

COPY

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: A72-00028
Date Received: 11/15/1989
Receipt No: M005218 M005218
Received By: SA

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: LOYE E. WREN 208-879-4235
Address: D.B.A. 3W RANCH LTD.
P. O. BOX 647
CHALLIS, ID 83226
OR
Name: DOROTHY M. WREN 208-879-4235
Address: D.B.A. 3W RANCH LTD.
P. O. BOX 647
CHALLIS, ID 83226
OR
Name: STEPHEN C. WREN 208-879-4235
Address: D.B.A. 3W RANCH LTD.
P.O. BOX 647
CHALLIS, ID 83226

2. Date of Priority: APR 01, 1909

3. Source: MILL CREEK Trib. to: CHALLIS CREEK

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
14N	18E	14	SW	NE	SE		CUSTER
			SE	NW	SE		CUSTER
			SW	SW	SE		CUSTER

5. Description of diverting works:
DITCH HEADING IN STREAM TO LOCABLE HEADGATE. GRAVITY SPRINK/FLOOD

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.000		

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

A72-00028

Page 1

Date: 11/15/89

MICROFILMED

MAR 17 1993

COPY

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: A72-00028
Date Received: 11/15/1989
Receipt No: MO05218 MO05218
Received By: ED

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: LOYE E. WREN
Address: D.B.A. 3W RANCH LTD.
P. O. BOX 647
CHALLIS, ID 83226
208-879-4235

OR

Name: DOROTHY M. WREN
Address: D.B.A. 3W RANCH LTD.
P. O. BOX 647
208-879-4235

Name:
Address: 208-879-4235

2. Date
3. Source: CHALLIS CREEK
4. Point
Townsh 14N Lot County
CUSTER
CUSTER
CUSTER

5. Description: *these acres werent originally
DIT claimed, but looked to be
6. Water part of Place of Use, so I
Purpo included them in my
IRRIG recommendation.
7. Total

A72-000 "L" record created 11/19/89 which
removed these acres & changed
Season of Use.
— Ready for SF5) —
Date: 11/15/89

MICROFILMED

MAR 17 1993

8. Total consumptive use is 150.0 Acre Feet Per Annum.

9. Non-irrigation uses:

INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

10. Place of Use:

Township	Range	Section	1/4	of 1/4	Lot	Use	Acres
14N	18E	14	SE	NE		IRR	12.0
			NE	SE		IRR	17.0
			NW	SE		IRR	8.0
			SW	SE		IRR	23.0
Section Acres							60.0
Total Acres							60.0

11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:
NONE

14. Remarks:

TRANS. 2792.

THIS NOTICE COVERS ENTIRE USE OF WATER THAT CLAIMANT HAS FROM
MILL CREEK, TRIB TO CHALLIS CREEK.

72-04136 WAS FILED FOR THIS SAME USE IN ERROR AND WILL NOT
BE CLAIMED IN THE SNRBA.

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date:

STEPHENS, ET. AL.

Decree Plaintiff

vs

SHAW, ET. AL.

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 2 wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: 1

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): Loyle L. Brown Date: 11/15/89

Date: _____

State of Idaho)
County of Custer) SS.

Subscribed and sworn (or affirmed) before me this 15 day
of November 19 89

[Signature]
Notary Public

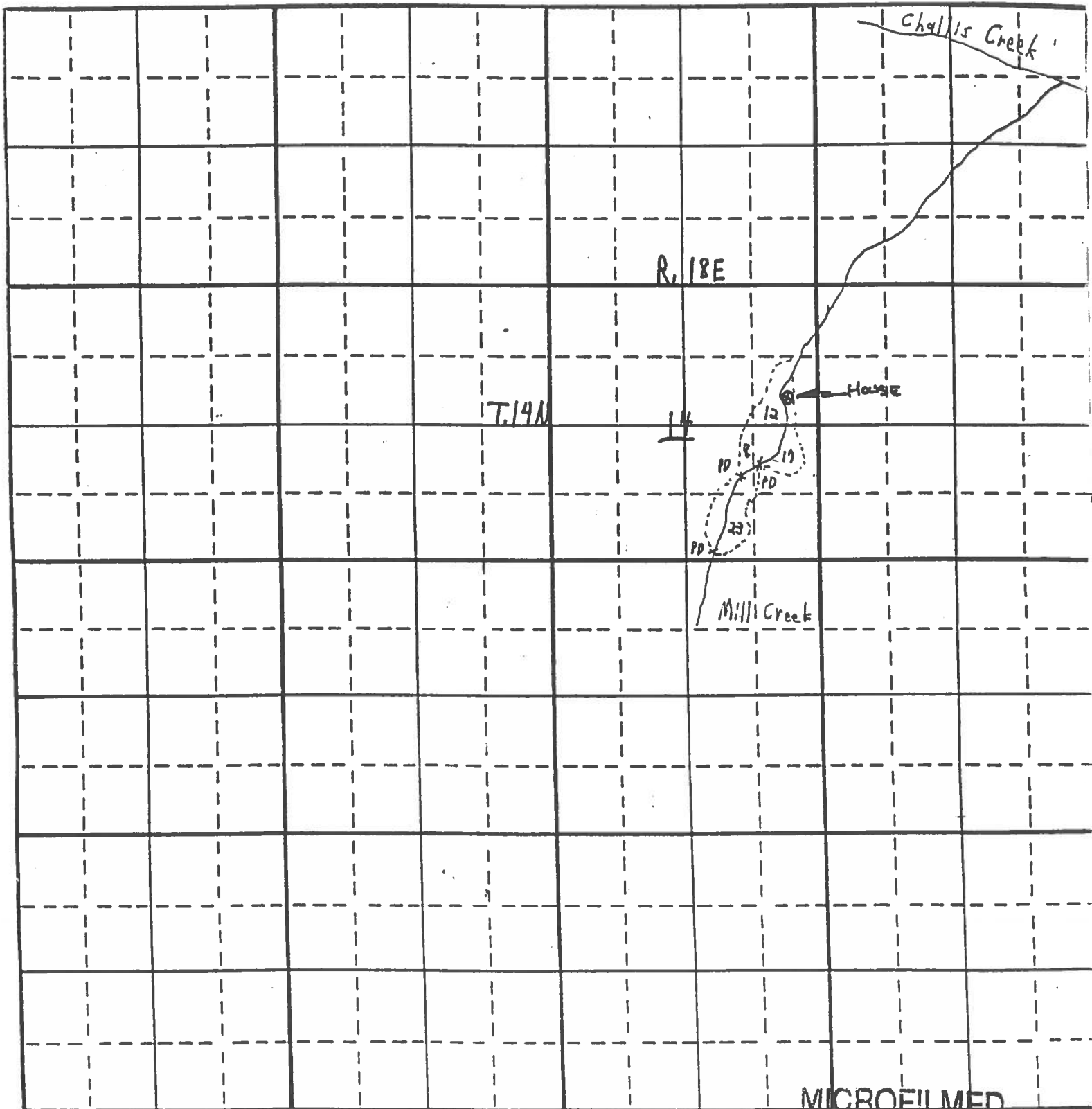
Seal

Residing at Idaho Falls, O. 2
My Commission Expires 22 Aug 1994

4. Describe any other water rights used for the same purpose as described above.

none

5. Draw a map indicating the new point(s) of diversion and/or the new land to be irrigated. Show clearly the land involved by section, township and range number.



MICROFILMED

RECEIVED

DEC 6 1999

Department of Water Resources

DISTRICT COURT SRBA
FIFTH JUDICIAL DISTRICT
COUNTY OF TWIN FALLS, STATE OF IDAHO

DEC 1 1999

BY

CLERK

DEPUTY CLERK

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

In Re SRBA

Subcase

12-00028

(Insert Water Right Number)

Case 39576

STANDARD FORM 5

STIPULATED ELEMENTS OF A
WATER RIGHT

This form is used to report the stipulated elements of one water right acquired under state law and/or one federal reserved water right. Submission of this form will not automatically result in the issuance of a partial decree. The Presiding Judge or Special Master will conduct any hearing necessary to determine whether the facts, data, expert opinions and law support the issuance of a partial decree for the water right.

The parties agree that the Snake River Basin Adjudication Court has jurisdiction of the parties and subject matter to enter a partial decree for this water right; that they have been served with sufficient process, according to the law; and that they have appeared, prosecuted, and defended their positions with regard to this water right dispute.

The parties and IDWR agree and stipulate that the elements of this water right should be described per the attached. The parties and IDWR have further indicated their concurrence by initialing each of the attached pages.

Date: 12/1/99

Don M. Allen
(Claimant)

Larry C. Brun
(Objector) *fwf*

Jeanie Robertson
IDWR Concurrence *Sp. Water Res. Agent*

TO Form
[Signature] 12/1/99
Attorney for IDWR

*data entry
complete per
SF5 1-13-00*

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

DATE: NOV-24-1999

PAGE: A-1

RIGHTS FROM: SOURCE: MILL CREEK TRIBUTARY: CHALLIS CREEK

RIGHT NUMBER: 72-00028

NAME AND ADDRESS: DOROTHY M WREN
LOYE E WREN
DBA 3W RANCH LTD
~~PO BOX 647~~ HC 63 Box 1581 ✓
CHALLIS ID 83226STEPHEN C WREN
DBA 3W RANCH LTD
PO BOX 647
CHALLIS ID 83226

SOURCE: MILL CREEK TRIBUTARY: CHALLIS CREEK

QUANTITY: 1.00 CFS

PRIORITY DATE: 04/01/1909

POINT OF DIVERSION: T14N R18E S14 SWNWSE Within CUSTER County

PURPOSE AND

PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
IRRIGATION		04-01 11-01 18/31	1.00 CFS

PLACE OF USE:	IRRIGATION	Within CUSTER County			
	T14N R18E S14	SENE 6.4	NESE 2.9	NWSE 3.1	NENE 0.7
		SWNE 0.4			
	<u>12.4 ACRES TOTAL</u>				
	<u>13.5 ACRES TOTAL</u>				

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

THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
RIGHTS IN BASIN 72:

WATER RIGHT NO.	SOURCE
NONE	NONE

THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
RIGHTS IN THE SNAKE RIVER BASIN:

WATER RIGHT NO.	SOURCE
-----------------	--------

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

DATE: NOV-24-1999
PAGE: A-2

72-00028 (CONT.)

NONE

NONE

ALL WATER RIGHTS WITHIN BASIN 72 ARE FROM CONNECTED SOURCES
OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED
CONJUNCTIVELY.

EXPLANATORY MATERIAL:

BASIS OF CLAIM - DECREE

INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

INSTRUCTIONS FOR MAILING

You must mail this form, including all attachments, to the Clerk of the SRBA Court and to the parties identified in the Certificate of Mailing. FAX filings will not be accepted by the SRBA Clerk of the Court.

You must sign the Certificate of Mailing to show that you followed these steps.

CERTIFICATE OF MAILING

I certify that on DECEMBER 1, 1999, I mailed the original and copies of this form, including all attachments, to the following persons by mailing the original and/or copies, postage prepaid and addressed as follows:

1. Original to:

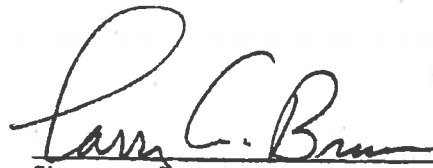
Clerk of the District Court
Snake River Basin Adjudication
253 Third Avenue North
P. O. Box 2707
Twin Falls, Idaho 83303-2707

2. Copies to:

Chief, Natural Resources Division
Office of the Attorney General
State of Idaho
P.O. Box 83720
Boise, ID 83720-0098

IDWR Document Depository
P.O. Box 83720
Boise, ID 83720-0098

United States Department of Justice
Adjudication Team
550 W Fort St., MSC 033
Boise, ID 83724



Signature of person or attorney mailing the form

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

DATE: NOV-23-1999

PAGE: A-1

 RIGHTS FROM: SOURCE: MILL CREEK TRIBUTARY: CHALLIS CREEK

RIGHT NUMBER: 72-00028

NAME AND ADDRESS: DOROTHY M WREN
 LOYE E WREN
 DBA 3W RANCH LTD
 P O BOX 647
 CHALLIS ID 83226

STEPHEN C WREN
 DBA 3W RANCH LTD
 PO BOX 647
 CHALLIS ID 83226

SOURCE: MILL CREEK TRIBUTARY: CHALLIS CREEK

QUANTITY: 1.00 CFS

PRIORITY DATE: 04/01/1909

POINT OF DIVERSION: T14N R18E S14 SWNWSE Within CUSTER County

PURPOSE AND

PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
IRRIGATION		04-01 <u>11-01</u>	1.00 CFS
		10/31	

PLACE OF USE: IRRIGATION Within CUSTER County

T14N R18E S14	SENE 6.4	NESE 2.9	NWSE 3.1	NENE 0.7
	SWNE 0.4			
<u>12.4 ACRES TOTAL</u>				
13.1 ACRES TOTAL				

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

THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
 IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
 RIGHTS IN BASIN 72:

WATER RIGHT NO.	SOURCE
NONE	NONE

THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
 IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
 RIGHTS IN THE SNAKE RIVER BASIN:

WATER RIGHT NO.	SOURCE
-----------------	--------

AJ5856NP

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

DATE: NOV-23-1999

PAGE: A-2

72-00028 (CONT.)

NONE

NONE

ALL WATER RIGHTS WITHIN BASIN 72 ARE FROM CONNECTED SOURCES
OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED
CONJUNCTIVELY.

EXPLANATORY MATERIAL: BASIS OF CLAIM - DECREE
INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

Jones, Doug

From: Jones, Doug
Sent: Wednesday, November 17, 1999 9:07 AM
To: Denniston, Sara
Subject: RE: Season of use

There are nine objections on claims that also have SOU issues.

72-00028 : Allow season 4/1 to 11/1
72-00109G: Season should be 4/1 to 10/31
72-00151B: Season should be 4/15 to 10/15 with shoulder language
72-00152B: Season should be 4/15 to 10/15 with shoulder language
72-02050B: Allow season 4/1 to 11/1
72-02072 : Season should be 4/1 to 10/31
72-04095 : Season should be 4/1 to 10/31
72-04224D: Season is ok
72-16555 : Season should be 4/1 to 10/31

These dates are being distributed to the files and agents. Shall we generate R-records for these and then deal with additional changes thru settlement?

Carter is messing with the Director's Report print to a file and formatting. We're making progress but it's not in the bag yet.

Doug-----Original Message-----

From: Denniston, Sara
Sent: Tuesday, November 16, 1999 5:20 PM
To: Jones, Doug
Subject: Season of use

Doug,

What's going on with the basin 72 season of use corrections? We need to get those together ASAP. It would be nice for those that have objections if we could just fix it as part of the SF5

DATE: 11/19/99
PAGE: 1

Stage: DECREED

CUSTER County

12.4

Other Rights: NONE

C16 - THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER

-	THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER	
-	IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER	
-	RIGHTS IN BASIN 72:	
-	WATER RIGHT NO.	SOURCE
-	NONE	NONE
-	THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER	
-	IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER	
-	RIGHTS IN THE SNAKE RIVER BASIN:	
-	WATER RIGHT NO.	SOURCE
-	NONE	NONE
-	ALL WATER RIGHTS WITHIN BASIN 72 ARE FROM CONNECTED SOURCES	
-	OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED	
-	CONJUNCTIVELY.	

Objection Filed Date: 06/02/1999

Misc: Water District Number: 72C Field Inspection Flag:
Presumption Flag:

AJ0749NP
No. R72-00028

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 11/19/99
PAGE: 2

Comments: Date: 02/16/1993 User-ID: WORSTELL Subject: COPIED FROM REMARKS
TRANS. 2792.

THIS NOTICE COVERS ENTIRE USE OF WATER THAT CLAIMANT HAS FROM
MILL CREEK, TRIB TO CHALLIS CREEK.
72-04136 WAS FILED FOR THIS SAME USE IN ERROR AND WILL NOT
BE CLAIMED IN THE SNRBA.

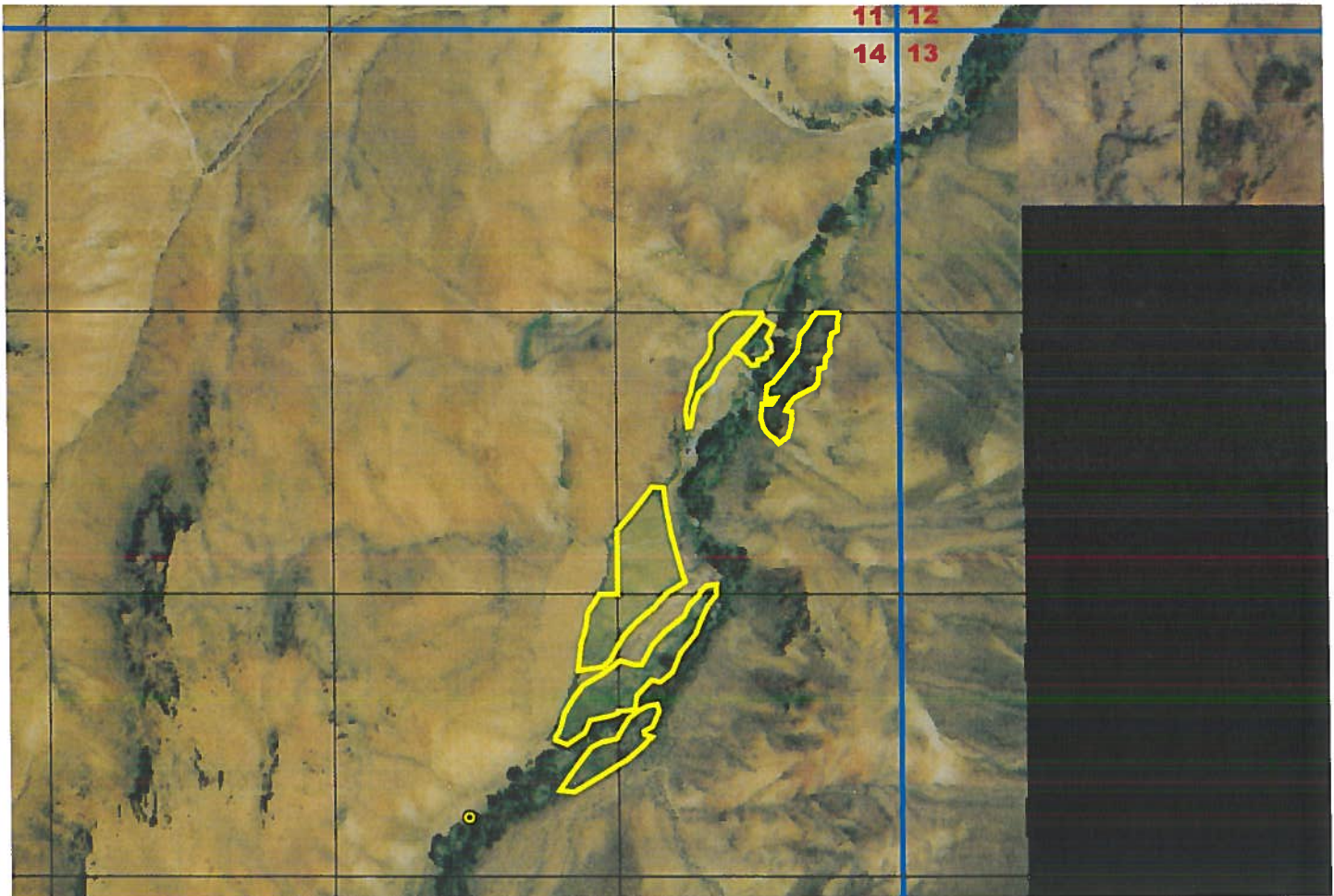
Date: 11/21/1998 User-ID: AUJ10-DS Subject: AUJ10 CONDITION UPDATE
CONDITION CODE(S) C16 ADDED IF NOT ALREADY PART
OF RECORD THRU AUJ10.

Date: 11/19/1999 User-ID: JROBERTS Subject: REDUCED POU AND INCREASED SEASON OF USE
PER BLM OBJECTION, REMOVED .7 ACRES FROM THE NENE AND .4 ACRES
FROM THE SAME OF SECTION 14. (SOIL ANALYSIS ALLOWED DIVERSION
RATE TO REMAIN UNCHANGED.) ALSO CORRECTED SEASON OF USE FROM
4/1-10/31 TO 4/1-11/1.

Audit: 11/19/99 JROBERTS

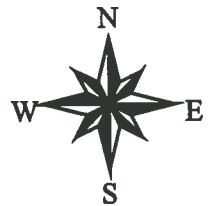
IDAHO DEPARTMENT OF WATER RESOURCES

72-00028



0 660 1320 1980 Feet

RECOMMENDED PLACE OF USE
DATA ENTRY ON NOV. 19, 1999
TWP 14N, R18E, SEC . 14



-  RECOMMENDED PLACE OF USE
-  RECOMMENDED POINT OF DIVERSION
-  SECTION LINES
-  QUARTER QUARTER LINES

GIS PLACE OF USE PRESENTATION
USFS 1992 AERIAL PHOTOGRAPHY
DATA ENTRY BY JEANIE ROBERTSON

RE-EVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-00028

 DATE: 11-14, 1998

 REVIEWED BY KKC

CHALLIS AREA SOIL REVIEW

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
ATC	.15	.13			6.49	7.62
BB1	.09	.09			6.09	6.17
BBD						
BC1	.16	.17			5.82	5.46
BK1	.07	.06			10.62	11.86
BT1	.18	.16			3.99	4.19
BT2	.41	.32			2.34	2.87
CB1	.06	.06			11.55	13.47
CHA	.21	.21			4.52	4.76
CP1	.36	.36			2.61	2.78
DB1	.13	.11			5.66	6.65
DBB	.13	.11			5.71	6.69
DBC	.13	.11			5.71	6.69
DMF	.18	.21			5.12	4.72
DT2	.05	.04			12.46	16.50
DWA	.14	.14			4.79	5.01
GO1	.10	.12			12.47	10.51
HAYSE						
KEG	.08	.07			8.73	10.06
MUG	.15	.14			4.54	4.98
NDL	.13	.12			5.30	6.06

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
PD2	.11	.12			5.15	4.74
RE2	.29	.21			3.15	4.74
RP1	.19	.21			4.89	4.57
SH1	.06	.05			9.37	12.10
SOC	.08	.07			7.38	8.08
SSA	.15	.14			4.79	5.01
SXF	.12	.11			6.14	6.80
TC1	.06	.06			9.82	9.55
TD1	.04	.03			12.46	16.50
WB2	.13	.13			5.37	5.43
WAA	.19	.16			3.81	4.23
WBB	.17	.14			3.36	3.84
WC1	.07	.06			11.24	13.45
WPT	.19	.15			3.16	3.69
WV1	.07	.06			11.24	13.45
XHS						
YN1	.18	.14			5.38	6.92

The rate per acre calculations are based upon a 300 foot run at a 2% slope. An 8 hour set time was also used. Individual graded border evaluations, soil characteristics work sheets, and peak irrigation diversion requirement work sheets have been created and archived separately for each soil type.

Where actual rotation is shorter than the optimal rotation, optimal rotation is the criteria to be used for the recommendation analysis and, therefore, the rotation percentage adjustment is not necessary. The rate becomes the acres per soil type times the rate per acre from the above chart.

SOIL TYPE	OPTIMAL / ROTATION (chart)	ACTUAL / ROTATION (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
PD2	5.71	12	12.4	.13	1.61 CFS

 TOTAL ACRES 12.4

DECREED RATE =

 CLAIMED DIVERSION RATE = 1.0

 MEASURED DIVERSION RATE = .52 on 9/14/1993

*allowed
allow claimed
rate of 1.0 cfs*

Revised 11/19/99

Water Right Number - 72-00028

Prefix Translation: WATER RIGHT

Old (D) Number -

+ - - - - Last Name - - - - + + - First Name - - + + - - - - - Address - - - - - +

*** C - CURRENT OWNER ***

WREN	DOROTHY M	1 - DBA 3W RANCH LTD 2 - P O BOX 647 3 - City- CHALLIS Phone - 208-879-4235	State- ID Zip- 83226
WREN	LOYE E	1 - DBA 3W RANCH LTD 2 - P O BOX 647 3 - City- CHALLIS Phone - 208-879-4235	State- ID Zip- 83226
WREN	STEPHEN C	1 - DBA 3W RANCH LTD 2 - PO BOX 647 3 - City- CHALLIS Phone - 208-879-4235	State- ID Zip- 83226

+ - - Priority Date - - +	+ - - Region - - +	+ - - Stage - - +	+ - - Status - - - +
04/01/1909	17 SOUTHERN	D - DECREED	

+ - - - - Source - - - - +	+ - - - - Tributary - - - - +
MILL CREEK	CHALLIS CREEK

+ - - - - Point of Diversion - - - - +							
Twn	Rng	Sec	Tract	Lot	RFlg	County	Diversion Name
14N	18E	14	SW NW SE		(37)	CUSTER	

+ - - - - Water Use - - - - +						
Code	Description	Period From	Period To	Diversion Rate	Diversion Volume	
D1 - IRRIGATION		04/01	10/31	1.000		

+ - Total Div. Rate - +	+ - Total Div. Volume - +	+ - Total Div. Capacity - +	+ - Total Consumptive Use - +	+ - KW Usage - +
1.000			D.0	

+ - - - - Place of Use - - - - +								
Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
14N	18E	14	NE NE		0.7 <i>BLM</i>	01	IRRIGATION	(37) CUSTER
14N	18E	14	SW NE		0.4 <i>BLM</i>	01	IRRIGATION	(37) CUSTER
14N	18E	14	SE NE		6.4	01	IRRIGATION	(37) CUSTER
14N	18E	14	NE SE		2.9	01	IRRIGATION	(37) CUSTER
14N	18E	14	NW SE		3.1	01	IRRIGATION	(37) CUSTER

Total Acres: 13.5

+ - - Diversion Means - DITCH HEADS IN STREAM TO LOCKABLE HEADGATE. GRAVITY SPRINK/FLOOD

+ - - Non-Irrigation Use -

Water right number - 72-00028

Prefix Translation: WATER RIGHT

+ - - Other Rights for Same Use - NONE

+ - - - - - Remarks - - - - - +

EXP INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

+ - - - - - Old Water Right Numbers - - - - - +

7200D28

+ - - - - - Conditions of Approval - - - - - +

C16 - THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
- IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
- RIGHTS IN BASIN 72:
- WATER RIGHT NO. SOURCE
- NONE NONE
- THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
- IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
- RIGHTS IN THE SNAKE RIVER BASIN:
- WATER RIGHT NO. SOURCE
- NONE NONE
- ALL WATER RIGHTS WITHIN BASIN 72 ARE FROM CONNECTED SOURCES
- OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED
- CONJUNCTIVELY.

+ - - - - Decree Plaintiff - - - +
STEPHENS, ET. AL.

+ - - - - Decree Defendant - - - +
SHAW, ET. AL.

+ - Decree Date - +
00/00/D000

+ - - Audit Fields - 10/28/92 WORSTELL 02/16/93 WORSTELL 12/17/93 WORSTELL 01/19/94 WORSTELL D3/30/95 POST-STD
11/14/98 KCHRISTE 11/21/98 AJU10-DS 01/17/99 CPDSHAFF 02/04/99 ADT-DSHA 06/08/99 UPD-SEGB

+ - - - - - Comments - - - - - +

Date: 02/16/1993 User Id: WORSTELL Subject: COPIED FROM REMARKS
TRANS. 2792.
MILL CREEK, TRIB TO CHALLIS CREEK.
BE CLAIMED IN THE SNRBA.

THIS NOTICE COVERS ENTIRE USE OF WATER THAT CLAIMANT HAS FROM
72-04136 WAS FILED FOR THIS SAME USE IN ERROR AND WILL NOT

Date: 11/21/1998 User Id: AJU10-DS Subject: AJU10 CONDITION UPDATE
CONDITION CODE(S) C16 ADDED IF NOT ALREADY PART

OF RECORD THRU AJU10.

+ - - - - - Adjudication Rights Dates and Flags Area - - - - - +

Court Report Filing	- 01/29/1999	Field Inspection Made	- 00/00/0000	Civil Case Number	- 39576
Objection Filed Date	- 06/02/1999	Field Inspection Flag	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 00/00/0000	Old Judicial District	-
Claim Received Date	- 11/15/1989	Last Amended Date	- 00/00/0000	Temporary Right	- P
Proof Due Date	- 00/00/0000	Proof Made Date	- 00/00/0000	Water District	- 72C
Licensed Date	- 00/00/0000	Receipt Number	- M005218	Federal/State Indicator	- S
		POU Ownership Flag	- Y	Presumption Flag	-
		Name Connector	- OR	Notice of Error Flag	-

Old (D) Number -

State- ID Zip- 83226

State- ID Zip- 83226

State- ID zip- 83226

+ - - Diversion Means - DITCH HEADS IN STREAM TO LOCKABLE HEADGATE. GRAVITY SPRINK/FLOOD
 + - - Non-Irrigation Use -
 + - - Other Rights for Same Use - NONE

Water right number - R72-00028

Prefix Translation: RESEARCH

EXP INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

Old Water Right Numbers

7200028

C16 - THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
- IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
- RIGHTS IN BASIN 72:
WATER RIGHT NO. SOURCE
NONE
THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
- IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
- RIGHTS IN THE SNAKE RIVER BASIN:
WATER RIGHT NO. SOURCE
NONE
ALL WATER RIGHTS WITHIN BASIN 72 ARE FROM CONNECTED SOURCES
- OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED
- CONJUNCTIVELY.

Decree Plaintiff - - - - - Decree Defendant - - - - - Decree Date - -
STEPHENS, ET. AL. SHAW, ET. AL. 00/00/0000

Date: 02/16/1993 User Id: WORSTELL Subject: COPIED FROM REMARKS
TRANS. 2792.
MILL CREEK, TRIB TO CHALLIS CREEK.
BE CLAIMED IN THE SNRBA.
Date: 11/21/1998 User Id: AUJ10-DS Subject: AUJ10 CONDITION UPDATE
CONDITION CODE(S) C16 ADDED IF NOT ALREADY PART
Date: 11/19/1999 User Id: JROBERTS Subject: REDUCED POU AND INCREASED SEASON OF USE
PER BLM OBJECTION, REMOVED .7 ACRES FROM THE NENE AND .4 ACRES FROM THE SWE OF SECTION 14. (SOIL ANALYSIS ALLOWED DIVERSION
RATE TO REMAIN UNCHANGED.) ALSO CORRECTED SEASON OF USE FROM 4/1-10/31 TO 4/1-11/1.

Audit Fields - - - - -
11/19/99 JROBERTS

Adjudication Rights Dates and Flags Area - - - - -
Court Report Filing - 01/29/1999 Field Inspection Made - 08/10/1993 Civil Case Number - 39576
Objection Filed Date - 06/02/1999 Field Inspection Flag - 00/00/0000 Old Judicial District -
Response Filed Date - 00/00/0000 Verified Date - 00/00/0000 Temporary Right - P
Claim Received Date - 11/15/1989 Last Amended Date - M005218 Water District - 72C
POU Ownership Flag - Y Federal/State Indicator - S
Name Connector - OR Presumption Flag -
Notice of Error Flag -

JR

RECEIVED

JUN 29 1999

Department of Water Resources
Southern Region

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

In Re SRBA

Case No. 39576

A. Subcase 72-00028

(Insert water right number)

STANDARD FORM 1
OBJECTION

Please fill in the following information:

B. NAME AND ADDRESS OF PERSON OBJECTING

Name: United States of America acting through the Department of Interior,
Bureau of Land Management, Idaho State Office

Address: 1387 South Vinnell Way
Boise, Idaho 83709-1657

Daytime Phone: see below

Name & Address of Attorney, if any:

Larry A. Brown 208 387-0835; R. Lee Leininger, 202 305-0242; Paul F. Holleman, 202 305-0494
United States Department of Justice: Environment and Natural Resource Division; General Litigation Section
550 West Fort Street, MSC 033; Boise, Idaho 83724

C. CLAIMANT OF WATER RIGHT AS LISTED IN DIRECTOR'S REPORT

Name: Loe E & Dorothy M Wren

Address: PO Box 647 Challis, ID 83226

Name: DBA 3W Ranch LTD

Address:

Name:

Address:

Name:

Address:

D. I object to the following elements as recommended in the Director's Report. (Please check the appropriate box(es)).

1. ☐ **Name and Address**
Should be: _____
2. ☐ **Source**
Should be: _____
3. ☐ **Quantity**
Should be: _____
4. ☐ **Priority Date**
Should be: _____
5. ☐ **Point(s) of Diversion**
Should be: _____
6. ☐ **Instream Flow Description**
Should be: _____
7. ☐ **Purpose(s) of Use**
Should be: _____
8. ☐ **Period of Year**
Should be: _____
9. ☒ **Place of Use**
Should be: See attached

11. **I object because:**

- ☐ This water right should not exist.
- ☐ This water right was not recommended, but should be recommended with the elements described above.

E. REASONS SUPPORTING OBJECTION(S):

The United States of America, through the Bureau of Land Management, is the owner of the land upon which use is claimed. The claimant's use of Federal land is unauthorized. See attached POU. Claimant's water right should not include this POU.

F.

VERIFICATION (Must be Completed)

State of Idaho)

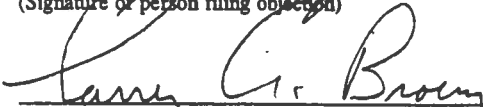
) ss.

County of Ada)

Gary A. Madenford, Water Rights Team Leader, duly sworn, upon oath, deposes and says:
(Name of person filing objection)

That I am the party/claimant filing this objection, as defined by I.C. §§ 42-1401A(1) and (6) or that I am the attorney for the party/claimant objecting and that I have read this objection, know its contents and believe that the statements are true to the best of my knowledge.


(Signature of person filing objection)


(Attorney signing in representative capacity)

Subscribed and sworn to before me on: June 1, 1999



John W. Thornburgh

Notary Public for Idaho

Residing at: Boise

My Commission Expires: 05-16-2003

INSTRUCTIONS FOR MAILING

You must mail the objection, to the Clerk of the Court. **FAX filings will not be accepted.** You must also send a copy to all the parties listed below in the Certificate of Mailing.

G. CERTIFICATE OF MAILING

I certify that on June 2nd, 1999, I mailed the original and copies of this objection, including all attachments, to the following persons:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
253 Third Avenue North
P.O. Box 2707
Twin Falls, ID 83303-2707

2. One copy to the claimant of the water right at the following address:

Name: Loe E & Dorothy M Wren
Address: PO Box 647 Challis, ID 83226
Name: DBA 3W Ranch LTD
Address:
Name:
Address:
Name:
Address:

3. Copies to:

IDWR Document Depository
PO Box 83720
Boise, ID 83720-0098

United States Department of Justice
Environment and Natural Resource Division
550 West Fort Street, MSC 033
Boise, ID 83724

Chief, Natural Resources Division
Office of the Attorney General
State of Idaho
PO Box 44449
Boise, ID 83711-4449


Signature of Objector or attorney mailing on Objector's behalf

AJ5856NP

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAWDATE: JAN-26-1999
PAGE: A-529

RIGHTS FROM: SOURCE: MILL CREEK TRIBUTARY: CHALLIS CREEK

RIGHT NUMBER: 72-00028

NAME & ADDRESS: DOROTHY M WREN
LOYE E WREN
DBA 3W RANCH LTD
P O BOX 647
CHALLIS ID 83226

STEPHEN C WREN
DBA 3W RANCH LTD
PO BOX 647
CHALLIS ID 83226

- POU'S ON BLM; UNAUTHORIZED USE.

SOURCE: MILL CREEK TRIBUTARY: CHALLIS CREEK
QUANTITY: 1.00 CFS
PRIORITY DATE: 04/01/1909
POINT OF DIVERSION: T14N R18E S14 SWNWSE ✓ Within CUSTER County
PURPOSE AND PERIOD OF USE: PURPOSE OF USE PERIOD OF USE QUANTITY
IRRIGATION 04-01 10-31 1.00 CFS

PLACE OF USE: IRRIGATION Within CUSTER County
T14N R18E S14 NENE 0.7 BLM SWNE 0.4 BLM SENE 6.4 ✓ NESE 2.9 ✓
NWSE 3.1 ✓
13.5 ACRES TOTAL

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

THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
RIGHTS IN BASIN 72:

WATER RIGHT NO.	SOURCE
NONE	NONE

THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
IN BASIN 72 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
RIGHTS IN THE SNAKE RIVER BASIN:

WATER RIGHT NO.	SOURCE
NONE	NONE

ALL WATER RIGHTS WITHIN BASIN 72 ARE FROM CONNECTED SOURCES
OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED
CONJUNCTIVELY.

EXPLANATORY MATERIAL: BASIS OF CLAIM - DECREE

AJ5856NP

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

DATE: JAN-26-1999
PAGE: A-530

RIGHTS FROM:	SOURCE: MILL CREEK	TRIBUTARY: CHALLIS CREEK
RIGHT NUMBER:	72-00028	(CONT)

EXPLANATORY MATERIAL: (CONT)
INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

Mr. Wren,

ditch length
in shale &
loses a lot
in conveyance
1" going over weir
and not enough
to ~~even~~ get to
his house

$$20 \times .02 = .4 + \text{C. v. loss}$$

du. 1/2

20 ~~425~~ acres
actually irrigated
uses lower ditch
only & pumps

don't use upper
ditch

6/9/94

COMMUNICATION DOCUMENTATION

This form is to be used to document public record information requests regarding any SRBA claim or claims. The form may also be used to document IDWR communications requesting information regarding any SRBA claim or claims when the request is not made in writing or the claim verification report is not readily available to document the request. This form is to be filed in all relevant claim files or a central office file.

IDWR Employee/Agent JEANIE M ROBERTSON

DATE

CUSTOMER

November 3, 1995 3:54pm TIM WREN A72-00028

SUBJECT: QUESTIONS ON WATER RIGHTS GOING WITH SOLD PROPERTY
phone call (X) walk-in (.)

He wanted to know if a person sold property whether the water automatically went with the land or if you had to file on the water to get it? I told him that under Idaho law water was appurtenant to the property unless it was specifically withheld in the deed, so it went with the property unless specified not to. Said he is still working on clearing his land to have the rest of his fields back under irrigation by next spring...

AJ0743NP
(00-124)

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT
(REGIONAL)

11/14/98 10:02:11
Page 1

Water Right Number - R72-00028

Prefix Translation:

RESEARCH

Old (D) Number -

*** C - CURRENT OWNER ***

WREN

DOROTHY M

State- ID Zip- 83226

WREN

LOYE E

State- ID Zip- 83226

WREN

STEPHEN C

1 - DBA 3M RANCH LTD
2 - P O BOX 647
3 -
City- CHALLIS
Phone - 208-879-4235
1 - DBA 3M RANCH LTD
2 - P O BOX 647
3 -
City- CHALLIS
Phone - 208-879-4235

Priority Date - - - + - - - Region - - - + - - - Stage - - - + - - - Status - - - +
04/01/1909 17 SOUTHERN D - DECREED

Source - - - - - + - - - - - Tributary - - - - - +
MILL CREEK CHALLIS CREEK

Twn	Rng	Sec	Tract	Lot	Rflg	County	Point of Diversion
14N	18E	14	SW NW SE	25, 26, 27, 28		(37) CUSTER	

Code	Description	Period From	Period To	Water Use	Diversion Rate	Diversion Volume
01 - IRRIGATION		04/01	10/31		1.000	

Total Div. Rate - + - Total Div. Volume - + - Total Consumptive Use - + - KW Usage - +
1.000 0.0

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
14N	18E	14	NE NE		0.7	01 IRRIGATION		(37) CUSTER	
14N	18E	14	SW NE		0.4	01 IRRIGATION		(37) CUSTER	
14N	18E	14	SE NE		6.4	01 IRRIGATION		(37) CUSTER	
14N	18E	14	NE SE		2.9	01 IRRIGATION		(37) CUSTER	
14N	18E	14	NW SE		3.1	01 IRRIGATION		(37) CUSTER	

Total Acres: 13.5

- - - Diversion Means - DITCH HEADS IN STREAM TO LOCKABLE HEADGATE. GRAVITY SPRINK/FLOOD

- - - Non-Irrigation Use -

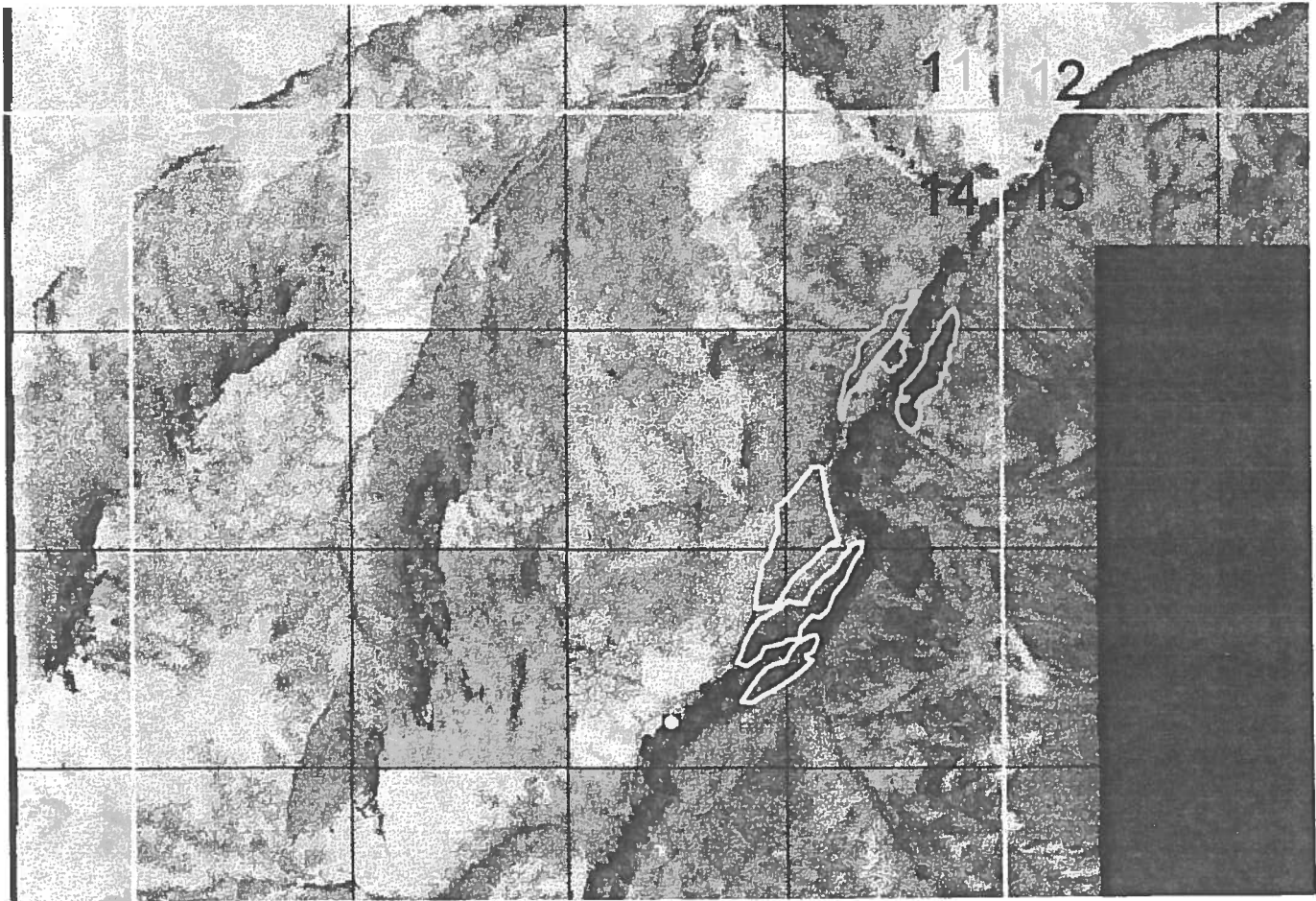
Adjudication Rights Dates and Flags Area			
Court Report Filing	- 00/00/0000	Field Inspection Made	- 00/00/0000
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-
Response Filed Date	- 00/00/0000	Verified Date	- 00/00/0000
Claim Received Date	- 11/15/1989	Last Amended Date	- 00/00/0000
		Receipt Number	- M005218
		POU Ownership Flag	- Y
		Name Connector	- OR
		Civil Case Number	- 39576
		Old Case Number	-
		Old Judicial District	-
		Temporary Right	- P
		Water District	- 72C
		Federal/State Indicator	- S
		Presumption Flag	-
		Notice of Error Flag	-

IDAHO DEPARTMENT OF WATER RESOURCES

COP

72-00028

WREN



RECOMMENDED PLACE OF USE
DATA ENTRY ON OCT. 3, 1998
TWP 14N, 18E, SEC 14

RECOMMENDED PLACE OF USE

⊙ RECOMMENDED POINT OF DIVERSION

□ SECTION LINES

□ QUARTER QUARTER LINES

GIS PLACE OF USE PRESENTATION
USFS 1992 AERIAL PHOTOGRAPHY
DATA ENTRY BY JEANIE ROBERTSON

cop

CLAIM NUMBER 72-00028

DATE 11-14-98

TRANSFER NUMBER

AGENT 15KC

CLAIMED ACRE TOTAL 60

GIS ACRE TOTAL 13.5

	TWP	RNG	SEC	NE				NW				SW				SE			
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
LAIM	14N	18E	14				12									17	8	23	60
GIS	14N	18E	14	.7		.4	6.4									2.9	3.1	0	13.
ECOM	14N	18E	14	.7		.4	6.4									2.9	3.1	0	13.
LAIM				BLM				BLM											
GIS																			
ECOM																			
LAIM																			
GIS																			
ECOM																			

172-DBPOU.SHP

HAPE NOS.

35 SWNWSE

172-DBPOD.SHP

IOS. DESCRIPTION

54 = 1.6 Ac. (1.14 Ac.)
 55 = 4.7 Ac. (4.3 Ac.)
 56 = 3 Ac.
 57 = 1.4 Ac.
 58 = .5 Ac.
 59 = 2.2 Ac. (1.98 Ac.)

Master
 Revised
 11-19-99

Hubble gives .84 cfs
 Bahr Calculated confluence .20 cfs
 Total gageage = 1.04 cfs

Recom claim sat of 1.00 cfs

DBF TABLES UPDATED

172-DBPOU.DBF ☒

172-DBPOD.DBF ☒

RE-EVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-00028

 DATE: 11-14, 1998

 REVIEWED BY KKC

CHALLIS AREA SOIL REVIEW

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
ATC	.15	.13			6.49	7.62
BB1	.09	.09			6.09	6.17
BBD						
BC1	.16	.17			5.82	5.46
BK1	.07	.06			10.62	11.86
BT1	.18	.16			3.99	4.19
BT2	.41	.32			2.34	2.87
CB1	.06	.06			11.55	13.47
CHA	.21	.21			4.52	4.76
CP1	.36	.36			2.61	2.78
DB1	.13	.11			5.66	6.65
DBB	.13	.11			5.71	6.69
DBC	.13	.11			5.71	6.69
DMF	.18	.21			5.12	4.72
DT2	.05	.04			12.46	16.50
DWA	.14	.14			4.79	5.01
G01	.10	.12			12.47	10.51
HAYSE						
KEG	.08	.07			8.73	10.06
MUG	.15	.14			4.54	4.98
NDL	.13	.12			5.30	6.06

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
PD2	.11	.12			5.15	4.74
RE2	.29	.21			3.15	4.74
RP1	.19	.21			4.89	4.57
SH1	.06	.05			9.37	12.10
SOC	.08	.07			7.38	8.08
SSA	.15	.14			4.79	5.01
SXF	.12	.11			6.14	6.80
TC1	.06	.06			9.82	9.55
TD1	.04	.03			12.46	16.50
WB2	.13	.13			5.37	5.43
WAA	.19	.16			3.81	4.23
WBB	.17	.14			3.36	3.84
WC1	.07	.06			11.24	13.45
WPT	.19	.15			3.16	3.69
WV1	.07	.06			11.24	13.45
XHS						
YN1	.18	.14			5.38	6.92

The rate per acre calculations are based upon a 300 foot run at a 2% slope. An 8 hour set time was also used. Individual graded border evaluations, soil characteristics work sheets, and peak irrigation diversion requirement work sheets have been created and archived separately for each soil type.

Where actual rotation is shorter than the optimal rotation, optimal rotation is the criteria to be used for the recommendation analysis and, therefore, the rotation percentage adjustment is not necessary. The rate becomes the acres per soil type times the rate per acre from the above chart.

SOIL TYPE	OPTIMAL ROTATION / (chart)	ACTUAL ROTATION / (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
PD2	5.71	12	13.5	.13	1.76 CFS
	/		*	*	CFS
	/		*	*	CFS
	/		*	*	CFS
	/		*	*	CFS

TOTAL ACRES _____

DECREED RATE = _____

CLAIMED DIVERSION RATE = _____

MEASURED DIVERSION RATE = _____

9/13/95

①

COP

Called Mr. Wren as I promised I would check on the recommendations Bob Wortell had made. Mr. Wren feels he bought the property years ago and the deed specified 50" (1 cts) and that he should be entitled to those 50", no matter what. I explained that under Idaho law you needed to "use" the water beneficially or it was subject to forfeiture. By his own account, he has never irrigated the lands that lie east of Mill Creek. This would exclude 40 of the original claimed 60 acres right off the bat. He told me he feels he has actually been irrigating about 20 acres. (Bob only recommended 9.7 acres.) I told Mr. Wren that for me to recommend any more I would probably need to do my own field exam (perhaps next spring). I could meet with him and he could show me his fields and explain his irrigation practices, etc. He said he would be glad to work with me on the outcome. He did say his grandson intends to put all of the original acres back into production, perhaps by next year. (He has been delivering his 50" over the years by the watermaster.) He says he usually puts 35" back into the creek. I explained that the problem could be that the people down below have become accustomed to that 35" and if he starts irrigating those other acres that they could be injured by

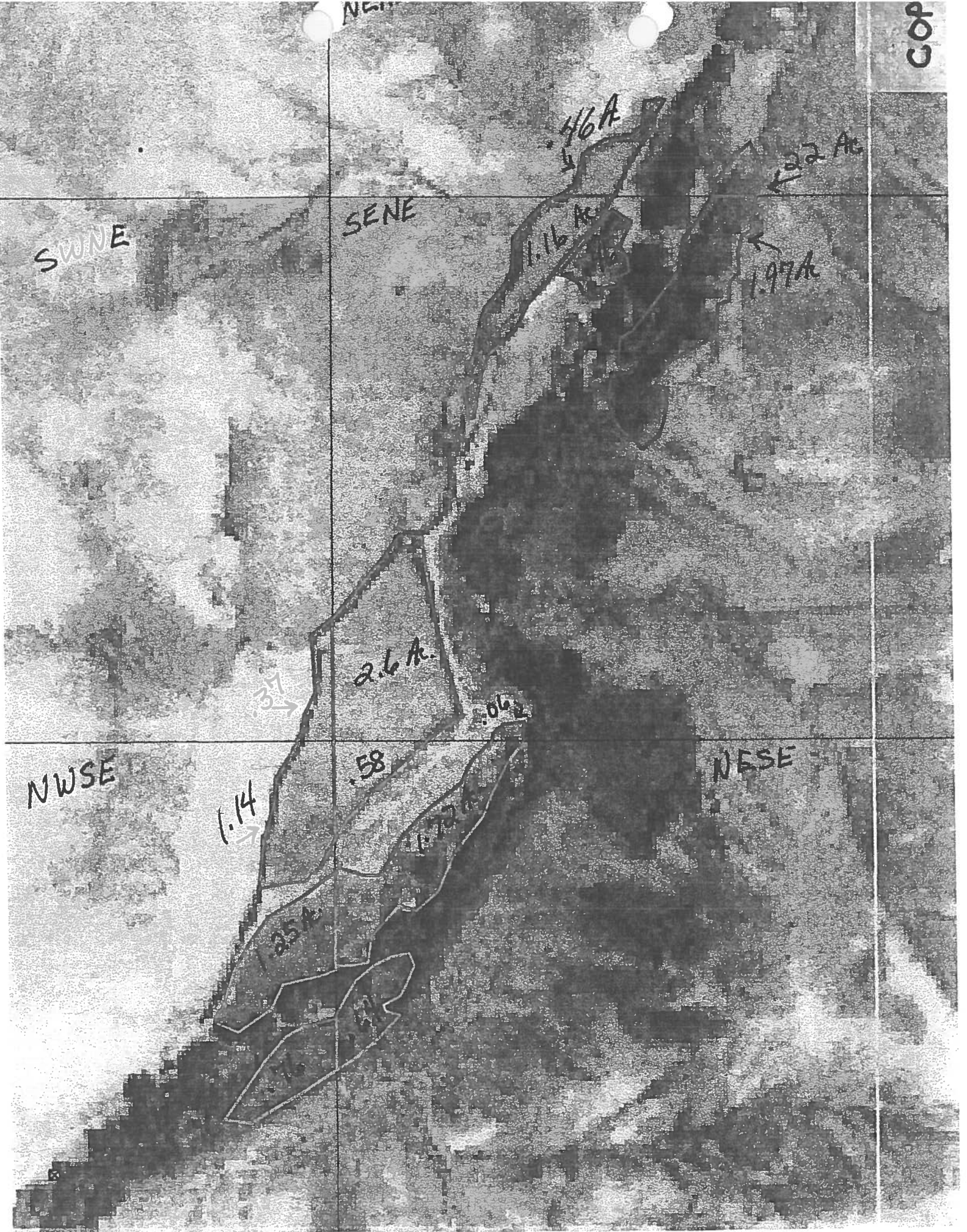
9/13/95

less water coming down the creek for them. He indicated that probably no one would ever know (other than the watermaster.) He also said that a few years ago a watermaster did some measuring and when they measured 15" coming over the weir, it didn't even reach his house (ditch loss.) He said the ditch goes through a very rocky, shaley area and much is lost. I told him Bob had done a "conveyance loss" on his ditch and allowed him some extra water there and also some extra water for the soil type (hubble analysis.)

I will go over Bob's numbers again and try to remeasure the acres in question. It does appear that Bob only did a hubble on about 7.5 acres while he recommended almost 10. He also didn't add the two diversion amounts together from the two hubble sheets. One recommended .34 cfs for 6.25 acres, the other .06 for 1.2 acres. He only allowed for .35? I will try to play the numbers in again and see if I can come up with a little better diversion rate so Mr. Wren will feel better and perhaps we can come to some agreement...

Bob also made no allowance for diversion amounts not covered in the hubble - the 3 or so ac...

R



Challis Creek, for the irrigation of his land, described as the east half of the southwest quarter of section eight, township 14 north, range 19 east Boise meridian, his right thereto to date from August 25th, 1910.

26. That the cross complainant, William Klug, be and he is hereby awarded the right to the use of 110 inches of the flow of the waters of Challis Creek for the irrigation of his land, described as Beginning at Forest survey monument H-1, thence south 54 degrees west 10 chains to monument H-2, thence south 11 degrees west 5 chains to monument H-3, thence south 47 degrees west 19 chains to monument H-4, thence south 55 degrees west 22 chains to monument H-5, thence north 26 degrees west 13 chains to monument H-6, thence south 69 degrees 30' west 16 chains to monument H-7, thence north 32 degrees west 4 chains to monument H-8, thence north 53 degrees east 36.5 chains to monument H-9, thence south 67 degrees east 20 chains to monument H-1 the place of beginning, in section thirteen, twenty-three and twenty-four, township 14 ~~stat~~, range 17 east Boise meridian, according to the National Forest Survey, containing 110 acres, his right thereto to date from September 10th, 1910.

27. That the cross complainant, William Klug, be and he is hereby awarded the right to the use of 35 inches of the flow of the waters of Challis Creek for the irrigation of his land, described as Beginning at corner No. 1 thence north 66 degrees 55 minutes west 19.7 chains to corner No. 2, thence north 30 degrees and 6 minutes east 13.7 chains to corner No. 3, thence north 4 degrees and 48 minutes east 5.44 chains to corner No. 4, thence north 39 degrees east 6.097 chains to corner No. 5, thence east 22.02 chains to corner No. 6, thence south 11.15 chains to corner No. 7, thence south 32 degrees 44 minutes west 18.125 chains to corner No. 8, thence south 58 degrees and 50 minutes west 5.47 chains to the place of beginning, containing 50 acres, his right thereto to date from June 10th, 1906.

28. That the cross complainant, W. A. Pierson, be and he is hereby awarded the right to the use of 50 inches of the flow of the waters of Challis Creek for the irrigation of his land, described as a portion of unsurveyed land consisting of 60 acres more or less, about one and one half miles southwest of the mouth of Mill Creek, being in form a parallelogram, in Custer County, Idaho, his right thereto to date from April 1st, 1909.

NAME:

WREN

CLAIM: 72- 00028

CORRESPONDENCE

EVIDENCE OF

PRIORITY

403

AJ0743NP
(00-124)

Water Right Number - R72-00028

Prefix Translation:

RESEARCH

Old (D) Number -

+ - - - - Last Name - - - - + + - First Name - - - - + - - - - Address - - - - +

*** C - CURRENT OWNER ***
WREN

DOROTHY M.

WREN

LOYE E.

WREN

STEPHEN C.

1 - D.B.A. 3W RANCH LTD.
2 - P. O. BOX 647
3 -
City- CHALLIS State- ID Zip- 83226
Phone - 208-879-4235
1 - D.B.A. 3W RANCH LTD.
2 - P. O. BOX 647
3 -
City- CHALLIS State- ID Zip- 83226
Phone - 208-879-4235

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
04/01/1909 17 SOUTHERN D - DECREED

+ - - - - Source - - - - - + - - - - - Tributary - - - - - +
MILL CREEK CHALLIS CREEK

+ - - - - Rng Sec Tract Lot Rflg County Point of Diversion - - - - - +
14N 18E 14 SE NW SE (37) CUSTER

+ - - - - Code Description Period From Period To Water Use - - - - - Diversion Rate Diversion Volume - - - - - +
01 - IRRIGATION 04/15 10/15 0.550

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
0.550 24.2

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
14N	18E	14	NE NE		0.4	01	IRRIGATION	(37) CUSTER	
14N	18E	14	SW NE		0.7	01	IRRIGATION	(37) CUSTER	
14N	18E	14	SE NE		4.7	01	IRRIGATION	(37) CUSTER	
14N	18E	14	NE SE		1.9	01	IRRIGATION	(37) CUSTER	
14N	18E	14	NW SE		2.0	01	IRRIGATION	(37) CUSTER	

Total Acres: 9.7

+ - - Diversion Means - DITCH HEADS IN STREAM TO LOCKABLE HEADGATE. GRAVITY SPRINK/FLOOD

MICROFILMED
OCT 28 1994

Prefix translation: RESEARCH

+ - - Other Rights for Same Use - NONE

Remarks
0.2 CFS OF THIS RIGHT IS LIMITED TO USE FOR CONVEYANCE LOSSES IN DELIVERY OF THIS RIGHT.

7200028 Old Water Right Numbers

	COD -	PORTION OF RIGHT FORFEITED/ABANDONED.	Conditions of Approval
--	-------	---------------------------------------	------------------------

	Decree Plaintiff	Decree Defendant	Decree Date
STEPHENS, ET. AL.			00/00/0000
SHAW, ET. AL.			

Date:	02/16/1993	User Id:	WORSTELL	Subject:	COPIED FROM REMARKS	Comments:
TRANS.	2792.					
MILL CREEK, TRIB TO CHALLIS CREEK.						
BE CLAIMED IN THE SNRBA.						
THIS NOTICE COVERS ENTIRE USE OF WATER THAT CLAIMANT HAS FROM 72-04136 WAS FILED FOR THIS SAME USE IN ERROR AND WILL NOT						

01/19/94 WORSTELL

Adjudication Rights Dates and Flags Area					
Court Report Filing	- 00/00/0000	Field Inspection Made	- 00/00/0000	Civil Case Number	- 39576
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 01/19/1994	Old Judicial District	-
Claim Received Date	- 11/15/1989	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- M005218	Water District	- 72C
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- OR	Presumption Flag	- D
				Notice of Error Flag	-

MICROFILMED
OCT 28 1994

403

PAGE: 12
QUICKLOOK INFORMATION

STATE OF IOWA
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

CLAIM NUMBER: 070-00038

MR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED BY WHOM/DATE	COMPLETED DATE FIELD EXAM/DATE
PRIORITY DATE				N			
POINT OF DIV	Y		<i>RWC</i> 8/10/93	Y Y	4, 5	<i>RWC</i> 12/17/93	<i>RWC</i> 12/17/93
SOURCE				N			
PLACE OF USE	Y			Y Y	1, 4, 5		
DIV. AMOUNT CES/VOLUME				Y Y	5		
CONSUMPTIVE USE				N			
PURPOSES				N			
PERIOD OF USE				Y			
BASIS OF CLAIM				N			
REMARKS	Y			Y			

"VERIFIED BY" CODES

- TOPO MAP/ORTHO-PH = 1
 - ASCS MAP = 2
 - WATERMASTER RECORDS = 3
 - MADE PHOTOS = 4
 - FIELD EXAM = 5
 - OTHER (SEE REMARKS) = 6
- BWM*
24 ID-88AC 5-8C-15 7/1/1988

THESE CODES ARE USED TO INDICATE HOW THE FIELD EXAMINER VERIFIED THE INFORMATION
USED FOR THIS FIELD EXAMINATION. INDICATED ARE ALL CODES WHICH APPLY.

MICROFILMED
OCT 28 1994

403

PAGE: 1
GENERAL INFORMATION

STATE OF ILLINOIS
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

CLAIM NUMBER: 679-00000

05/30/92

LAST: PIKSON
ADDRESS: N/A
CITY: N/A
PHONE NUMBER: 208-000-0000
OWNER CODE: 0

FIRST: L.A.
STATE: ID ZIP: 00000

Delete

LAST: UBA 3W RANCH LTD.
ESS: N/A
PHONE NUMBER: 208-000-0000
OWNER CODE: 0

FIRST:
STATE: ID ZIP: 00000

LAST: WREN
ADDRESS: U.B.A. 3W RANCH LTD.
CITY: P.O. BOX 647
PHONE NUMBER: 208-879-4235
OWNER CODE: C

FIRST: LOYE E.
STATE: ID ZIP: 83226

LAST: WREN
ADDRESS: U.B.A. 3W RANCH LTD.
CITY: P.O. BOX 647
PHONE NUMBER: 208-879-4235
OWNER CODE: C

FIRST: DOROTHY M.
STATE: ID ZIP: 83226

LAST: WREN
ADDRESS: U.B.A. 3W RANCH LTD.
CITY: P.O. BOX 647
PHONE NUMBER: 208-879-4235
OWNER CODE: C

FIRST: STEPHEN C.
STATE: ID ZIP: 83226

FIELD EXAM REQUIRED?
DATABASE
FIELD EXAMINER

MICROFILMED
OCT 28 1994

1003

REMARKS:

TRANS. 2792.
THIS NOTICE COVERS ENTIRE USE OF WATER THAT CLAIMANT HAS FROM
MILL CREEK, TRIB TO CHALLIS CREEK.
72-04136 WAS FILED FOR THIS SAME USE IN ERROR AND WILL NOT
BE CLAIMED IN THE SNRRA.

POOR ORIGINAL

FIELD EXAMINATION INFORMATION

CONTACT PERSON: Loyle Wren

PHONE NUMBER: ()

DATE OF FIELD EXAM: 8/10/93

APPOINTMENT MADE: Y (☒) N ()

TIME: 1:00 A (☒) P ()

ACCOMPANIED BY: —

PHONE NUMBER: ()

RELATIONSHIP TO CLAIMANT: —

ACTIONS TO PROPERTY / REMARKS:

Mr Wren has lived on this place for 18 years. Mr Wren
said The lands claimed that lie east of Mill Creek have
not been irrigated in 18 years. The diversion dam (rock shed
that was used to put Mill Creek water into the "high ditch"
above the lands on the west side of Mill Creek has been
washed out ^{and} ~~the~~ parts of this ditch have been washed out;
and it is blocked with brush & rocks to a point that much
work would be needed to make it useable again. Mr Wren
said he still intends to replace the rock dam "next year" if
he can.

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OCT 28 1994

60-3

A. AJ CLAIM: # A72-00028 PRIORITY DATE: 04-01-1909 STAGE: D
B. WR RECORD: # 72-00028 PRIORITY DATE: 04-01-1909 STAGE: D

POOR ORIGINAL

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE FIELD
N EXAMINER
NARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? () () N() ()
IF YES EXPLAIN.

REMARKS:

RECOMMENDED PRIORITY DATE:

04-01-1909

REVIEWED BY

4/4/909 *Bill*

DATE

2/16/93

MICROFILMED

OCT 28 1994

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-00028	14N	18E	14	SW	NE	SE		CUSTER
A72-00028	14N	18E	14	SE	NW	SE		CUSTER
A72-00028	14N	18E	14	SW	SW	SE		CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX R PREFIX
NONE NONE

WR RECORDS IN SAME 40 ACRE TRACT

72-04136

SOURCE: MILL CREEK

TRIB: CHALLIS CREEK

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
72-00028	14N	18E	14		NE	SE		CUSTER
72-00028	14N	18E	14		NW	SE		CUSTER
72-00028	14N	18E	14		SW	SE		CUSTER

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

72-04136

NONE

NONE

SOURCE: MILL CREEK

TRIB: CHALLIS CREEK

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY? (Y/N)
DUE TO SOURCE DISCREPANCY? (Y/N)

DATABASE

FIELD EXAMINER

Y

Y

REMARKS:

The diversion point in the SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. 14 is the only one being used. The others have not been used in over 18 years that Mr. When has owned this property. The diversion point in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ of section 14 is not in Mill Creek but on a side channel that is tributary to Mill Creek.

MICROFILMED

OCT 28 1994

403

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP. R5E. SEC.

1/4

1/4

1/4

LOT

COUNTY

14N - 18E 14

SE

NW

SE

Custer

SOURCE: MILL CREEK

TRIP: CHALLIS CREEK

REVIEWED BY:

[Signature]

DATE:

12/16/93

MICROFILMED

OCT 28 1994

A. CLAIMED USES:

PURPOSES
72-00028 IRRIGATION

MONTH/DAY
FROM 04-01 TO 11-01

DIVERSION QUANTITY
1.000 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

1.000 CFS

B. WR RECORDED USES:

PURPOSES
72-00028 IRRIGATION

MONTH/DAY
FROM 04-01 TO 11-01

DIVERSION QUANTITY
1.000 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

1.000 CFS

IMPLETION FLAG: D

C. FIELD EXAM REQUIRED?

DOE TO WATER-USE DISCREPANCY?	(Y/N)	DOE TO DIVERSION RATE DISCREPANCY?	(Y/N)	DOE TO PERIOD FROM/TO DISCREPANCY?	(Y/N)	FIELD EXAMINER
	N		N		N	N
	N		N		N	N
	N		N		N	N

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

Y () N ()

RECOMMEND TO WR STANDARDS OR OTHER?

Y () N () Explain in Remarks below

REMARKS:

(Place of Use Remarks continued from Page 6)
New Standard period of use.

- (a) 1 acre in the NE 1/4 SE 1/4 depends on seepage and ditch losses from lands upslope.
- (b) 0.4 acre of yard + garden areas are irrigated with a small portable pump.
- (c) These areas are irrigated by a gravity/flood system and by 2 lb pressure (gravity) sprinkler system when sufficient flow is available to supply minimal pressures to the lower elevations of this field.

403

Y(✓) N()

ARE DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

AJ TOTAL CLAIMED DIVERSION RATE: 1.000 CFS
 WR ROOT RIGHT TOTAL DIVERSION RATE: 1.000 CFS
claimed as decreed

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
 ** If an amount smaller than the original diversion rate is **
 ** claimed and an exam is NOT required, explain in remarks. **

FLOW MEASUREMENT REQUIRED?

FIELD
 DATABASE EXAMINER

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N)

Y

-N-

16" Rect. Culvert
 Range 0.375 - 1.2

1.43 max.

FLOW MEASUREMENT

MEASUREMENT METHOD _____, SEE ATTACHED CALCULATIONS.

0.52 cfs measured on 9/14/93.

C. ARE OTHER WATER RIGHTS USED? Y() N(✓) IF YES COMPLETE OVERLAP REVIEW.

OTHER RIGHTS LISTED IN CLAIM: NONE

from table 8 pg. 244 of
 Water Measurement Manual

NO CLAIMS FOUND WITH SAME POU AND IRRIGATION USAGE

LIST ALL RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION.

CLAIM NO. PURPOSES NAME

A72-10055 DOMESTIC WREN, DOROTHY M.

MONTH/DOY

RATE

VOLUME

FROM 01-01 TO 12-31 .040 CFS

MICROFILMED
 28 1994

603

1a.

IRRIGATION RATE
ACRES 2.7 X 0.02 CFS/ACRE = 0.194 CFS
(Taken from p/u review)

RATE/VOLUME CALCULATIONS: (Irrigation)

1b. CALCULATIONS

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y(✓) N()

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N(✓) ***

See Hubble Report Sheet 9

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 150.0 AF/A
ACRES 2.7 X CONSUMPTIVE VOL. AF/A FOR AREA 2.5 =
TOTAL CONSUMPTIVE USE 24.2 AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A
ACRES X DIVERSION VOL. AF/A FOR AREA = N/A
TOTAL DIVERSION VOLUME AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

REMARKS: (Include limitations on CONSUMPTIVE USE for combined rights.)

Most of the decreed place of use has not been irrigated in more than 18 years that Mr. Wren has owned this property

RECOMMENDATIONS:

REC. PURPOSES

REC. PERIOD FROM TO

REC. DIV RATE CFS

REC. DIV VOL. AF/Y

REC. TONS. HYP

IRRIGATION

TOTAL FOR THIS RIGHT

REVIEWED BY:

DATE:

1/19/95

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OCT 28 1994

~~04-01~~ ~~11-01~~
4/15 10/15

DATABASE EXAMINER
1.000 0.35

0.35 + 0.20 Conveyance Loss
= 0.55

DATABASE EXAMINER
150.0 150.0

Recommend

0.35 ^{cfs} from Hubble Analysis
0.20 for Conveyance loss
0.55 cfs - Total.

Conveyance Loss Estimate

700' X 3.5'
length width = 0.056 acre
43560 sq ft/acre

Assume Loss rate 70 ft/d/day

7' X 0.056 acre = 0.392 acre ft/day

1 cfs = 2 acre ft/day

0.392 acre ft/day
2 acre ft/day per cfs = 0.196 cfs loss

202

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FOREFEIT/ABANDON
ADDITIONAL DIV. AMOUNT

ACCEPTED
AS CLAIMED
()
()
()
NEEDS
REVIEW
()
()
()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-00028

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
1.000

EXAMINER

CFS

SPLITS:

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

72-00028

1.000

-

72-00028

1.000

TOTAL CFS

1.000

1.000

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, is the written review sheet attached? (Y/N)

DATABASE
Y

FIELD
EXAMINER

REMARKS:

No Splits

AUTHENTICATION:

SIGNATURE:

Robert W. Norstell

DATE:

1/19/94

NAME OF FIELD EXAMINER: ROBERT NORSTELL

TITLE:

Sr. Adj. Agent.

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OCT 28 1994

NOTES

DECLASSIFIED

CLUSTER Group

9E		SSE		SSE		SSE	
AGE	AGE	AGE	AGE	AGE	AGE	AGE	AGE
Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt
08	23						
TOTAL ACRES						SUM	
						60.0	
						60.0	

Non-Irrigation Uses: INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

Other Rights: NONE

Non-Irrigation Use: INCIDENTAL STOCKWATERING OF 50 SHEEP, 6 HORSES, 3 DAIRY COWS

Conditions of Approval:

- A measuring device and lockable controlling works of 3 type
- acceptable to the Department shall be permanently installed and
- maintained as part of the diverting works.
- Use of water under this right is subject to control by the
- watermaster of State Water District No. .

Remarks:

TRANS. 2792. COVERS ENTIRE USE OF WATER THAT CLAIMANT HAS FROM THIS NOTICE TRIB TO CHALLIS CREEK. 72-04136 WAS FILED FOR THIS SAME USE IN ERROR AND WILL NOT BE CLAIMED IN THE SNRBA.

09/30/1965

Field Inspection Flag: I
Presumption Flag: I

•

10

11

POOR ORIGINAL

12

15

14

13

T14N R18E

Ownership Plot Copied
from Custer County
Assessor's Files

AUG. 1993

R. V. 2K

0801
3-2-91
3-5-91
N 1/2
13-5-94
11-1-91
11-1-91

181399
1501
300 Road
14405.7
1801
14753.7
181358
7801
162370
1801
103443
7801

COP

POOR ORIGINAL

T4N
R18E

APPROX
SCALE 1" = 1210'

FROM BLM Aerial Photo
BLM ID 88AC 5-80-15
7/1/1988
Enlarged 2X

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OCT 6 1994

POOR ORIGINAL

Creek Creek

10 Jeffs

R18E

Spring

Springs

079

15

T 14 N

14

13

72-00000

3 P/D's

Creek

22

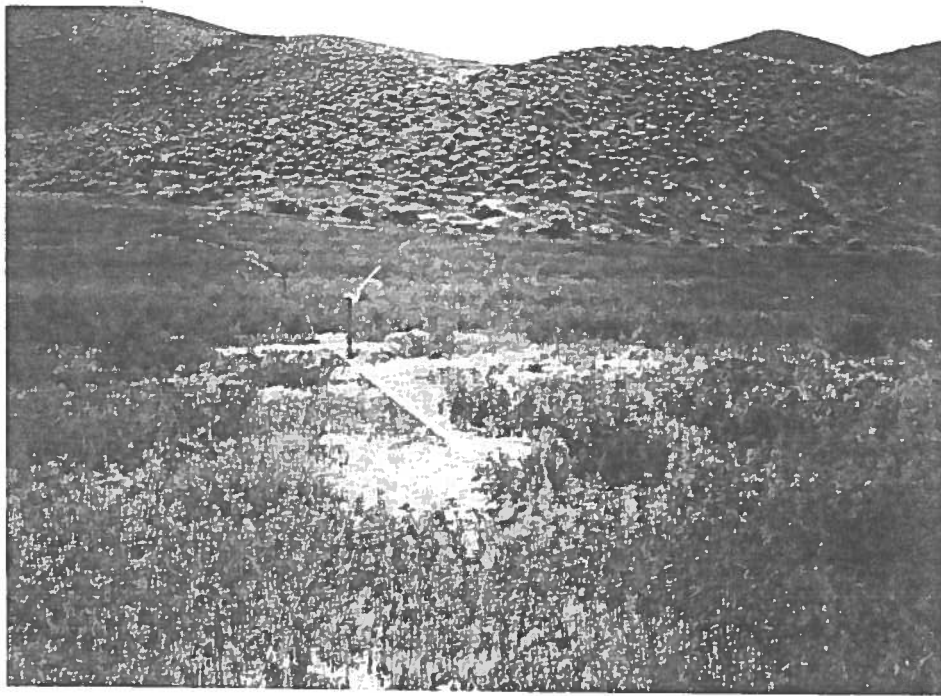
24

MICROFILMED

OPQ T 74
(1956)

POOR ORIGINAL

cop

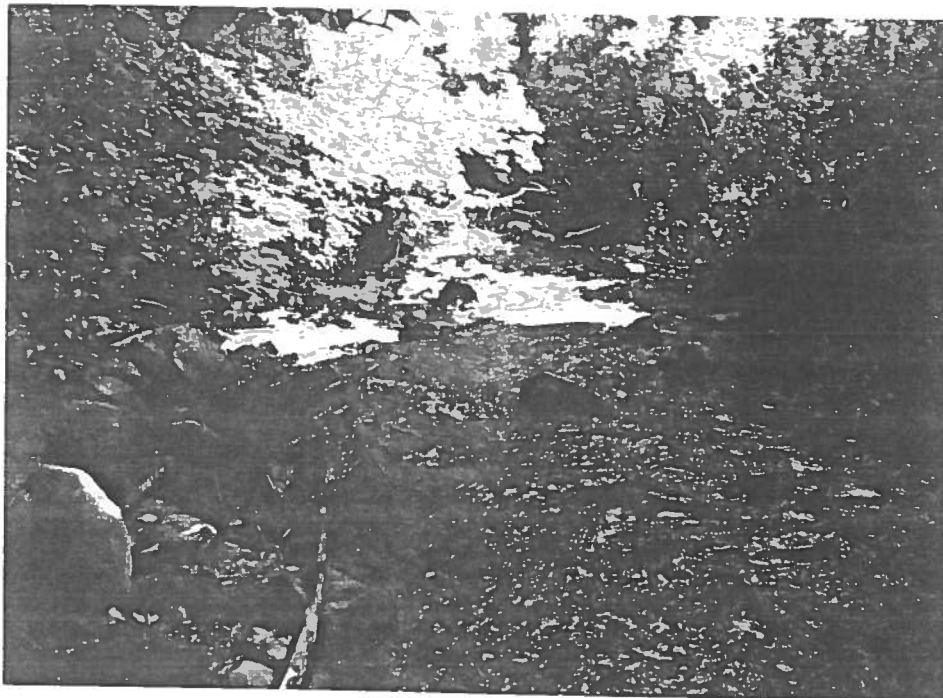


R14-0
8/10/93

Loye Wren Sprinklers
Very Low gravity Pressure.

72-2773-4
POOR ORIGINAL

COP



Washed out Rock Dam on Mill Creek - to supply
High ditch on NW side of property

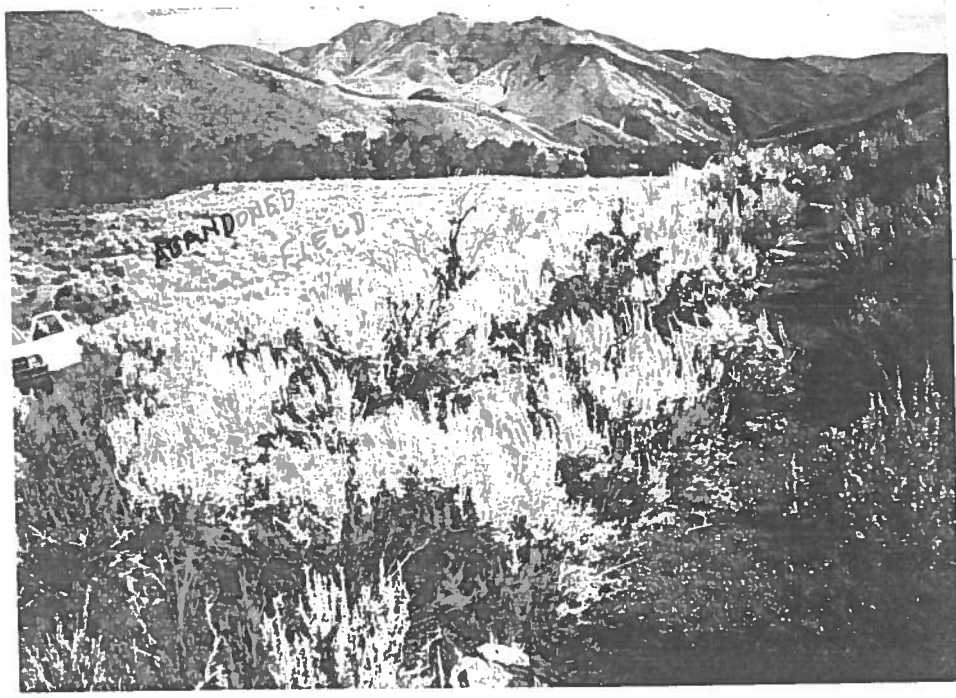
R12-12
8/13/93



Entrance to west side High Ditch on NW side of
Property Ditch has been abandoned.

R12-13
8/13/93

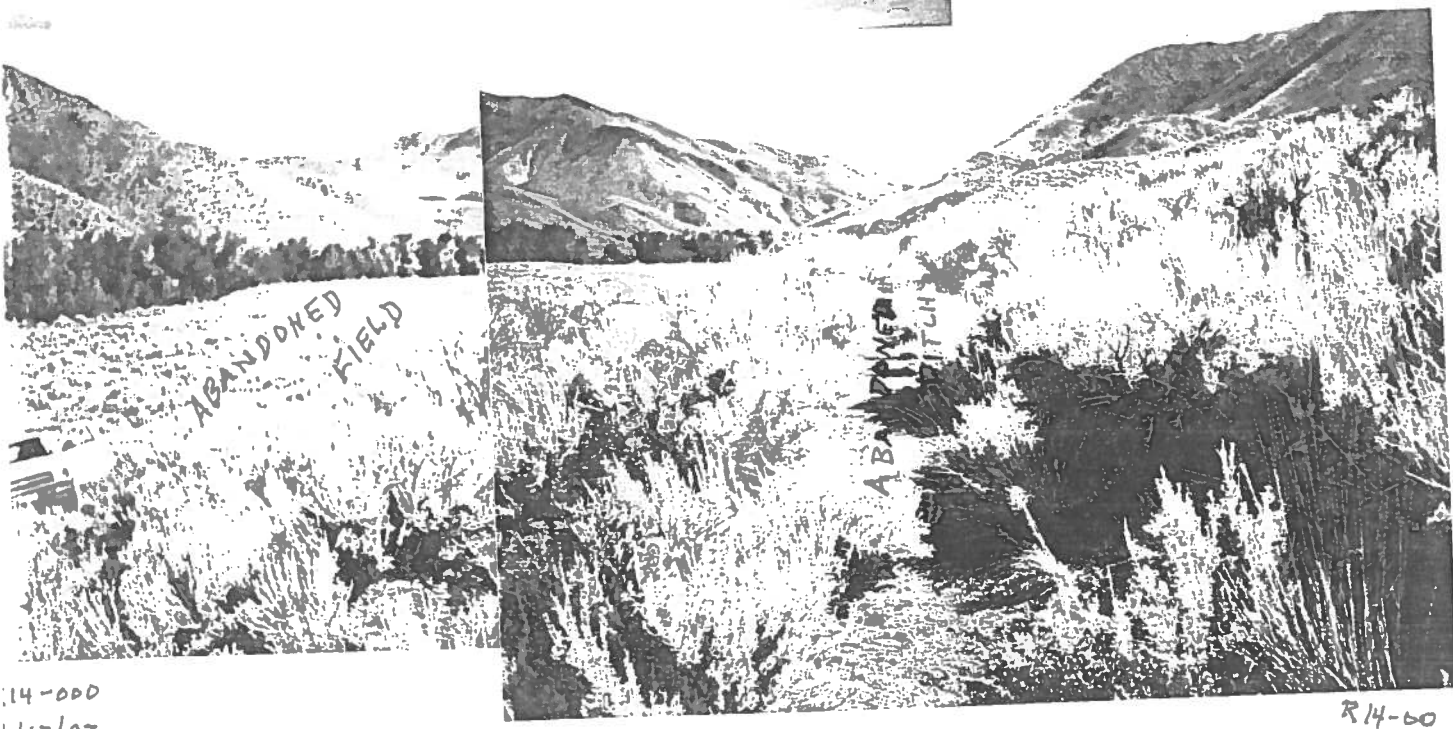
MICROFILMED
1993



Abandoned
Ditch

R12-13
8/13/93

Abandoned Field and Ditch on 3W Ranch
View Looking North.



R14-000
8/13/93

R14-00
8/13/93

Abandoned Field and irrigation ditch on 3W Ranch
View Looking North. MICROFILMED
107 11 1994

POOR ORIGINAL



View of Wren's Irrigated Field

R 12-12
8/10/93

R12-11



View of Wren's Seepage area - supplied by

R12-10
8/10/93

MICROFILMED

001 7 8 934

403

GRADED BORDER EVALUATION

Job name: 72-00028
By: VW

Location: DBB SOIL 6.25 ACRES
Date:

Roughness coefficient (n)= 0.150 Intake family (If)=1.50
Slope (S)= 0.0590 ft/ft Border width (W)= 19 ft
Net application (Fn)= 2.53 inches Border length (L)= 465 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
0.30	Gross depth is less than required gross application depth					
0.31	Gross depth is less than required gross application depth					
0.32	Gross depth is less than required gross application depth					
0.33	Gross depth is less than required gross application depth					
0.34	0.018	13.30	10.39	0.38	19.0	(2) (4)
0.35	0.018	13.69	10.39	0.77	18.5	(2) (4)
0.36	0.019	14.08	10.39	1.17	18.0	(2) (4)
0.37	0.019	14.47	10.39	1.56	17.5	(2) (4)
0.38	0.020	14.86	10.39	1.95	17.0	(2) (4)
0.39	0.021	15.26	10.39	2.34	16.6	(2) (4)

- (2) Erosive stream-- non-sod forming crops.
- (4) Less than minimum recommended depth of flow.

HUBBLE Analysis

MICROFILMED
OCT 28 1994

GRADED BORDER EVALUATION

Job name: 72-00028
By: RVW

Location: DBB SOIL 1.2 ACRES
Date: Jan 19, 1994

Roughness coefficient (n)= 0.150 Intake family (If)=1.50
Slope (S)= 0.2700 ft/ft Border width (W)= 16 ft
Net application (Fn)= 2.53 inches Border length (L)= 93 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
0.05	Gross depth is less than required gross application depth					
0.06	0.004	13.94	10.39	1.02	18.2	(4)
0.07	0.004	16.26	10.39	3.34	15.6	(4)
0.08	0.005	18.58	10.39	5.66	13.6	(4)
0.09	0.006	20.90	10.39	7.99	12.1	(2) (4)
0.10	0.006	23.23	10.39	10.31	10.9	(2) (4)

- (2) Erosive stream-- non-sod forming crops.
(4) Less than minimum recommended depth of flow.

Hubble Analysis

MICROFILMED
OCT 28 1994

SOIL CHARACTERISTICS

Soil Type = DBB; DAWTONIA...GRAVELLY LOAM
Source of Soils Data = Printout From SCS State Office

CLAIM NO. --- A72-00028
AGENT ----- RVW
DATE ----- 01/19/94

Lotus Program:
IRR-PRAC.WK3
Date form revised:
4/21/93 by KKC

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)	intake family	
lower	upper	lower	upper	lower	upper	lower	upper			flood	furrow
0	4	0.12	0.15	6.6	7.3	1	2	1	1.34	2	0.55
4	24	0.09	0.11	7.4	7.8			1	1.44		
24	60	0.06	0.08	7.9	8.4			3	3.38		
								4	4.22	alternate	
								5	5.06	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD
alfalfa (hay or seed)	5	0.5	2.53
corn (field or silage)	4	0.5	2.11
grain (winter or spring)	4	0.5	2.11
pasture (or grass hay)	3	0.5	1.69
other (enter below)			

FIELD NOTES AND CALCULATIONS				
	FIELD 1	FIELD 2	FIELD 3	FIELD 4
FIELD WIDTH	700	560		
IRRIGATION DAYS	10	2		
DRY DAYS	2	10		
SET TIME(hours)	8	8		
CALCULATED RUN (run = acres*43560/width)				
RUN =	464	580	593	
CALCULATED BORDER WIDTH (ditch length/irr days * cha				
WIDTH =	19	16		
THEORETICAL ROTATION (mad/net irr req in inches per				
SELECTED MAD =	2.53			
ROTATION =	12.3 DAYS			

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
Figure No = 10-15

crop	acres	system	recomm. eff.	mar	Net Irrigation Requirement (mm/day)						oct
				apr	may	jun	jul	aug	sep		
PASTURE		FLOOD	10.4	1.47	3.84	4.87	5.86	4.56	3.23		2.07
ALFALFA	6.25	FLOOD		1.28	4.51	5.65	6.25	4.45	2.52		0.7
ALALFA	1.2	FLOOD									

Summary 7.45 1.07 3.78 4.74 5.24 3.73 2.11 0.59

Peak Net Irrigation Requirement (mm/day) = 5.24

Hubble Analysis.

Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
HUBBLE ENGINEERING INC. OCTOBER 1991
Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES
Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

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