

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: A72-04030
Date Received: 12/07/1989
Receipt No: M005338
Received By: SCC

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: DELBERT M. HUGHES 208-879-2365
Address: HC 61 BOX 3054
CHALLIS, ID 83226

OR

Name: DONNA L. HUGHES 208-879-2365
Address: HC 61 BOX 3054
CHALLIS, ID 83226

2. Date of Priority: JUN 01, 1947

3. Source: WASTE WATER Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
15N	19E	24	NE	SW			CUSTER
			SW	SW		7	CUSTER
			NW	SE		6	CUSTER

5. Description of diverting works:
DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.720		

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

8. Total consumptive use is 107.5 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	NE	SW		IRR	14.0
			NW	SE		IRR	29.0
						Section Acres	43.0
						Total Acres	43.0

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:

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): Robert M. Hughes Date: Dec. 7, 1989

Date: _____

State of Idaho)
County of Custer) SS.

Subscribed and sworn (or affirmed) before me this 7th day
of December 19 89

Steve C. [Signature]
Notary Public

Seal

Residing at Twin Falls, Idaho

My Commission Expires December 7, 1994

NAME:

HUGHES

CLAIM: 72-04030

CORRESPONDENCE

EVIDENCE OF

PRIORITY



Prepared

CONSERVATION PLAN MAP

UNITED STATES DEPARTMENT of AGRICULTURE & SOIL CONSERVATION SERVICE

cooperating with
CUSTER

S. E. DISTRICT

OWNER **Ivan Hughes**
OPERATOR **Delbert Hughes**
Custer

Idaho

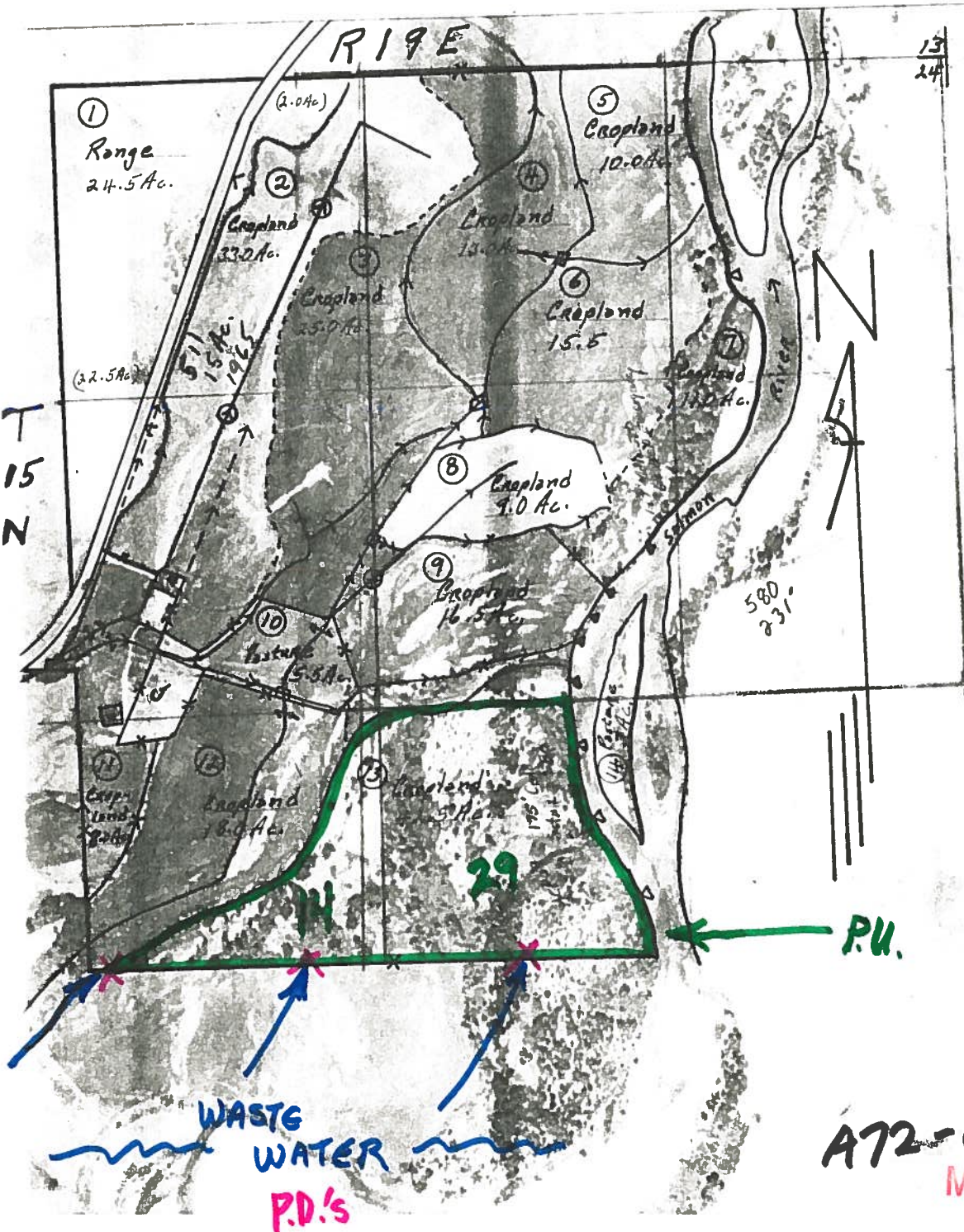
STATE

FARM NO. **161** DATE **1/62**

SCALE **8 1/2 mi** ACRES **238**

PHOTO NO. **CVQ-19W-84**

USDA SOIL CONSERVATION SERVICE



A72-04030

MICROFILMED

MAR 18 1993

MEMO TO FILE

MEMO TO A72-04028

DECEMBER 11, 1989

A72-04029

A72-04030

A72-04177

CC: DELBERT HUGHES

RE: AFFIDAVITS

I FOUND THE DOCUMENTS FOR THESE CLAIMS IN THE MICROFICHE FILES AT SOUTHERN REGION. COPIES HAVE BEEN MADE AND ATTACHED TO THE CLAIMS FILED IN THE ADJUDICATION. COPIES ALSO SENT TO MR. HUGHES FOR HIS RECORDS.

A72-04177 DID NOT HAVE AFFIDAVITS ON RECORD IN THE FILES; NO ATTACHMENTS MADE TO FILE.

STEVE CLELLAND

MICROFILMED
MAR 18 1993

I hereby attest to the fact water was first used on the lands here named

by Robert W. [unclear] in 1901

the lands are described as follows [unclear]

the point of diversion is located in the [unclear]

I have personal knowledge these facts are true.

Signed [Signature]

Notary Public for Idaho

[Signature]

72-04030

MICROFILMED

MAR 18 1993

CLAIM # A72-04030

Some evidence of priority was found on micro fiche records.
Evidence of priority letter not sent to claimant.

Evidence on micro fiche Claim # 72-04030

MICROFILMED

MAR 18 1993



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

A72-04030
DELBERT M. HUGHES
DONNA L. HUGHES
HC 61 BOX 3054
CHALLIS

ID 83226

better 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

MAR 18 1993

by ~~_____~~

the point of diversion is located in the South
Shelly Bay off
the main line.

Paul & Mary

signed by the

Notary Public for Idaho

121131, 121140

Old (D) Number -

```
+ - - - - - Address - - - - - +
```

City- CHALLIS	State- ID	Zip- 83226
Phone - 208-879-2365		
1 - HC 61 BOX 3054		
2 -		
3 -		
City- CHALLIS	State- ID	Zip- 83226
Phone - 208-879-2365		

```

+ - - - status - - -

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1
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9
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11
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21
22
23
24
25

ex Code)

Volume

	-	+	-	+	KW Usage -
Use - +					

County	(37) CUSTER	(37) CUSTER
--------	--------------	--------------

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25

MAR 18 1993

Water right number - A72-04030

Prefix Translation: ADJUDICATION CLAIM

+ - - - - - Old Water Right Numbers - - - - - +
+ - - - - - 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 - 12/07/89 MOBILES

+ - - - - - Comments - - - - - +
+ - - - - - No Comments Found

+ - - - - - Adjudication Rights Dates and Flags Area - - - - - +
Court Report Filing - 00/00/0000 Field Inspection Made - 00/00/0000 Civil Case Number - 39576
Objection Filed Date - 00/00/0000 Field Inspection Flag - - Old Case Number -
Response Filed Date - 00/00/0000 Verified Date - 05/06/1985 Old Judicial District -
Claim Received Date - 12/07/1989 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 - M005338 Federal/State Indicator - S
Claims Tape Error Flag - POU Ownership Flag - Y
Fee Exempt Flag - Name Connector - OR Notice of Error Flag -

MICROFILMED
MAR 1 8 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: 72-04030

DELBERT M HUGHES
DONNA L HUGHES
HC 61 BOX 3054
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: 12/9/98 SIGNATURE: Delbert Hughes
Please print your name: Delbert Hughes

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT

11/03/98 11:20:43

Page 1

Right Number - R72-04030

Prefix Translation: RESEARCH

Old (D) Number -

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

C - CURRENT OWNER ***

HUGHES

DELBERT M

1 - HC 61 BOX 3054

2 -

3 -

City- CHALLIS

State- ID Zip- 83226

Phone - 208-879-2365

1 - HC 61 BOX 3054

2 -

3 -

City- CHALLIS

State- ID Zip- 83226

Phone - 208-879-2365

VERIFIED BY KKC
11-3-98

HUGHES

DONNA L

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
06/01/1947 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - - + + - - - - - Tributary - - - - - +
WASTE WATER MORGAN CREEK

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

15N 19E 24 NE SW - 65S 47 (37) CUSTER
NW SE - 6 48 (37) CUSTER

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

01 - IRRIGATION 04/15 10/15 1.320

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
1.320 0.0

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

15N 19E 24 NE SW 12.0 01 IRRIGATION (37) CUSTER
15N 19E 24 NW SE 10.0 01 IRRIGATION (37) CUSTER

Total Acres: 22.0

65S
135

+ - - Diversion Means - DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

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

EXP THE SOURCE OF THIS RIGHT IS WASTE WATER ORIGINALLY DIVERTED
PURSUANT TO RIGHT NO. 72-04033.

Water right number - R72-04030

Prefix Translation: RESEARCH

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

+ - - - - 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

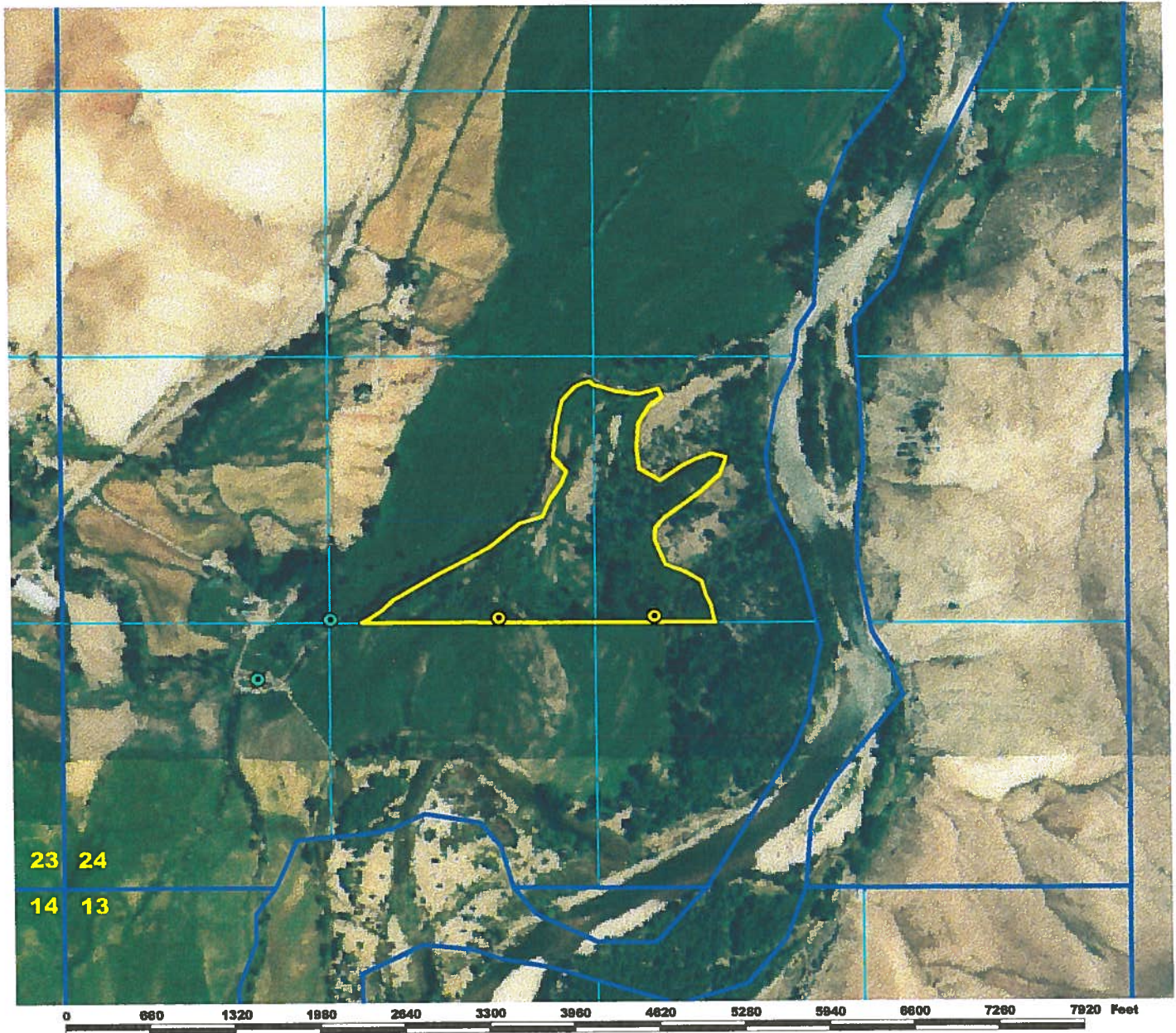
+ - - Audit Fields - 11/13/92 CLELLAND 01/12/94 CHRISTEN 03/30/95 POST-STD 10/06/98 KCHRISTE

+ - - - - Comments - - - - - +
No Comments Found

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

Court Report Filing	- 00/00/0000	Field Inspection Made	- 08/19/1993	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	- 12/07/1989	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	- M005338	Federal/State Indicator	- S
		POU Ownership Flag	- Y	Presumption Flag	-
		Name Connector	- OR	Notice of Error Flag	-

72-04030
WASTE WATER RIGHT
HUGHES



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

				NE				NW				SW				SE				
	TWP	RNG	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
LAIM	15N	19E	24									14					29			43
GIS			24									11.6					10.3			
ECOM												12					10			22
LAIM																				
GIS																				
ECOM																				
LAIM																				
GIS																				
ECOM																				
LAIM																				
GIS																				
ECOM																				

372-DBPOU.SHP

SHAPE NOS.

135

B72-DBPOD.SHP

NOS. DESCRIPTION

47 Sec 24

48 NESW

48 Sec 24

NWSE

Waste water enters the P/U all along the Property Boundary and is applied to the P/U the PIDs entered in GIS represent that use.

DBF TABLES UPDATED

B72-DBPOU.DBF

B72-DBPOD.DBF

REVIEW OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-04030

 DATE: 10-6, 1998

 REVIEWED BY KKC

CHALLIS AREA SOIL REVIEW

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

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

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

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

SOIL TYPE	OPTIMAL / ROTATION (chart)	ACTUAL / ROTATION (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
CB1	~~11.55~~	~~10~~	* 22	* .06	= 1.32 CFS
	/	/	*	*	= CFS
	/	/	*	*	= CFS
	/	/	*	*	= CFS

 TOTAL ACRES 22

DECREED RATE =

CLAIMED DIVERSION RATE =

MEASURED DIVERSION RATE =

R PROOF

CVR

MAPS

PHOTOS

MISC

UNRECORDED
NOV 01 1994

Water Right Number - R72-04030

Prefix Translation: RESEARCH

Old (D) Number -

*** C - CURRENT OWNER ***
HUGHES

DELBERT M.

1 - HC 61 BOX 3054
2 -
3 -

State- ID Zip- 83226

HUGHES

DONNA L.

City- CHALLIS
Phone - 208-879-2365
1 - HC 61 BOX 3054
2 -
3 -
City- CHALLIS
Phone - 208-879-2365

State- ID Zip- 83226

Priority Date - +
06/01/1947

Region - +
17 SOUTHERN

Stage - +
J - BENEFICIAL USE

Status - +

Source - +
WASTE WATER

Tributary -
MORGAN CREEK

Twn Rng Sec Tract Lot Rflg County
15N 19E 24 NE SW (37) CUSTER
NW SE 6 (37) CUSTER

Point of Diversion -

Code Description Period From Period To Water Use Diversion Rate Diversion Volume
01 - IRRIGATION 04/15 10/15 1.31D

+ - Total Div. Rate - + - Total Div. Volume - +
1.310

+ - Total Consumptive Use - + - KW Usage - +
47.5

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
15N	19E	24	NE SW		10.0	01	IRRIGATION	(37) CUSTER
15N	19E	24	NW SE		9.0	01	IRRIGATION	(37) CUSTER

Total Acres: 19.0

+ - - Diversion Means - DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

Remarks -
THE SOURCE OF THIS RIGHT IS WASTE WATER ORIGINALLY DIVERTED
PURSUANT TO RIGHT NO. 72-04033.

MICROFILMED
NOV 01 1994

VERIFIED BY KKE

Water right number - R72-04030

Prefix Translation: RESEARCH

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

+ - - - - - Audit Fields - - - +
01/12/94, CHRISTEN

+ - - - - - Adjudication Rights Dates and Flags Area - - - - - +
Court Report Filing - 00/00/0000 Field Inspection Made - 08/19/1993 Civil Case Number - 39576
Objection Filed Date - 00/00/0000 Field Inspection Flag - 01/12/1994 Old Case Number -
Response Filed Date - 00/00/0000 Verified Date - 00/00/0000 Temporary Right - P
Claim Received Date - 12/07/1989 Last Amended Date - M005338 Water District -
Receipt Number - Y Federal/State Indicator - S
POU Ownership Flag - OR Presumption Flag -
Name Connector - Notice of Error Flag -

MICROFILMED
NOV 0 1 1994

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A72-04030

LAST: HUGHES
ADDRESS: HC 61 BOX 3054
CITY: CHALLIS
PHONE NUMBER: 208-879-2365
OWNER CODE: C

FIRST: DELBERT M.
STATE: ID ZIP: 83226
ID
ZIP: 83226

LAST: HUGHES
ADDRESS: HC 61 BOX 3054
CITY: CHALLIS
PHONE NUMBER: 208-879-2365
OWNER CODE: C
FIELD EXAM REQUIRED?
VERIFICATION REQUIRED DUE TO REMARKS?
NO REMARKS IN CLAIM

DATABASE
FIELD EXAMINER
N

MICROFILMED
NOV 01 1994

CONTACT PERSON: Robert Hughes

PHONE NUMBER: () - -

DATE OF FIELD EXAM: 8/19/1993

APPOINTMENT MADE: Y() N() TIME: : A() P()

ACCOMPANIED BY: one one

PHONE NUMBER: () - -

RELATIONSHIP TO CLAIMANT: owner

DIRECTIONS TO PROPERTY / REMARKS:

MICROFILMED
APR 1994

A. AJ CLAIM: # A72-04030 PRIORITY DATE: 06-01-1947 - STAGE: 5
B. WR RECORD: # 72-04030 PRIORITY DATE: 06-01-1947 STAGE: 5

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE FIELD
N EXAMINER

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

REMARKS:

Claimed priority date supported by affidavits and agrees with the priority of the right that is derived by supply the right. A72-04033. On this date is a continuation of the invention of the P/A covered by 72-04033 this priority date is accepted. Continued development is logical.

RECOMMENDED PRIORITY DATE:

06-01-1947

REVIEWED BY

AKC

DATE

1-12-94

MICROFILMED
NOV 01 1994

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-04030	15N	19E	24		NE	SW	7	CUSTER
A72-04030	15N	19E	24		SW	SW	6	CUSTER
A72-04030	15N	19E	24		NW	SE		CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A72-04029 NONE

WR RECORDS IN SAME 40 ACRE TRACT
72-04029

SOURCE: WASTE WATER

TRIB: SALMON RIVER

B. WR POINT OF DIVERSION AND SOURCE:

TIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
72-04030	15N	19E	24		SW	SW	7	CUSTER
72-04030	15N	19E	24		NE	SW		CUSTER
72-04030	15N	19E	24		NW	SE	6	CUSTER

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

72-04029 A72-04029 NONE

SOURCE: WASTE WATER

TRIB:

C. FIELD EXAM REQUIRED?

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

PRKRS:

NOT RECORDED

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:						
TWP.	RGE.	SEC.	1/4	1/4	LOT	COUNTY
15N	19E	24		NE SW	6	
SOURCE: WASTE WATER/KC						
REVIEWED BY: KAC						
TRIB: Morgan Creek						
DATE: 1-12-94						

The system is a continuation of irrigation from Hornscho's Property. Some minor leveling & dyking has been done in the P/4 to distribute water. Uniform coverage is very poor and I am not recognizing all of the area surrounded by Morgan Creek & Hornscho's Property. A natural drain (probably an old stream channel roughly divided this parcel in half and prevents water from reaching the eastern half of this area. That drain is used as a conveyance for the eastern portion of the Recommended P/4 and the western side is primarily an extension of the field (Hornscho's) with no actual ditch entering the P/4 in this area. At times they can carry water down a cross ditch in Hornscho's Property to direct a head of water specifically to Flug's property. I am recognizing both P/4's that form the boundary between the two systems as diversion points. I was unable to measure the water entering the property but as the spheruland analysis indicates a need for 1.31 CFS & this rate is less than delivered to 72-04033 I am recommending that rate. Runoff from this field returns to Morgan Creek before reaching the Salmon River. Use as for grass pasture and Shade for livestock.

MICROFILMED

NOV 11 1994

A. ROOT WATER RIGHT NUMBERS: A72-04030

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	NE	SW		ROGERS, DELBERT M.	A72-04030 / 714.0	72-04030 / 714.0			
			NE	SW		HUGHES, DELBERT M.	A72-00147 / 27.0	72-00147 /		10	10
			NE	SW		HUGHES, DELBERT M.	A72-00148 / 27.0	72-00148 /			
			NE	SW		HUGHES, DELBERT M.	A72-04028 / 7.0	72-04028 / 7.0			
			NE	SW		HUGHES, DELBERT M.	A72-04029 / 20.0	72-04029 / 20.0			
			NE	SW		HUGHES, DONNA L.	A72-04177 / 15.0	72-04177 / 15.0			
			NE	SW		HUGHES, DELBERT M.	A72-04177 / 15.0	72-04177 / 15.0			
15N	19E	24	NW	SE		HUGHES, DELBERT M.	A72-04030 / 729.0	72-04030 / 729.0		9	9
			NW	SE		HUGHES, DELBERT M.	72-07444 / 29.0	72-07444 / 29.0			
TOTAL ACRES							43.00	43.00		40.00	19 19

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

IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE Y

FIELD EXAMINER

POU COUNTY: CUSTER

PRESUMPTION FLAG:

REMARKS:

RECOMMENDATIONS:

TOTAL ACRES:

19

REVIEWED BY:

KKC

DATE:

1-12-94

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MAY 19 1994

A. AJ CLAIMED USES:

PURPOSES
A72-04030 IRRIGATION

TOTAL DIVERSION RATE/VOLUME CLAIMED

4-15 10-15 day to
MONTH/DAY
FROM 04-01 TO 11-01
1.31
DIVERSION QUANTITY
1.720 CFS
1.720 CFS

B. WR RECORDED USES:

PURPOSES
72-04030 IRRIGATION

TOTAL DIVERSION RATE/VOLUME CLAIMED

FROM 04-01 TO 11-01
MONTH/DAY
DIVERSION QUANTITY
1.720 CFS
1.720 CFS

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NOV 01 1994

C. FIELD EXAM REQUIRED?

FIELD EXAM REQUIRED?
DUE TO WATER-USE DISCREPANCY? (Y/N) DATABASE EXAMINER
DUE TO DIVERSION RATE DISCREPANCY? (Y/N) N
DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N) N

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?
RECOMMEND TO WR STANDARDS OR OTHER?

Y() N()
Y(X) N()

Explain in remarks, below.

REMARKS:

See Pg 5 of CVR for Analysis of div rate. Recommend a div
See also Attached since I had a analysis.

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y() N()

AJ TOTAL CLAIMED DIVERSION RATE: 1.720 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.720 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)

Y

FIELD
DATABASE EXAMINER

B. FLOW MEASUREMENT

MEASUREMENT METHOD

see Pg 5

, SEE ATTACHED CALCULATIONS.

C. ARE OTHER WATER RIGHTS USED? Y() N(X) 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
A72-04030	WASTE WATER	HUGHES , DELBERT M.	1.720	0.040		
A72-00147	MORGAN CREEK	HUGHES , DELBERT M.	1.600	0.009		
A72-00148	MORGAN CREEK	HUGHES , DELBERT M.	0.400	0.002		
A72-04028	SALMON RIVER	HUGHES , DELBERT M.	3.840	0.040		
A72-04029	SALMON RIVER	HUGHES , DELBERT M.	1.600	0.020		
A72-04177	MORGAN CREEK	HUGHES , DONNA L.	5.200	0.064		

NO RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION

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May 1988

D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE $\times 0.02$ CFS/ACRE = 38 CFS
ACRES 19 (Taken from p/u review)

1b. CALCULATIONS

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 = 107.5 AE/A
ACRES 19 $\times$ CONSUMPTIVE VOL. AE/A FOR AREA 2.5 =
TOTAL CONSUMPTIVE USE 47.5 AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = N/A AE/A
ACRES $\times$ DIVERSION VOL. N/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.)

Remark BØ3 72-04033

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RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
IRRIGATION	04-01 ¹⁵ 11-01 ¹⁵	DATABASE EXAMINER ~~1.720~~ 1.31	DATABASE EXAMINER	DATABASE EXAMINER ~~107.5~~ 47.5
TOTAL FOR THIS RIGHT		~~1.720~~		~~107.5~~

REVIEWED BY:

RKC

DATE:

1-12-94

RECEIVED
MARCH 1 1994

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: 72-04030

TOTAL DIVERSION RATE OF WR SPLITS

SPLITS:

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

A72-04030

1.720

-

72-04030

1.720

TOTAL CFS

1.720

1.720

DIVERSION RATE REVIEW

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

DATABASE
Y

FIELD
EXAMINER

REMARKS:

AUTHENTICATION:
SIGNATURE: Kelly T. Chastanan

DATE: 1-12-94

TITLE: Sr Water Resource Agent

R PROOF

CVR

MAPS

PHOTOS

MISC

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NOV 01 1994



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-Oct-1993

DELBERT HUGHES
HC 61 BOX 3045
CHALLIS ID 83226

RE: SYSTEM ANALYSIS FOR ADJUDICATION CLAIMS FILED ON PROPERTY
AT MOUTH OF MORGAN CREEK.

Dear Mr Hughes

The following is the information determined from my field
verification of your claims.

DITCH MEASUREMENTS

Morgan Creek (on Savage property)	7.14 cfs (MEASURED)
Morgan Creek (at Santee ditch crossing) not measured at this point.	capacity considered close to Salmon River measurement.
Salmon River theoretical based upon an additional 6" depth =	8.04 cfs (MEASURED) 11.91 cfs (THEORETICAL)
Pump diversion from Santee ditch theoretical	1.43 cfs (THEORETICAL)

ACREAGE DETERMINATION

Total acres above Santee ditch being irrigated with M Cr water.	<u>75</u> acres
Total acres below Santee ditch being irrigated with M Cr water.	<u>76</u> acres
Total acres being irrigated with waste water	19 acres

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NOV 01 1994

HUGHES
PAGE 2
18-Oct-1993

MORGAN CREEK SYSTEM

Soils and irrigation analysis indicate that 13.23 cfs of Morgan Creek water would be required to irrigate the 151 found acres.

SALMON RIVER SYSTEM

System analysis indicates a 1.43 cfs capacity for the 75 acres under the pump system and 9.21 cfs requirement for the 76 acres below the Santee ditch being irrigated with Salmon River water. This gives a total of 10.64 cfs that could be recognized.

WASTE WATER SYSTEM

System analysis of the 19 acres irrigated with waste water resulted in a required diversion rate of 1.31 cfs.

Based upon currently available information the above rates and acres reflect the basis for my potential recommendation of your claims. As you indicated that you wished to claim 'high' water or excessive flow for all three systems and some of your current claims do not reflect your indications or my analysis, I have enclosed copies of;

A72-04028 - source, Salmon River for 96 acres @ 3.84 cfs
A72-04177 - source, Morgan Creek for 81 acres @ 4.00 cfs.

Please cross out any information you wish to change and then enter your corrections by that location. Please initial each change to indicate that you were the individual that made the changes. The corrected claim form needs to be notarized when you sign it before I am allowed to change your claim. As these are your claims please change them only according to your wishes, not necessarily as I have analyzed your system.

I realize that this letter is extremely brief and does not address many aspects of your claims so please call me if you want to discuss anything relating to the claims.

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NOV 01 1994

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
PRIORITY RATE	N			N	6	11-16-92		
POINT OF DIV	Y		copy of microfiche 8-19-93 KRC	Y	125,6	1-12-94 KRC		
SOURCE	Y		"	N	"	"		
USE OF USE	Y		"	Y	"	"		
DIV. AMOUNT CFS/VOLUME	Y		"	Y	"	"		
CONSUMPTIVE USE	-		"	Y	"	"		
PURPOSES			"	Y	"	"		
PERIOD OF USE			"	N	"	"		
BASIS OF CLAIM			"	Y	6	"		
REMARKS	Y		"	Y	6	"		

11-16-92

scu

VERIFIED BY CODES

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

MAPS USED:

DATE:

ASCS AA-9 1978
ORTHO T-75 1956
SCS SOL/MR 243-34
BLM 7-10D-8 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.

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NOV 01 1994

MICROFILMED
NOV 01 1994

1413
2324

POOR ORIGINAL

D. M. HUGHES

Went after M. C. creek in
the morning available or sufficient
to cover all the 1/2.

Barred pipeline
cannons ~~to~~ to be installed on
Salmon River we have dumped
into Salmon ditch.
E. Salmon was

Hughes
Morgan Creek
ditch

MORGAN
CREEK

Morgan
Creek

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NOV 01 1994

CLAM SUMMARY AS THEY EXIST AS OF THIS DATE

Morgan Creek	A72-00147	-	⁵ ~~171~~	acres @ 1.60 cfs
	A72-00148	-	~~171~~	acres @ 0.40 cfs
	A72-04177	-	81*	acres @ 4.00 cfs
	Total	-	¹⁵¹ ~~171~~	acres @ 6.00 cfs*
Salmon River	A72-04028	-	96	acres @ 3.84 cfs*
	A72-04029	-	80	acres @ 1.60 cfs
Waste Water	A72-04030	-	43	acres @ 1.72 cfs

* Indicates acres or rates that are lower than found or calculated.

Your property is the first analyzed on Morgan Creek so no other users have been contacted as of this date. I hope to make one more trip to the Challis area this fall and if so I will try to contact you to discuss your claims if necessary.

Sincerely



Kelly K. Christensen
Sr. Water Resource Agent

enclosures

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NOV 01 1994

POOR ORIGINAL

CLAIMS: MORGAN Cr 72-00147
-00148

CLAIMS: SALMON R. 72-04177
-04177
72-04028
-04029

CLAIM	INIT
1 T. R. S. 23 NW 1/4 NE LT 7	MORGAN
P/D 1 SN 19E 24 NE SW SW CR	
PHOTO BLM	7-10-88
DT. & ID.	Flight

CLAIM: WASTE WATER 72-04030 P/D SALMON RIVER

SCALE: 1" = 1180

$$CA = \frac{(1190)^2 \times .009699}{43,560} = .3153$$

P/D radiversion (P/D Santee Ditch)
15N 19E 24 SW SW SW

-  P/U ABOVE 'SANTEE' DITCH 75A
-  P/U BELOW 'SANTEE' DITCH 76A
-  P/U IRRIGATED VIA WASTE WATER 19A

MORGAN CREEK

PIPE LINE TO
DELIVER SALMON
RIVER WATER

P/D
#2

PUMP
LOCATION

SANTEE
DITCH

SALMON
RIVER

P/D #3

MICROFILMED
NOV 01 1984

R19E R20E

IDAHO-CUSTER CO
7.5 MINUTE SERIES

POOR ORIGINAL

Morgan Cr.
P/D #1

SANTEE
DITCH

Acre identification by Q/Q
and system. Santee Ditch
splits P/U & systems.

Gerry

Gulch

CLAIM _____ INIT _____
T. R. S. Q/Q
P/D _____
PHOTO T-75
DT. & ID. 1956 FLIGHT

P/D 25
in SANTEE DITCH

FOREST

MICROFILMED
NOV 6 1958

TION AL

30
CLAIM # A72-04038
DATE PHOTOS TAKEN; 8-19-93
PICTURE SET # 5

POOR ORIGINAL

This picture set was taken from the northeast corner of the Thornock property and is looking east northeast on the left to north on the right. The water on the right is a slew that forms the eastern boundary of the recommended P/U and runs roughly in a northerly direction. The tree line forms the property boundary between Thornock and Hughes. The fence line is down and the two parcels are operated as a unit by Hughes.

MORGAN CREEK

SLEW



NOT FILMED
AUG 1 1994

1413
2324

POOR ORIGINAL

D. M. HUGHES

Wooded area M. Creek is
the highest available or sufficient
to cover all the 172.
Barred Pipeline
cannons ~~to~~ to make on
Salmon River we L. Lumped
into Santees Ditch.
& Salmon was

Hughes
Morgan Creek
Ditch

MORGAN
CREEK

Morgan
Creek

CLAIM	T.	R.	S.	Q/Q	INIT
P/D	Field map				
PHOTO	ASC's AA-9				
DT. & ID.	1978 Flight				

DELBERT
SANTER

CLAIM # A72-040²⁰
DATE PHOTOS TAKEN; 8-19-93
PICTURE SET # 4

POOR ORIGINAL

This photo set was taken from the juncture of Morgan Creek and the Salmon River. You are looking south on the left to west southwest on the right. The ground across the Salmon River is actually an island within the river. There is no way for irrigation water to reach this area and this ground is not recommended within the P/U for this claim.

ISLAND SALMON RIVER

MORGAN CREEK



POOR ORIGINAL

38
1089
AKEN; 8-19-93

is taken from the southwest corner of the P/U and is looking
down is the irrigated P/U running from Morgan Creek on the
tree line in the distance.



2

set was taken just east of where Morgan Creek swings north
y north northeast on the left to east on the right. A
e P/U is higher than the rest and is not covered by
ter but is included within the recommended P/U. The area
red but is approximately 1 to 2 acres.

AN CREEK

PICTURE # 3 LOCATION



CLAIM # A72-04029³⁰
DATE PHOTOS TAKEN; 8-19-93
PICTURE # 3

POOR ORIGINAL

This photo was taken from near the center of the P/U and is looking east showing continued irrigation. The sage brush area in the distance is the eastern boundary of the recommended P/U. The Salmon River runs near the base of the hills shown.

SAGE BRUSH AREA

SALMON RIVER



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24

8-19-93

Photo Log Cont

POOR ORIGINAL

Roll #4 Pic #5 8-19-93 View from spring So of Morgan Creek road.
Pic looking up the road.

Hughes / Thornock Pictures

#6/7 pan covers Junction of Morgan Cr & Santa Litch,
Morg Cr from left, Santa Litch cement structure MCr main channels
right of cement, & a high Bypass next to road
Looking NE to N

#8 Hughes Pump from Santa Litch

Berkley Pump MDC 64 PL ser 2747

Miniclosed Motor U.S. Electrical 10 HP ser 3631290

10" mainline for Apror 20' then 12" steel line

2 pan 9+10 P/U north of Pump; Morg. Cr on far right.

1. pic SW corner of "wastewater" P/U Hughes
M cr. is trees on left

2 pans looking N. taken E of Point where M Cr swings N.
Shows Swale in foreground, sage brush in distance. Rolling ground
clearly, not all ground irrigated

Roll #5

#1 thru area covered above (Sprague trees) shows cont
ir & some dry in distance NE.

3 pan shots where M Cr joins Saloon M Cr on right.
Area not irrigated

3 pans from NE corner of Thornock showing fence line
with Hughes & Saloon on E side.

2 pans from So end of Lot So of old home
area not irrigated

2 pans E of stack yard

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4030

CLAIM NO. --- A72-~~0418~~
 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) (ft)		AWC (inches)		intake family	
lower	upper	lower	upper	lower	upper	lower	upper					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	MAD (INCHES)	FIELD NOTES AND CALCULATIONS				
				FIELD 1	FIELD 2	FIELD 3	FIELD 4	
				FIELD WIDTH	2335	0		
				IRRIGATION DAYS	10			
				DRY DAYS	0			
				SET TIME(hours)	8			
				CALCULATED RUN (run = acres*43560/width)				
				RUN =	354			
				CALCULATED BORDER WIDTH (ditch length/irr days * cha				
				WIDTH =	78			
				THEORETICAL ROTATION (mad/net irr req in inches per				
				SELECTED MAD =	1.8			
				ROTATION =	7.8 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	19	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA		FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 19 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

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GRADED BORDER EVALUATION

Job name: A72-04030

Location: CB1 SOILS FOR 19 ACRES

By: KKC

Date: Oct 18, 1993

Roughness coefficient (n)= 0.250

Intake family (If)=2.00

Slope (S)= 0.0200 ft/ft

Border width (W)= 78 ft

Net application (Fn)= 1.80 inches

Border length (L)= 354 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
1.30	Gross depth is less than required gross application depth					
1.31	0.017	16.40	14.49	0.11	11.0	
1.32	0.017	16.52	14.49	0.23	10.9	
1.33	0.017	16.65	14.49	0.36	10.8	
1.34	0.017	16.77	14.49	0.48	10.7	
1.35	0.017	16.90	14.49	0.61	10.7	
1.36	0.017	17.02	14.49	0.73	10.6	
1.37	0.018	17.15	14.49	0.86	10.5	
1.38	0.018	17.27	14.49	0.98	10.4	
1.39	0.018	17.40	14.49	1.11	10.3	

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Claims A72-00148

A72-04028

A72-04177

A72-00147

A72-04030

POOR ORIGINAL

System description:

The P/U can be segmented into 3 parcels with the Salmon River diversion ditch being the major Boundary through the middle of the P/U. The third parcel is ground laying SE of Morgan Creek. This ground is irrigated only with waste water from the Thornock Property (19A).

The balance of the P/U (75A above & 76A below the Santee) is irrigated with Morgan Creek and/or Salmon River water. Both sources can irrigate all 151 acres.

Morgan Creek can be diverted at two different points. The NW P/D #1 is on the Savage property and irrigates the ground above the Santee Ditch (75A). Morgan creek flows through the Santee ditch at P/D #2 thus allowing any available ^{Morgan} water to reach any of the 76 Acres Below the ditch.

Salmon river water reaches the 76A below the ditch through the ditch system. The ⁷⁵ acres above the Santee ditch can be irrigated via water being pumped from the Santee ditch at the SW corner of The P/U and delivered to the headgate structure where the P/D #1 ditch system crosses Highway 93 & enters the P/U. The acres are then flood irrigated through the existing ditch system. The pump is 10 HP with open discharge.

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8-17

Delbert

Morgan { 1 P/D on Savage Prop
1 P/D when Morgan Cr crosses Santa Lee ditch

POOR ORIGINAL

P/D Salmon below Thornock P/D,
Relift pump @ ~~Morgan~~ Santa ditch entering prop.

Thornock

Morgan Cr. inside Savage Prop

P/P Salmon River water

Relift pump where Santa joins Morgan Cr.

use =

Delbert

irr west P/u Morgan Cr - 10 days (with high water)

" East with Salmon 10 days

no dry days.

Morgan Creek Cattle Co.

2 P/Ds

2 main ditches thru main field

14 day to cross (guess) maybe closer to 10 days.

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NOV 01 1994

NWNW	NENW	NWNE	NENE	NWNW	NENW	NWNE	NENE	NWNW	NENW	NWNE	NENE	NWNW	NENW	NWNE	NENE
04 SWNW	04 SENW	04 SWNE	04 SENE	03 SWNW	03 SENW	03 SWNE	03 SENE	02 SWNW	02 SENW	02 SWNE	02 SENE	01 SWNW	01 SENW	01 SWNE	01 SENE
04 NWSW	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 SWSW	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 NWNW	09 NENW	09 NWNE	09 NENE	10 NWNW	10 NENW	10 NWNE	10 NENE	11 NWNW	11 NENW	11 NWNE	11 NENE	12 NWNW	12 NENW	12 NWNE	12 NENE
09 SWNW	09 SENW	09 SWNE	09 SENE	10 SWNW	10 SENW	10 SWNE	10 SENE	11 SWNW	11 SENW	11 SWNE	11 SENE	12 SWNW	12 SENW	12 SWNE	12 SENE
09 NWSW	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 SWSW	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 NWNW	18 NENW	18 NWNE	18 NENE	15 NWNW	15 NENW	15 NWNE	15 NENE	14 NWNW	14 NENW	14 NWNE	14 NENE	13 NWNW	13 NENW	13 NWNE	13 NENE
18 SWNW	18 SENW	18 SWNE	18 SENE	15 SWNW	15 SENW	15 SWNE	15 SENE	14 SWNW	14 SENW	14 SWNE	14 SENE	13 SWNW	13 SENW	13 SWNE	13 SENE
18 NWSW	18 NESW	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 SWSW	18 SESW	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 NWNW	21 NENW	21 NWNE	21 NENE	22 NWNW	22 NENW	22 NWNE	22 NENE	23 NWNW	23 NENW	23 NWNE	23 NENE	24 NWNW	24 NENW	24 LT02	24 LT03
21 SWNW	21 SENW	21 SWNE	21 SENE	22 SWNW	22 SENW	22 SWNE	22 SENE	23 SWNW	23 SENW	23 SWNE	23 SENE	24 SWNW	24 SENW	24 LT03	24 LT04
21 NWSW	21 NESW	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 SWSW	21 SESW	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 NWNW	28 NENW	28 NWNE	28 NENE	27 NWNW	27 NENW	27 NWNE	27 NENE	28 NWNW	28 NENW	28 NWNE	28 NENE	25 LT04	25 LT03	25 LT01	25 NENE
28 SWNW	28 SENW	28 SWNE	28 SENE	27 SWNW	27 SENW	27 SWNE	27 SENE	28 SWNW	28 LT02	28 LT02	28 LT01	25 LT05	25 LT06	25 SWNE	25 SENE
28 NWSW	28 NESW	28 NWSE	28 NESE	27 NWSW	27 NESW	27 NWSE	27 NESE	28 LT04	28 SWNW	28 LT06	28 LT06	25 NWSW	25 NESW	25 NWSE	25 NESE
28 SWSW	28 SESW	28 SWSE	28 SESE	27 SWSW	27 SESW	27 SWSE	27 SESE	28 LT03	28 LT07	28 SWSE	28 SESE	25 SWNW	25 SENW	25 SWNE	25 SESE
23 NWNW	23 NENW	23 NWNE	23 NENE	24 NWNW	24 NENW	24 NWNE	24 NENE	25 LT03	25 NENW	25 NWNE	25 NENE	26 NWNW	26 NENW	26 NWNE	26 NENE
23 SWNW	23 SENW	23 SWNE	23 SENE	24 SWNW	24 SENW	24 SWNE	24 LT01	25 LT03	25 SENW	25 SWNE	25 SENE	26 SWNW	26 SENW	26 SWNE	26 SENE

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