

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: **A72-04032**
Date Received: 11/15/1989
Receipt No: M005223
Received By: _____

AMENDED

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

AMENDED

1. Name: NYLE THORNOCK 208-879-4472
Address: P.O. BOX 570
CHALLIS ID 83226
AND/OR
Name: SHIRLEY ANN THORNOCK 208-879-4472
Address: P.O. BOX 570
CHALLIS ID 83226

2. Date of Priority: APR 1, 1961

3. Source: SALMON RIVER Trib. to: SNAKE RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
15N	19E	26	NE	NE	SW	3	CUSTER

5. Description of diverting works:
HEADGATE AND DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.44		

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

A.F.A.

8. Total consumptive use is 77.5 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
15N	19E	24	SW	SW	7	IRR	10.0 5

10. Place of Use: Continued

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
----------	-------	---------	------------	-----	-----	-------

					Section Acres	10.0
--	--	--	--	--	---------------	------

		25				
--	--	----	--	--	--	--

	NW					
--	----	--	--	--	--	--

	NW					
--	----	--	--	--	--	--

			4		IRR	
--	--	--	---	--	-----	--

					IRR	
--	--	--	--	--	-----	--

						20.0
--	--	--	--	--	--	------

15 *MS*

	SW					
--	----	--	--	--	--	--

	NW					
--	----	--	--	--	--	--

			4		IRR	
--	--	--	---	--	-----	--

					IRR	
--	--	--	--	--	-----	--

						1.0
--	--	--	--	--	--	-----

					Section Acres	21.0
--	--	--	--	--	---------------	------

					Total Acres	
--	--	--	--	--	-------------	--

31.0 *21 MS*

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:

CLAIMS A72-04032, A72-04033 AND A72-04034 DESCRIBE EXPANSIONS OF
THE LAND AS IT WAS PUT INTO PRODUCTION.

15. Basis of Claim: STATUTORY CLAIM

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.

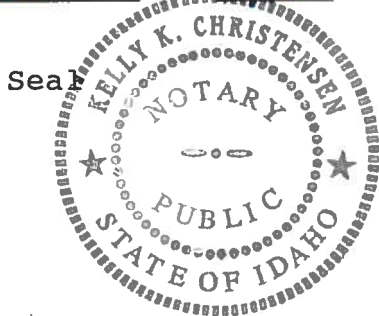
Signature of Claimant(s): *Nyle J. Kosmicki* Date: 11-23-93

Date: _____

State of Idaho)
County of Custer) SS.

Subscribed and sworn (or affirmed) before me this 23rd day
of Nov 19 93

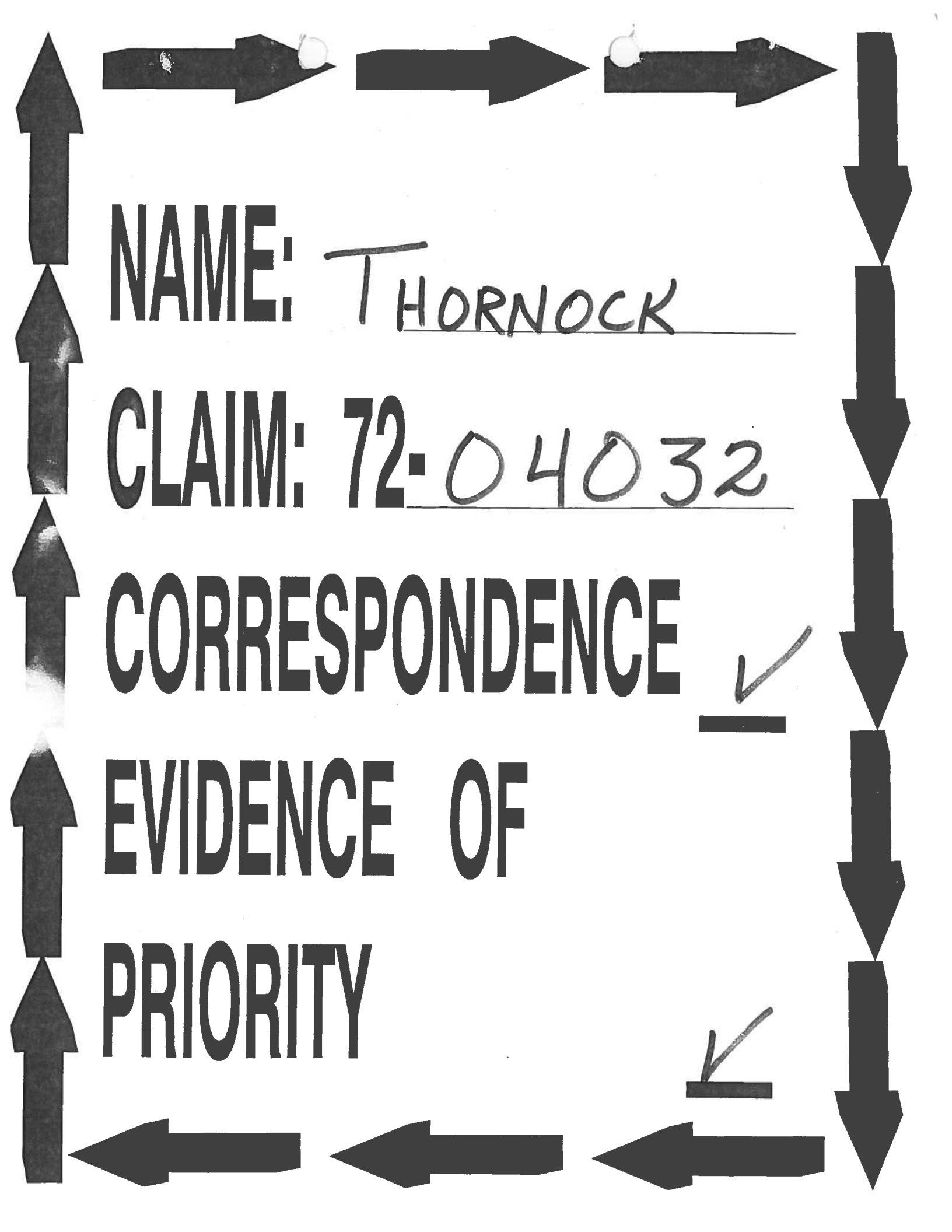
Kelly K. Christensen
Notary Public



Residing at Kimberly Id.
My Commission Expires 3-2-98

*we are amending the diversion rate to
recognize the excess flow requirement and
to shift 10 acres from this claim to
A72-04034*

Anne Thornock



NAME: THORNOCK

CLAIM: 72-04032

CORRESPONDENCE



EVIDENCE OF

PRIORITY



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
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CHALLIS, ID 83226

AND/OR

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2. Date of Priority: APR 01, 1961

3. Source: SALMON RIVER Trib. to: SNAKE RIVER

4. Point of Diversion:

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15N	19E	26	NE	NE	SW	3	CUSTER

5. Description of diverting works:
HEADGATE AND DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.240		

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

8. Total consumptive use is 77.5 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
15N	19E	24	SW	SW	7	IRR	10.0
						Section Acres	10.0
		25	NW	NW	4	IRR	20.0
			SW	NW	4	IRR	1.0
						Section Acres	21.0
						Total Acres	31.0

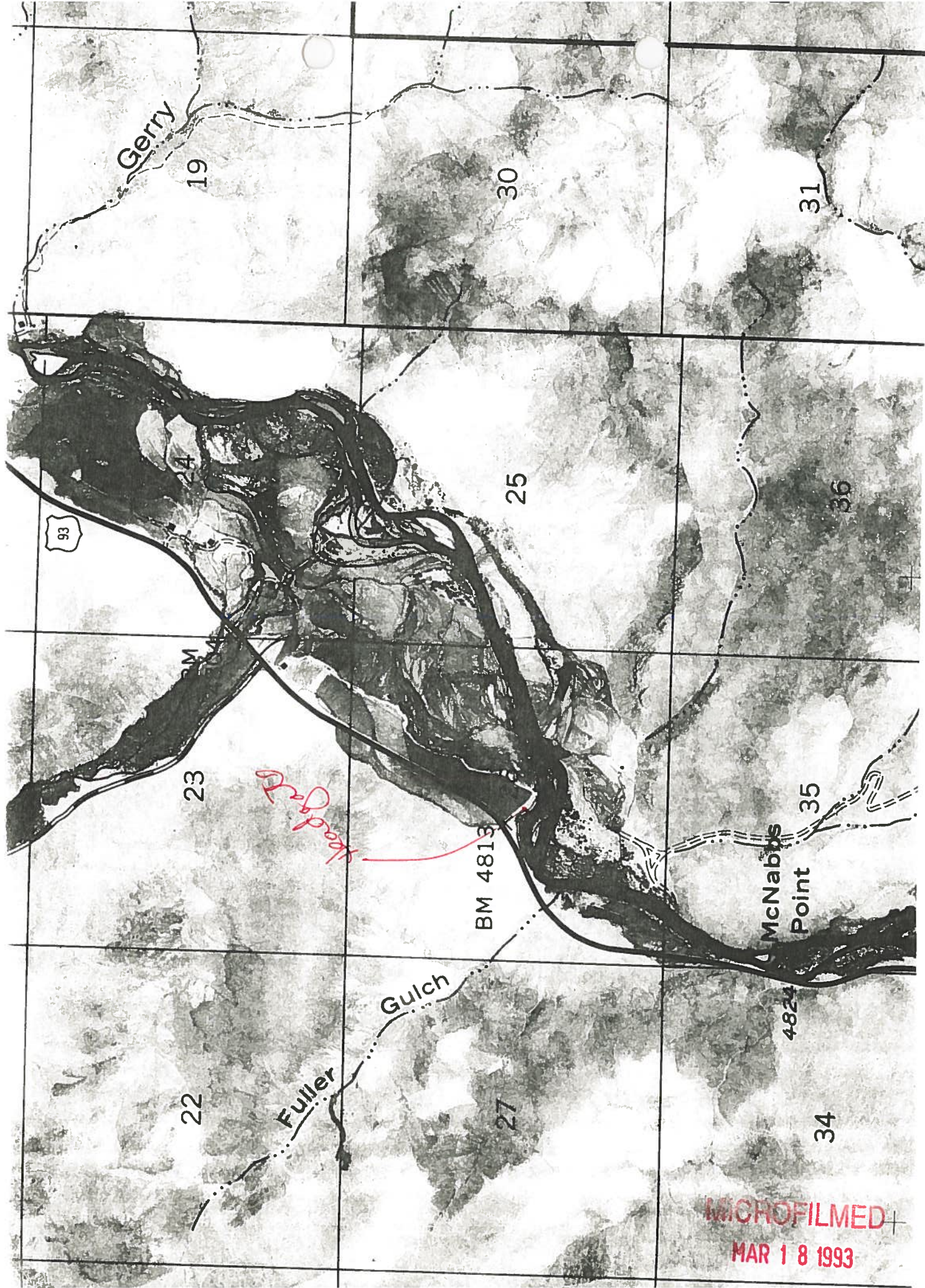
11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:
NONE

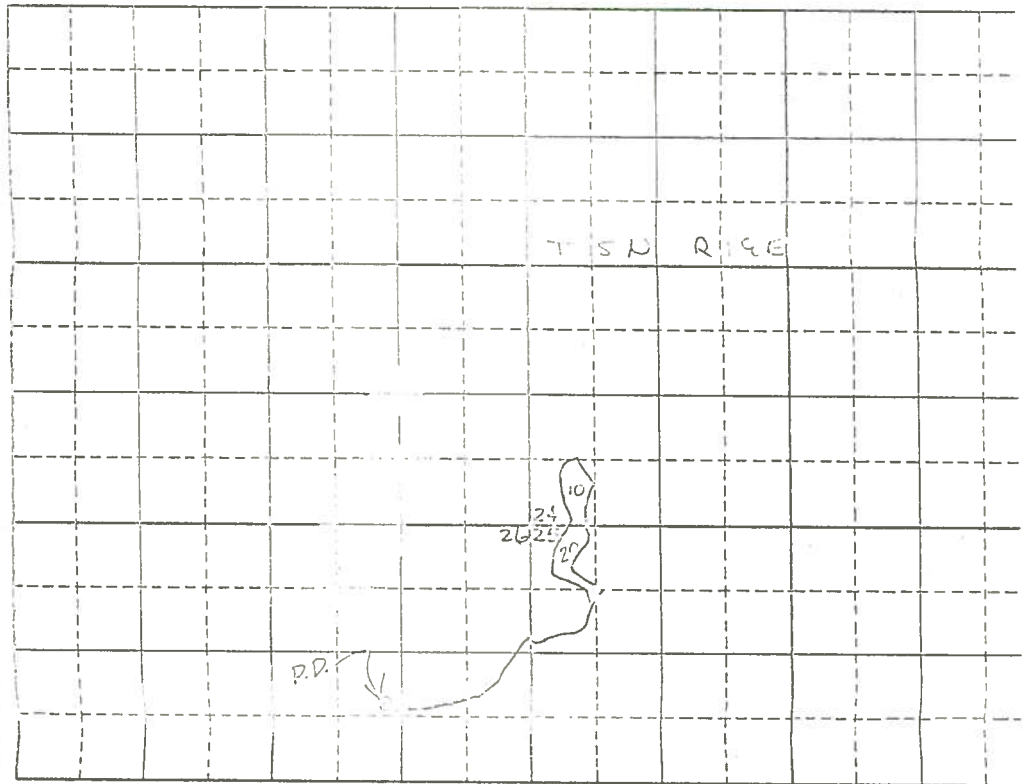
14. Remarks:
CLAIMS A72-04032, A72-04033 AND A72-04034 DESCRIBE EXPANSIONS OF
THE LAND AS IT WAS PUT INTO PRODUCTION.

15. Basis of Claim: STATUTORY CLAIM



MICROFILMED
MAR 18 1993

(8) Remarks



Scale: 2 inches equal 1 mile.

Map should show the location of the point of diversion and the place of use of the water by 40-acre subdivisions, section, township and range of the public land survey system.

State of Idaho)

County of Twin Falls) ss.

Be it known that the undersigned, being duly sworn, deposes and says that he, she, they subscribed the foregoing claim to a water right, together with all attached information, and that the matters and facts therein are true to the best of the affiant's knowledge.

Sworn to before me this 22 day of March, 1977

X Hyde H. Harnack
(Claimant)

Michael L. Stein
Notary Public
Residing at Twin Falls, Idaho

My commission expires April 1978

For Department Use Only

Received by <u>sch</u>	Date <u>3/15/77</u>	Exception filed by:	Forwarded to	Date
Prelim. check by <u>ADM</u>	Date		claimant by:	
\$10.00 fee received by <u>sch</u>	Date <u>3/15/77</u>			
Approved for publication by <u>TGB</u>				
Published in <u>Custer Reg. Co.</u>				
Dates <u>3/31 & 4/1/77</u>				

MICROFILMED
MAR 18 1993

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

Number of attachments: 2 (maps)

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 Helen J. Hornack Date: X 11-15-89

Date: _____

State of Idaho)
County of Custer) SS.

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

Helen Harrington
Notary Public

Seal

Helen Harrington, Notary Public
Residing at _____ Residing at Boise, Idaho
My Commission Expires December 1, 1994
My Commission Expires _____



State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301 (208) 736-3033

CECIL D. ANDRUS
Governor

March 2, 1992

R. KEITH HIGGINSON
Director

A72-04032
NYLE THORNOCK
SHIRLEY ANN THORNOCK
P.O. BOX 570
CHALLIS

ID 83226

Letter not sent

RE: Evidence of Priority

RESPONSE DEADLINE
MAY 1, 1992

Dear Claimant:

The Notice(s) of Claim identified with the number shown above your name on the mailing label has been filed in the Snake River Basin Adjudication (SRBA). The Notice(s) indicate your water usage is based on "Beneficial Use" or a "Statutory Claim". Water rights of this type are established by the historical use of water, dating back to when water was first used for the purpose claimed. **The date of first use, known as the priority date**, has not been confirmed by a License, Decree or Permit. The Department will soon conduct reviews &/or field exams for the claims in your area. Since the priority date of a beneficial use water right can not be confirmed by field examination, **proof must be provided supporting the priority date you have claimed.**

The Department will not recommend the Notice(s) be decreed by the court as claimed if no evidence of a priority date is submitted.

Please find enclosed a computer printout of your Notice(s) and the pamphlet entitled "**Evidence of Priority**". The pamphlet describes the types of evidence required and suggests which documents will fulfill this requirement. I direct your attention to the two sections entitled "**What Kind of Evidence is Required**" and "**Some Examples of Documents Which May Be Evidence of the Priority Date**".

Please submit the required evidence supporting the priority date(s) by **May 1, 1992**, referencing all documents with the corresponding Notice number(s). If you have any questions not covered by this letter or the enclosed pamphlet, please contact this office.

Respectfully submitted,

Allen Merritt, P.E.
Water Rights Supervisor

Enclosures

MICROFILMED
MAR 18 1993

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORTAJ5808NP
(00-26)Water Right Number - A72-04032 Prefix Translation: ADJUDICATION CLAIM Old (D) Number -
+ - - - - Last Name - - - - + + - - - - First Name - - - - + - - - - - Address - - - - - +*** C - CURRENT OWNER ***
THORNOCK

NYLE

1 - P.O. BOX 570
2 -
3 -

State- ID Zip- 83226

City- CHALLIS
Phone - 208-879-4472
1 - P.O. BOX 570
2 -
3 -

THORNOCK

SHIRLEY ANN

State- ID Zip- 83226

City- CHALLIS
Phone - 208-879-4472+ - - - Priority Date - - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
04/01/1961 17 SOUTHERN S - STATUTORY CLAIM+ - - - Source - - - - - + + - - - - - Tributary - - - - - +
SALMON RIVER SNAKE RIVER+ - - - - - - - - - - Point of Diversion - - - - - +
TwN Rng Sec Tract Lot RFlg County Stream Index (Blank if no Index Code)

15N 19E 26 NE NE SW 3 (37) CUSTER

+ - - - - - - - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume

01 - IRRIGATION

04/01 11/01

1.240

+ - - Total Div. Rate - + + - - Total Div. Volume - + + - - Total Div. Capacity - + + - - Total Consumptive Use - + + - - KW Usage - +
1.240 1.240 77.5+ - - - - - - - - - - Place of Use - - - - - +
TwN Rng Sec Tract Lot Acres Code Description County15N 19E 24 SW SW 7 10.0 01 IRRIGATION (37) CUSTER
15N 19E 25 NW NW 4 20.0 01 IRRIGATION (37) CUSTER
15N 19E 25 SW NW 4 1.0 01 IRRIGATION (37) CUSTER

Total Acres: 31.0

+ - - Diversion Means - HEADGATE AND DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

+ - - - - - - - - - - Remarks - - - - - +
CLAIMS A72-04032, A72-04033 AND A72-04034 DESCRIBE EXPANSIONS OF
THE LAND AS IT WAS PUT INTO PRODUCTION.MICROFILMED
MAR 18 1993

| | | | | | | | | |
|-----------------------|---|------------|-----------------------|---|------------|-------------------------|---|-------|
| 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 | - | 05/06/1985 | 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 | - | |
| Licensed Date | - | 00/00/0000 | Receipt Number | - | M005223 | Federal/State Indicator | - | S |
| Claims Tape Error Flg | - | | POU Ownership Flag | - | Y | Presumption Flag | - | |
| Fee Exempt Flag | - | | Name Connector | - | AND/OR | Notice of Error Flag | - | |

I hereby attest to the fact water was first used on the lands now owned 734 91
by Thayer J. Thorne in 1961 and continuously used
the lands are described as follows T13N R19E S24 SW1/4 10A
S25 NW1/4 20A SW1/4 1A County of Custer
the point of diversion is located in the NE 1/4 SW1/4 S26 T13N R19E
County of Custer
I have personal knowledge these facts are true.

Signed Ralph H. Hutchinson
Notary Public South Dakota
Sioux Falls, S.D.

4032

I hereby attest to the fact water was first used on the lands now owned
by Thyer J. Tharwick in 1961
the lands are described as follows T15N R19E S24 SW1/4 10A
S25 NW1/4 20A SW1/4 10A COUNTY OF CUSTER
the point of diversion is located in the NE1/4 SW1/4 S26 T15N R19E
COUNTY OF CUSTER
I have personal knowledge these facts are true.

Signed Thyer J. Tharwick
Notary Public for South Dakota
My Comm. Expires 2/28/80

Thyer J. Tharwick

A72-4032 MICROFILMED

MAR 18 1993

I hereby attest to the fact water was first used on the lands now owned

by Wyle J. Harwood in April 1961

the lands are described as follows T15N R19E S24 SW1/4 10A

S 25 NW1/4 30A SW1/4 1A COUNTY OF CUSTER

the point of diversion is located in the NE1/4 SW1/4 S 36 T15N R19E

I have personal knowledge these facts are true. COUNTY OF CUSTER

Signed [Signature]

Notary Public [Signature]

Challen J. Lohd

A72-4032
MICROFILMED

MAR 18 1993

November 20, 1998

**NOTICE OF ERROR
REPLY**

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: December 18, 1998

Water right number: 72-04032

SHIRLEY ANN THORNOCK
NYLE THORNOCK
PO BOX 570
CHALLIS ID 83226

Daytime Telephone Number:

Evening Telephone Number:

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

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

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

☒ I AGREE with this proposed recommendation; no changes need to be made.

DATE: 12-8-98 SIGNATURE: Nyle J. Thornock
Please print your name: NYLE J. THORNOCK

Water Right Number - R72-04032

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***

THORNOCK

SHIRLEY ANN

1 - PO BOX 570

2 -

3 -

City- CHALLIS

Phone - 208-879-4472

VERIFIED BY *KKC*
11-6-98

State- ID Zip- 83226

THORNOCK

NYLE

1 - PO BOX 570

2 -

3 -

City- CHALLIS

Phone - 208-879-4472

State- ID Zip- 83226

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
04/01/1961 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
SALMON RIVER SNAKE RIVER

+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County Diversion Name

15N 19E 26 NE NE SW 3 (37) CUSTER

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume

01 - IRRIGATION 04/15 10/15 1.440

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
1.440 0.0

+ - - - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County

| | | | | | | | | |
|-----|-----|----|-------|---|-----|----|------------|-------------|
| 15N | 19E | 24 | SW SW | 7 | 8.2 | 01 | IRRIGATION | (37) CUSTER |
| 15N | 19E | 25 | NE NW | 4 | 1.2 | 01 | IRRIGATION | (37) CUSTER |
| 15N | 19E | 25 | NW NW | 4 | 9.7 | 01 | IRRIGATION | (37) CUSTER |
| 15N | 19E | 25 | SW NW | 4 | 1.0 | 01 | IRRIGATION | (37) CUSTER |
| 15N | 19E | 25 | SE NW | 4 | 0.1 | 01 | IRRIGATION | (37) CUSTER |

Total Acres: 20.2

+ - - Diversion Means - HEADGATE AND DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

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

EXP THE FOLLOWING RIGHTS ARE DIVERTED THROUGH THE POINT OF

Water right number - R72-04032

Prefix Translation: RESEARCH

+ - - - - Remarks - - - - - +
DIVERSION DESCRIBED ABOVE: 72-04032, 72-04033, 72-04034
AND 72-04025.

+ - - - - Old Water Right Numbers - - - - - +
No Old Water Right Numbers found.

+ - - - - Conditions of Approval - - - - - +
No Conditions of Approval found.

+ - - - - Decree Plaintiff - - - + + - - - - Decree Defendant - - - + + - Decree Date - +
00/00/0000

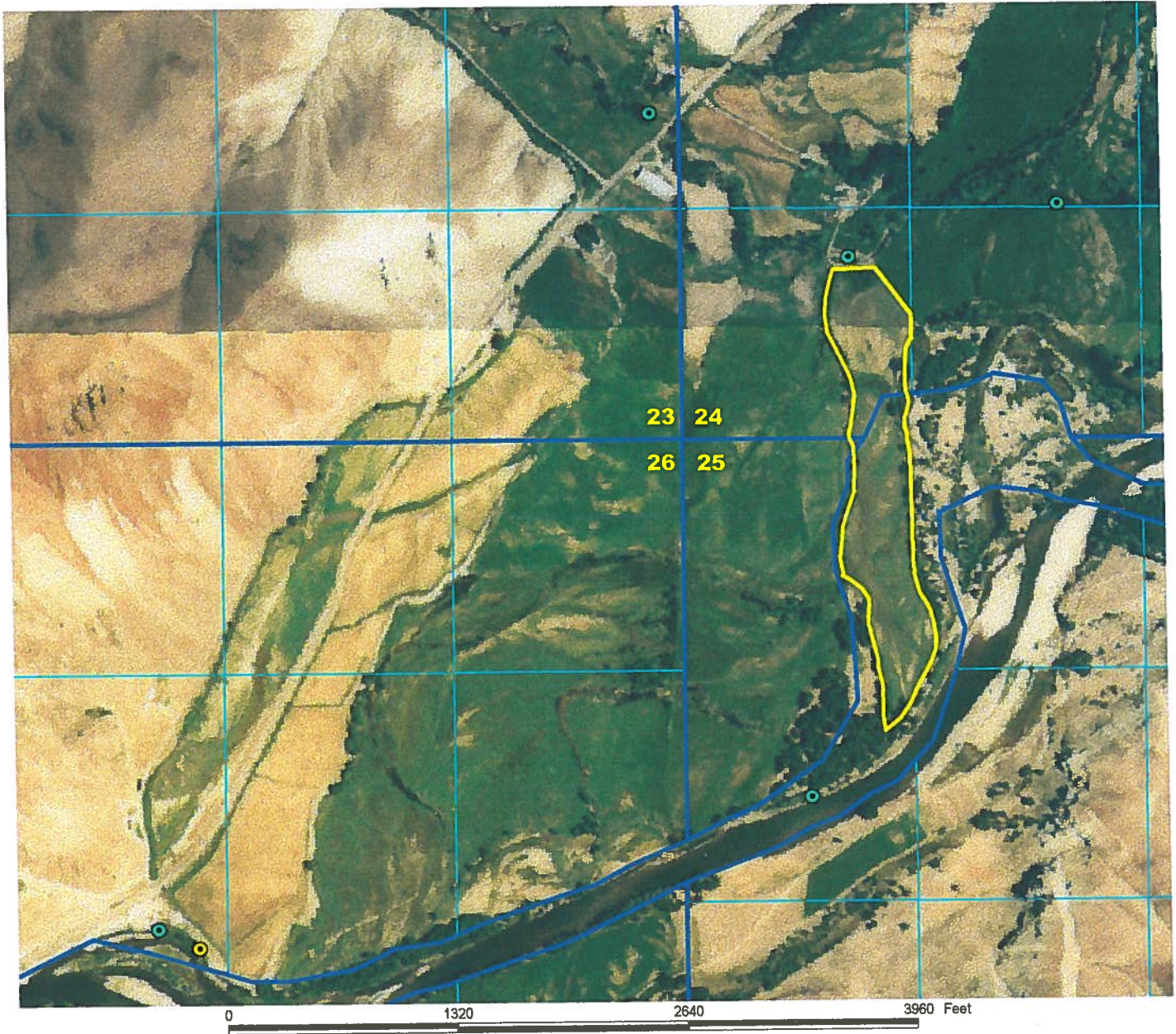
+ - - Audit Fields - 11/13/92 CLELLANO 12/02/93 CHRISTEN 12/08/93 CHRISTEN 02/03/94 CHRISTEN 04/25/94 CHRISTEN
03/30/95 POST-STD 10/07/98 KCHRISTE

+ - - - - Comments - - - - - +
Date: 12/08/1993 User Id: CHRISTEN Subject: COPIED FROM REMARKS
CLAIMS A72-04032, A72-04033 AND A72-04034 DESCRIBE EXPANSIONS OF THE LAND AS IT WAS PUT INTO PRODUCTION.
*** CLAIM WAS AMENDED ON 11-23-93 TO INCREASE THE CLAIMED DIVERSION RATE AND TO SHIFT 10 ACRES FROM THE CLAIMED P/U UNDER
THIS CLAIM TO A72-04034. KKC ***

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

| | | | | | |
|----------------------|--------------|-----------------------|--------------|-------------------------|---------|
| Court Report Filing | - 00/00/0000 | Field Inspection Made | - 08/16/1993 | Civil Case Number | - 39576 |
| Objection Filed Date | - 00/00/0000 | 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 | - |
| Licensed Date | - 00/00/0000 | Receipt Number | - M005223 | Federal/State Indicator | - S |
| | | POU Ownership Flag | - Y | Presumption Flag | - |
| | | Name Connector | - AND/OR | Notice of Error Flag | - |

72-04032 SALMON RIVER RIGHT THORNOCK



RECOMMENDED PLACE OF USE
TWP 15N. RNG 19E, SEC 24 & 25
data entry on October 7, 1998



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

GIS PLACE OF USE PRESENTATION
1992 USDA-F AERIAL PHOTOGRAPHY
DATA ENTRY BY KELLY K CHRISTENSEN

CLAIM NUMBER

72-04032

DATE

10-7-98

TRANSFER NUMBER

AGENT

KKC

CLAIMED ACRE TOTAL

21

GIS ACRE TOTAL

20.2

| | TWP | RNG | SEC | NE | | | | NW | | | | SW | | | | SE | | | | |
|-------|-----|-----|-----|----|----|----|----|-----|-----|----|----|----|----|-----|----|----|----|----|----|-----|
| | | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| CLAIM | 15N | 19E | 24 | | | | | | | | | | | 5 | | | | | | 5 |
| GIS | | | 24 | | | | | | | | | | | 8.2 | | | | | | |
| RECOM | | | | | | | | | | | | | | 8.2 | | | | | | 8.2 |
| CLAIM | 15N | 19E | 25 | | | | | | 15 | 1 | | | | | | | | | | 16 |
| GIS | | | | | | | | 1.2 | 9.7 | 1 | .1 | | | | | | | | | |
| RECOM | | | | | | | | 1.2 | 9.7 | 1 | .1 | | | | | | | | | 12 |
| CLAIM | | | | | | | | | | | | | | | | | | | | |
| GIS | | | | | | | | | | | | | | | | | | | | |
| RECOM | | | | | | | | | | | | | | | | | | | | |
| CLAIM | | | | | | | | | | | | | | | | | | | | |
| GIS | | | | | | | | | | | | | | | | | | | | |
| RECOM | | | | | | | | | | | | | | | | | | | | |

B72-DBPOU.SHP

SHAPE NOS.

139

B72-DBPOD.SHP

NOS. DESCRIPTION

52 Sec 26 P/O shared with
NENESW 72-04033
04034
and others

DBF TABLES UPDATED

B72-DBPOU.DBF

B72-DBPOD.DBF

REEVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-04032

DATE: 10-7, 1998

REVIEWED BY KXC

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 |
| 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 |
| DRF | .18 | .19 | | | 9.08 | 9.68 |
| DT2 | .05 | .04 | | | 12.46 | 16.50 |
| DWA | .14 | .14 | | | 4.79 | 5.01 |
| GO1 | .10 | .12 | | | 12.47 | 10.51 |
| KEG | .08 | .07 | | | 8.73 | 10.06 |
| MBF | .15 | .12 | | | 7.65 | 5.81 |
| 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 |
| Q | .26 | .21 | | | 13.2 | 10.4 |
| 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 |
|-----------|----------------------------|---------------------------|-----------------------------|-----------------------|----------------------|
| CB1 | 11.55 | 10 | * 14.3 | * .06 | = .86 CFS |
| Q | 13.2 | 60 | * 5.9 | * .26 | = 1.53 CFS |
| | | | * | * | = CFS |
| | | | * | * | = CFS |

TOTAL ACRES _____

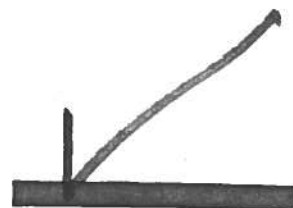
DECREED RATE =

CLAIMED DIVERSION RATE = 1.44

MEASURED DIVERSION RATE =

2.39

R PROOF



CVR



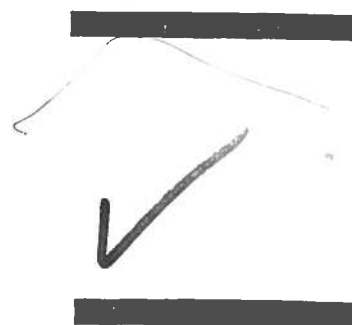
MAPS



PHOTOS

*See
A72-00149*

MISC



Water Right Number - R72-04032

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***
THORNOCK

SHIRLEY ANN

1 - PO BOX 570
2 -
3 -

VERIFIED BY *KKC*

THORNOCK

NYLE

City- CHALLIS
Phone - 208-879-4472
1 - PO BOX 570
2 -
3 -
City- CHALLIS
Phone - 208-879-4472

State- ID Zip- 83226

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
04/01/1961 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - - + + - - - Tributary - - - - -
SALMON RIVER SNAKE RIVER

+ - - - - Point of Diversion - - - - -
Twn Rng Sec Tract Lot RFlg County

15N 19E 26 NE NE SW 3 (37) CUSTER

+ - - - - Water Use - - - - - Diversion Rate Diversion Volume
Code Description Period From Period To

01 - IRRIGATION 04/15 10/15 1.440

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
1.440 52.5

| Twn | Rng | Sec | Tract | Lot | Acres | Place of Use Code | Description | County |
|-----|-----|-----|-------|-----|-------|-------------------|-------------|-------------|
| 15N | 19E | 24 | SW SW | 7 | 8.0 | 01 | IRRIGATION | (37) CUSTER |
| 15N | 19E | 25 | NW NW | 4 | 11.0 | 01 | IRRIGATION | (37) CUSTER |
| 15N | 19E | 25 | SW NW | 4 | 2.0 | 01 | IRRIGATION | (37) CUSTER |

Total Acres: 21.0

+ - - Diversion Means - HEADGATE AND DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

+ - - - - Remarks - - - - -

THE FOLLOWING RIGHTS ARE ~~NOT~~ DIVERTED THROUGH THE POINT OF
DIVERSION DESCRIBED ABOVE: 72-04032, 72-04033, 72-04034

*Diversion verified
7-25-94*

Water right number - R72-04032 Prefix Translation: RESEARCH

AND 72-04025. Remarks

No Old Water Right Numbers Found Old Water Right Numbers

No Conditions of Approval found. Conditions of Approval

Decree Plaintiff Decree Defendant Decree Date 00/00/0000

Date: 12/08/1993 User Id: CHRISTEN Subject: COPIED FROM REMARKS
CLAIMS A72-04032, A72-04033 AND A72-04034 DESCRIBE EXPANSIONS OF THE LAND AS IT WAS PUT INTO PRODUCTION.
*** CLAIM WAS AMENDED ON 11-23-93 TO INCREASE THE CLAIMED DIVERSION RATE AND TO SHIFT 10 ACRES FROM THE CLAIMED P/U UNDER
THIS CLAIM TO A72-04034. KKC ***

Audit Fields 02/03/94 CHRISTEN

| Adjudication Rights Dates and Flags Area | | Civil Case Number |
|--|------------|-------------------------|
| Court Report Filing | 00/00/0000 | 39576 |
| Objection Filed Date | 00/00/0000 | Old Case Number |
| Response Filed Date | 00/00/0000 | Old Judicial District |
| Claim Received Date | 11/15/1989 | Temporary Right |
| | | P |
| | | Water District |
| | | Federal/State Indicator |
| | | S |
| | | Presumption Flag |
| | | Notice of Error Flag |
| | | |

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

00:51:36
06/04/92

PAGE: 12
QUICKLOOK INFORMATION

CLAIM NUMBER: A72-04032

| WR ELEMENT | FIELD EXAM
Y/N | CORRESPONDENCE
SENT/RECEIVED
BY WHOM/DATE | FIELD EXAM
BY WHOM/DATE | CHANGE
CLAIM
Y/N | VERIFIED BY
CODE | COMPLETED
REVIEW
WHOM/DATE | COMPLETED
DATA ENTRY
WHOM/DATE | VERIFIED
DATE
WHOM/DATE |
|--------------------------|-------------------|---|----------------------------|------------------------|---------------------|----------------------------------|--------------------------------------|-------------------------------|
| PRIORITY DATE | | | | | | | | |
| POINT OF DIV | (Y) | <i>affiliated in
misconf.</i> | KKC-93
8-16-91-93 | N | 6
42,56 | KKC
12-8-93 | | |
| SOURCE | | | " | N | " | " | | |
| DATE OF USE | (Y) | | " | Y | 42,56 | " | | |
| DIV AMOUNT
CES/VOLUME | (Y) | | " | N | " | " | | |
| CONSUMPTIVE USE | - | | KKC-8-93
12 | Y | 6 | " | | |
| PURPOSES | | | " | N | 6 | " | | |
| PERIOD OF USE | | | " | Y | 6 | " | | |
| BASIS OF CLAIM | | | " | Y | 6 | " | | |
| REMARKS | (Y) | | " | Y | 6 | 2-3-94
KKC | | |

VERIFIED BY CODES

TOPO MAP/ORTHO-PG = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER (SEE REMARKS) = 6

MAPS USED:

DATE:

ASCS T-75 1956
ORTHO 3CS SOLIS MAP 243-34
NAPP 7-10-88
BLM 7-10-88

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

11-16-92
su

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A72-04032

LAST: THORNOCK
ADDRESS: P.O. BOX 570
CITY: CHALLIS
PHONE NUMBER: 208-879-4472
OWNER CODE: C

FIRST: NYLE
STATE: ID ZIP: 83226

LAST: THORNOCK
ADDRESS: P.O. BOX 570
CITY: CHALLIS
PHONE NUMBER: 208-879-4472
OWNER CODE: C

FIRST: SHIRLEY ANN
STATE: ID ZIP: 83226

FIELD EXAM REQUIRED?

FIELD EXAMINER

DATABASE
Y

VERIFICATION REQUIRED DUE TO REMARKS?

CLAIM REMARKS: CLAIMS A72-04032, A72-04033 AND A72-04034 DESCRIBE EXPANSIONS OF THE LAND AS IT WAS PUT INTO PRODUCTION.

FIELD EXAMINATION INFORMATION

CLAIM NUMBER: A/2-04034

CONTACT PERSON: Delbert Hughes
DATE OF FIELD EXAM: 8/16/93 APPOINTMENT MADE: Y() N()
ACCOMPANIED BY: 9-1-93
RELATIONSHIP TO CLAIMANT: Leaseholder
DIRECTIONS TO PROPERTY / REMARKS:

PHONE NUMBER: () - - - -
TIME: : - - - - A() P()
PHONE NUMBER: () - - - -

A. AJ CLAIM: # A72-04032 PRIORITY DATE: 04-01-1961 STAGE: S
B. WR RECORD: # 72-04032 PRIORITY DATE: 04-01-1961 STAGE: S
C. FIELD EXAM REQUIRED? FIELD EXAMINER
DUE TO PRIORITY DATE DISCREPANCY? (Y/N) N

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N(X)

IF YES EXPLAIN.
REMARKS: *affidavits support claimed date and are based on Personal Knowledge.*

RECOMMENDED PRIORITY DATE:
04-01-1961

REVIEWED BY *Sen* DATE *11-17-92*

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

| RIGHT | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY |
|----------------------------------|------|------|------|----------------------------------|-----|-----|-----|--------|
| A72-04032 | 15N | 19E | 26 | NE | NE | SW | 3 | CUSTER |
| OTHER AJ CLAIMS WITH SAME AJ POD | | | | | | | | |
| A PREFIX | | | | WR RECORDS IN SAME 40 ACRE TRACT | | | | |
| R PREFIX | | | | | | | | |
| NONE | | | | | | | | |
| A72-04031 | | | | 72-04031 | | | | |
| A72-04033 | | | | 72-04033 | | | | |
| A72-04034 | | | | 72-04034 | | | | |
| A72-07055 | | | | 72-07055 | | | | |

SOURCE: SALMON RIVER

TRIB: SNAKE RIVER

B. WR POINT OF DIVERSION AND SOURCE:

| RIGHT | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY |
|-----------------------------------|------|------|------|---------------------------------|-----|-----|-----|--------|
| 72-04032 | 15N | 19E | 26 | | NE | SW | 3 | CUSTER |
| OTHER WR RECORDS WITH SAME WR POD | | | | | | | | |
| | | | | AJ CLAIMS IN SAME 40 ACRE TRACT | | | | |
| | | | | A PREFIX R PREFIX | | | | |
| 72-04031 | | | | NONE | | | | |
| 72-04033 | | | | | | | | |
| 72-04034 | | | | | | | | |
| 72-07055 | | | | | | | | |

SOURCE: SALMON RIVER

TRIB: SNAKE RIVER

C. FIELD EXAM REQUIRED?

| | DUE TO POD DISCREPANCY?
(Y/N) | DUE TO SOURCE DISCREPANCY?
(Y/N) | DATABASE
Y N | FIELD
EXAMINER
----- |
|--|----------------------------------|-------------------------------------|-----------------|----------------------------|
|--|----------------------------------|-------------------------------------|-----------------|----------------------------|

REMARKS:

found P/D agrees with claimed legal

accept as claimed

| RECOMMENDED POINT(S) OF DIVERSION AND SOURCE: | 1/4 | 1/4 | LOT | COUNTY |
|---|-------|-------|-------|--------|
| TWP. RGE. SEC. | | | | |
| ----- | ----- | ----- | ----- | ----- |
| ----- | ----- | ----- | ----- | ----- |
| SOURCE: SALMON RIVER | | | | |
| REVIEWED BY: KKC | | | | |
| DATE: 12-8-93 | | | | |

A. ROOT WATER RIGHT NUMBERS: A72-04032

B. POU LISTING

TWP RNG SEC 1/4 1/4 LOT NAME

| | | | | | | | | | | | |
|-------------|----|----|---|---------------------|-----------|-------|----------|-------|--------|----|----|
| 15N 19E 24 | SW | SW | 7 | THORNOCK, NYLE J. | A72-04032 | 10.0 | 72-04032 | 10.0 | 38.0 | 8 | 8 |
| | SW | SW | | THORNOCK, NYLE J. | A72-00149 | 18.0 | 72-00149 | | | | |
| | SW | SW | | THORNOCK, NYLE J. | A72-00150 | 18.0 | 72-00150 | | | | |
| | SW | SW | 7 | THORNOCK, NYLE | A72-04031 | 15.0 | 72-04031 | 15.0 | | | |
| | SW | SW | 7 | THORNOCK, NYLE | A72-04033 | 2.0 | 72-04033 | 2.0 | | | |
| 15N 19E 25 | SW | SW | 9 | THORNOCK, NYLE | A72-04034 | 12.0 | 72-04034 | 12.0 | | | |
| | SW | SW | | THORNOCK, NYLE J. | 72-04191 | 18.0 | | | | | |
| 15N 19E 25 | NW | NW | 4 | THORNOCK, NYLE | A72-04032 | 20.0 | 72-04032 | 20.0 | 43.0 | 11 | 11 |
| | NW | NW | 4 | THORNOCK, NYLE | A72-04034 | 30.0 | 72-04034 | 30.0 | | | |
| | NW | NW | | BLUME, IVAN | 72-00149 | | 72-00149 | | | | |
| 15N 19E 25 | SW | SW | 4 | THORNOCK, NYLE | A72-04032 | 1.0 | 72-04032 | 1.0 | 43.0 | 2 | 2 |
| | SW | SW | 4 | THORNOCK, NYLE | A72-04034 | 8.0 | 72-04034 | 8.0 | | | |
| | SW | SW | | HUTCHISON, RALPH W. | A72-04133 | 15.0 | 72-04133 | 15.0 | | | |
| TOTAL ACRES | | | | | A72-04032 | 31.00 | | 31.00 | 124.00 | | |

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y () N (X)

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

PRESUMPTION FLAG:

REMARKS:

Claim was amended to shift acres from this claim to A72-04034 based upon planimeter acre determination of each claim. Recommended acres were subsequently shifted between quarters to better describe this claim.

RECOMMENDATIONS:

TOTAL ACRES: 21

REVIEWED BY: KKC

DATE: 12-8-93

A. AJ CLAIMED USES:

PURPOSES
A72-04032 IRRIGATION

4-15 10-15 chg to
MONTH/DAY
FROM 04-01 TO 10-01
Sept 5 standard

rounded to 1.44 CFS
DIVERSION QUANTITY
1.240 CFS
1.240 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

B. WR RECORDED USES:

PURPOSES
72-04032 IRRIGATION

MONTH/DAY
FROM 04-01 TO 11-01

DIVERSION QUANTITY
1.240 CFS
1.240 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

C. PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

DUE TO WATER-USE DISCREPANCY? (Y/N)
DUE TO DIVERSION RATE DISCREPANCY? (Y/N)
DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N)

DATABASE
N
N
N

FIELD
EXAMINER

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

Y() N()

Y(☒) N()

Explain in remarks, below.

REMARKS:

Claimed rate = 1.44 CFS
excess flow analysis = 1.44 CFS

Recommended as claimed.

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS? Y() N()

AJ TOTAL CLAIMED DIVERSION RATE: 1.240 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.240 CFS

*** 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?

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

FIELD
DATABASE EXAMINER

Y

See Attached Field Exam attached dated 12-6-93

FLOW MEASUREMENT

MEASUREMENT METHOD , SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: NONE

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

| CLAIM NO. | SOURCE | NAME | DIV. RATE | DIV. RATE/ACRE | DIV. VOL. | DIV. VOL./ACRE |
|-----------|--------------|----------------------|-----------|----------------|-----------|----------------|
| A72-04032 | SALMON RIVER | THORNOCK , NYLE | 1.240 | 0.040 | | |
| A72-00149 | MORGAN CREEK | THORNOCK , NYLE J. | 0.800 | 0.016 | | |
| A72-00150 | MORGAN CREEK | THORNOCK , NYLE J. | 0.200 | 0.004 | | |
| A72-04031 | SALMON RIVER | THORNOCK , NYLE | 1.800 | 0.040 | | |
| | WASTEWATER | | | | | |
| A72-04033 | SALMON RIVER | THORNOCK , NYLE | 1.120 | 0.040 | | |
| A72-04034 | SALMON RIVER | THORNOCK , NYLE | 2.000 | 0.040 | | |
| A72-04133 | SALMON RIVER | HUTCHISON , RALPH W. | 12.000 | 0.054 | | |

NO RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION

D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1b. CALCULATIONS

1a. IRRIGATION RATE
ACRES 21 x 0.02 CFS/ACRE = 42 CFS
(Taken from p/u review)

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

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

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 77.5 AE/A
ACRES 21 x CONSUMPTIVE VOL. AE/A FOR AREA 2.5 =
TOTAL CONSUMPTIVE USE 52.5 AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = N/A AE/A
ACRES _____ x DIVERSION VOL. AE/A FOR AREA _____ =
TOTAL DIVERSION VOLUME _____ AE/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

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

| | | | | | | | | | |
|----------------------|---------------------|-------|---------------------------------------|-------------------------------------|--------------------------------------|------|--|--|--|
| ===== | | | | | | | | | |
| RECOMMENDATIONS: | | | | | | | | | |
| REC.
PURPOSES | REC. PERIOD
FROM | TO | REC. DIV
RATE CFS | REC. DIV
VOL. AE/A | REC. CONS.
USE | | | | |
| IRRIGATION | 04-01 | 11-01 | DATABASE EXAMINER
1.240 | DATABASE EXAMINER
--- | DATABASE EXAMINER
77.5 | 52.5 | | | |
| | | | 1.240 | | | | | | |
| TOTAL FOR THIS RIGHT | | | | | | | | | |
| REVIEWED BY: KKC | | | | | | | | | |
| DATE: 12-8-93 | | | | | | | | | |
| ===== | | | | | | | | | |

A. CHECK ONLY THE FOLLOWING THAT APPLY:

| OWNERSHIP | FORFEIT/ABANDON | AMOUNT |
|-----------------|-----------------|--------|
| ADDITIONAL DIV. | | |

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-04032

TOTAL DIVERSION RATE OF WR SPLITS

STILLS:

| OLD RIGHT
NUMBERS | CURRENT
CLAIM NUMBERS |
|----------------------|--------------------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| 21 | 21 |
| 22 | 22 |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| 26 | 26 |
| 27 | 27 |
| 28 | 28 |
| 29 | 29 |
| 30 | 30 |
| 31 | 31 |
| 32 | 32 |
| 33 | 33 |
| 34 | 34 |
| 35 | 35 |
| 36 | 36 |
| 37 | 37 |
| 38 | 38 |
| 39 | 39 |
| 40 | 40 |
| 41 | 41 |
| 42 | 42 |
| 43 | 43 |
| 44 | 44 |
| 45 | 45 |
| 46 | 46 |
| 47 | 47 |
| 48 | 48 |
| 49 | 49 |
| 50 | 50 |
| 51 | 51 |
| 52 | 52 |
| 53 | 53 |
| 54 | 54 |
| 55 | 55 |
| 56 | 56 |
| 57 | 57 |
| 58 | 58 |
| 59 | 59 |
| 60 | 60 |
| 61 | 61 |
| 62 | 62 |
| 63 | 63 |
| 64 | 64 |
| 65 | 65 |
| 66 | 66 |
| 67 | 67 |
| 68 | 68 |
| 69 | 69 |
| 70 | 70 |
| 71 | 71 |
| 72 | 72 |
| 73 | 73 |
| 74 | 74 |
| 75 | 75 |
| 76 | 76 |
| 77 | 77 |
| 78 | 78 |
| 79 | 79 |
| 80 | 80 |
| 81 | 81 |
| 82 | 82 |
| 83 | 83 |
| 84 | 84 |
| 85 | 85 |
| 86 | 86 |
| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION RATE

A72-04032

1.240

1

TOTAL CES

1.240

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)

REMARKS:

Common P/D ~~104~~, 72-04033, 0

DD8 0.0686 cfs/sec

AUTHENTICATION:

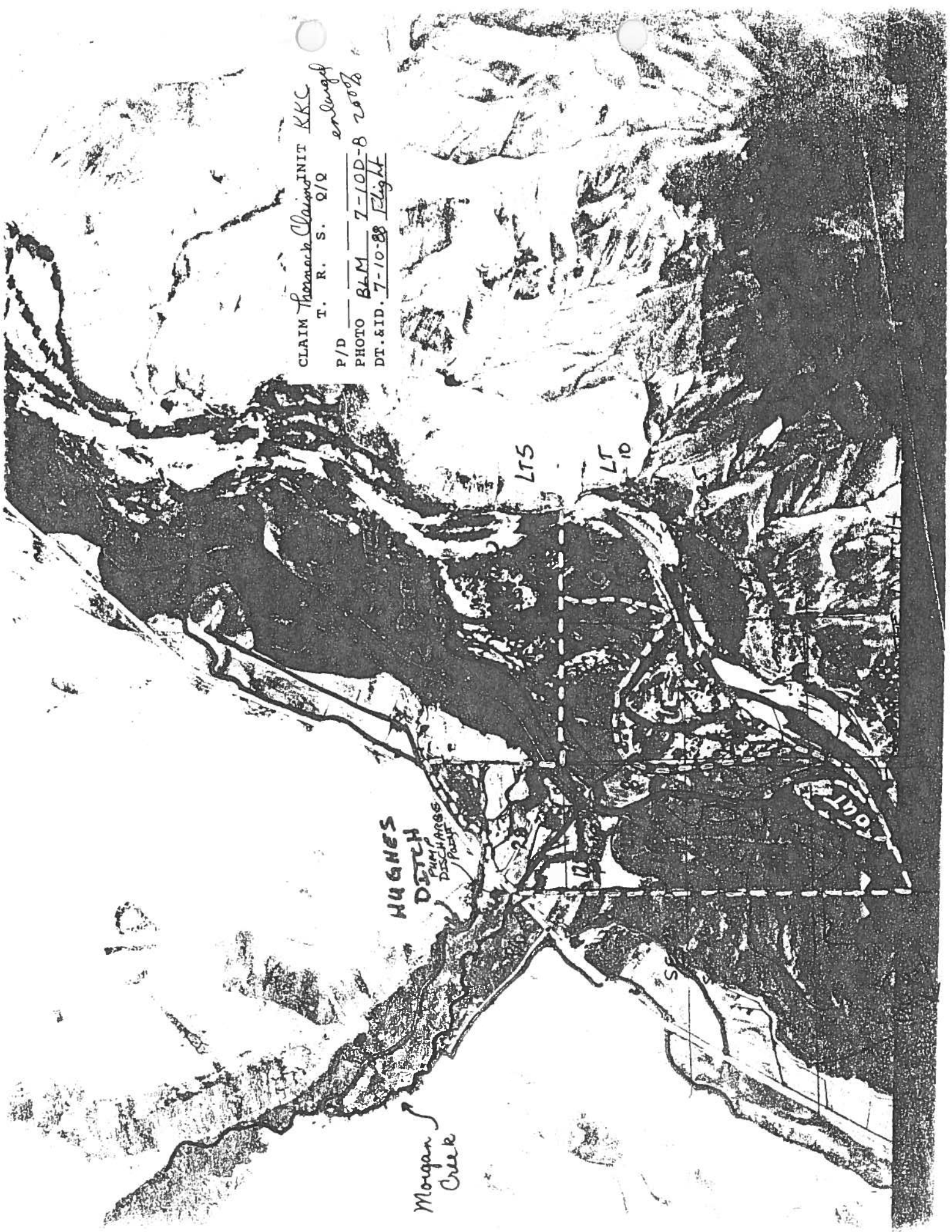
SIGNATURE: Kelly K. Motzner

DATE: 2-3-94

NAME OF FIELD EXAMINER:

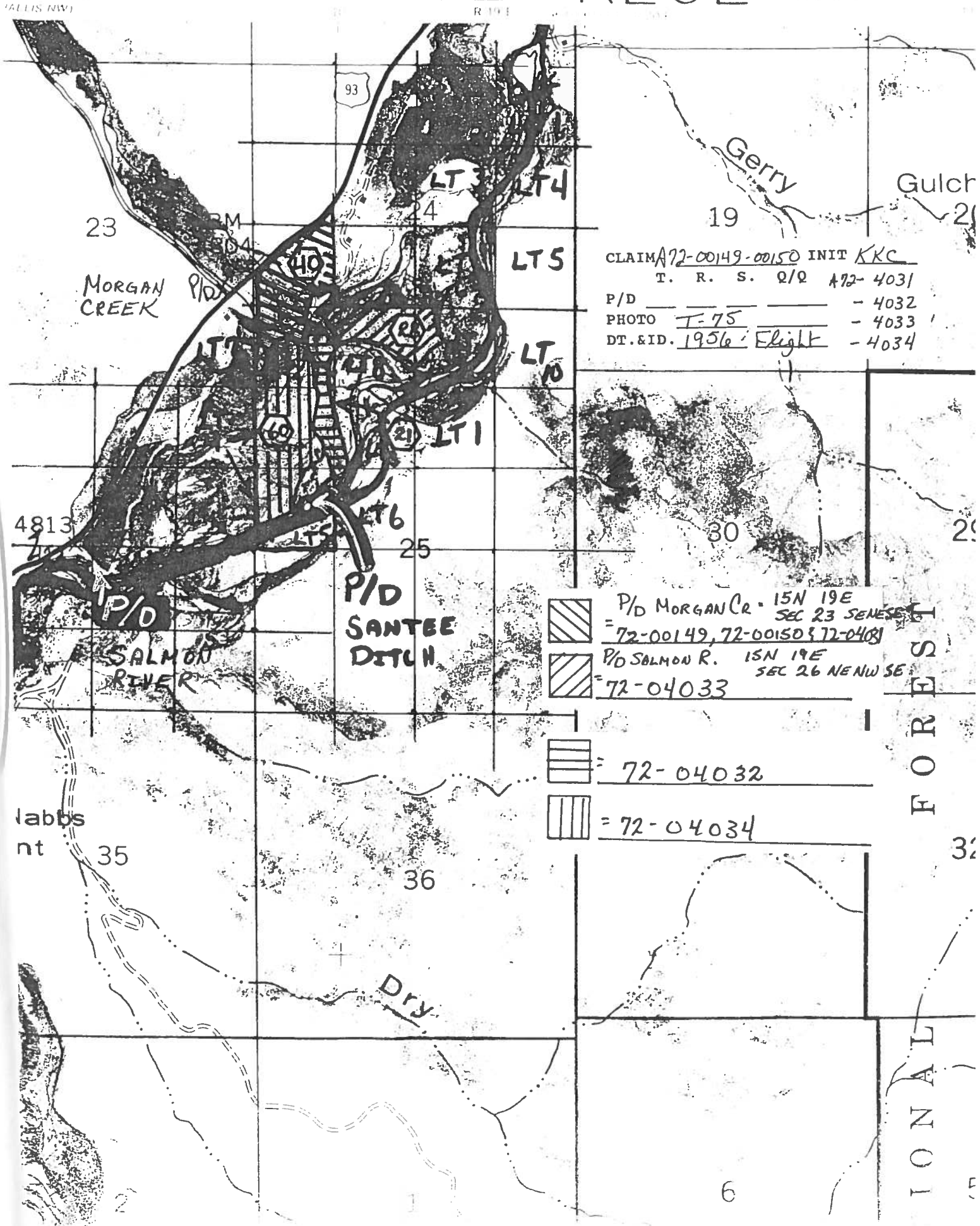
TITLE: Swales-Resource Agent

CLAIM Thomas & Claim INIT KKC
T. R. S. Q/Q enlarged
P/D
PHOTO BLM 7-10D-8 200%
DT. & ID. 7-10-88 Flight



R19E R20E

CHALLENGER QUAD
IDAHO - CUSTER CO.
7.5 MINUTE SERIES



CLAIM A72-00149-00150 INIT KKC

T. R. S. Q/R A72-4031

P/D - 4032

PHOTO T-75 - 4033

DT. & ID. 1956 Flight - 4034

P/D MORGAN Cr. 15N 19E SEC 23 SENESE
= 72-00149, 72-00150 & 72-04031

P/D SALMON R. 15N 19E SEC 26 NENW SE
= 72-04033

= 72-04032

= 72-04034

FOR S
ION AL

FIELD EXAM ATTACHMENT

original in
72-00149

PAGE: 1/4
FILES: A72-00149, 00150
04031, 04032, 04033
AGENT: 04034 KKC
DATE: 12-6-93

ATTACHMENT SUBJECT: System description

The Thornock Property is irrigated via Morgan Creek water system, Salmon River flood system, and a pumping system to lift Salmon River water and/or Morgan Cr. waste water back to the initial Morgan Creek headgate.

The Morgan Creek Ptu was determined using Property boundaries as the limits for the West, North, & East sides. The south boundary is a natural drain that eventually reaches the 'Sante' ditch. (Claims A72-00149, 00150, & 04031) A72-04032 has the Sante ditch as the West Boundary and an old Salmon River channel as the Eastern Boundary. The Northeast Boundary has no distinct physical Boundary other than an access road leading to the Sante Ditch diversion point. This road is accepted as the Boundary.

A72-04033 Lays east of the access road and north of the same 'old' river channel. The east boundary is a slew that probably was an old river channel. The north boundary is the property line between Thornock & Hughes. There is no clear division line between the properties in some areas. The Hughes property is

FIELD EXAM ATTACHMENT

original in
72-00149

PAGE: 2/4

FILES: all Thornock claims

AGENT: KKC

DATE: 12-6-93

ATTACHMENT SUBJECT: System desc. cont.

concurrently irrigated with this P/U and has only a small amount of independent delivery systems.

A72-04034. - The P/U for this claim covers the largest single acreage and lays south of the M. Cr. P/U, west of the Sante ditch (§ A72-04032) ~~and~~, east of the Dunfer property and North of the Salmon River.

Claims A72-04032, 04033, & 04034 all come from the same P/D but, based upon affidavits were developed at different times therefore they are recommended as individual claims. Each P/U has its own independent delivery system from the main ditch, allowing independent ^{concurrent} irrigation of each parcel.

FIELD EXAM ATTACHMENT

original in
72-00149

PAGE: 3/4

FILES: A72-00149, 00150

04031

AGENT: KKC

DATE: 12-6-93

ATTACHMENT SUBJECT: Morgan Creek diversions

Found 40 Acres irrigated through M. Cr system. All claims use a common delivery system. 00149 & 00150 are diverted from M. Cr. on the Savage property. The ditch enters the Thornock property & immediately can be divided through a headgate system. The discharge from the pumping system for 04031 is into this headgate system. Normally 04031 is not used if sufficient water is available from Morgan Creek. Any waste water returned to system is already covered under decrees. Wastewater not become

Morgan Creek diversion measured at - 1.82 CFS

Theoretical on pumping system

$$\frac{8.8 \times .7 \times 15 \text{ HP}}{40' + (0 \times 2.3)} = 2.31$$

2.31 CFS

Excess flow analysis (see Lotus/Boulder calc)

2.92 CFS

Decreed A72-00149 - 0.80 CFS

A72-00150 - 0.20 CFS

1.00 CFS total

Differences - measure 1.82 analysis 2.92 CFS

decree 1.00 decree 1.00 CFS

0.82 1.92 CFS

FIELD EXAM ATTACHMENT

PAGE: 4/1
FILES: A72-04032, 04033
04034
AGENT: KKC
DATE: 12-6-93

ATTACHMENT SUBJECT: Salmon River diversions

orig. mtd. A72-00149
A72-04032 original claim amended on 9-23-93
to shift acres from this claim to A72-04034 based upon
planimeter acreage determination of both parcels. The
claimed diversion rate was also increased to reflect the
soils analysis rate determination. (see attached analysis
sheets.)

Per Phyllis Rose - Del Fish & Game, the diversion
of Salmon River water was measured on 6-2-93
at 18.2 CFS. The measurement location was downstream
approx 100 to 150' from the Fish & Game fish screen #5-23
the ditch forks approx 40' from screen & two measurements
were made, one on each canal. Fish & game also made
a measurement of the ditch in 1959 & found 19.8 CFS being
diverted. only one ditch measured (which ditch unknown) on
7-7-93 - found 4.9 CFS; 9-9-93 - 4.9 CFS F & G measurements
Measurements are downstream from Dunfer Pump site for
A72-07055.

CLAIM NO. --- A72-04032
 AGENT ----- KKC
 DATE ----- 10/18/93

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

 SOIL CHARACTERISTICS

Soil Type = CB1; TOHOBIT...SILT LOAM, VERY FINE SANDY LOAM
 Source of Soils Data = Printout From SCS State Office

| soil depth
(inches) | | AWC
(in/in) | | PH | | organic
(%) | | soil depth
(inches) | AWC
(inches) | intake
family | |
|------------------------|-------|----------------|-------|-------|-------|----------------|-------|------------------------|-----------------|------------------|--------|
| lower | upper | lower | upper | lower | upper | lower | upper | (ft) | | flood | furrow |
| 0 | 9 | 0.16 | 0.2 | 7.4 | 8.4 | 1 | 2 | 1 | 2.12 | 2 | 0.55 |
| 9 | 19 | 0.14 | 0.19 | 7.4 | 8.4 | | | 1 | 2.28 | | |
| 19 | 49 | 0.01 | 0.03 | 7.4 | 8.4 | | | 3 | 3.61 | | |
| 49 | 55 | 0.03 | 0.05 | 7.4 | 8.4 | | | 4 | 3.85 | alternate | |
| 55 | 60 | 0.08 | 0.14 | 7.4 | 8.4 | | | 5 | 4.66 | method | |
| | | | | | | | | | | NA | NA |

Management Allowed Deficit (MAD)

| crop | root
depth
(ft) | stress
point (INCHES) | MAD | FIELD NOTES AND CALCULATIONS | | | | |
|--------------------------|-----------------------|--------------------------|------|--|---------|---------|---------|--|
| | | | | FIELD 1 | FIELD 2 | FIELD 3 | FIELD 4 | |
| | | | | FIELD WIDTH | 5080 | 0 | | |
| | | | | IRRIGATION DAYS | 10 | | | |
| | | | | DRY DAYS | 0 | | | |
| | | | | SET TIME(hours) | 8 | | | |
| alfalfa (hay or seed) | 5 | 0.5 | 2.33 | CALCULATED RUN (run = acres*43560/width) | | | | |
| corn (field or silage) | 4 | 0.5 | 1.92 | LENGTH (RUN) = 180 | | | | |
| grain (winter or spring) | 4 | 0.5 | 1.92 | CALCULATED BORDER WIDTH (ditch length/irr days * cha | | | | |
| pasture (or grass hay) | 3 | 0.5 | 1.80 | WIDTH = 169 | | | | |
| other (enter below) | | | | THEORETICAL ROTATION (mad/net irr req in inches per | | | | |
| | | | | SELECTED MAD = 1.88 ✓ | | | | |
| | | | | ROTATION = 8.1 DAYS | | | | |

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

| crop | acres | system | recomm.
eff. | Net Irrigation Requirement (mm/day) | | | | | | |
|---------|-------|--------|-----------------|-------------------------------------|------|------|------|------|------|------|
| | | | | mar | apr | may | jun | jul | aug | sep |
| PASTURE | 21 | FLOOD | | | 1.47 | 3.84 | 4.87 | 5.86 | 4.56 | 3.23 |
| ALFALFA | | FLOOD | 14.3 | | 1.28 | 4.51 | 5.65 | 6.25 | 4.45 | 2.52 |

| | | | | | | | | |
|--|----|------|------|------|------|------|------|------|
| Summary | 21 | 1.47 | 3.84 | 4.87 | 5.86 | 4.56 | 3.23 | 2.07 |
| Peak Net Irrigation Requirement (mm/day) = | | | | 5.86 | | | | |

 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

GRADED BORDER EVALUATION

Job name: A72-04032
By: KKC

Location: CB1 SOILS FOR 21 ACRES
Date: Oct 18, 1993

Roughness coefficient (n)= 0.250 Intake family (If)=2.00
Slope (S)= 0.0100 ft/ft Border width (W)= 169 ft
Net application (Fn)= 1.88 inches Border length (L)= 180 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 |
|-----------------------------|---|------------------------------|-----------------------------|----------------|--|-------|
| 1.40 | Gross depth is less than required gross application depth | | | | | |
| 1.41 | Gross depth is less than required gross application depth | | | | | |
| 1.42 | Gross depth is less than required gross application depth | | | | | |
| 1.43 | Gross depth is less than required gross application depth | | | | | |
| 1.44 | 0.009 | 16.36 | 14.42 | 0.06 | 11.5 | |
| 1.45 | 0.009 | 16.47 | 14.42 | 0.17 | 11.4 | |
| 1.46 | 0.009 | 16.59 | 14.42 | 0.29 | 11.3 | |
| 1.47 | 0.009 | 16.70 | 14.42 | 0.40 | 11.3 | |
| 1.48 | 0.009 | 16.81 | 14.42 | 0.52 | 11.2 | |
| 1.49 | 0.009 | 16.93 | 14.42 | 0.63 | 11.1 | |
| 1.50 | 0.009 | 17.04 | 14.42 | 0.74 | 11.0 | |

| | | | | | | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 04 NENE | 04 NNNE | 04 NENE | 03 NNWN | 03 NENW | 03 NNNE | 03 NENE | 02 NNWN | 02 NENW | 02 NNNE | 02 NENE | 01 NNWN | 01 NENW | 01 NNNE | 01 NENE |
| 04 SENW | 04 SWNE | 04 SESE | 03 SWNW | 03 SENW | 03 SWNE | 03 SESE | 02 SWNW | 02 SENW | 02 SWNE | 02 SESE | 01 SWNW | 01 SENW | 01 SWNE | 01 SESE |
| 04 NESW | 04 NWSE | 04 NESE | 03 NWSW | 03 NESW | 03 NWSE | 03 NESE | 02 NWSW | 02 NESW | 02 NWSE | 02 NESE | 01 NWSW | 01 NESW | 01 NWSE | 01 NESE |
| 04 SESW | 04 SWSE | 04 SESE | 03 SWSW | 03 SESW | 03 SWSE | 03 SESE | 02 SWSW | 02 SESW | 02 SWSE | 02 SESE | 01 SWSW | 01 SESW | 01 SWSE | 01 SESE |
| 09 NENW | 09 NNNE | 09 NENE | 10 NNWN | 10 NENW | 10 NNNE | 10 NENE | 11 NNWN | 11 NENW | 11 NNNE | 11 NENE | 12 NNWN | 12 NENW | 12 NNNE | 12 NENE |
| 09 SENW | 09 SWNE | 09 SESE | 10 SWNW | 10 SENW | 10 SWNE | 10 SESE | 11 SWNW | 11 SENW | 11 SWNE | 11 SESE | 12 SWNW | 12 SENW | 12 SWNE | 12 SESE |
| 09 NESW | 09 NWSE | 09 NESE | 10 NWSW | 10 NESW | 10 NWSE | 10 NESE | 11 NWSW | 11 NESW | 11 NWSE | 11 NESE | 12 NWSW | 12 NESW | 12 NWSE | 12 NESE |
| 09 SESW | 09 SWSE | 09 SESE | 10 SWSW | 10 SESW | 10 SWSE | 10 SESE | 11 SWSW | 11 SESW | 11 SWSE | 11 SESE | 12 SWSW | 12 SESW | 12 SWSE | 12 SESE |
| 18 ENW | 18 NNNE | 18 NENE | 15 NNWN | 15 NENW | 15 NNNE | 15 NENE | 14 NNWN | 14 NENW | 14 NNNE | 14 NENE | 13 NNWN | 13 NENW | 13 NNNE | 13 NENE |
| 18 ENW | 18 SWNE | 18 SESE | 15 SWNW | 15 SENW | 15 SWNE | 15 SESE | 14 SWNW | 14 SENW | 14 SWNE | 14 SESE | 13 SWNW | 13 SENW | 13 SWNE | 13 SESE |
| 18 ESW | 18 NWSE | 18 NESE | 15 NWSW | 15 NESW | 15 NWSE | 15 NESE | 14 NWSW | 14 NESW | 14 NWSE | 14 NESE | 13 NWSW | 13 NESW | 13 NWSE | 13 LT01 |
| 18 ESW | 18 SWSE | 18 SESE | 15 SWSW | 15 SESW | 15 SWSE | 15 SESE | 14 SWSW | 14 SESW | 14 SWSE | 14 SESE | 13 SWSW | 13 SESW | 13 SWSE | 13 LT02 |
| 21 ENW | 21 NNNE | 21 NENE | 22 NNWN | 22 NENW | 22 NNNE | 22 NENE | 23 NNWN | 23 NENW | 23 NNNE | 23 NENE | 24 NNWN | 24 NENW | 24 LT02 | 24 LT03 |
| 21 ENW | 21 SWNE | 21 SESE | 22 SWNW | 22 SENW | 22 SWNE | 22 SESE | 23 SWNW | 23 SENW | 23 SWNE | 23 SESE | 24 SWNW | 24 SENW | 24 LT03 | 24 LT04 |
| 21 ESW | 21 NWSE | 21 NESE | 22 NWSW | 22 NESW | 22 NWSE | 22 NESE | 23 NWSW | 23 NESW | 23 NWSE | 23 NESE | 24 NWSW | 24 NESW | 24 LT04 | 24 LT05 |
| 21 ESW | 21 SWSE | 21 SESE | 22 SWSW | 22 SESW | 22 SWSE | 22 SESE | 23 SWSW | 23 SESW | 23 SWSE | 23 SESE | 24 LT07 | 24 LT08 | 24 LT09 | 24 LT10 |
| 28 NW | 28 NNNE | 28 NENE | 27 NNWN | 27 NENW | 27 NNNE | 27 NENE | 28 NNWN | 28 NENW | 28 NNNE | 28 NENE | 25 LT04 | 25 LT03 | 25 LT01 | 25 NENE |
| 28 NW | 28 SWNE | 28 SESE | 27 SWNW | 27 SENW | 27 SWNE | 27 SESE | 28 SWNW | 28 LT03 | 28 LT02 | 28 LT01 | 25 LT06 | 25 SWNE | 25 SESE | 25 SESE |
| 28 SW | 28 NWSE | 28 NESE | 27 NWSW | 27 NESW | 27 NWSE | 27 NESE | 28 LT04 | 28 SWNW | 28 LT05 | 28 LT06 | 25 NWSW | 25 NESW | 25 NWSE | 25 NESE |
| 28 SW | 28 SWSE | 28 SESE | 27 SWSW | 27 SESW | 27 SWSE | 27 SESE | 28 LT06 | 28 LT07 | 28 SWSE | 28 SESE | 25 SWSW | 25 SESW | 25 SWSE | 25 SESE |
| 33 NW | 33 NNNE | 33 NENE | 34 NNWN | 34 NENW | 34 NNNE | 34 NENE | 35 LT07 | 35 NENW | 35 NNNE | 35 NENE | 36 NNWN | 36 NENW | 36 NNNE | 36 NENE |

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