

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: **A72-04028**
Date Received: 12/ 7/1989
Receipt No: M005338
Received By: _____

AMENDED

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

AMENDED

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: APR 1, 1900

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

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
15N	19E	25		SW	NW	4	CUSTER

5. Description of diverting works:
CONCRETE HEADGATE AND DITCH.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S. (or)	A.F.A.
IRRIGATION	04/01	11/01	~~3.840~~	
STOCKWATER	01/01	12/31	0.070	

7. Total Quantity Appropriated is:
~~3.840~~ C.F.S. (and/or) A.F.A.

8. Total consumptive use is 240.0 Acre Feet Per Annum.

9. Non-irrigation uses:

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NOV 01 1994

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
15N	19E	24	NE		NE	2	IRR	5.0
			NW		NE	2	IRR	40.0
			SW		NE	3	IRR	30.0
			SE		NE	3	IRR	6.0
			SE		NW		IRR	8.0
			NE		SW		IRR	7.0

Section Acres 96.0

Total Acres 96.0

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:

A72-00147, A72-00148, A72-04029, A72-04177.

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: 11/22/93

Date: _____

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NOV 01 1994

State of Idaho)
County of Custer) SS.

Subscribed and sworn (or affirmed) before me this 22nd day
of Nov 19 93 Kelly K. Christensen
Notary Public

Seal



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

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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	8.04 cfs (MEASURED)
theoretical based upon an additional 6" depth =	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 0 1 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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HUGHES
PAGE 3
18-Oct-1993

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	-	~~171~~ 151	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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CLAIM # A72-0402

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

Evidence on micro fiche Claim # 72-04028

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MAR 18 1993

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: A72-04028
Date Received: 12/07/1989
Receipt No: M005338
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NOTICE OF CLAIM TO A WATER RIGHT
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5. Description of diverting works:
CONCRETE HEADGATE AND DITCH.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	3.840		
STOCKWATER	01/01	12/31	0.070		

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

8. Total consumptive use is 240.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
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			NW		NE	2	IRR	40.0
			SW		NE	3	IRR	30.0
			SE		NE	3	IRR	6.0
			SE		NW		IRR	8.0
			NE		SW		IRR	7.0
Section Acres								96.0
Total Acres								96.0

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:

A72-00147, A72-00148, A72-04029, A72-04177.

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 Allen
Notary Public

Seal

Residing at Twin Falls, Idaho
My Commission Expires December 7, 1994

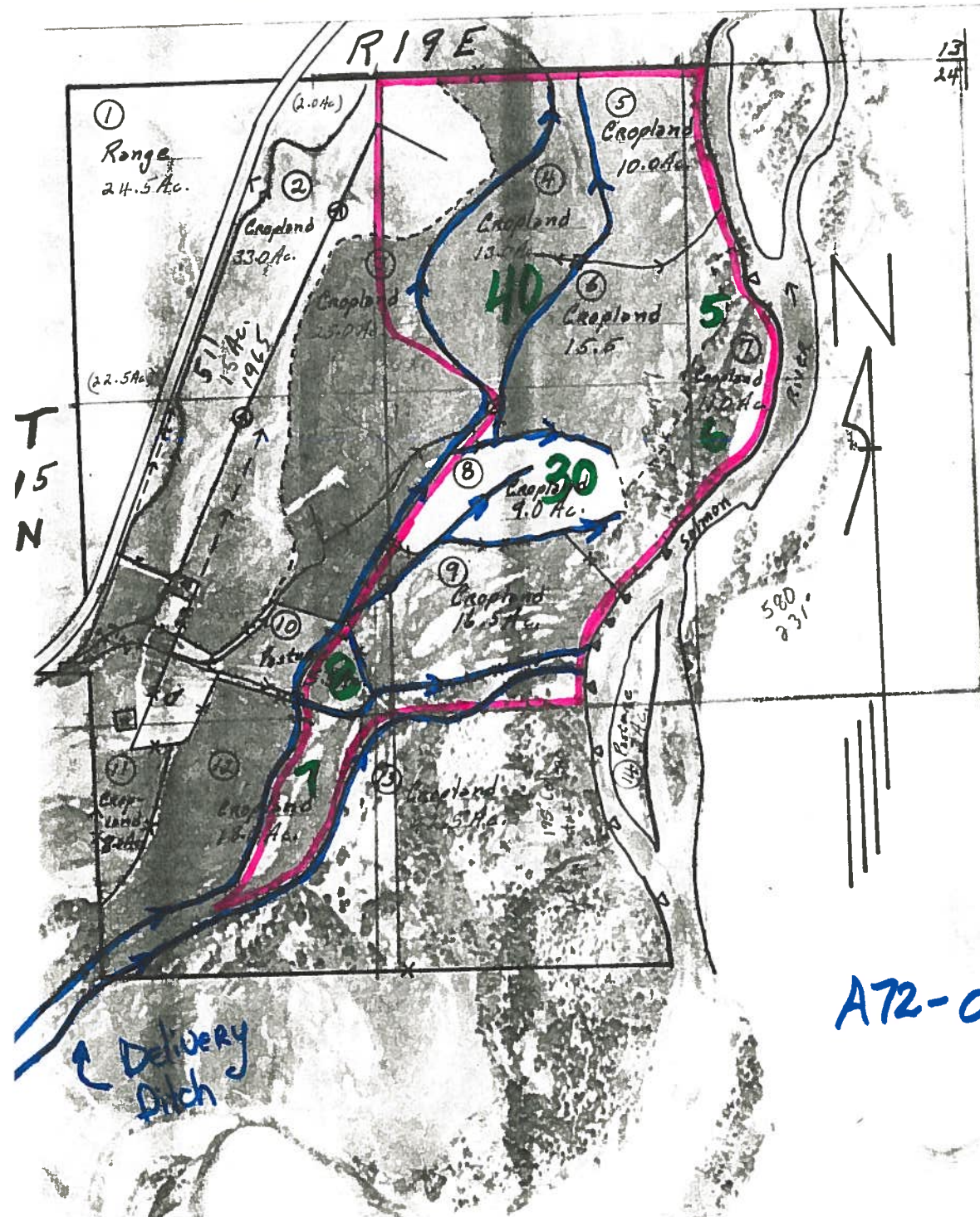
UNITED STATES DEPARTMENT of AGRICULTURE & SOIL CONSERVATION SERVICE
cooperating with
CUSTER
DISTRICT

Idaho

FARM NO. 161 DATE 11/62

SCALE 8" to 1 mi ACRES 238

PHOTO NO. CVQ-19W-84



A72-04028

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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



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

A72-04028
DELBERT M. HUGHES
DONNA L. HUGHES
HC 61 BOX 3054
CHALLIS

ID 83226

letter not sent

RE: Evidence of Priority

RESPONSE DEADLINE

MAY 1, 1992

Dear Claimant:

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

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

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

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

Respectfully submitted,

Allen Merritt, P.E.
Water Rights Supervisor

Enclosures

MICROFILMED
MAR 18 1993

I hereby attest to the fact water was first used on the lands now owned
by Robert M. Bradley in 1960 and continuously FB
the lands are described as follows Section 24, Township 26 N, Range 24 E, Sec. 24, T. 26 N. R. 24 E, S. 24
the point of diversion is located in the SW 1/4, Sec. 24, T. 26 N. R. 24 E, S. 24
I have personal knowledge these facts are true.

Floyd Bradley

Signed Robert M. Bradley
Notary Public in and for
Oklahoma, Indian

I hereby attest to the fact water was first used on the lands now owned
by Robert M. Bradley in 1960 and continuously N.R.
the lands are described as follows Section 24, Township 26 N, Range 24 E, Sec. 24, T. 26 N. R. 24 E, S. 24
the point of diversion is located in the SW 1/4, Sec. 24, T. 26 N. R. 24 E, S. 24
I have personal knowledge these facts are true.

Not. Bradley

Signed Robert M. Bradley
Notary Public in and for
Oklahoma, Indian

MICROFILMED
MAR 18 1993

A72-4028

I hereby attest to the fact water was first used on the lands now owned
by Dalhousie, M. L. L. in 1900 and continuously FB

the lands are described as follows Section 36, Township 36 N., Range 10 E.,
County of Lincoln, Nebraska

the point of diversion is located in the SW 1/4 Section 36 Township 36 N., Range 10 E.,
I have personal knowledge these facts are true.

Signed Ernest J. Peterson
Notary Public for Nebraska
Lincoln, Nebraska

Floyd Bradbury

MICROFILMED
MAR 18 1993

A72-4028

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

by Robert J. [illegible] in 1988 AR

the lands are described as follows Lot 10 in Block 10, Subdivision 10, [illegible] County, Arkansas

25 1/4 Acres, N 1/4 Sec 10, T 1 N, R 1 E, S 1 E, [illegible] County, Arkansas
the point of diversion is located in the SW 1/4 Sec 10, T 1 N, R 1 E, S 1 E, [illegible] County, Arkansas

I have personal knowledge these facts are true.

Notary Public

Signed [illegible]

Notary Public, State of

Arkansas

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MAR 18 1993

A72-4028

Water Right Number - A72-04028 Prefix Translation: ADJUDICATION CLAIM Old (D) Number -
+ - - - - Last Name - - - - + + - First Name - - - + + - - - - Address - - - - - +

*** C - CURRENT OWNER ***
HUGHES

DELBERT M.

1 - HC 61 BOX 3054
2 -
3 -

State- ID Zip- 83226

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

HUGHES

DONNA L.

State- ID Zip- 83226

City- CHALLIS
Phone - 208-879-2365

+ - - Priority Date - - + + - - Region - - - + + - - State - - - + + - - Status - - - +
04/01/1900 17 SOUTHERN S - STATUTORY CLAIM

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

+ - - Point of Diversion - - - - - +
TwN Rng Sec Tract Lot Rflg County Stream Index (Blank if no Index Code)

15N 19E 25 SW NW 4 (37) CUSTER

+ - - Description - - - - - Water Use - - - - - Diversion Rate - - - - - Diversion Volume - - - - -
Code Period From Period To 04/01 11/01 3.840
01 - IRRIGATION 01/01 12/31 0.070
04 - STOCKWATER

+ - - Total Div. Rate - + + - - Total Div. Volume - + + - - Total Div. Capacity - + + - - Total Consumptive Use - + + - - KW Usage - +
3.840 240.0

TwN	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
15N	19E	24	NE NE	2	5.0	01	01	IRRIGATION	(37) CUSTER
15N	19E	24	NW NE	2	40.0	01	01	IRRIGATION	(37) CUSTER
15N	19E	24	SW NE	3	30.0	01	01	IRRIGATION	(37) CUSTER
15N	19E	24	SE NE	3	6.0	01	01	IRRIGATION	(37) CUSTER
15N	19E	24	SE NW	8.0	01	01	01	IRRIGATION	(37) CUSTER
15N	19E	24	NE SW	7.0	01	01	01	IRRIGATION	(37) CUSTER

Total Acres: 96.0

+ - - Diversion Means - CONCRETE HEADGATE AND DITCH.

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - A72-00147, A72-00148, A72-04029, A72-04177.

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MAR 1 8 1993

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT

AJ5808NP
(00-26)

Prefix Translation: ADJUDICATION CLAIM

Water right number - A72-04028

+ - - - - Remarks - - - - - +
No Remarks found.
+ - - - - 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 MOBILE3

+ - - - - 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 Flg	-	POU Ownership Flag	- Y	Presumption Flag	-
Fee Exempt Flag	-	Name Connector	- OR	Notice of Error Flag	-

MICROFILMED
MAR 18 1993

AFFIDAVIT

From A72-10306
claim file.

I, Boise H. Ellis, hereby testify that the waters of the Salmon River have been used at the rate of two (2) inches of water per acre to irrigate one hundred seven (107) acres of the following described land, to wit:

Lots one (1) and two (2) and the Southwest Quarter Southeast Quarter (SW $\frac{1}{4}$ SE $\frac{1}{4}$), Section Thirteen (13), Township Fifteen (15) North, Range Nineteen (19) East, Boise Meridian; and Lots three (3) and seven (7) of Section Eighteen (18), Township Fifteen (15) North, Range Twenty (20) East, Boise Meridian, since April, 1905.

Boise H. Ellis

SUBSCRIBED AND SWORN TO Before me this 3rd day of October, 1977.

Jacqueline Herrin

Notary Public for Idaho

Address: May, Idaho

My Commission Expires: 09/20/79

note to file
1-11-94

Other affidavits in A72-10306 Also support the 1905
Priority date. Among them Delbert Hughes & Veril Jones
xKC

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MAR 18 1993
NOV 01 1994

**RESPONSE TO NOTICE OF ERROR
IN THE SNAKE RIVER BASIN ADJUDICATION**

Water Right No: 72-04028 Contact Date: 12-9-98

IDWR Contact Person: (print and initial) Kelly K. Christensen

Claimant Contact Person Delbert Hughes

Others Present -

Contact By (give date) Meeting in Challis

Meeting (location): _____

Phone Call (no.) _____

Letter (attach letter): _____

IDWR USE ONLY	
Date	Initials
Date Entered	_____
Verified	_____

I. Issues identified by claimant: Priority date should be earlier.

II. Reasons provided claimant for original recommendation: Priority date recommendation based upon affidavits in file.

III. Additional information provided by claimant: Original system diverted from old River Channel and irrigated ground between Santee Ditch & Salmon River. Some time before the Hughes family purchased property, all currently irrigated ground was developed.

IV. Changes to be made in final recommendation (if any): None unless Delbert can provide additional documentation on priority date.

V. Action taken (date): _____

Water Right Number - R72-04028

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

HUGHES

DONNA L

1 - HC 61 BOX 3054

2 -

3 -

City- CHALLIS

State- ID Zip- 83226

Phone - 208-879-2365

VERIFIED BY KKC
11-3-98+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - - +
04/01/1905 17 SOUTHERN J - BENEFICIAL USE+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
SALMON RIVER SNAKE RIVER+ - - - - Point of Diversion - - - - - +
TwN Rng Sec Tract Lot RFlg County Diversion Name
15N 19E 25 SE SW NW 6546 4 (37) CUSTER SANTEE DITCH ✓+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
01 - IRRIGATION 04/15 10/15 7.340 ✓
04 - STOCKWATER 01/01 12/31 0.070 ✓+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
7.340 0.0+ - - - - Place of Use - - - - - +
TwN Rng Sec Tract Lot Acres Code Description County
15N 19E 24 NE NE 2 6.8 01 IRRIGATION (37) CUSTER
15N 19E 24 NW NE 2 27.0 01 IRRIGATION (37) CUSTER
15N 19E 24 SW NE 3 28.0 01 IRRIGATION (37) CUSTER
15N 19E 24 SE NW 2.4 01 IRRIGATION (37) CUSTER
15N 19E 24 NE SW 7.1 01 IRRIGATION (37) CUSTER
15N 19E 24 NW SE 6 1.1 01 IRRIGATION (37) CUSTER

Total Acres: 72.4

+ - - Diversion Means - CONCRETE HEADGATE AND DITCH.

+ - - Non-Irrigation Use - STOCKWATER FOR 300 HEAD OF RANGE CATTLE

+ - - Other Rights for Same Use - 72-00147, 72-00148, AND, 72-04177.

Water right number - R72-04028

Prefix Translation: RESEARCH

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

QNT USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF ~~11.91~~ CFS. OTHER RIGHT NOS.:
72-04029, 72-04031, & 72-10306. *12.9*

POU1 USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED THE
IRRIGATION OF A COMBINED TOTAL OF 72.4 ACRES IN A SINGLE
IRRIGATION SEASON. COMBINED RIGHT NOS.: 72-00147, 72-00148, AND
72-04177.

EXP RIGHTS LISTED BELOW ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE. OTHER RIGHT NOS.: 72-04029, 72-04031, ✓
& 72-10306.

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

+ - - - - Conditions of Approval - - - - - +
No Conditions of Approval found. *cond N/A 11-3-98 KKC*

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

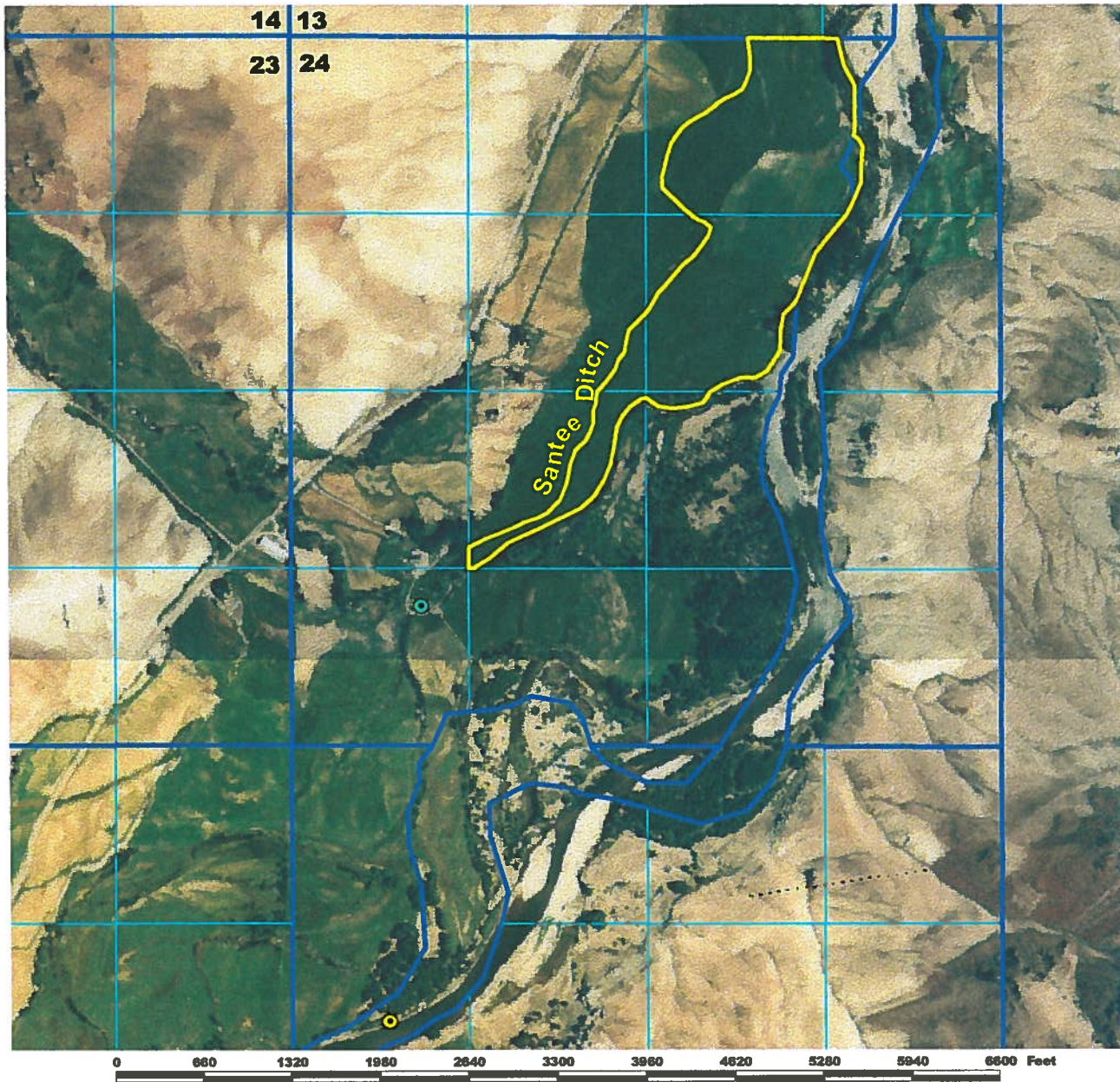
+ - - Audit Fields - 11/13/92 CLELLAND 12/01/93 CHRISTEN 01/11/94 CHRISTEN 03/30/95 POST-STD 10/06/98 KCHRISTE

+ - - - - Comments - - - - - +
Date: 01/11/1994 User Id: CHRISTEN Subject: COPIED FROM REMARKS
CLAIM AMENOEED ON 11-22-93 TO INCREASE THE CLAIMED DIVERSION RATE.

+ - - - - Adjudication Rights Oates 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	-

72-04028
SALMON RIVER 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

AIM NUMBER 72-04028 DATE 10-6-98 TRANSFER NUMBER _____
 AGENT KKC CLAIMED ACRE TOTAL 96
 P/U = Acres below Santee Ditch GIS ACRE TOTAL 72.4

	TWP	RNG	SEC	NE				NW				SW				SE				
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
LAIM	15N	19E	24	5	40	30	6				8	7					-0-			96
GIS				6.8	27.4	27.9	.				2.4	7.1					1.1			
ECOM				6.8	27	28					2.4	7.1					1.1			72.4
LAIM																				
GIS																				
ECOM																				
LAIM																				
GIS																				
ECOM																				
LAIM																				
GIS																				
ECOM																				

B72-DBPOU.SHP
 SHAPE NOS. 133 (below Santee Ditch) P/U is that ground below the Santee Ditch which is also irrigated with Morgan Cr. water.

Rate recommendation Analysis

B72-DBPOD.SHP	Claimed	GIS	Hubble	Field measure
NOS.	DESCRIPTION	9.21 cfs	7.34 cfs	11.9 cfs
	<u>Sec. 25</u>	96 acres	72.4 acres	
	<u>SESWNW</u>			

Hubble rate is the limiting rate for this right.

DBF TABLES UPDATED _____
 B72-DBPOU.DBF _____
 B72-DBPOD.DBF _____

REVIEW OF IRRIGATION RATES BASED UPON 1990 REVISED HUBBLE ANALYSIS PROCEDURES

Pg 1/2

CLAIM NUMBERS
For P/U below
the Santee Ditch

72-04028

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
<u>CB1</u>	<u>.06</u>	<u>.06</u>			11.55	<u>13.47</u>
CHA	.21	.21			4.52	4.76
CP1	.36	.36			2.61	2.78
DB1	.13	.11			5.66	6.65
DBB	.13	.11			5.71	6.69
DBC	.13	.11			5.71	6.69
DMF	.18	.21			5.12	4.72
DT2	.05	.04			12.46	16.50
DWA	.14	.14			4.79	5.01
G01	.10	.12			12.47	10.51
HAYSE						
KEG	.08	.07			8.73	10.06
MUG	.15	.14			4.54	4.98
NDL	.13	.12			5.30	6.06

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
PD2	.11	.12			5.15	4.74
RE2	.29	.21			3.15	4.74
<u>RPI</u>	<u>.19</u>	<u>.21</u>			4.89	<u>4.57</u>
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
<u>Q</u>	<u>.26</u>	<u>.21</u>			<u>13.22</u>	<u>10.39</u>

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
RPI	4.57	10	* 45.3	* .21	= 4.35 CFS
CB1	~~13.47~~	~~20~~	* ~~18.0~~	* ~~.06~~	= ~~1.08~~ CFS
Q	~~10.29~~	~~20~~	* ~~9.1~~	* ~~.21~~	= ~~1.91~~ CFS
			*	*	= CFS

7.34 CFS/acre

TOTAL ACRES 72.4

Total P/U Reconn. Rate

Pg1 7.34

Pg2 6.87

14.21

DECREED RATE =

CLAIMED DIVERSION RATE =

MEASURED DIVERSION RATE =

R PROOF

CVR

MAPS

PHOTOS

MISC

MICROFILMED

NOV 01 1994

Water Right Number - R72-04028

Prefix Translation:

RESEARCH

Old (D) Number -

+ - - - - Last Name - - - - +

+ - First Name - - - +

+ - - - - Address - - - - +

*** C - CURRENT OWNER ***
HUGHES

DELBERT M.

1 - HC 61 BOX 3054
2 -
3 -

State- ID Zip- 83226

VERIFIED BY KKC

HUGHES

DONNA L.

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

State- ID Zip- 83226

City- CHALLIS
Phone - 208-879-2365+ - - Priority Date - - +
04/01/1905+ - - Region - - - +
17 SOUTHERN+ - - Stage - - - +
J - BENEFICIAL USE

+ - - Status - - - +

SALMON RIVER

Tributary - - - - +
SNAKE RIVER+ - - - - Point of Diversion - - - - +
Twn Rng Sec Tract Lot Rflg County

15N 19E 25 SE SW NW 4 (37) CUSTER SANTEE DITCH

+ - - Code Description Period From Water Use Period To Diversion Rate Diversion Volume
01 - IRRIGATION 04/15 10/15 7.210
04 - STOCKWATER 01/01 12/31 0.070+ - Total Div. Rate - + - Total Div. Volume - +
7.210+ - Total Consumptive Use - + - KW Usage - +
0.0

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
15N	19E	24	NE NE	2	6.0	01	IRRIGATION	(37) CUSTER	
15N	19E	24	NW NE	2	30.0	01	IRRIGATION	(37) CUSTER	
15N	19E	24	SW NE	3	28.0	01	IRRIGATION	(37) CUSTER	
15N	19E	24	SE NE	3	3.0	01	IRRIGATION	(37) CUSTER	
15N	19E	24	SE NW	1.0	1.0	01	IRRIGATION	(37) CUSTER	
15N	19E	24	NE SW	6.0	6.0	01	IRRIGATION	(37) CUSTER	
15N	19E	24	NW SE	6	2.0	01	IRRIGATION	(37) CUSTER	

Total Acres: 76.0

+ - - Diversion Means - CONCRETE HEADGATE AND DITCH.

+ - - Non-Irrigation Use - STOCKWATER FOR 300 HEAD OF RANGE CATTLE

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NOV 0 1 1994MICROFILMED
NOV 0 1 1994

Water right number - R72-04028

Prefix Translation: RESEARCH

+ - - Other Rights for Same Use - 72-00147, 72-00148, AND, 72-04177.

Remarks - - - - -

USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 13.23 CFS, A TOTAL COMBINED
ANNUAL CONSUMPTIVE USE VOLUME OF 377.5 AF, AND TO THE IRRIGATION
OF A COMBINED TOTAL OF 151 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS.: 72-00147, 72-00148, AND 72-04177.
RIGHTS LISTED BELOW ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE, AND THE TOTAL COMBINED RATE OF
DIVERSION OF THESE RIGHTS IS LIMITED TO 12.9 CFS (capacity of
diversion system). OTHER RIGHT NOS.: 72-04029, 72-04031, &
72-10306.

+ - - - - No Old Water Right Numbers Found

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

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

+ - - - - Decree Plaintiff - - - +

+ - - - - Decree Defendant - - - +

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

+ - - - - Comments - - - - -

Date: 01/11/1994 User Id: CHRISTEN Subject: COPIED FROM REMARKS
CLAIM AMENDED ON 11-22-93 TO INCREASE THE CLAIMED DIVERSION RATE.

+ - - - - Audit Fields - - - +
01/11/94 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	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 01/11/1994	Old Judicial District	-
Claim Received Date	- 12/07/1989	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- M005338	Water District	-
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- OR	Presumption Flag	-
				Notice of Error Flag	-

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NOV 01 1994

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

FIRST: DELBERT M.

STATE: ID ZIP: 83226

OWNER CODE: C

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

FIRST: DONNA L.

STATE: ID ZIP: 83226

OWNER CODE: C

FIELD EXAM REQUIRED?

FIELD EXAMINER
DATABASE
N

VERIFICATION REQUIRED DUE TO REMARKS?

NO REMARKS IN CLAIM

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A. AJ CLAIM: # A72-04028 PRIORITY DATE: 04-01-1900 STAGE: S
B. WR RECORD: # 72-04028 PRIORITY DATE: 04-01-1900 STAGE: S

C. FIELD EXAM REQUIRED?
DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE N FIELD EXAMINER 2

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

REMARKS: affidavit claim personal knowledge of date claimed

second national
accept in claim Affidavits from A72-10306 support
a 1905 priority ~~claim~~ date for the 'Shute' Ditch Among them are
affidavits from Delbert Hughes Neil Jones and Ernest Ellen. 1905
is the common date priority date for this claim. ~~1905~~ 190306.
we may have the date

RECOMMENDED PRIORITY DATE:
04-01-1900

REVIEWED BY SCA 4-1-1905 KKC
1-11-94

DATE 11-16-92

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A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-04028	15N	19E	25		SW	NW	4	CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX R PREFIX
A72-04029 NONE

WR RECORDS IN SAME 40 ACRE TRACT

72-04029
72-04038

SOURCE: SALMON RIVER

TRIB: SNAKE RIVER

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
04028	15N	19E	25		SW	NW	4	CUSTER

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

72-04029
72-04038

A72-04029
A72-10306

NONE

SOURCE: SALMON RIVER

TRIB:

C. FIELD EXAM REQUIRED?

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

REMARKS:

I found the POD as claimed. Recommend adding ten acre tract (SE) to the legal desc.

10-11-1994
MICHOJIMEL

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:		1/4	LOT	COUNTY
TWP.	RGE.	SEC.		
---	---	---	---	---
---	---	---	---	---
SOURCE:	add SE office OK			
REVIEWED BY:	Salmon R. KRC			
TRIB:	Snake River			
DATE:	1-11-94			

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 NOV 01 1994

A. ROOT WATER RIGHT NUMBERS: A72-04028
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	NE	2	HUGHES, DELBERT M.	A72-04028 / 5.0	72-00147 /	48.0	6	6
			NE	NE	2	HUGHES, DELBERT M.	A72-00148 / 5.0	72-00148 /			
			NE	NE	1	PLYE, JOSEPH L.	A72-04153 / 13.0	72-04153 / 13.0			
15N	19E	24	NW	NE	2	HUGHES, DELBERT M.	A72-04028 / 40.0	72-04028 / 45.0	48.0	30	30
			NW	NE	2	HUGHES, DELBERT M.	A72-00147 / 40.0	72-00147 /			
			NW	NE	2	HUGHES, DELBERT M.	A72-00148 / 40.0	72-00148 /			
			NW	NE	2	HUGHES, DELBERT M.	A72-04029 / 3.0	72-04029 / 3.0			
			NW	NE	2	HUGHES, DONNA L.	A72-04177 / 14.0	72-04177 / 14.0			
15N	19E	24	SW	NE	3	HUGHES, DELBERT M.	A72-04028 / 30.0	72-04028 / 36.0	32.0	28	28
			SW	NE	3	HUGHES, DELBERT M.	A72-00147 / 36.0	72-00147 /			
			SW	NE	3	HUGHES, DELBERT M.	A72-00148 / 36.0	72-00148 /			
			SW	NE	3	HUGHES, DONNA L.	A72-04177 / 6.0	72-04177 / 6.0			
15N	19E	24	SE	NE	3	HUGHES, DELBERT M.	A72-04028 / 6.0	72-00147 /	32.0	3	3
			SE	NE	3	HUGHES, DELBERT M.	A72-00147 / 6.0	72-00147 /			
			SE	NE	3	HUGHES, DELBERT M.	A72-00148 / 6.0	72-00148 /			
15N	19E	24	SE	NW	3	HUGHES, DELBERT M.	A72-04028 / 8.0	72-04028 / 8.0	34.0	1	1
			SE	NW	3	HUGHES, DELBERT M.	A72-00147 / 32.0	72-00147 /			
			SE	NW	3	HUGHES, DELBERT M.	A72-00148 / 32.0	72-00148 /			
			SE	NW	3	HUGHES, DELBERT M.	A72-04029 / 32.0	72-04029 / 32.0			
			SE	NW	3	HUGHES, DELBERT M.	A72-10264 /				
			SE	NW	3	HUGHES, DELBERT M.	A72-10265 /				
			SE	NW	3	HUGHES, DONNA L.	A72-04177 / 28.0	72-04177 / 28.0			
15N	19E	24	SW	SW	3	HUGHES, DELBERT M.	A72-04028 / 7.0	72-04028 / 7.0	40.0	6	6
			SW	SW	3	HUGHES, DELBERT M.	A72-00147 / 27.0	72-00147 /			
			SW	SW	3	HUGHES, DELBERT M.	A72-00148 / 27.0	72-00148 /			
			SW	SW	3	HUGHES, DELBERT M.	A72-04029 / 20.0	72-04029 / 20.0			
			SW	SW	3	HUGHES, DELBERT M.	A72-04030 / 14.0	72-04030 / 14.0			
			SW	SW	3	HUGHES, DONNA L.	A72-04177 / 15.0	72-04177 / 15.0			
			SW	SW	3	HUGHES, DELBERT M.	72-07444 / 14.0				

TOTAL ACRES A72-04028 96.00 96.00 224.00
ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y () N () Also NWSE 686
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED? DATABASE FIELD EXAMINER POU COUNTY: CUSTER
DUE TO POU DISCREPANCY? (Y/N) Y
76 76

PRESUMPTION FLAG:

REMARKS:

P/M For this claim appears to agree below the San Juan Ditch. All areas are flood irrigated
See Also the Attached narrative for additional info on this claimed P/M
does not overlap with the P/Ms 72-04029.

RECOMMENDATIONS:

TOTAL ACRES:

76

REVIEWED BY:

KAC

DATE:

1-11-94

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A. AJ CLAIMED USES:

PURPOSES
A72-04028 IRRIGATION
A72-04028 STOCKWATER

15 10-15
FROM 04-01 TO 11-01
FROM 01-01 TO 12-31

15 10-15 reason to leave
deed standards claim amended
11-22-93 21 CFS
3.840 CFS
0.070 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

3.840 CFS

B. WR RECORDED USES:

PURPOSES
72-04028 IRRIGATION
72-04028 STOCKWATER

MONTH/DAY
FROM 04-01 TO 11-01
FROM 01-01 TO 12-31

DIVERSION QUANTITY
3.840 CFS
0.070 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

3.840 CFS

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
N N
N N
N N

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

REMARKS:

elementary analysis based upon SCS soil information & a 10 day rotation factor
given an optimum requirement of 7.21 (Attached narrative)

which is recommended for the portion of the P/W.
72-04028 is similar to some P/W but was a pump to lift water from
the canal ditch onto an additional 75 acres. no P/W overlap.

EPB remark re with up limit of 12.9 CFS

Also stock water for 350 head is 0.07 per table 6 of field standards manual.

Stock is run on property you record in one area or another.

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

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

3.840
3.840

CFS
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. **

See Attached analysis.

Y() N()

FLOW MEASUREMENT REQUIRED?

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

FIELD
DATABASE EXAMINER
Y

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MEASUREMENT METHOD

12.9

FLOW MEASUREMENT

SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: A72-00147, A72-00148, A72-04029, A72-04177.

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A72-04028	SALMON RIVER	HUGHES, DELBERT M.	3.840	0.040		
A72-00147	MORGAN CREEK	HUGHES, DELBERT M.	1.600	0.009		
A72-00148	MORGAN CREEK	HUGHES, DELBERT M.	0.400	0.002		
A72-04029	SALMON RIVER	HUGHES, DELBERT M.	1.600	0.020		
A72-04030	WASTE WATER	HUGHES, DELBERT M.	1.720	0.040		
A72-04153	SALMON RIVER	PYLE, JOSEPH L.	1.020	0.024		
A72-04177	MORGAN CREEK	HUGHES, DONNA L.	5.200	0.064		

ALL RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION.

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A72-10264	DOMESTIC	HUGHES, DELBERT M.	FROM 01-01 TO 12-31	.040 CFS	

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES 76 $\times$ 0.02 CFS/ACRE = 1.52 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 = 240.0 AE/A

ACRES 76 $\times$ CONSUMPTIVE VOL. AE/A FOR AREA =

TOTAL CONSUMPTIVE USE AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AE/A

ACRES $\times$ DIVERSION VOL. AE/A FOR AREA =

TOTAL DIVERSION VOLUME AE/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y (☐) N (☐)

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

Morgan C. rights 72-00147, 00148 & 04177 cover 151 acres which overlap completely these 76 acres. Morgan creek right takes only with 72-040290 75 acres (diff 17) remain with E12 right system requirements. 151 total acres, E.U. @ 2.5 = 377.5 AF and enough for the 151 acres was determined to be 13.83 CFS.

E12 in the Morgan C. right offset all claims
E12 in the Salmon R. right excludes the other claim.

see Remark right recommendation later for cons.

RECOMMENDATIONS:

REC.
PURPOSES

REC. PERIOD
FROM TO

REC. DIV
RATE CFS

REC. DIV
VOL. AF/A

REC. CONS
USE

IRRIGATION
STOCKWATER

15
04-01
01-01

16-15
11-01
12-31

DATABASE
3.840
0.070
2.21
-07-

DATABASE
EXAMINER

DATABASE
240.0
EXAMINER

TOTAL FOR THIS RIGHT

3.840

REVIEWED BY:

KKC

DATE:

1-11-94

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A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FOREFEIT/ABANDON
ADDITIONAL DIV. AMOUNT

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-04028

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

- A72-04028

3.840

-

72-04028

3.840

TOTAL CFS

3.840

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:

NAME OF FIELD EXAMINER:

DATE:

TITLE:

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WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE								
POINT OF DIV	Y			N		1-11-94 KKC		
SOURCE	Y		copy from microfilm 8-19-93 KKC	N				
DATE OF USE	Y		"					
DIV. AMOUNT CFS/VOLUME	Y		"	Y				
CONSUMPTIVE USE			"	Y				
PURPOSES			"	Y				
PERIOD OF USE			"	Y				
BASIS OF CLAIM			"	Y				
REMARKS	Y		"	Y				

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"VERIFIED BY" CODES

MAPS USED: DATE:
 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
 NAPP SCS 50245 MAP 243-34
 BLM 7-100-8 7-10-88

11-16-92

822

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

GRADED BORDER EVALUATION

Job name: A72-00147 -- 04029
By: KKC

Location: RP1 SOIL FOR 106 ACRES
Date: Oct 18, 1993

Roughness coefficient (n)= 0.150 Intake family (If)=3.00
Slope (S)= 0.0200 ft/ft Border width (W)= 390 ft
Net application (Fn)= 1.76 inches Border length (L)= 395 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)	Note
10.00	Gross depth is less than required	gross application depth				
10.01	Gross depth is less than required	gross application depth				
10.02	Gross depth is less than required	gross application depth				
10.03	Gross depth is less than required	gross application depth				
10.04	Gross depth is less than required	gross application depth				
10.05	Gross depth is less than required	gross application depth				
10.06	0.026	22.57	20.79	0.01	7.8	
10.07	0.026	22.59	20.79	0.04	7.8	
10.08	0.026	22.61	20.79	0.06	7.8	
10.09	0.026	22.64	20.79	0.08	7.8	
10.10	0.026	22.66	20.79	0.10	7.8	
10.11	0.026	22.68	20.79	0.13	7.8	
10.12	0.026	22.70	20.79	0.15	7.8	
10.13	0.026	22.73	20.79	0.17	7.7	
10.14	0.026	22.75	20.79	0.19	7.7	
10.15	0.026	22.77	20.79	0.22	7.7	

Morgan Creek water covers
 $10.06 \text{ CFS} / 106 \text{ A} = .0949 \text{ CFS/ACRE}$

Salmon River water irrigates

97 Acres w/flood therefore $97 \text{ Acres} \times .0949 = \underline{9.206 \text{ CFS}}$

Claimed Acres

Recommended limit for A72-04028
 $76 \times 0.0949 = 7.21 \text{ CFS}$

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CLAIM NO. --- A72-00147, 00148, 04029 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 (inches)	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 (INCHES)	MAD	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
alfalfa (hay or seed)	5	0.5	1.76	FIELD WIDTH	11700	0	
corn (field or silage)	4	0.5	1.61	IRRIGATION DAYS	10		
grain (winter or spring)	4	0.5	1.61	DRY DAYS	0		
pasture (or grass hay)	3	0.5	1.46	SET TIME(hours)	8		
other (enter below)				CALCULATED RUN (run = acres*43560/width)			
				LENGTH (RUN) =	395		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	390		
				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	oct
PASTURE	0	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	106	FLOOD	7.8		1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 106 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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8-17

Delbert

POOR ORIGINAL

Morgan { 1 P/D on Savage Prop

{ 1 P/D when Morgan Cr. crosses Santa Lee ditch

P/D Salmon below Thorneck P/D,

Relift pump @ ~~Morgan~~ Santa Lee ditch entering prop.

Thorneck

Morgan Cr. inside Savage Prop

P/D 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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A72 04028

INITIALS

DATE _____

**PRESUMPTION
CODE**

E06

12.90cfs

04028, 04029, 04031

10306

E12

13.23

377.5

15/ A caso

00147, 00148, 04177

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FIELD EXAM ATTACHMENT

POOR ORIGINAL

DATE: 1-10-94

PAGE: _____

AGENT: KKC

FILES: _____

ATTACHMENT SUBJECT: Combined diversion Rate Analysis

Morgan Creek water recommendation:	72-00147	1.60 CFS
	00148	0.40 CFS
excess flow analysis for	Sub total	2.00 CFS
151 acres gives a total	04177	11.23 CFS
of 13.23 CFS	total	13.23 CFS

Salmon River Water recommendation:	72-04028	7.21 CFS (Flood)
excess flow based upon RPI soils	-04029	1.60 CFS (Pump)
gives a rate of 7.21 CFS for 76 acres.	total	8.81 CFS

The 76 Salmon River acres are within the 151 total acres. When all rights are considered for all of the P/U the system limit is 13.23 CFS (legal limit)

When Salmon River water is used alone the limit is 8.81 CFS for the 151 acres this reflects the 7.21 CFS excess flow rate for 76 acres and the pump capacity of 1.60 CFS for the balance (75 acres).

Pump system theoretical.

$$\frac{10 \times 8.8 \times .7}{40 + (23 \times 0)} = 1.54 \text{ CFS} \quad \bigg/ \quad \frac{10 \times 8.8 \times .7}{38 + (23 \times 0)} = 1.62 \text{ CFS}$$

lift from quad map estimated to be approx 40'. as 38' lift theoretically gives the claimed rate I recommend the claimed rate as valid.

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POOR ORIGINAL

P/O # 1, Morgan Creek on Savage Property
Measured 7.14 CFS

P/O # 2 Morgan Creek where 'Santee' ditch crosses
Morgan Creek. *

Not measured at this point. The ditch carries
water measured @ P/O # 3 & if Salmon River water
was not being diverted then the Morgan Creek
water could be diverted at that rate.

Measured 8.05

P/O # 3 Salmon River, source for 'Santee' ditch
Measured 8.05 CFS, ditch Not at capacity
system measured 9-1-93 *

estimating an additional 6" depth for the same
velocity would generate 11.91 CFS at the same
measurement location.

System capacity for Morgan Creek & the Salmon
River diversions are greater than the excess flow
calculated rates therefore the calculations are the limiting
factor.

Fish & Game measured the Santee ditch just
downstream from the Morgan Creek crossing and
found 12.9 CFS measurement made 9-13-1993
I accept this measurement as the system capacity.

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10-5-93

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 deliver to the headgate structure where the P/D #1 ditch system crosses Highway 93 & enters the P/U. The ⁷⁵ acres are then flood irrigated through the existing ditch system. The pump is ~~a~~ 10 HP with open discharge

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POOR ORIGINAL

CLAIMS: MORGAN Cr 72-00147
-00148

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

CLAIM INIT
1 T. R. S3 NW 1/4 NE 1/4 MORGAN
P/D 15N 19E 24 NE SW SW CR
PHOTO BLM 7-10-D-8
DT. & ID. 7-10-88 Flight

CLAIM: WASTE WATER 72-04030

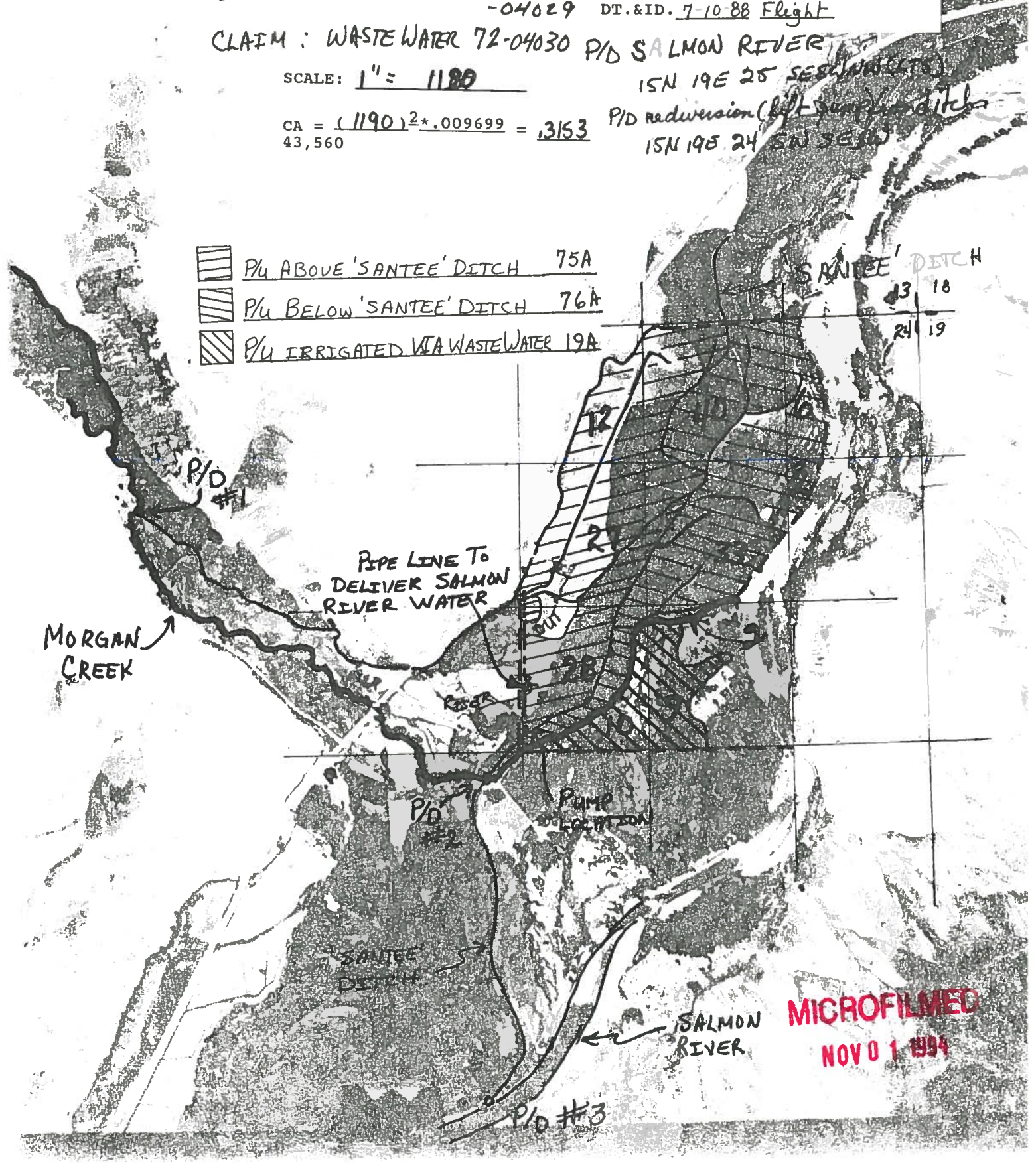
P/D SALMON RIVER
15N 19E 25 SE SW 1/4 (1/4)

SCALE: 1" = 1180

CA = $\frac{(1190)^2 \times .009699}{43,560}$ = 1353

P/D redimension (left) from ditch
15N 19E 24 SW 1/4

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



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R19E R20E

IDAHO CUSTER CO
7.5 MINUTE SERIES

POOR ORIGINAL

R 19 E

R 20 E

114

Morgan Cr.
P/D #1

SANTEE
DITCH

93

6

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

Gerry

Gulch

19

20

CLAIM _____ INIT _____
T. R. S. Q/Q

P/D _____

PHOTO T-75

DT.&ID. 1956 FLIGHT

23

BM
4304

26 28

22 24

2

P/D #2

MORGAN

4813

P/D 25
in SANTEE DITCH

30

29

FOREST

labbs
nt

35

36

31

32

Dry

MICROFILMED

NOV 01 1994

2

1

6

5

VAL

POOR ORIGINAL

L. M. HUGHES

1000 lbs. M. G. C. is
 made on a call or sufficient
 to cover all H. W. N.
 No
 1000 lbs. M. G. C. is
 made on a call or sufficient
 to cover all H. W. N.
 No
 1000 lbs. M. G. C. is
 made on a call or sufficient
 to cover all H. W. N.
 No

Highway Morgan Creek
Ditch

Jack

Pipe

Sally
WA

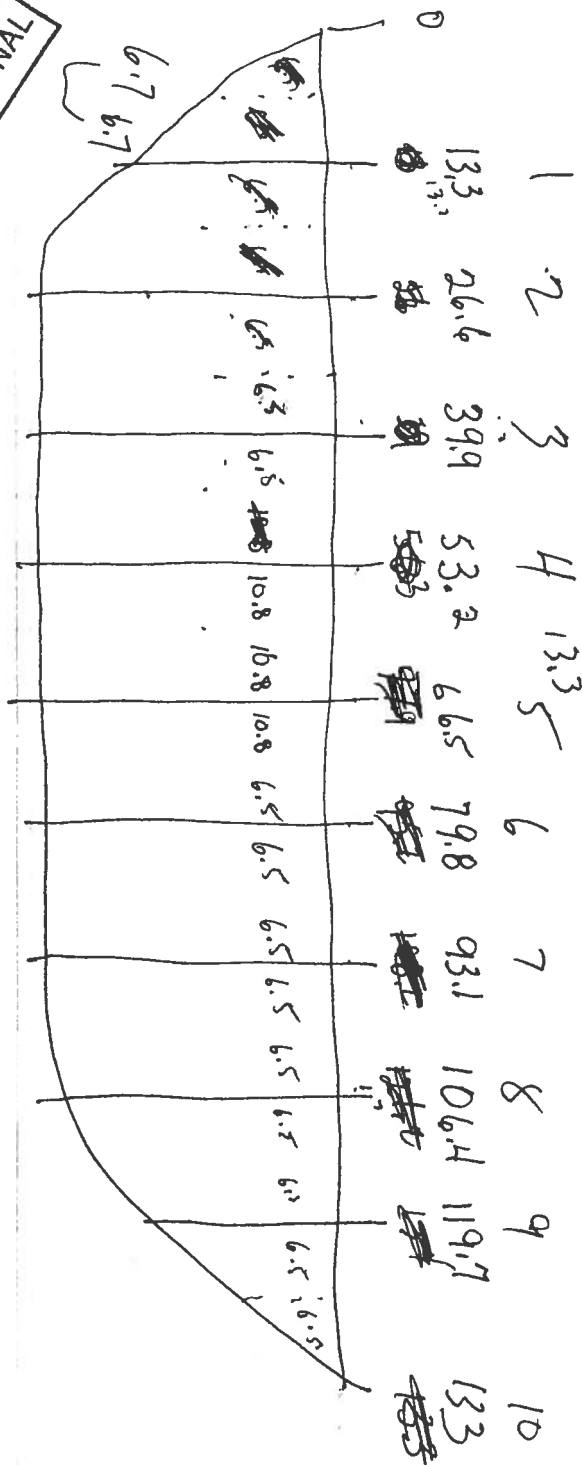


Morgan
Creek

MORGAN
CREEK

MICROFILMED
NOV 01 1994

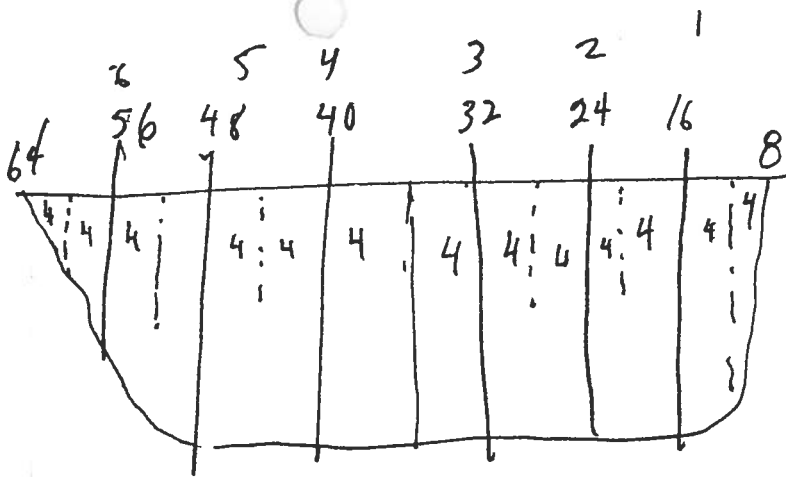
POOR ORIGINAL



9-1-93
 Delbert Hughes
 Sante Ditch
 Delbert was with.

Stat	Depth	Rev	Sec
1	.3	0	
2	.7	16	1.02.81
3	1.2	60	53.59
4	1.1	60	53.38
5	1.1 1/2	60	49.38
6	1.2	60	49.72
7	1.	60	1.09.7
8	.7	40	1.00.03
9	.85	30	1.04.67

POOR ORIGINAL



8-17-93

Hughes diu
from Morgan Cr.
on Savage pier

Stat	depth	Rev	Sec
1	13	60	46.57 46.47
2	14		33.57 32.53
3	13 1/2		25.31 24.81
4	14.0		31.03 30.84
5	13		46.34 44.55
6	8	40	49.94
		40	50.1

water clear on side west of
sloping bottom gravel but
relatively clear of vegetation
within a 30' straight stretch
Measurement Good

WATER RIGHT NUMBER IF APPLICABLE ----- A72-00147, 00148, & 04177
 AGENT CONDUCTING MEASUREMENT & DATE --- KKC 8-17-93
 ACCOMPANIED BY ----- NO ONE
 PREMEASUREMENT SPIN TEST (MIN/SEC) -----
 POST MEASUREMENT SPIN TEST (MIN/SEC) -----

FOLLOWING THE LAST ENTRY IN:

"END"

"DISTANCE FROM INIT PT" ENTRY MUST = "END"

[illegible]

NAME OF STREAM OR DITCH SALMON RIVER; LOCALLY CALLED SANTEE DITCH
 LOCATION ----- APPROX 500 YARDS DOWNSTREAM FROM P/O
 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 -----
 AGENT CONDUCTING MEASUREMENT & DATE --
 ACCOMPANIED BY -----
 PREMEASUREMENT SPIN TEST (MIN/SEC) ---
 POST MEASUREMENT SPIN TEST (MIN/SEC) --

A72-04028, 04029; & SANTEE
 KKC 9-01-93
 OELBERT HUGHES

ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	1ST MEASUREMENT REVS	VELOCITY DATA		CALC WIDTH TIME/SEC	AREA IN SQ FT	1ST POINT		2ND POINT		DISCHARGE IN CFS
					TIME/SEC	REVS			VELOCITY	VELOCITY	VELOCITY	VELOCITY	
	0.00		0.40	0	0.0		0.55	0.222					0.00
	1.11	0.80		16	62.8		1.11	0.887					0.00
	2.22	1.20		60	53.6		1.11	1.330	0.25				0.34
	3.33	1.60		60	53.4		1.11	1.773	1.12				1.99
	4.43	1.60		60	49.4		1.11	1.773	1.12				1.99
	5.54	1.65		60	49.4		1.11	1.829	1.22				2.22
	6.65	1.70		60	49.7		1.11	1.884	1.21				2.27
	7.76	1.50		60	69.7		1.11	1.663	0.86				1.43
	8.87	1.20		40	60.0		1.11	1.330	0.67				0.89
	9.98	1.35		30	64.7		1.11	1.496	0.46				0.69
	11.08		0.68				0.55	0.374	0.23				0.09
													11.91

END

This analysis represents an additional 6" depth of ditch above the measured rate. The ditch has a capacity greater than the measured + the additional 6" but the 6" additional is closer to the high water level in the ditch. The system was measured late in the irrigation season and lower river water levels gives a lower diversion without diversion structure work. KKC

NAME OF STREAM OR DITCH SALMON RIVER; LOCALLY CALLED SANTEE DITCH WATER RIGHT NUMBER IF APPLICABLE A72-04028, 04029; & SANTEE
LOCATION APROX 500 YARDS DOWNSTREAM FROM P/O AGENT CONDUCTING MEASUREMENT & DATE KKC 9-01-93
PURPOSE OF MEASUREMENT ADJUDICATION REVIEW ACCOMPANIED BY OELBERT HUGHES
BASIS OF VELOCITY CALCULATIONS PREMEASUREMENT SPIN TEST (MIN/SEC) POST MEASUREMENT SPIN TEST (MIN/SEC) -
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"

ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH		CALC		VELOCITY DATA				CALC		AREA IN SQ FT	1ST POINT		CALCULATED VELOCITY		DISCHARGE IN CFS
		IN FEET	END PTS	1ST REVS	2ND REVS	TIME/SEC	TIME/SEC	TIME/SEC	WIDTH IN	VELOCITY	2ND POINT VELOCITY		MEAN VELOCITY				
=====																	
	0.00		0.15						0.55	0.083						0.00	0.00
	1.11	0.30			0	0.0			1.11	0.333						0.00	0.00
	2.22	0.70		16	62.8				1.11	0.776			0.25		0.25	0.20	0.20
	3.33	1.10		60	53.6				1.11	1.219			1.12		1.12	1.36	1.36
	4.43	1.10		60	53.4				1.11	1.219			1.12		1.12	1.37	1.37
	5.54	1.15		60	49.4				1.11	1.275			1.22		1.22	1.55	1.55
	6.65	1.20		60	49.7				1.11	1.330			1.21		1.21	1.60	1.60
	7.76	1.00		60	69.7				1.11	1.108			0.86		0.86	0.95	0.95
	8.87	0.70		40	60.0				1.11	0.776			0.67		0.67	0.52	0.52
	9.98	0.85		30	64.7				1.11	0.942			0.46		0.46	0.44	0.44
	11.08		0.43						0.55	0.236			0.23		0.23	0.05	0.05
=====																	
END																	

8.05																	

INITIAL POINT

NW	NE	NW	NE	NW	NE	NW	NE	NW	NE	NW	NE	NW	NE	NW	NE
04	04	04	04	02	02	02	02	02	02	02	02	01	01	01	01
04	04	04	04	03	03	03	03	02	02	02	02	01	01	01	01
04	04	04	04	03	03	03	03	02	02	02	02	01	01	01	01
04	04	04	04	03	03	03	03	02	02	02	02	01	01	01	01
09	09	09	09	10	10	10	10	11	11	11	11	12	12	12	12
09	09	09	09	10	10	10	10	11	11	11	11	12	12	12	12
09	09	09	09	10	10	10	10	11	11	11	11	12	12	12	12
09	09	09	09	10	10	10	10	11	11	11	11	12	12	12	12
16	16	16	16	15	15	15	15	14	14	14	14	13	13	13	13
16	16	16	16	15	15	15	15	14	14	14	14	13	13	13	13
16	16	16	16	15	15	15	15	14	14	14	14	13	13	13	13
16	16	16	16	15	15	15	15	14	14	14	14	13	13	13	13
21	21	21	21	22	22	22	22	23	23	23	23	24	24	24	24
21	21	21	21	22	22	22	22	23	23	23	23	24	24	24	24
21	21	21	21	22	22	22	22	23	23	23	23	24	24	24	24
21	21	21	21	22	22	22	22	23	23	23	23	24	24	24	24
28	28	28	28	27	27	27	27	26	26	26	26	25	25	25	25
28	28	28	28	27	27	27	27	26	26	26	26	25	25	25	25
28	28	28	28	27	27	27	27	26	26	26	26	25	25	25	25
28	28	28	28	27	27	27	27	26	26	26	26	25	25	25	25
33	33	33	33	34	34	34	34	35	35	35	35	36	36	36	36
33	33	33	33	34	34	34	34	35	35	35	35	36	36	36	36