

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: A72-16273
Date Received: 11/15/1989
Receipt No: 5016468
Received By: KKC

COPY FOR
YOUR FILES

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

COPY FOR
YOUR FILES

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

2. Date of Priority: MAY 2, 1935

3. Source: MORGAN CREEK Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
15N	19E	23	SE	NE	SE		CUSTER

5. Description of diverting works:
HEADGATE & DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/15	10/15	2.920		

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

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
15N	19E	24	NW	SW		IRR	32.0

MICROFILMED
NOV 12 1994

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
15N	19E	24	SW	SW		IRR	18.0
Section Acres							50.0
Total Acres							50.0

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:
72-00149 AND 72-00150

14. Remarks:
CLAIM FOR EXCESS FLOWS FOR THE ORIGINAL DECREEED GROUND USING THE
SAME SYSTEMS AND NOT IDENTIFIED IN ORIGINAL DECREE.

15. Basis of Claim: BENEFICIAL USE

MICROFILMED
NOV 02 1994

**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 A72-16273Date Received 1-7-94Receipt Number 5016468

**NOTICE OF CLAIM
TO A
WATER RIGHT**

RECEIVED**JAN 07 1994**Department of Water Resources
Southern Region Office**ACQUIRED UNDER STATE LAW**

Please type or print clearly

1. Name of Claimant (s) Nyhe J. & Shirley Ann Thornock Phone (208) 879-4472Mailing Address POB 570 Challis Ida Zip 832262. Date of Priority (Only one (1) per claim) 5-2-353. Source of water supply (a) Morgan Creek
which is tributary to (b) Salmon River4. a. Location of existing point of diversion is: Township 15N Range 19E Section 23
SE 1/4 of NE 1/4 of SE 1/4, Govt. Lot B.M., County of Cluster

Additional points of diversion if any: _____

b. If instream flow, beginning point of claimed instream flow is:

Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,

Govt. Lot _____ B.M., County of _____

ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of
_____ 1/4, Govt. Lot _____ B.M., County of _____5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well. Headgate + Ditch**MICROFILMED**
NOV 02 1994**COPY**

6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For Irrigation purposes from 4-15 to 10-15 amount 2.92 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) 2.92 (cfs) and/or (b) _____ (acre feet)

8. Total consumptive use claimed is _____ acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) _____

10. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
15	19E	24									32	18							50

Total number of acres irrigated 50

11. In which county (ies) are lands listed above as place of use located? Custer County

12. Do you own the property listed above as place of use? Yes X No _____
If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above.
72-00149 72-00150 or None ()

14. Remarks: Claim for excess claims for the original
decree ground using the same system and
not identified in original decree
MICROFILMED
NOV 02 1994

Last Name Thornock Ident No. _____

Copies: White -State, Yellow-Claimant

15. Basis of Claim (check one) Beneficial Use ☒ Posted Notice ☐ License ☐ Permit ☐
Decree ☐
If applicable provide IDWR Water Right Number _____
Court _____ Case Number _____ Decree Date _____
Plaintiff vs Defendant _____

16. Signature (s)

(a.) By signing below, I/We acknowledge that I/We have received, read, and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do ☐ do not ☐ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments _____

For Individuals: I do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant (s) Nyle J. Tharnock Date 1-6-94

Shirley Ann Tharnock Date 1-6-94

For Organizations: I do solemnly swear or affirm that I am _____

of _____, that I have signed the foregoing
Organization

document in the space below as _____ of _____
Title Organization

and that the statements contained in the foregoing document are true and correct.

Signature of Authorized Agent _____

Title and Organization _____ Date _____

State of Idaho/or _____)
County of Custer) SS.

Subscribed and sworn (or affirmed) before me this 6th day of January 19 94

SEAL

Notary Public Jo Ann Bennette

Residing at Challis, Id

My Commission Expires 8-5-94

Please Print Name

17. Notice of Appearance:

Notice is hereby given that I, _____ will be acting as attorney at law on behalf of the claimant signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.

Signature _____

Address _____

Date _____

MICROFILMED
NOV 02 1994

Last Name _____ Ident. Number _____

Copies White-State, Yellow-Claimant



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301 (208) 736-3033

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

18-Jan-1994

RE: ADJUDICATION CLAIM NO. A72-16273

NYLE J THORNOCK
SHIRLEY ANN THORNOCK
PO BOX 570
CHALLIS ID 83226

DEAR CLAIMANT(S):

PLEASE FIND ENCLOSED YOUR RECEIPT AND A COPY OF A COMPUTER GENERATED CLAIM(S) BASED ON THE INFORMATION FROM YOUR ORIGINAL CLAIM(S) WHICH HAS BEEN ENTERED IN OUR COMPUTER RECORDS.

PLEASE REVIEW THE COMPUTER GENERATED CLAIM(S) FOR ACCURACY. IN A FEW INSTANCES CLARIFICATIONS MAY HAVE BEEN ADDED BY THE DEPARTMENT AT THE TIME OF DATA ENTRY. IF YOU HAVE ANY QUESTIONS OR OBJECTIONS REGARDING YOUR CLAIM(S), PLEASE CONTACT THIS OFFICE.

SINCERELY,



JEANIE ROBERTSON
RECORDS CLERK

/jr

Enclosures:

MICROFILMED
NOV 02 1994

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

Water Right Number - R72-16273

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***
THORNOCK

NYLE J

1 - BOX 570

2 -

3 -

City- CHALLIS

State- ID Zip- 83226

Phone - 208-879-4472

1 - BOX 570

2 -

3 -

City- CHALLIS

State- ID Zip- 83226

Phone - 208-879-4472

THORNOCK

SHIRLEY ANN

+ - - Priority Date - - +
05/03/1935

+ - - Region - - - +
17 SOUTHERN

+ - - Stage - - - +
J - BENEFICIAL USE

+ - - Status - - - +

+ - - - - Source - - - - - +
MORGAN CREEK

+ - - - - Tributary - - - - - +
SALMON RIVER

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

15N 19E 23 SE NE SE (37) CUSTER

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

01 - IRRIGATION 04/01 10/31 0.820

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
0.820 0.0

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

15N 19E 24 NW SW 29.4 01 IRRIGATION (37) CUSTER
15N 19E 24 SW SW 7 14.0 01 IRRIGATION (37) CUSTER

Total Acres: 43.4

+ - - Diversion Means - HEADGATE & DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - 72-00149, 72-00150 AND 72-04031.

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

POU1 USE OF THE RIGHTS LISTED BELOW ARE LIMITED TO THE IRRIGATION
OF A COMBINED TOTAL OF 43.4 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS. 72-00149, 72-00150, 72-16273 & 72-04031.

Water right number - R72-16273

Prefix Translation: RESEARCH

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

EXP THE FOLLOWING RIGHTS ARE DIVERTED THROUGH THE POINT OF
DIVERSION DESCRIBED ABOVE. RIGHT NOS. 72-00149, 72-00150, AND
72-16273.

+ - - - - Old Water Right Numbers - - - - - +
No Old Water Right Numbers Found

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

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

Date: 01/08/1994 User Id: CHRISTEN Subject: COPIED FROM REMARKS
CLAIM FOR EXCESS FLOWS FOR THE ORIGINAL DECREED GROUND USING THE SAME SYSTEMS AND NOT IDENTIFIED IN ORIGINAL DECREE.
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.

+ - - Audit Fields - - +
12/29/99 KCHRISTE

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

Court Report Filing	- 01/29/1999	Field Inspection Made	- 08/16/1993	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	- 01/07/1994	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- X777777	Water District	- 72F
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- AND/OR	Presumption Flag	-
				Notice of Error Flag	-

Christensen, Kelly

From: Christensen, Kelly
Sent: Wednesday, December 29, 1999 10:54 AM
To: Denniston, Sara
Subject: SF5 THORNOCK 72-00149, 150, 4031, AND 16273

I created R records today (12-29-99) for the above listed claims. I changed the place of use by deleting the 0.4 acres in the SWSW and transferring them to the NWSW. I added the court dates and field exam dates back into the dates and flags fields.

Attached is a layout showing the changes made in GIS corresponding to the settled changes.

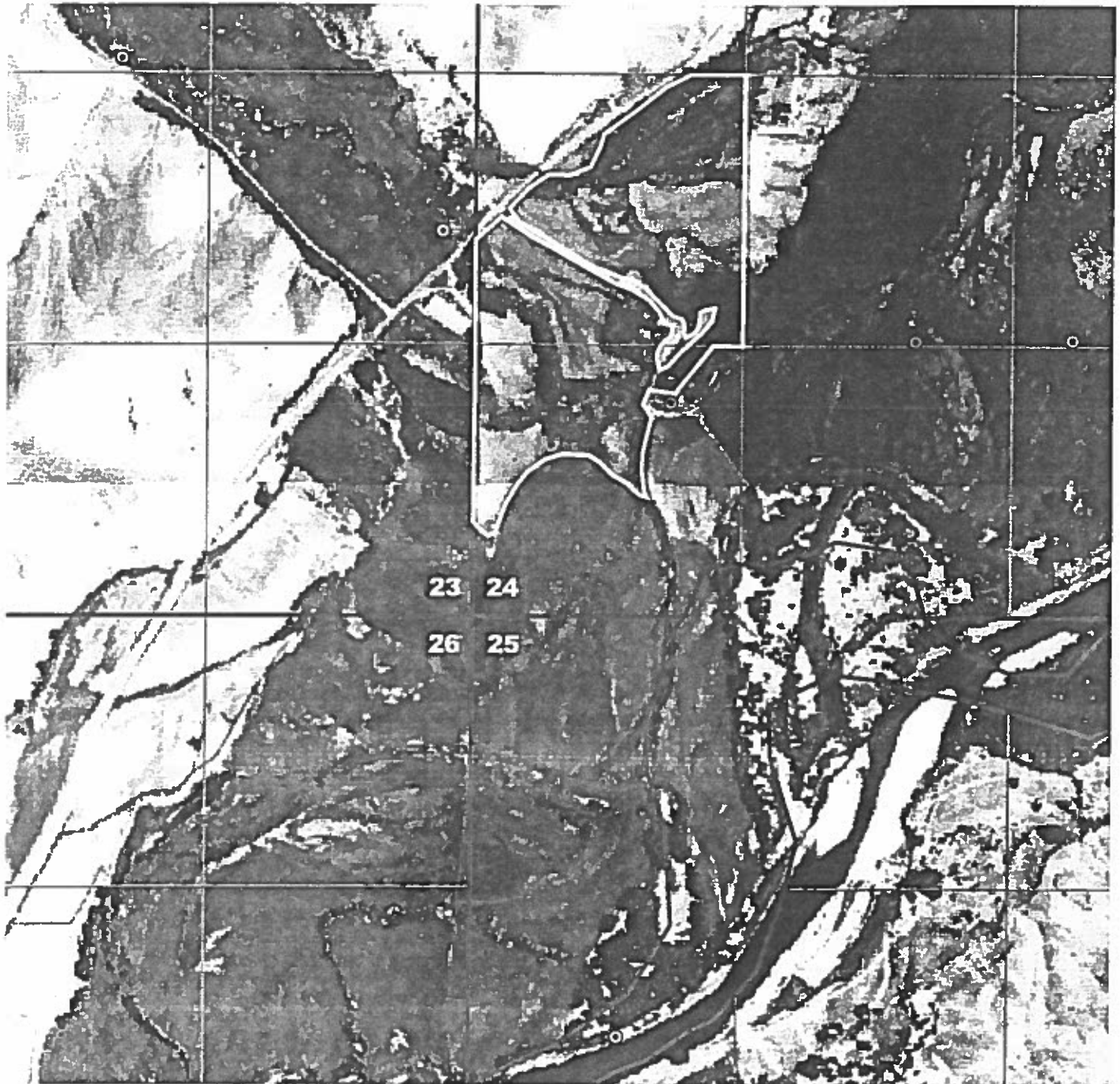


72-00149 sf5 p-u
thornock.jpg

I believe that this is all that is required for this set. Let me know if I missed something.

Kelly K Christensen

**RECOMMENDED PLACE OF USE
BASED UPON SETTLEMENT CONFERENCE
HELD 11-30-99**



**RECOMMENDED PLACE OF USE
TWP 15N, RNG 19E, SEC 24
Data Entry on December 29, 1999**



⊙ **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 72-00149 } Morgan Cr DATE 12-29-99
72-04031 } Source AGENT KKC
Salmon } 72-16273
Source

TRANSFER NUMBER _____
 CLAIMED ACRE TOTAL 50
 GIS ACRE TOTAL 43.4

	TWP	RNG	SEC	NE				NW				SW				SE			
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
CLAIM	<u>15N</u>	<u>19E</u>	<u>24</u>							<u>-0-</u>			<u>32</u>	<u>18</u>					
GIS										<u>-0-</u>			<u>29.2</u>	<u>13.9</u>					
RECOM										<u>-0-</u>			<u>29.4</u>	<u>14</u>					<u>43.4</u>
CLAIM																			
GIS																			
RECOM																			
CLAIM																			
GIS																			
RECOM																			
CLAIM																			
GIS																			
RECOM																			

B72-DBPOU.SHP

SHAPE NOS.

136

A settlement was reached on 11-30-99 dropping
0.4 Acres Recommended in SWNW of Sec 24 and
finding an additional 0.4 acres within the NWSW
of Sec 24.

No Change to P.D.s.

B72-DBPOD.SHP

NOS. DESCRIPTION

51 Sec 23

SENESE

Morgan Cr Source

46 Sec 25

SESWNW

Salmon River Source

DBF TABLES UPDATED

B72-DBPOU.DBF

B72-DBPOD.DBF

Layout Created - 72-00149 SFS P-U thornock
12-29-99

RECEIVED

DEC 6 1999

Department of Water Resources

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

NOV 30 1999

BY _____
CLERK

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

In Re SRBA

Subcase No. 72-16273

Case No. 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 the facts, date, expert opinions and law supporting the issuance of a partial decree for the water right.

The parties agree that the Snake River 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.

CLAIMANT:

Nyle J. Thornock
Shirley Ann Thornock

OBJECTOR:

United States on behalf of the
Bureau of Land Management

Nyle J. Thornock
Nyle J. Thornock

11-30-99
Date

Larry A. Brown 11/30/99
Larry A. Brown *FUP* Date
Attorney, U.S. Department of Justice
Environment and Natural Resources Div.

Shirley Ann Thornock
Shirley Ann Thornock

11-30-99
Date

IDWR CONCURRENCE:

Shirley Ann Thornock

11/30/99
Date

IDWR CONCURRENCE:

APPROVED AS TO FORM

Deputy Attorney General 11-30-99
Deputy Attorney General Date

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

RIGHTS FROM:

SOURCE:

MORGAN CREEK

TRIBUTARY: SALMON RIVER

RIGHT NUMBER:

72-16273

NAME & ADDRESS:

NYLE J THORNOCK
SHIRLEY ANN THORNOCK
BOX 570
CHALLIS ID 83226

SOURCE:

MORGAN CREEK

QUANTITY:

0.82 CFS

TRIBUTARY: SALMON RIVER

PRIORITY DATE:

05/03/1935

FWP

POINT OF
DIVERSION:

T15N R19E S23

SENESE

Within CUSTER County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE
IRRIGATION

PERIOD OF USE
04-01 10-31

QUANTITY
0.82 CFS

PLACE OF USE:

IRRIGATION

T15N R19E S24

SNNW 8.4
Lot 7 (SWSW) 14

Within CUSTER County
NWSW 29 29.4

43.4 ACRES TOTAL

USE OF THE RIGHTS LISTED BELOW ARE LIMITED TO THE
IRRIGATION OF A COMBINED TOTAL OF 43.4 ACRES IN A SINGLE
IRRIGATION SEASON.
COMBINED RIGHT NOS. 72-00149, 72-00150, 72-16273 & 72-04031.

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 - BENEFICIAL USE

Standard Form 5

Subcase No. 72-16273

THE FOLLOWING RIGHTS ARE DIVERTED THROUGH THE POINT OF
DIVERSION DESCRIBED ABOVE. RIGHT NOS. 72-00149, 72-00150, AND
72-16273.

NBS
MGI

See
p. 10.2

Fwp

Quz

CERTIFICATE OF MAILING

I certify that on 11-30, 1999, I mailed the original and copies of this form, including all attachments, 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. Copy to:

Idaho Department of Water Resources
Adjudication Bureau
1301 North Orchard Street
Boise, Idaho 83706

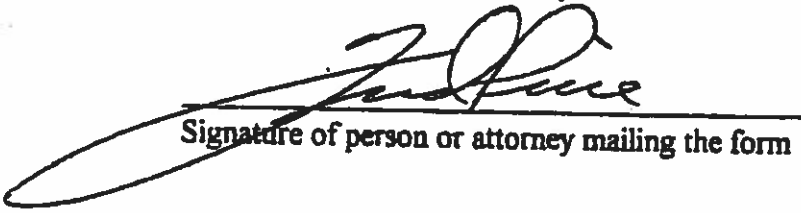
IDWR Document Depository
P. O. Box 83720
Boise, Idaho 83720-0098

3. Copies to all parties to the subcase (insert names and addresses):

U.S., Department of Justice
Environment and Natural Resources Division
General Litigation Section
550 West Fort Street, MSC 033
Boise, Idaho 83724

Nyle J. and Shirley Ann Thornock
P. O. Box 570
Challis, Idaho 83226

Patrick D. Brown, PC
109 S. Adams St.
Jerome, Idaho 83338



Signature of person or attorney mailing the form

KC

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 72-16273

(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: Nyle & Shirley Thornock

Address: BOX 570 Challis, ID 83226

Name:

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)

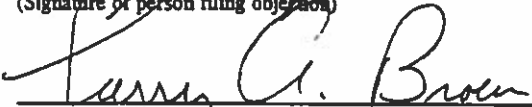
) ss.

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: Nyle & Shirley Thornock
Address: BOX 570 Challis, ID 83226
Name:
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-373-----
RIGHTS FROM: SOURCE: MORGAN CREEK TRIBUTARY: SALMON RIVER

RIGHT NUMBER: 72-16273

NAME & ADDRESS: NYLE J THORNOCK
SHIRLEY ANN THORNOCK
BOX 570
CHALLIS ID 83226*- POL DIV BLM; USE NOT AUTHORIZED*

SOURCE: MORGAN CREEK TRIBUTARY: SALMON RIVER

QUANTITY: 0.82 CFS

PRIORITY DATE: 05/03/1935

POINT OF DIVERSION: T15N R19E S23 SENESE ✓ Within CUSTER County

PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
IRRIGATION		04-01 10-31	0.82 CFS

PLACE OF USE:	IRRIGATION	Within CUSTER County	
	T15N R19E S24	SWNW 0.4 BLM	NWSW 29 ✓ Lot 7 (SWSW) 14 ✓
	43.4 ACRES TOTAL		

USE OF THE RIGHTS LISTED BELOW ARE LIMITED TO THE IRRIGATION
OF A COMBINED TOTAL OF 43.4 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS. 72-00149, 72-00150, 72-16273 & 72-04031.

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 - BENEFICIAL USE

AJ5856NP

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

DATE: JAN-26-1999
PAGE: A-574

RIGHTS FROM: SOURCE: MORGAN CREEK TRIBUTARY: SALMON RIVER

RIGHT NUMBER: 72-16273 (CONT)

EXPLANATORY MATERIAL: (CONT)

THE FOLLOWING RIGHTS ARE DIVERTED THROUGH THE POINT OF
DIVERSION DESCRIBED ABOVE. RIGHT NOS. 72-00149, 72-00150, AND
72-16273.

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: 72-16273

NYLE J THORNOCK
SHIRLEY ANN THORNOCK
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

November 20, 1998

**NOTICE OF ERROR
REPLY**

RECEIVED
DEC 21 1998
Department of Water Resources
Southern Region

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: 72-16276

G LYNN BACKUS
SHARON L BACKUS
1666 SPRING VISTA CT
SPARKS NV 89436

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: 12-14-98 SIGNATURE: Sharon L Backus
Please print your name: SHARON L. BACKUS

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: 72-16278

TINA W BRUGGENKAMP
JOHN H BRUGGENKAMP
HC 82 BOX 4023
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:

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

DATE: 12-9-98

SIGNATURE:

Tina W. Shobe

Please print your name:

Water Right Number - R72-16273

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***
THORNOCK

NYLE J

1 - BOX 570

2 -

3 -

City- CHALLIS

Phone - 208-879-4472

VERIFIED BY. KKC
11-3-98

State- ID Zip- 83226

THORNOCK

SHIRLEY ANN

1 - BOX 570

2 -

3 -

City- CHALLIS

Phone - 208-879-4472

State- ID Zip- 83226

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - +
05/03/1935 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
MORGAN CREEK SALMON RIVER

+ - - - - Point of Diversion - - - - - +
TwN Rng Sec Tract Lot RFlg County Diversion Name
15N 19E 23 SE NE SE (37) CUSTER

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
01 - IRRIGATION 04/15 10/15 0.820

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
0.820 0.0

+ - - - - Place of Use - - - - - +
TwN Rng Sec Tract Lot Acres Code Description County
15N 19E 24 SW NW 0.4 01 IRRIGATION (37) CUSTER
15N 19E 24 NW SW 29.0 01 IRRIGATION (37) CUSTER
15N 19E 24 SW SW 7 14.0 01 IRRIGATION (37) CUSTER

Total Acres: 43.4

+ - - Diversion Means - HEADGATE & DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - 72-00149, 72-00150 AND 72-04031.

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

POU1 USE OF THE RIGHTS LISTED BELOW ARE LIMITED TO THE IRRIGATION
OF A COMBINED TOTAL OF 43.4 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS. 72-00149, 72-00150, 72-16273 & 72-04031.

Water right number - R72-16273

Prefix Translation: RESEARCH

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

EXP THE FOLLOWING RIGHTS ARE DIVERTED THROUGH THE POINT OF
DIVERSION DESCRIBED ABOVE. RIGHT NOS. 72-00149, 72-00150, AND
72-16273.

+ - - - - 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 - 01/07/94 CHRISTEN 01/10/94 CHRISTEN 02/03/94 CHRISTEN 03/30/95 POST-STD 10/07/98 KCHRISTE

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

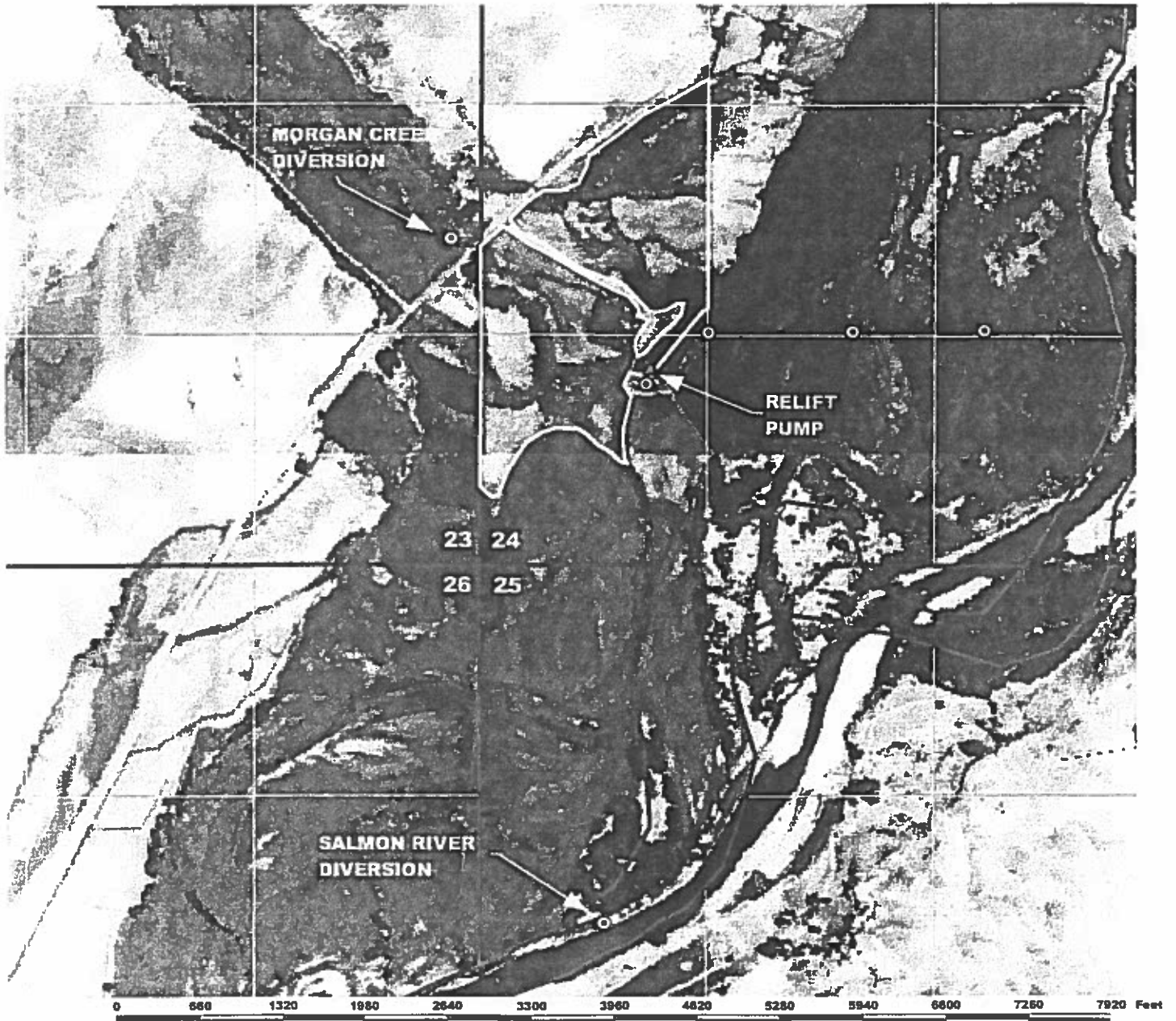
Date: 01/08/1994 User Id: CHRISTEN Subject: COPIED FROM REMARKS

CLAIM FOR EXCESS FLOWS FOR THE ORIGINAL DECREED GROUND USING THE SAME SYSTEMS AND NOT IDENTIFIED IN ORIGINAL DECREE.

+ - - - - 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	- 01/07/1994	Last Amended Date	- 00/00/0000	Temporary Right	- P
Proof Due Date	- 00/00/0000	Proof Made Date	- 00/00/0000	Water District	- 72F
Licensed Date	- 00/00/0000	Receipt Number	- S016468	Federal/State Indicator	- S
		POU Ownership Flag	- Y	Presumption Flag	-
		Name Connector	- AND/OR	Notice of Error Flag	-

**72-00149, 72-00150, & 72-16273
MORGAN CREEK RIGHTS
72-04031 SALMON RIVER RIGHT
THORNOCK**



**RECOMMENDED PLACE OF USE
TWP 15N. RNG 19E, SEC 24
data entry on August 6, 1998**



- △ REDIVERSION POINT
- 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

72-04031 Salmon ^{1/2} Right

DATE

10-6-98

TRANSFER NUMBER

AGENT

KKC

CLAIMED ACRE TOTAL

50

GIS ACRE TOTAL

43.4

2-00149 72-00150 72-16273

Morgan Cr Right

				NE				NW				SW				SE				
	TWP	RNG	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
CLAIM	15N	19E	24							-0-			32	18						50
GIS										.4			28.9	13.9						
ECOM										.4			29	14						43.4
CLAIM																				
GIS																				
ECOM																				
CLAIM																				
GIS																				
ECOM																				
CLAIM																				
GIS																				
ECOM																				

72-DBPOU.SHP

HAPE NOS.

36

Salmon River water is pumped from the Santee ditch to the point where the Morgan Creek water first enters the property. Therefore it irrigates all of the same P/2.

72-DBPOD.SHP

OS. DESCRIPTION

11 Sec 23 Morgan Cr Division
SENESE

16 Sec 25 Salmon River Division
SE SWNW

BF TABLES UPDATED

72-DBPOU.DBF



72-DBPOD.DBF



72-00149 72-00150 72-16273 (Morgan Cr.) (10-7-98)

72-04031 Salmon River.

Division Rate Analysis

Claimed rates

72-00149 - .8 CFS

- 00150 .2 CFS

- 16273 2.92 CFS

total 3.92 CFS

Claimed rates

72-04031 1.80 CFS

Hubble Analysis Req.

3.94 CFS

System Capacity

Morgan Cr. 1.82 CFS

Salmon River Pump - 2.31 CFS

Rate recommendations Morgan Cr.

72-00149 - .8 CFS

00150 - .2 CFS

16273 .82 CFS

1.82 CFS = system capacity (no comb. right limit needed)

System capacity - 1.82

recom - 1.00 { 00149
00150

diff .82 CFS

Salmon River.

72-04031 - 1.80 CFS (limit to claimed rate)

When systems are combined: Morgan Cr. - 1.82

Salmon R. - 1.80

3.62 CFS total

total combined rates are less than excess flow analysis
no comb. rate limit required.

Kelly K. Christensen

REEVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS 72-00149 72-00150
72-16273 72-04031

DATE: 10-7, 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
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
BT2	2.87	10	27.5	.32	2.53 CFS
BK1	11.86	10	3.1	.06	.19 CFS
CB1	13.47	10	1.1	.06	.07 CFS
CP1	2.78	10	6.9	.36	.69 CFS
RP1	4.57	10	4.8	.21	.46
TOTAL ACRES					
72-00149 -					
00150 -					
16273 claimed at 1.000					
2.92					
2.92 CFS total claimed					
DECREED RATE =					
CLAIMED DIVERSION RATE =					3.92
MEASURED DIVERSION RATE =					

3.94

R PROOF

CVR

MAPS

PHOTOS

MISC

—

—

—

—

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

Water Right Number - R72-16273

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***
THORNOCK

NYLE J

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

State- ID Zip- 83226

VERIFIED BY KKC

THORNOCK

SHIRLEY ANN

State- ID Zip- 83226

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
05/03/1935 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
MORGAN CREEK SALMON RIVER

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

15N 19E 23 SE NE SE (37) CUSTER

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

01 - IRRIGATION 04/15 10/15 0.820

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
0.820 0.0

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

15N 19E 24 NW SW 28.0 01 IRRIGATION (37) CUSTER
15N 19E 24 SW SW 7 12.0 01 IRRIGATION (37) CUSTER

Total Acres: 40.0

+ - - Diversion Means - HEADGATE & DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - 72-00149, 72-00150 AND 72-04031.

+ - - - - Remarks - - - - - +
RIGHT NOS. 72-001149 & 72-00150 ARE ALSO DIVERTED THROUGH THE
POINT OF DIVERSION DESCRIBED ABOVE.
USE OF THIS RIGHT WITH 72-00149 & 72-00150 IS LIMITED TO A

MICROFILMED
NOV 02 1994

Water right number - R72-16273

Prefix Translation: RESEARCH

+ - - - - Remarks - - - - - +
TOTAL COMBINED DIVERSION RATE OF 1.82 CFS. WHEN THIS RIGHT IS
COMBINED WITH 72-00149, 72-00150 AND 72-04031 THEY ARE LIMITED TO
A TOTAL COMBINED DIVERSION RATE OF 3.08. ALL RIGHTS ARE LIMITED
TO AN ANNUAL CONSUMPTIVE USE VOLUME OF 100 AF, AND TO THE
IRRIGATION OF A COMBINED TOTAL OF 40 ACRES IN A SINGLE IRRIGATION
SEASON.

+ - - - - 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

+ - - - - Comments - - - - - +
Date: 01/08/1994 User Id: CHRISTEN Subject: COPIED FROM REMARKS
CLAIM FOR EXCESS FLOWS FOR THE ORIGINAL DECREED GROUND USING THE SAME SYSTEMS AND NOT IDENTIFIED IN ORIGINAL DECREE.

+ - - Audit Fields - - +
02/03/94 CHRISTEN

+ - - - - 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	- 01/10/1994	Old Judicial District	-
Claim Received Date	- 01/07/1994	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- S016468	Water District	- 72F
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- AND/OR	Presumption Flag	-
				Notice of Error Flag	-

MICROFILMED
NOV 02 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:58:10
01/11/94

PAGE: 13
QUICKLOOK INFORMATION

13
CLAIM NUMBER: A72-16273

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	Y		8-16-94 KKC	Y	1,2,5,6	2-3-94 KKC		
POINT OF DIV	Y		"	N	"	"		
SOURCE	Y		"	N	"	"		
PLACE OF USE	Y		"	Y	"	"		
DIV. AMOUNT CFS/VOLUME	Y		"	Y	"	"		
CONSUMPTIVE USE	-		"	Y	"	"		
PURPOSES	Y		"	N	"	"		
PERIOD OF USE	Y		"	N	"	"		
BASIS OF CLAIM	Y		"	N	"	"		
REMARKS	Y		"	Y	"	"		

"VERIFIED BY" CODES

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

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
NOV 02 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:58:10
01/11/94

PAGE: 1
GENERAL INFORMATION

1
CLAIM NUMBER: A72-16273

LAST: THORNOCK
ADDRESS: BOX 570
CITY: CHALLIS
PHONE NUMBER: 208-879-4472

FIRST: NYLE J
STATE: ID ZIP: 83226

OWNER CODE: C

LAST: THORNOCK
ADDRESS: BOX 570
CITY: CHALLIS
PHONE NUMBER: 208-879-4472

FIRST: SHIRLEY ANN
STATE: ID ZIP: 83226

OWNER CODE: C

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

FIELD
EXAMINER

CLAIM REMARKS: CLAIM FOR EXCESS FLOWS FOR THE ORIGINAL DECREED GROUND USING THE
SAME SYSTEMS AND NOT IDENTIFIED IN ORIGINAL DECREE.

MICROFILMED
NOV 02 1994

CONTACT PERSON: Delbert Hughes

PHONE NUMBER: () -

DATE OF FIELD EXAM: 8/16/93

APPOINTMENT MADE: Y() N()

TIME: : A() P()

ACCOMPANIED BY: 9-1-93

no one in field

PHONE NUMBER: () -

RELATIONSHIP TO CLAIMANT: LEASE HOLDER

DIRECTIONS TO PROPERTY / NOTES:

MICROFILMED
NOV 02 1994

A. AJ CLAIM: # A72-16273 PRIORITY DATE: 05-02-1935 STAGE: J
B. WR RECORD: NO WATER RIGHT RECORD TO MATCH THIS AJ CLAIM

C. FIELD EXAM REQUIRED?
DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE Y FIELD EXAMINER

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N()
IF YES EXPLAIN.

NOTES: Claimed priority date is the decree date. Beneficial use claims for Excessflows on the original decreed P/U are recognized one day after the decree date therefore I recommend.

See the Additional Attachment.

5-3-1935

=====

RECOMMENDED PRIORITY DATE:

5-3-1935

REVIEWED BY

KKC

DATE

2-3-94

=====

MICROFILMED
NOV 02 1994

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-16273	15N	19E	23	SE	NE	SE		CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A72-00149 R72-00149
A72-00150 R72-00150

WR RECORDS IN SAME 40 ACRE TRACT

72-00149
72-00150
72-04191

SOURCE: MORGAN CREEK *OK*

TRIB: SALMON RIVER *OK*

B. WR POINT OF DIVERSION AND SOURCE:

THERE IS NO WATER RIGHT RECORD WITH THE SAME CLAIM NUMBER

SOURCE: NO SOURCE FOR RECORD

TRIB: NO TRIBUTARY FOR RECORD

C. FIELD EXAM REQUIRED?

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

NOTES:

claimed diversion point matches found P/O accept as claimed

MICROFILMED
NOV 02 1994

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	COUNTY	DIVERSION NAME
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

SOURCE: P/O & Source OK as claimed, No change
TRIB: _____

REVIEWED BY: KKC DATE: 2-3-94

SYSTEM DESCRIPTION:

MICROFILMED
NOV 02 1994

A. ROOT WATER RIGHT NUMBERS: A72-16273
R72-16273

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
15N	19E	24	NW	SW		THORNOCK, NYLE J	A72-16273 /32.0	- /	37.0		
			NW	SW		SAVAGE, LESTER JOHN	R72-00161 / 1.0	- /			
			NW	SW		SAVAGE, LESTER JOHN	R72-00162 / 1.0	- /			
			NW	SW		SAVAGE, LESTER JOHN	R72-10163 / 1.0	- /			
			NW	SW		THORNOCK, NYLE J.	A72-00149 /32.0	72-00149 /			
			NW	SW		THORNOCK, NYLE J.	A72-00150 /32.0	72-00150 /			
			NW	SW		THORNOCK, NYLE	A72-04031 /30.0	72-04031 /30.0			
			NW	SW		THORNOCK, NYLE J.	A72-10065 /	- /			
			NW	SW		SAVAGE, LESTER JOHN	A72-00161 / 2.0	- /			
			NW	SW		SAVAGE, LESTER JOHN	A72-00162 / 2.0	- /			
			NW	SW		SAVAGE, LESTER JOHN	A72-10163 / 2.0	- /			
			NW	SW		US DEPT OF INTERIOR	A72-15775 /	- /			
			NW	SW		THORNOCK, NYLE J	R72-10065 /	- /			
			NW	SW		THORNOCK, NYLE J.	R72-00150 /28.0	- /			
			NW	SW		THORNOCK, SHIRLEY ANN	R72-04031 /28.0	- /			
			NW	SW		THORNOCK, NYLE J	R72-16273 /28.0	- /			
			NW	SW		THORNOCK, NYLE J.	R72-00149 /28.0	- /			
			NW	SW		THORNOCK, NYLE J.		72-04191 /32.0			
15N	19E	24	SW	SW		THORNOCK, NYLE J	A72-16273 /18.0	- /			
			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			
			SW	SW	7	THORNOCK, SHIRLEY ANN	A72-04032 / 5.0	72-04032 /10.0			
			SW	SW	7	THORNOCK, SHIRLEY ANN	R72-04032 / 8.0	- /			
			SW	SW	7	THORNOCK, NYLE	R72-04033 / 1.5	- /			
			SW	SW	7	THORNOCK, NYLE J.	R72-00150 /12.0	- /			
			SW	SW	7	THORNOCK, SHIRLEY ANN	R72-04031 /12.0	- /			
			SW	SW	7	THORNOCK, NYLE J	R72-16273 /12.0	- /			
			SW	SW	7	THORNOCK, NYLE J.	R72-00149 /12.0	- /			
			SW	SW	9	THORNOCK, SHIRLEY ANN	A72-04034 /15.0	72-04034 /12.0			
			SW	SW	9	THORNOCK, NYLE	R72-04034 /16.0	- /			
			SW	SW		THORNOCK, NYLE J.		72-04191 /18.0			
TOTAL ACRES							A72-16273	50.00	37.00		

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y() ☒ N()
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER

POU COUNTY: CUSTER

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NOV 02 1994

PRESUMPTION FLAG:

NOTES:

P/1u found to be 40 Acres see other claims for analysis
this P/1u is considered to be the original decreed P/1u and therefore expires
since the decree is valid up to either the legal limit or amount decreed.

RECOMMENDATIONS:

TOTAL ACRES: 40

REVIEWED BY: KKC

DATE: 2-3-94

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A. AJ CLAIMED USES:

PURPOSES
A72-16273 IRRIGATION

MONTH/DAY
FROM 04-15 TO 10-15

DIVERSION QUANTITY
2.920 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

2.920 CFS

B. WR RECORDED USES:

PURPOSES

MONTH/DAY

DIVERSION QUANTITY

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 FIELD EXAMINER
Y
Y
Y

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

Y(☒) N(☐)

RECOMMEND TO WR STANDARDS OR OTHER?

Y(☐) N(☐) Explain in notes, below.

NOTES:

I measured 1.82 CFS
analysis confirms need for 3.08 CFS
decreed rate (total) 1.00 CFS
Balance in excess of
measured rate 0.82 CFS

combine into
one E12 remark
modified

The amount being diverted is considered the limiting factor as it is less than the legal limit calculated via the excess flow analysis. therefore I recognize this claim for 0.82 CFS and a system limit of 1.82 CFS in Remark E12 for the Morgan Creek Water.

When the Morgan Creek water is combined with the Salmon Pumping system the comb. right is limited to the legal limit of 3.08 CFS (excess flow rate) in a second E12 remark.

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A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y() N(☒)

AJ TOTAL CLAIMED DIVERSION RATE: 2.920 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 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 notes. **

FLOW MEASUREMENT REQUIRED?

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

FIELD
DATABASE EXAMINER
Y ☒

see Additional analysis sheets

B.

FLOW MEASUREMENT

MEASUREMENT METHOD 1.82, SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: 72-00149 AND 72-00150

Attached.

LIST ALL RIGHTS WITH A SAME POI AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A72-16273	MORGAN CREEK	THORNOCK, NYLE J	2.920	0.058		
R72-00149	MORGAN CREEK	THORNOCK, NYLE J.	0.800	0.020		
A72-00149	MORGAN CREEK	THORNOCK, NYLE J.	0.800	0.016		
R72-00150	MORGAN CREEK	THORNOCK, NYLE J.	0.200	0.005		
A72-00150	MORGAN CREEK	THORNOCK, NYLE J.	0.200	0.004		
R72-00161	MORGAN CREEK	SAVAGE, LESTER JOHN	0.960	0.020		
A72-00161	MORGAN CREEK	SAVAGE, LESTER JOHN	0.960	0.015		
A72-00162	MORGAN CREEK	SAVAGE, LESTER JOHN	0.240	0.003		
R72-00162	MORGAN CREEK	SAVAGE, LESTER JOHN	0.240	0.005		
R72-04031	SALMON RIVER	THORNOCK, SHIRLEY ANN	1.800	0.045		
A72-04031	SALMON RIVER	THORNOCK, NYLE	1.800	0.040		
	WASTEWATER					
R72-04032	SALMON RIVER	THORNOCK, SHIRLEY ANN	1.440	0.068		
A72-04032	SALMON RIVER	THORNOCK, SHIRLEY ANN	1.440	0.068		
R72-04033	SALMON RIVER	THORNOCK, NYLE	1.900	0.067		
A72-04033	SALMON RIVER	THORNOCK, NYLE	1.900	0.067		
R72-04034	SALMON RIVER	THORNOCK, NYLE	5.640	0.094		
A72-04034	SALMON RIVER	THORNOCK, SHIRLEY ANN	5.640	0.094		

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CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
R72-10163	MORGAN CREEK	SAVAGE, LESTER JOHN	1.310	0.027		
A72-10163	MORGAN CREEK	SAVAGE, LESTER JOHN	2.000	0.031		
R72-16273	MORGAN CREEK	THORNOCK, NYLE J	0.820	0.020		

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A72-10065	DOMESTIC	THORNOCK, NYLE J.	FROM 01-01 TO 12-31	.040 CFS	
A72-15775	STOCKWATER	US DEPT OF INTERIOR	FROM 01-01 TO 12-31	.010 CFS	
A72-15775	WILDLIFE	US DEPT OF INTERIOR	FROM 01-01 TO 12-31	.010 CFS	
R72-10065	DOMESTIC	THORNOCK, NYLE J	FROM 01-01 TO 12-31	.040 CFS	

D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES _____ x 0.02 CFS/ACRE = _____ CFS
(Taken from p/u review)

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

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

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = _____ AF/A
ACRES _____ x CONSUMPTIVE VOL. AF/A FOR AREA _____ =
TOTAL CONSUMPTIVE USE _____ AF/A

3. IRRIGATION DIVERSION VOLUME

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

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

1b. CALCULATIONS

*combined right
system
See Attached narrative,*

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

RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
		DATABASE EXAMINER	DATABASE EXAMINER	DATABASE EXAMINER
<u>irr</u>	<u>4-15 10-15</u>	<u>.82</u>	<u>—</u>	<u>—</u>
TOTAL FOR THIS RIGHT		<u>.82</u>	<u>—</u>	<u>—</u>
REVIEWED BY: <u>KKC</u>	DATE: <u>2-3-94</u>			

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A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-16273

TOTAL DIVERSION RATE OF WR SPLITS

SPLITS:

DATABASE

EXAMINER

CFS

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

-

A72-16273

2.920

R72-16273

0.820

-

TOTAL CFS

2.920

0.820

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
N

FIELD
EXAMINER

NOTES:

AUTHENTICATION:

SIGNATURE:

Kelly K. Christensen

DATE:

2-3-94

NAME OF FIELD EXAMINER:

TITLE:

Si Water Resource Agent

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POOR ORIGINAL

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

Morgan
Creek

HUGHES
DITCH

PUMP
DISCHARGES
Pond

LT5

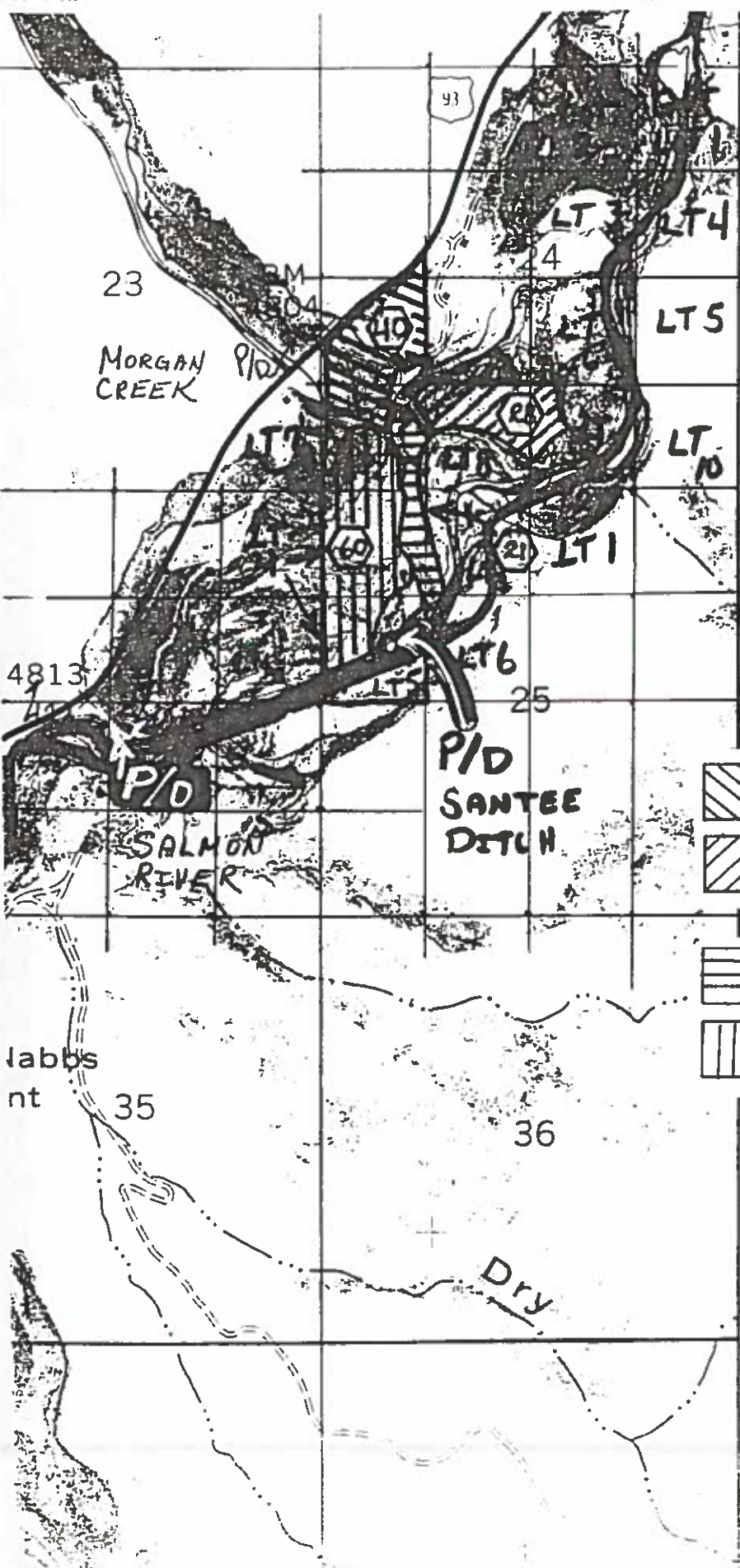
LT
10

UNRECORDED
NOT A PART

South

R19E R20E

POOR ORIGINAL



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 F S
 32
 10N 11E

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FIELD EXAM ATTACHMENT

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 P/U 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 slaw 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

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NOV 12 1994

FIELD EXAM ATTACHMENT

original in
72-001-19

PAGE: 2 / 1

FILES: all through claim

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.

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FIELD EXAM ATTACHMENT

PAGE: 34

FILES: A72-00149, 00150

04031

AGENT: KKC

DATE: 12-6-93

original
72-00149

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 wastewater returned to system is already covered under decrees. Wastewater not recommended.

Morgan Creek diversion measured at - 1.82 CFS
Theoretical on pumping system

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

Efflux flow analysis (see Lotus/Boulder calc.) 2.92 CFS

Decreed A72-00149 - 0.80 CFS 3.08 KKC
1-7-94

A72-00150 - 0.20 CFS

1.00 CFS total

Differences - measure 1.82 analysis 3.08
2.92 CFS

decree 1.00 decree 1.00 CFS

0.82

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2.08 CFS

2.08 KKC

1-7-94

FIELD EXAM ATTACHMENT

PAGE: 411
 FILES: A72-04032, 04033
04034
 AGENT: KKC
 DATE: 12-6-93

orig. A72-00149

ATTACHMENT SUBJECT: Salmon River diversions

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 - old 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 S-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 Duffer Pump site for
A72-07055.

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REMARK AND CONDITION CODE WORKSHEET

SYSTEM CLAIM NUMBERS

A72 00149 A72 4031
 00150
 16273

 AGENT
 INITIALS *KKC*

DATE

12-7-94

 CLAIM NO.
 OR ENTRY
 ORDER

 REMARK
 CODE

ENTRY DATA

 CONDITION
 CODE

 STAGE
 OR
 STATUS

 PRESUMPTION
 CODE

F06

 72-00149, 00150
 72-16273

E12

 modify to cover both overlaps 3 Morgan Creek
 right overlapping And then Morgan Creek
 with the Salmon River Water (72-04031)

Morgan Cr limit 1.82 CFS (Capacity)

All sources Combs.

3.08

 excess flow analysis
 legal limit

100 AF

40 Acres

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FIELD EXAM ATTACHMENT

POOR ORIGINAL

DATE: 1-7-94PAGE: 1/AGENT: KACFILES: A72-0049 005016273,04031

ATTACHMENT SUBJECT:

Excess flow AnalysisClaimant filed an excess flow claim on 1-7-94

Excess flow analysis confirms a need for a div rate
in excess of one inch per acre. based upon the
soil types obtained from the SCS and a 10 day
rotation.

Total decreed rate = 1.00 CFSExcess flow rate = $\frac{3.08 KKL}{2.92 CFS}$ System Capacity measured = 1.82 CFS.

the system capacity is considered the limiting
factor for the Morgan Creek diversion. therefore
I recognize

$1.82 - 1.00 CFS = .82$ is the
rate valid for A72-16273. As the system can
be augmented with water from the Salmon River
(A72-04031). A theoretical calculation of the pumping
system for this claim is 2.31 CFS

Morgan Cr water 1.82A72-040312.31Total4.13 CFSexcess flow analysisgives requirement3.08 KKL

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combined system limitation for all claims =4.13 CFS not listed

NAME OF STREAM OR DITCH MORGAN CR WATER
 LOCATION ----- MEASURED JUST WEST OF H-93 ON SAVAGE PROP
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ---- = 1
 FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

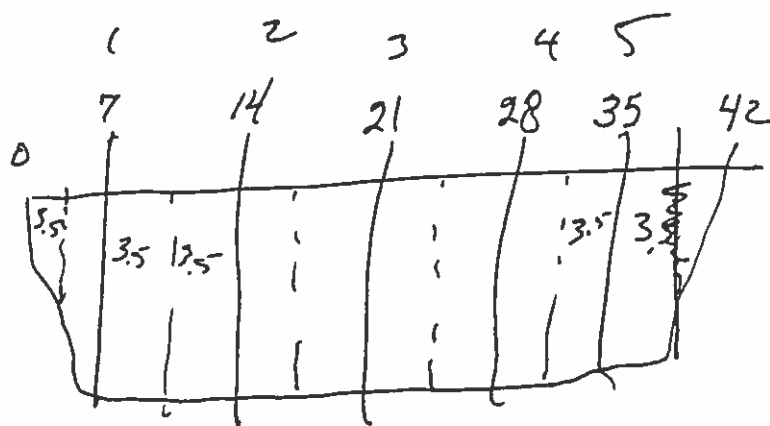
WATER RIGHT NUMBER IF APPLICABLE ----- A72-00149 & 00150
 AGENT CONDUCTING MEASUREMENT & DATE -- KKC 8-17-93
 ACCOMPANIED BY ----- NO ONE
 PREMEASUREMENT SPIN TEST (MIN/SEC) ---
 POST MEASUREMENT SPIN TEST (MIN/SEC) -
 DATE REPORT PREPARED ---- 15-Nov-93

ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	VELOCITY DATA		CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
				1ST MEASUREMENT REVS TIME/SEC	2ND MEASUREMENT REVS TIME/SEC			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
	0.00		0.23			0.29	0.067			0.50	0.03
	0.58	0.46		60	60.3	0.58	0.267	0.99		0.99	0.27
	1.17	0.50		60	50.9	0.58	0.292	1.18		1.18	0.34
	1.75	0.50		60	45.5	0.58	0.292	1.32		1.32	0.38
	2.33	0.50		60	44.5	0.58	0.292	1.35		1.35	0.39
	2.92	0.50		60	49.0	0.58	0.292	1.22		1.22	0.36
	3.50		0.25			0.29	0.073			0.61	0.04
END											1.82

INITIAL POINT

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NOV 02 1994

8-17-93



Thornock Div
Just West of 930+
Savage Prop.

$$6 \overline{) 42} \begin{matrix} 7 \\ 3.5 \end{matrix}$$

stat	depth	Rotation	Sec
1	5 1/2	60	57.53
		60	1.03.13
2	6	60	51.22
			50.53
3	6		45.60
			45.47
4	6		44.40
			44.66
5	6		48.63
			49.37

water clear bottom
gravelly but smooth
sides vert min vegetation
measurement good.

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GRADED BORDER EVALUATION

Job name: A72-00149,00150,16273
By: KKC

Location: BK1 SOIL FOR 5 ACRES
Date:

Roughness coefficient (n)= 0.150 Intake family (If)=2.00
Slope (S)= 0.0400 ft/ft Border width (W)= 35 ft
Net application (Fn)= 4.32 inches Border length (L)= 210 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	Gross depth is less than required gross application depth					
0.35	0.010	16.46	11.96	0.17	26.2	(4)
0.36	0.010	16.93	11.96	0.64	25.5	(4)
0.37	0.011	17.40	11.96	1.11	24.8	(4)
0.38	0.011	17.87	11.96	1.58	24.2	(4)
0.39	0.011	18.34	11.96	2.05	23.6	(4)

(4) Less than minimum recommended depth of flow.

BK1 soil .35 5 acres
RPI soil 1.15 12 acres
BT2 soil 1.58 23 Acres
Totals. 3.08 cfs 40 Acres

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CLAIM NO. --- A72-00149, 00150, 16273
 AGENT ----- KKC
 DATE ----- 01/07/94

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

 SOIL CHARACTERISTICS

Soil Type = BK1; BOCK...SILT LOAM, LOAM, GRAVELLY LOAM, FINE SANDY
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)	intake family
lower	upper	lower	upper	lower	upper	lower	upper			
0	18	0.14	0.2	6.6	8.4	1	3	1	2.04	flood 2
18	48	0.14	0.2	7.4	8.4			1	2.21	furrow 0.55
48	60	0.03	0.05	7.4	8.4			3	6.12	
								4	8.16	alternate
								5	8.64	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	1037	0	
				IRRIGATION DAYS	10		
				DRY DAYS	0		
				SET TIME(hours)	8		
alfalfa (hay or seed)	5	0.5	4.32	CALCULATED RUN (run = acres*43560/width)			
corn (field or silage)	4	0.5	4.08	LENGTH (RUN) = 210			
grain (winter or spring)	4	0.5	4.08	CALCULATED BORDER WIDTH (ditch length/irr days * cha			
pasture (or grass hay)	3	0.5	3.06	WIDTH = 35			
other (enter below)				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD = 4.32			
				ROTATION = 17.6 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	oct
PASTURE	0	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	5	FLOOD	26.4		1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 5 26 1.28 4.51 5.65 6.25 4.45 2.52 0.70
 Peak Net Irrigation Requirement (mm/day) = 6.25

 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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 NOV 02 1994

CLAIM NO. --- A72-00149, 00150, 04031 Lotus Program:
 AGENT ----- KKC IRR-PRAC.WK3
 DATE ----- 10/18/93 Date form revised:
 4/21/93 by KKC

 SOIL CHARACTERISTICS

Soil Type = RP1; FEZIP...FINE SANDY LOAM, GRAVELLY SANDY LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC	intake family	
lower	upper	lower	upper	lower	upper	lower	upper			flood	furrow
0	6	0.1	0.14	6.1	7.3	2	3	1	1.17	3	0.7
6	16	0.06	0.09	6.1	7.3			1	1.25		
16	26	0.1	0.14	6.1	7.3			3	2.92		
26	60	0.01	0.04	6.1	7.3			4	3.22	alternate	
								5	3.52	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (INCHES)	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
				FIELD WIDTH	2780	0	
				IRRIGATION DAYS	10		
				DRY DAYS	0		
				SET TIME(hours)	8		
				CALCULATED RUN (run = acres*43560/width)			
				LENGTH (RUN) =	188		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	93		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	1.76		
				ROTATION =	7.2 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	0	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23
ALFALFA	12	FLOOD	6.5		1.28	4.51	5.65	6.25	4.45	2.52

Summary 12 7 1.28 4.51 5.65 6.25 4.45 2.52 0.70
 Peak Net Irrigation Requirement (mm/day) = 6.25

 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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GRADED BORDER EVALUATION

Job name: A72-00149, --, 04031
By: KKC

Location: RP1 SOILS FOR 12 ACRES
Date:

Roughness coefficient (n)= 0.150 Intake family (If)=3.00
Slope (S)= 0.0400 ft/ft Border width (W)= 93 ft
Net application (Fn)= 1.76 inches Border length (L)= 188 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
1.10	Gross depth is less than required gross application depth					
1.11	Gross depth is less than required gross application depth					
1.12	Gross depth is less than required gross application depth					
1.13	Gross depth is less than required gross application depth					
1.14	Gross depth is less than required gross application depth					
1.15	0.012	22.73	20.79	0.18	7.7	(4)
1.16	0.012	22.93	20.79	0.38	7.7	(4)
1.17	0.013	23.13	20.79	0.58	7.6	(4)
1.18	0.013	23.32	20.79	0.77	7.5	(4)
1.19	0.013	23.52	20.79	0.97	7.5	(4)

(4) Less than minimum recommended depth of flow.

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SOIL CHARACTERISTICS

Soil Type = BT2; BARTONFLAT...VERY GRAVELLY LOAM, EXTREMELY GRAVELLY SANDY LOAM
 Source of Soils Data = Printout From SCS State Office

CLAIM NO. --- A72-00149, 00150, 04031
 AGENT ----- KKC
 DATE ----- 10/19/93

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	5	0.05	0.08	7.4	8.4	1	2	1	0.57			2	0.55
5	45	0.02	0.05	7.4	8.4			1	0.61				
45	60	0.02	0.05	7.4	8.4			3	1.41				
								4	1.83			alternate	
								5	2.25			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
alfalfa (hay or seed)	5	0.5	1.13	FIELD WIDTH	4356	0	
corn (field or silage)	4	0.5	0.91	IRRIGATION DAYS	10		
grain (winter or spring)	4	0.5	0.91	DRY DAYS	0		
pasture (or grass hay)	3	0.5	0.71	SET TIME(hours)	8		
other (enter below)				CALCULATED RUN (run = acres*43560/width)			
				LENGTH (RUN) =	230		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	145		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	1.13		
				ROTATION =	4.6 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)						
					apr	may	jun	jul	aug	sep	oct
PASTURE	0	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	23	FLOOD	8.1		1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 23 8 1.28 4.51 5.65 6.25 4.45 2.52 0.70
 Peak Net Irrigation Requirement (mm/day) = 6.25

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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GRADED BORDER EVALUATION

Job name: A27-00149, --, 04031
By: KKC

Location: BT2 SOILS FOR 23 ACRES
Date:

Roughness coefficient (n)= 0.150

Intake family (If)=2.00

Slope (S)= 0.0400 ft/ft

Border width (W)= 145 ft

Net application (Fn)= 1.33 inches

Border length (L)= 230 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
1.50	Gross depth is less than required gross application depth					
1.51	Gross depth is less than required gross application depth					
1.52	Gross depth is less than required gross application depth					
1.53	Gross depth is less than required gross application depth					
1.54	Gross depth is less than required gross application depth					
1.55	Gross depth is less than required gross application depth					
1.56	Gross depth is less than required gross application depth					
1.57	Gross depth is less than required gross application depth					
1.58	0.011	16.37	14.95	0.09	8.1	(4)
1.59	0.011	16.48	14.95	0.19	8.1	(4)
1.60	0.011	16.58	14.95	0.30	8.0	(4)
1.61	0.011	16.68	14.95	0.40	8.0	(4)
1.62	0.011	16.79	14.95	0.50	7.9	(4)

(4) Less than minimum recommended depth of flow.

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	04	04	04	04	03	03	03	03	02	02	02	02	01	01	01	01						
04	SWNW	SEHW	SWNE	SENE	SWNW	SEHW	SWNE	SENE	SWNW	SEHW	SWNE	SENE	SWNW	SEHW	SWNE	SENE						
04	NSW	NEHW	NWSE	NESE	NSW	NEHW	NWSE	NESE	NSW	NEHW	NWSE	NESE	NSW	NEHW	NWSE	NESE						
04	NSW	SESW	SWSE	SESE	NSW	SESW	SWSE	SESE	NSW	SESW	SWSE	SESE	NSW	SESW	SWSE	SESE						
09	NHW	NEHW	NWNE	NENE	10	NHW	NWNE	NENE	11	NHW	NWNE	NENE	12	NHW	NWNE	NENE						
19	NHW	SEHW	SWNE	SENE	10	SEHW	SWNE	SENE	11	SEHW	SWNE	SENE	12	SEHW	SWNE	SENE						
8	SW	NEHW	NWSE	NESE	10	NSW	NEHW	NWSE	NESE	11	NSW	NEHW	NWSE	NESE	12	NSW	NEHW	NWSE	NESE			
9	SW	SESW	SWSE	SESE	10	SESW	SWSE	SESE	11	SESW	SWSE	SESE	12	SESW	SWSE	SESE						
1	W	NEHW	NWNE	NENE	15	NHW	NWNE	NENE	14	NHW	NWNE	NENE	13	NHW	NWNE	NENE						
1	W	SEHW	SWNE	SENE	15	SEHW	SWNE	SENE	14	SEHW	SWNE	SENE	13	SEHW	SWNE	SENE						
W	NEHW	NWNE	NENE	15	NSW	NEHW	NWNE	NENE	14	NSW	NEHW	NWNE	NENE	13	NSW	NEHW	NWNE	13	LT01			
W	SEHW	SWNE	SENE	15	SESW	SWSE	SESE	15	SESW	SWSE	SESE	14	SESW	SWSE	SESE	13	SESW	SWSE	13	LT02		
W	NEHW	NWNE	NENE	22	NHW	NWNE	NENE	22	NHW	NWNE	NENE	23	NHW	NWNE	NENE	24	NHW	NWNE	24	LT03		
W	SEHW	SWNE	SENE	22	SEHW	SWNE	SENE	22	SEHW	SWNE	SENE	23	SEHW	SWNE	SENE	24	SEHW	SWNE	24	LT04		
W	NEHW	NWNE	NENE	22	NSW	NEHW	NWNE	NENE	23	NSW	NEHW	NWNE	NENE	24	NSW	NEHW	NWNE	24	LT05			
W	SEHW	SWNE	SENE	22	SESW	SWSE	SESE	22	SESW	SWSE	SESE	23	SESW	SWSE	SESE	24	SESW	SWSE	24	LT06		
W	NEHW	NWNE	NENE	27	NHW	NWNE	NENE	27	NHW	NWNE	NENE	28	NHW	NWNE	NENE	25	NHW	NWNE	25	LT07		
W	SEHW	SWNE	SENE	27	SEHW	SWNE	SENE	27	SEHW	SWNE	SENE	28	SEHW	SWNE	SENE	25	SEHW	SWNE	25	LT08		
W	NEHW	NWNE	NENE	27	NSW	NEHW	NWNE	NENE	27	NSW	NEHW	NWNE	NENE	28	NSW	NEHW	NWNE	25	NSW	NEHW	NWNE	NENE
W	SEHW	SWNE	SENE	27	SESW	SWSE	SESE	27	SESW	SWSE	SESE	28	SESW	SWSE	SESE	25	SESW	SWSE	25	SESW	SWSE	SESE
W	NEHW	NWNE	NENE	34	NHW	NWNE	NENE	34	NHW	NWNE	NENE	35	NHW	NWNE	NENE	36	NHW	NWNE	36	NHW	NWNE	NENE
W	SEHW	SWNE	SENE	34	SEHW	SWNE	SENE	34	SEHW	SWNE	SENE	35	SEHW	SWNE	SENE	36	SEHW	SWNE	36	SEHW	SWNE	SENE

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