho Department of Water Resources a claim to water right in the Snake River Basin. The investigation phase of this process is now focused on your area, Basin 25.

You are invited to attend a **public meeting to be held on March 10 at 7:00 p.m. in the West Coast/Red Lion Hotel, 475 River Parkway, Idaho Falls, Targhee and Bonneville Rooms.** The purpose of this meeting is for (1) the Department to update you on how the adjudication process works, and (2) for you, the claimant, to express concerns or discuss problems relating to water delivery in your area. This will help us to understand from an historical perspective the use and delivery of your water right.

Throughout this summer our adjudication staff, primarily from our Eastern Regional Office but also at times from Boise, will be contacting various water users in Basin 25. We ask for your cooperation in this process – the better we understand your water rights the better chance of you receiving an accurate decree from the SRBA Court that fully describes your water rights.

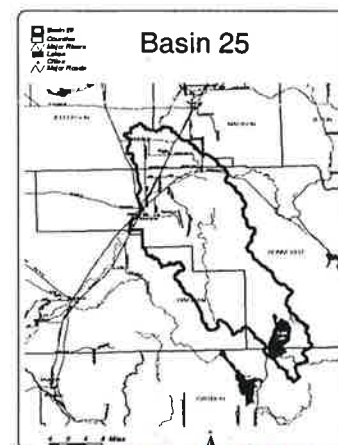
This investigation effort is being conducted by an experienced and successful staff. During recent years, this staff has accurately investigated and reported water rights in neighboring basins including the Big Lost River, the Little Lost River, Birch Creek, Camas Creek and the Portneuf River.

Please contact the Idaho Falls Office with any questions.

Sincerely,

Ernest Carlsen
Adjudication Supervisor, Eastern Region

Enclosure: Information Brochure



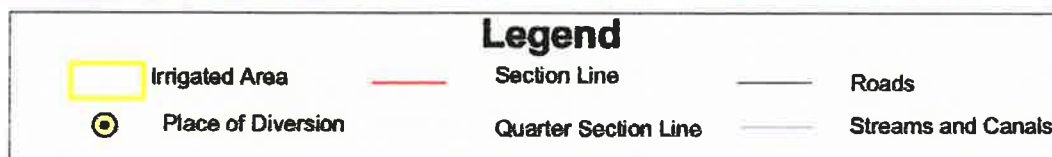
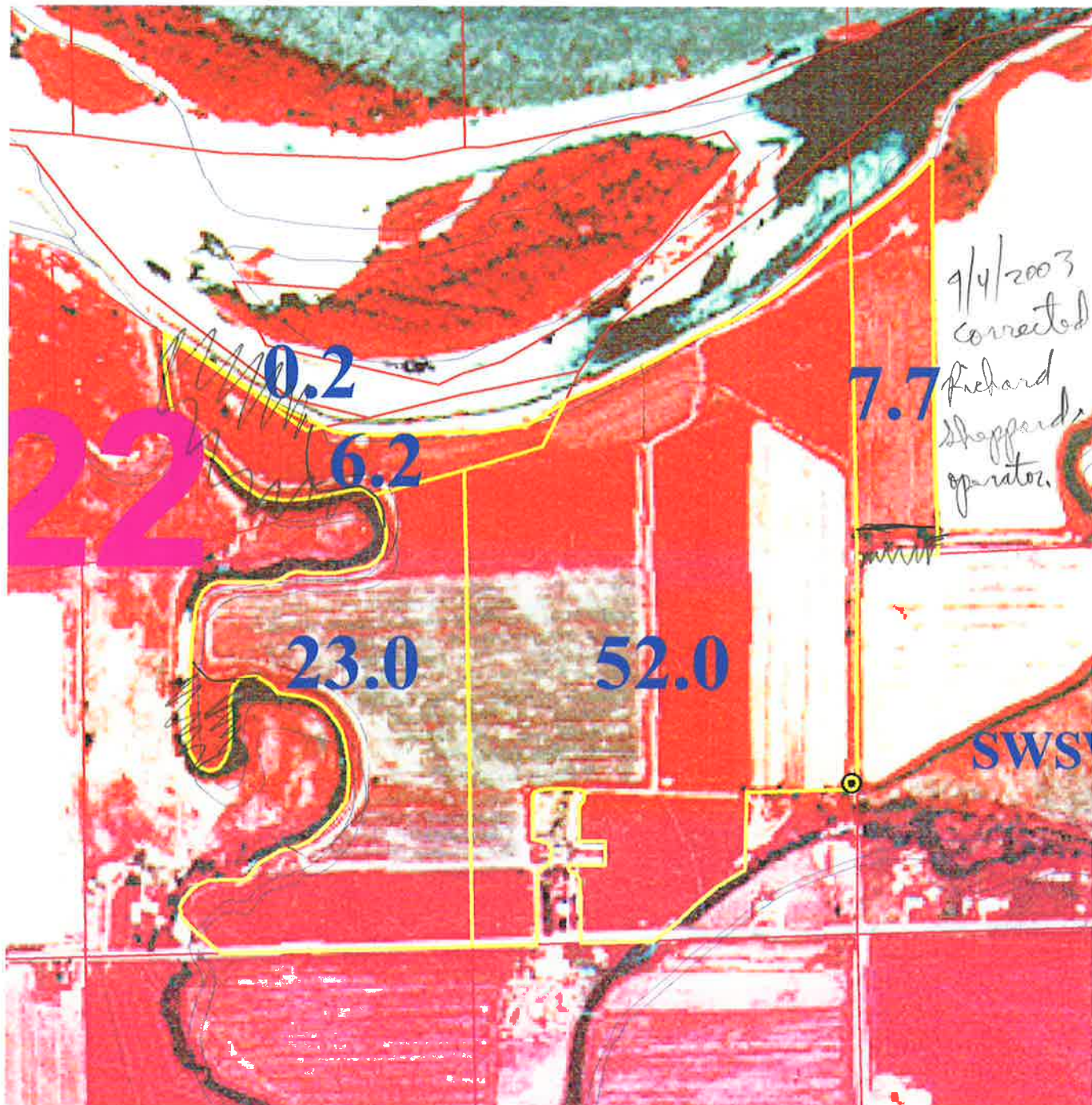
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OCT 14 2004

Water Right Claim Number 25-00277
Townships , 5N38E, 5N38E

12/19/2000



300 0 300 600 900 Feet



PROFILED

SCANNED
DYNAMICS

SEP 28 2005

SCANNED

JUL 27 2001

133.50

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

RENUMBERED TO: 25-14070
Ident. Number: ~~A25-00277~~
Date Received: 9/26/1988
Receipt No: E2002618
Received By: HWT

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: ROBERT L. CLARK 208-754-4238
Address: 3617 E. 800 N.
MENAN, ID 83434

2. Date of Priority: MAY 15, 1889

3. Source: HYRUM POOLE SLOUGH Trib. to: SNAKE RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
05N	38E	22	SE	SE	SE	8	JEFFERSON

5. Description of diverting works:
HEADGATE TO DITCHES AND FLOOD IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	7.360		
STOCKWATER	01/01	12/31	0.070		

7. Total Quantity Appropriated is:
7.360 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 208.7 Acre Feet Per Annum.

9. Non-irrigation uses:
STOCK FOR UP TO 260 HEAD OF CATTLE

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
05N	38E	22	NE	SE	8	IRR	21.0
			NW	SE	7	IRR	7.0

A25-00277

Page 1

Date: 09/26/88

MICROFILMED

NOV 10 1992



10. Place of Use: Continued

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
05N	38E	22	SW	7	IRR	19.0
			SE	8	IRR	29.0
					Section Acres	76.0
		23	NW	3	IRR	7.5
					Section Acres	7.5
					Total Acres	83.5

11. Place of use in counties: JEFFERSON

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

13. Other Water Rights Used:
NONE

14. Remarks:

15. Basis of Claim: DECREED
Water Right Number: 250277
Case Number:
Court :
Decree date: 9/25/1919

JOHN R. SCOTT

Decree Plaintiff

vs

ELLEN MERRILL

Decree Defendant

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): x Robert L. Clark Date: x 9-26-88

Date: _____

State of Idaho)
County of Bonneville) SS.

Subscribed and sworn (or affirmed) before me this 26th day
of September 19 88

Betty J. Thompson
Notary Public

Seal

Residing at Idaho Falls
My Commission Expires 6-94

M. J. G. 904

$$\begin{array}{r} 15 \\ 22 \overline{) 23} \end{array}$$

CLARK 104.0

238E

R.D.

MICROFILM

NOV 10 1952

5-11

NOT TO SCALE