

NAME:

GAMMACHE

CLAIM: 72-10409

CORRESPONDENCE

✓

EVIDENCE OF

PRIORITY

✓

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

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A72-10409
Date Received: 11/29/1989
Receipt No: 5010904^w
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: THOMAS GAMMACHE 208-879-2255
Address: P.O. BOX 146
CHALLIS, ID 83226

AND/OR

Name: ANTHONY D. GAMMACHE 208-879-2255
Address: P.O. BOX 146
CHALLIS, ID 83226

2. Date of Priority: AUG 25, 1910

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

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
14N	19E	5	SW	SE	SW		CUSTER
		9	NW	NE	NW		CUSTER

5. Description of diverting works:
2 DAMS, DITCHES

6. Water is used for the following purposes:

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

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

8. Total consumptive use is 57.5 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

A72-10409

Page 1

Date: 01/10/90

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MAR 18 1993

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
14N	19E	4	SE	SW		IRR	9.0
			SW	SE		IRR	14.0
					Section Acres		23.0
					Total Acres		23.0

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:
A72-00012D, 04162, 00025B

14. Remarks:
BECAUSE OF THE LONG SMALL DITCH WITH MUCH WATER LOSS, I WAS
TOLD THE 1 CFS WAS GIVEN FOR JUST THE 23 ACRES.

15. Basis of Claim: BENEFICIAL USE

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): _____ Date: _____
_____ Date: _____

State of Idaho)
County of _____) SS.

Subscribed and sworn (or affirmed) before me this _____ day
of _____ 19 _____

Notary Public

Seal

Residing at _____

My Commission Expires _____

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 422-10409
Date Received 1/9/90
Receipt Number 5010904

RECEIVED

JAN 9 1990

Department of Water Resources
Southern Region Office

NOTICE OF CLAIM
TO A
WATER RIGHT
ACQUIRED UNDER STATE LAW

Please type or print clearly

1. Name of Claimant (s) Anthony Gammon & Thomas Gammon Phone (208) 857-2255
Mailing Address P.O. Box #146 Challis Idaho Zip 83226
2. Date of Priority (Only one (1) per claim) Aug. 25, 1910
3. Source of water supply (a) CHALLIS CREEK
which is tributary to (b) SALMON RIVER
4. a. Location of existing point of diversion is: Township 14N Range 19E Section 5,
SW 1/4 of SE 1/4 of SW 1/4, Govt. Lot, _____ B.M., County of CUSTER
Additional points of diversion if any: NW 1/4 of NE 1/4 of NW 1/4 of SECTION 9 RANGE 19E Twp. 1
b. If instream flow, beginning point of claimed instream flow is:
Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,
Govt. Lot _____ B.M., County of _____
ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4 of
_____ 1/4, Govt. Lot _____ B.M., County of _____
5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well. (A) Small dam on Challis Creek
and a small 1 1/2 miles ditch. (B) Small dam on Challis Creek and
a 1/4 mile ditch.

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6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For IRRIGATION purposes from 04/01 to 11/01 amount 1 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

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

8. Total consumptive use claimed is 57 1/2 acre feet per annum.

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

10. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
14N	19E	4												9				14	23

Total number of acres irrigated 23

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

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

13. Describe any other water rights used at the same place and for the same purposes as described above.
A7200012D A7204162 or None ()

14. Remarks: Because of the long small ditch with much water
logs I was told the one cfs. was given for just
the 23 acres

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MAR 18 1993

Last Name GAMMACHE Ident No. _____

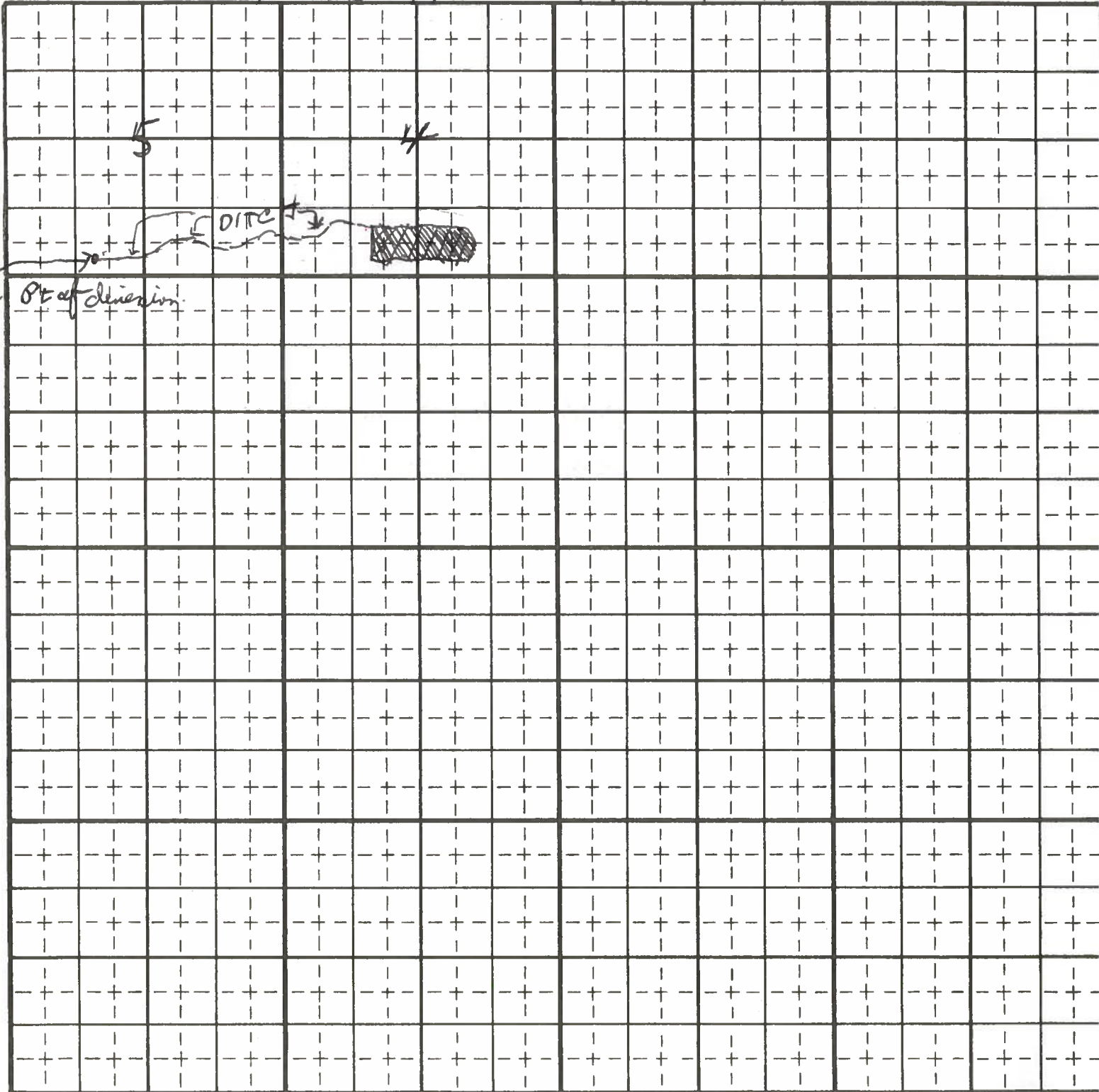
Copies: White -State, Yellow-Claimant

Map of Project: show clearly the point of diversion, place of use, section number, township, and range number.

Scale: 2 inches equals 1 mile

RANGE 19E

TWP 14 N



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MAR 18 1993

Last Name

GAMMACHE

Ident No.

Copies: White-State, Yellow-Claimant

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

16. Signature (s)

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

Number of attachments

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

Signature of Claimant (s)

Anthony Gammache
Thomas Gammache

Date

Jan 8, 1990

Date

Jan 8, 1990

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

Title

of , that I have signed the foregoing

Organization

document in the space below as of

Title

Organization

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

Signature of Authorized Agent

Title and Organization

Date

State of Idaho/or)

County of AF)

SS.

Subscribed and sworn (or affirmed) before me this 8th day of Jan 19 90

SEAL

Notary Public

Lon White

Residing at

AF

My Commission Expires

5/94

Please Print Name

17. Notice of Appearance:

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

Signature

Address

Date

Last Name GAMMACHE Ident. Number

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MAR 18 1993

Copies White-State, Yellow-Claimant



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

.Jan. 15, 1990

.ANTHONY GAMMACHE
.P O BOX 146
.CHALLIS ID 83226

A72-00025B
A72-04163
A72-04162
A72-07272
Re: A72-10138
A72-00012B
A72-10409
A72-04164
A72-00012D
A72-00025A

Dear Claimant(s):

Please find enclosed your receipt and a copy of a computer generated claim based on the information from your original claim(s) which has been entered in our computer records.

Please review the computer generated claim for accuracy. In a few instances clarifications may have been added by the Department at the time of data entry. If you have any questions or objections regarding the computer record of your claim(s), please contact this office.

Yours truly,

Judy Givens
Adjudication Secretary

/jg

Enclosures:

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

A72-10409
THOMAS GAMMACHE
ANTHONY D. GAMMACHE
P.O. BOX 146
CHALLIS

ID 83226

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

AFFIDAVIT

STATE OF IDAHO)
 : ss.
County of Custer)

The undersigned persons, being over the age of 18 years and of sound mind and recollection, depose and say as follows:

1. That we purchased land on Challis Creek, Custer County, Idaho in 1966 including the SW $\frac{1}{4}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 4, Township 14 North Range 19 East, Boise Meridian, Custer County, Idaho.

2. That since that time (growing season 1966) we have consistently received 50 miners inches (1.0 cfs) of water from Challis Creek, a tributary of Salmon River, for use upon the lands particularly described above.

3. This water has been received and used in addition to the water described on Idaho Department of Water Resources Number A72-00025B.

DATED: Jan 8, 1990.

Thomas Gammache
Thomas Gammache

Anthony Gammache
Anthony Gammache

STATE OF IDAHO)
 : ss.
County of Custer)

On this 8th day of January, 1990, before me, the undersigned, a Notary Public in and for the said State, personally appeared THOMAS GAMMACHE and ANTHONY GAMMACHE, known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Ann Beanneths
Notary Public for Idaho
Residing at: Challis
My Comm. Expires: 8-5-94

MICROFILMED

MAR 18 1993

AFFIDAVIT

STATE OF IDAHO)
 : ss.
County of Custer)

The undersigned person, being over the age of 18 years and of sound mind and recollection deposes and says as follows:

1. That the undersigned owns an interest in and resides on a ranch adjacent and west of the Gammache ranch on Challis Creek, County of Custer, State of Idaho.

2. That affiant has resided and worked the same land since 1935.

3. That affiant knows as a fact that Gammaches and their predecessors in interest have had 50 miners inches of water from Challis Creek, August 25, 1910, delivered to them by the water masters over these many years for use and application on the SW $\frac{1}{4}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 4, Township 14 North Range 19 East, Boise Meridian, Custer County, Idaho.

4. That the water have been applied to and beneficially used upon the lands on a consistent basis since the year 1935 or earlier.

DATED: Dec. 19 - 1989.

Lester Bradbury
Lester Bradbury

STATE OF IDAHO)
 : ss.
County of Custer)

On this 19th day of December, 19 89, before me, the undersigned, a Notary Public in and for the said State, personally appeared LESTER BRADBURY, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Jo Ann Beuneth
Notary Public for Idaho
Residing at: Challis
My Comm. Expires: 8-5-94

MICROFILMED

MAR 18 1993

AFFIDAVIT

STATE OF IDAHO)
 : ss.
County of Custer)

The undersigned person, being over the age of 18 years and of sound mind and recollection deposes and says as follows:

1. That the undersigned owns an interest in and resides on a ranch adjacent and west of the Gammache ranch on Challis Creek, County of Custer, State of Idaho.

2. That affiant has resided and worked the same land since 1935.

3. That affiant knows as a fact that Gammaches and their predecessors in interest have had 50 miners inches of water from Challis Creek, August 25, 1910, delivered to them by the water masters over these many years for use and application on the SW $\frac{1}{4}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 4, Township 14 North Range 19 East, Boise Meridian, Custer County, Idaho.

4. That the water have been applied to and beneficially used upon the lands on a consistent basis since the year 1935 or earlier.

DATED: Dec 19-1989.

Earl Bradbury
Earl Bradbury

STATE OF IDAHO)
 : ss.
County of Custer)

On this 19th day of December, 19 89, before me, the undersigned, a Notary Public in and for the said State, personally appeared EARL BRADBURY, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Jo Ann Bennett
Notary Public for Idaho
Residing at: Challis
My Comm. Expires: 8-5-94

MICROFILMED

MAR 18 1993

Robertson, Jean

From: Robertson, Jean
Sent: Thursday, May 13, 1999 9:27 AM
To: 'ccrgo@cyberhighway.net'
Subject: pod errors

Hello Jack,

Wanted to let you know that I have sent the proper forms to Mr. Neider to correct his point of diversion error in 72-00008A. As soon as he returns the forms, I will mail copies out and complete the filing with the court.

If you are aware of other possible errors (like you mentioned for Bauchman with no pods in section 20 when I recommended 3; and the one for Gammache where I recommended one in section 5 and you said that's wrong), please get with the claimants to verify things if need be. They should probably file objections (and very soon, I might add, cause the deadline is quickly approaching) if these are wrong. They can either call me or you can let me know by email if I need to send them objection forms.

If there are other questions or problems that you have noticed, probably the sooner we look into them and take steps, if necessary, the better...

I have seen a copy of the map Michael has prepared for you, so you should be receiving one soon...thanks for your help.
Jeanie

4-30-99

72-10409

Jack Challis says POD

in Sect. 5 is wrong?

- ? Crimed that way

- ? Bot found that way...

What to do?



State of Idaho

DEPARTMENT OF WATER RESOURCES

1341 Fillmore Street, Suite 200, Twin Falls, ID 83301-3380

Phone: (208) 736-3033 FAX: (208) 736-3037

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

December 30, 1998

WILLIAM T GAMMACHE
ANTHONY D GAMMACHE
PO BOX 146
CHALLIS ID 83226

RE: 72-04162, 72-04163, 72-10409

Dear Mr. Gammache,

This letter is in response to the Notices of Error (NOEs) you recently filed with IDWR regarding the Director's proposed recommendation of the claims listed above. Your NOEs questioned the priority dates.

The Department's policy is to recommend beneficial use claims with a priority date of one day junior to the signing of the decree in the area. In your case, that date is October 10, 1991 and I have recommended the priority dates accordingly.

If you still do not agree with the proposed IDWR recommendation to the court, you may file an objection with the court after you receive the final recommendation of your water right. The objection process will be explained when you receive your final recommendation of your water right.

Sincerely,

Jeanie Robertson
Senior Water Resource Agent

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	THOMAS GAMMACHE	10/10/1911	IRRIGATION	04-01 10-31	1.00 CFS	
C	ANTHONY D GAMMACHE					
TOTAL DIVERSION:					1.00 CFS	

Water Source: CHALLIS CREEK Tributary to: SALMON RIVER Stage: BENEFICIAL USE

Point(s) of Diversion: T14N R19E S05 SESESW CUSTER County
S09 NWNEW CUSTER County

Place of use Legal Description for: IRRIGATION									
NE		NW		SW		SE			
T	R	S	: Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac	: Lt Ac Lt Ac Lt Ac	SUM
14N	19E	4	:	:	:	:	:	:	13.1
TOTAL ACRES									13.1

POU County: CUSTER

Conditions of Approval:

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

Dates: Exam Made Date: 12/30/1998 Objection Filed Date:

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

Comments: Date: 11/04/1992 User-ID: WORSTELL Subject: COPIED FROM REMARKS
BECAUSE OF THE LONG SMALL DITCH WITH MUCH WATER LOSS, I WAS
TOLD THE 1 CFS WAS GIVEN FOR JUST THE 23 ACRES.
Date: 11/21/1998 User-ID: AJU10-DS Subject: AJU10 CONDITION UPDATE

Comments: Date: 11/21/1998 User-ID: AJU10-DS Subject: AJU10 CONDITION UPDATE
CONDITION CODE(S) C16 ADDED IF NOT ALREADY PART
OF RECORD THRU AJU10.

Date: 12/30/1998 User-ID: JROBERTS Subject: CHANGED PRIORITY DATE
ALLOWED PRIORITY DATE OF ONE DAY JUNIOR TO DECREE.

Audit: 12/30/98 JROBERTS

November 20, 1998

NOTICE OF ERROR
REPLY

RECEIVED
DEC 15 1998
Department of Water Resources
Southern Region

Please type or print clearly, fill out this form completely and mail.

Return this reply form to IDWR by the deadline date printed below if you want IDWR to change your recommendation or you want to let IDWR know that you agree with its recommendation.

YOUR DEADLINE FOR RETURNING A NOTICE OF ERROR REPLY IS: December 18, 1998

Water right number: 72-10409

THOMAS GAMMACHE
ANTHONY D GAMMACHE
PO BOX 146
CHALLIS ID 83226

Daytime Telephone Number: 208-879-2255

Evening Telephone Number:

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source): *Priority date is 8/25/1910 and is not 4/1/1924.*
2. Describe the changes you wish to make in the proposed recommendation:
Change priority date to 8/25/1910
3. Give a brief explanation as to why you disagree with these portions: *The affidavits in the claim by Lester and Earl Bradbury state that the date of use was from Aug 25, 1910 to the present date.*

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

DATE: 12/13/98 SIGNATURE: Anthony Gammache
Please print your name: ANTHONY GAMMACHE

Water Right Number - R72-10409

Prefix Translation: RESEARCH

Old (D) Number -

*** C - CURRENT OWNER ***

GAMMACHE

THOMAS

VERIFIED BY KKC

11-18-98

GAMMACHE

ANTHONY D

1 - PO BOX 146
2 -
3 -
City- CHALLIS
Phone - 208-879-2255
1 - PO BOX 146
2 -
3 -
City- CHALLIS
Phone - 208-879-2255

State- ID Zip- 83226

Priority Date - +
04/01/1924

Region - +
17 SOUTHERN

tributary -

RIVER

Status - +

Source - +
CHALLIS CREEK

Twn Rng Sec Tract Lot R Flg County Point of Di

14N 19E 5 SE SE SW (37) CUSTER
9 NW NE NW (37) CUSTER

Code Description Period From Period To Water Use Diversion Volume

01 - IRRIGATION

04/01 10/31

1.000

Total Div. Rate - + Total Div. Volume - +
1.000

Total Consumptive Use - + KW Usage - +
0.0

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
14N	19E	4	SE SW		4.2	01	IRRIGATION	(37) CUSTER
14N	19E	4	SW SE		8.9	01	IRRIGATION	(37) CUSTER

Total Acres: 13.1

+ - - Diversion Means - 2 DAMS, DITCHES, FLOOD IRRIGATION

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use -

Remarks -
No Remarks found.

See 72-04162
for PROPERTY
Affidavit

Water right number - R72-10409

Prefix Translation: RESEARCH

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

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

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

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

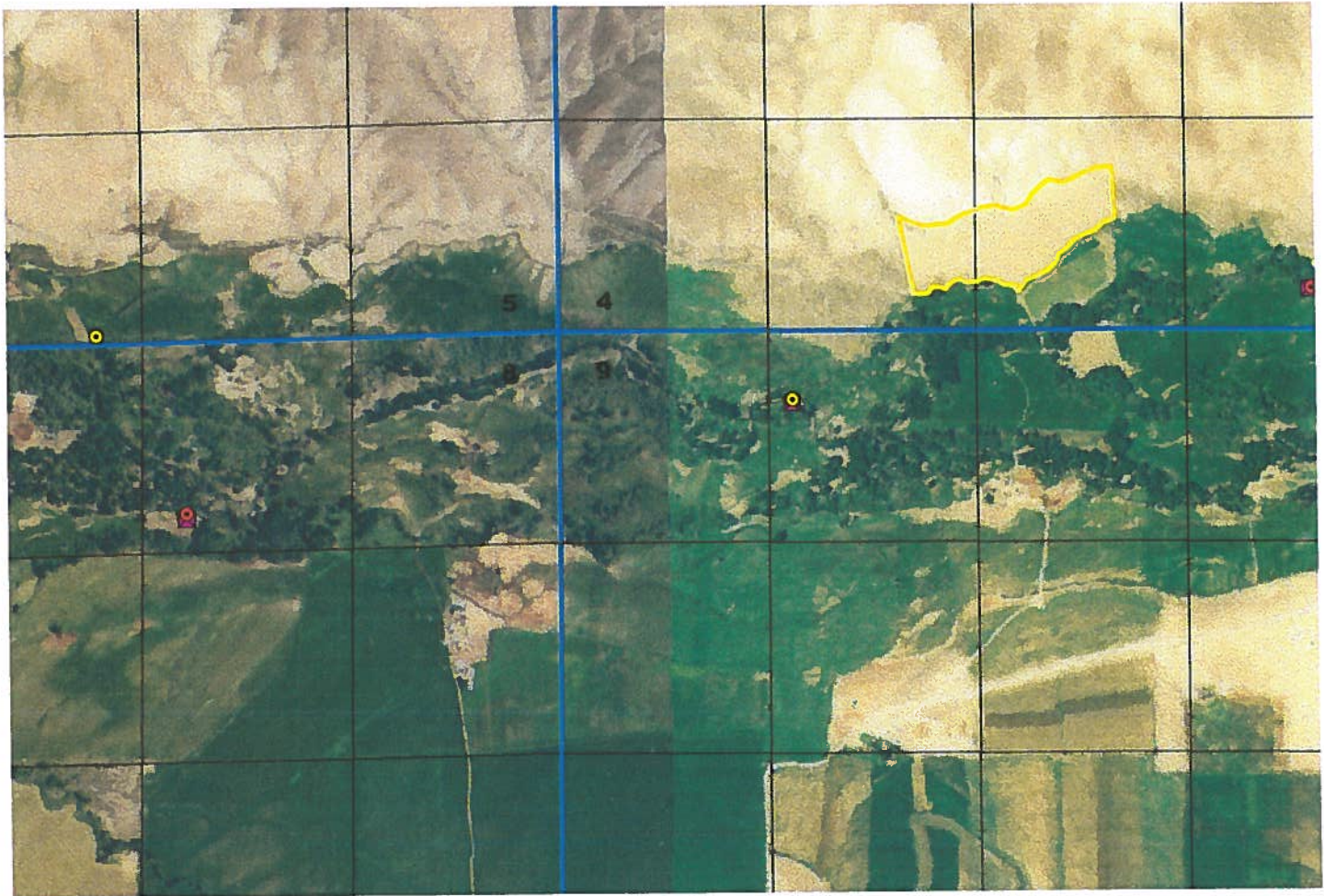
+ - - - - - Comments - - - - - +
Date: 11/04/1992 User Id: WORSTELL Subject: COPIED FROM REMARKS TOLD THE 1 CFS WAS GIVEN FOR JUST THE 23 ACRES.
BECAUSE OF THE LONG SMALL DITCH WITH MUCH WATER LOSS, I WAS

+ - - - - - Audit Fields - - +
11/18/98 KCHRISTE

+ - - - - - 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 - 00/00/0000 Old Case Number -
Response Filed Date - 00/00/0000 Verified Date - 00/00/0000 Old Judicial District -
Claim Received Date - 01/10/1990 Last Amended Date - 00/00/0000 Temporary Right - P
Receipt Number - S010904 Water District - 72C
POU Ownership Flag - Y Federal/State Indicator - S
Name Connector - AND/OR Presumption Flag -
Notice of Error Flag -

IDAHO DEPARTMENT OF WATER RESOURCES

72-10409



0 660 1320 Feet



RECOMMENDED PLACE OF USE
DATA ENTRY ON OCT. 22, 1998
TWP 14N, 19E, SEC . 4

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

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

CLAIM NUMBER 72-10409

DATE

10/22/98

AGENT

R

TRANSFER NUMBER

CLAIMED ACRE TOTAL 2.5

GIS ACRE TOTAL

1.5

	TWP	RNG	SEC	NE				NW				SW				SE			
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
CLAIM	<u>14N</u>	<u>19E</u>	<u>4</u>												<u>9</u>			<u>14</u>	
GIS	<u>14N</u>	<u>19E</u>	<u>4</u>												<u>4.17</u>			<u>8.87</u>	
RECOM	<u>14N</u>	<u>19E</u>	<u>4</u>												<u>4.2</u>			<u>8.9</u>	
CLAIM																			
GIS																			
RECOM																			
CLAIM																			
GIS																			
RECOM																			

B72-DBPOU.SHP

SHAPE NOS.

266Claimed 1.00 CFSHubble = 1.40 CFSRecommend claimed rate.

B72-DBPOD.SHP

NOS. DESCRIPTION

122 14N, 19E, 05 SESESW125 14N, 19E, 09 NWNENWNo overlap with any other
claims recognizedRecommend claimedPriority date.KKC 11-18-98P/D OL with
00012D
2SB
4162

DBF TABLES UPDATED

B72-DBPOU.DBF

☒

B72-DBPOD.DBF

☒

REEVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-10409

DATE: 11-18, 1998

REVIEWED BY KKC

CHALLIS AREA SOIL REVIEW

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
ATC	.15	.13			6.49	7.62
BB1	.09	.09			6.09	6.17
BC1	.16	.17			5.82	5.46
BK1	.07	.06			10.62	11.86
BT1	.18	.16			3.99	4.19
BT2	.41	.32			2.34	2.87
CB1	.06	.06			11.55	13.47
CHA	.21	.21			4.52	4.76
CP1	.36	.36			2.61	2.78
DAF	.18	.15			5.33	7.27
DB1	.13	.11			5.66	6.65
DBB	.13	.11			5.71	6.69
DBC	.13	.11			5.71	6.69
DMF	.18	.21			5.12	4.72
DRF	.18	.19			9.08	9.68
DT2	.05	.04			12.46	16.50
DWA	.14	.14			4.79	5.01
GO1	.10	.12			12.47	10.51
KEG	.08	.07			8.73	10.06
MBF	.15	.12			7.65	5.81
MUG	.15	.14			4.54	4.98
NDL	.13	.12			5.30	6.06
PD2	.11	.12			5.15	4.74
Q	.26	.21			13.2	10.4
RE2	.29	.21			3.15	4.74
RP1	.19	.21			4.89	4.57
SH1	.06	.05			9.37	12.10
SOC	.08	.07			7.38	8.08
SSA	.15	.14			4.79	5.01
SXF	.12	.11			6.14	6.80
TC1	.06	.06			9.82	9.55
TD1	.04	.03			12.46	16.50
WB2	.13	.13			5.37	5.43
WAA	.19	.16			3.81	4.23
WBB	.17	.14			3.36	3.84
WC1	.07	.06			11.24	13.45
WPT	.19	.15			3.16	3.69
WV1	.07	.06			11.24	13.45
XHS						
YN1	.18	.14			5.38	6.92

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

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

SOIL TYPE	OPTIMAL ROTATION / (chart)	ACTUAL ROTATION / (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
ATC	6.49	9	13	.15	1.40 CFS
					CFS
					CFS
					CFS

TOTAL ACRES _____

DECREED RATE = _____

CLAIMED DIVERSION RATE = _____

MEASURED DIVERSION RATE = _____

R PROOF
CVR
MAPS
PHOTOS
MISC



MICROFILMED

MAR 18 1993

Water Right Number - R72-10409

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***
GAMMACHE

THOMAS

1 - P.O. BOX 146

State- ID Zip- 83226

GAMMACHE

ANTHONY D.

2 -
3 -
City- CHALLIS
Phone - 208-879-2255
1 - P.O. BOX 146
2 -
3 -
City- CHALLIS
Phone - 208-879-2255

State- ID Zip- 83226

+ - - Priority Date - - + - - - - Region - - - + - - - - Stage - - - + - - - Status - - - +
06/01/1924 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - + - - - - Tributary - - - - +
CHALLIS CREEK SALMON RIVER

+ - - - - Point of Diversion - - - - +
Twn Rng Sec Tract Lot Rflg County
14N 19E 8 SW NW NE (37) CUSTER
9 NW NE NW (37) CUSTER

+ - - - - Water Use - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
01 - IRRIGATION 04/15 10/15 1.000
+ - Total Div. Rate - + - Total Div. Volume - + - Total Consumptive Use - + - KW Usage - +
1.000 29.0

+ - - - - Place of Use - - - - +
Twn Rng Sec Tract Lot Acres Code Description County
14N 19E 4 SE SW 3.5 01 IRRIGATION (37) CUSTER
14N 19E 4 SW SE 8.0 01 IRRIGATION (37) CUSTER

Total Acres: 11.5

+ - - Diversion Means - 2 DAMS, DITCHES, FLOOD IRRIGATION

+ - - Non-Irrigation Use - NONE

+ - - Other Rights for Same Use -

+ - - - - Remarks - - - - +
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 72-00016A, 72-00023, 72-02050
NOV 01 1994

MICROFILMED

Water right number - R72-10409

Prefix Translation: RESEARCH

AND 72-10149.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 11.5 ACRES WITHIN
THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

No Old Water Right Numbers found

Conditions of Approval
No Conditions of Approval found.

Decree Plaintiff

Decree Defendant

Decree Date
00/00/0000

Date: 11/04/1992 User Id: WORSTELL Subject: COPIED FROM REMARKS
BECAUSE OF THE LONG SMALL DITCH WITH MUCH WATER LOSS, I WAS TOLD THE 1 CFS WAS GIVEN FOR JUST THE 23 ACRES.

Audit Fields
02/17/94 WORSTELL

Adjudication Rights Dates and Flags Area									
Court Report Filing	- 00/00/0000	Field Inspection Made	- 00/00/0000	Civil Case Number	-	39576			
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-	Old Case Number	-				
Response Filed Date	- 00/00/0000	Verified Date	- 02/17/1994	Old Judicial District	-				
Claim Received Date	- 01/10/1990	Last Amended Date	- 00/00/0000	Temporary Right	- P				
		Receipt Number	- S010904	Water District	-				
		POU Ownership Flag	- Y	Federal/State Indicator	- S				
		Name Connector	- AND/OR	Presumption Flag	-				
				Notice of Error Flag	-				

CTRY: TH
STATE: 710
00000

PROJECT: ANTI-COMMUNISM T.
 CTAD#: 17
 ZIP: 00706

ETOT H
PYAMTHER
TATADAGE
Y

MICROFILMED
MAY 01 1994

PERSONAL RECORD:

Anthony Gammache

DATE OF BIRTH: 6/2/93

APPOINTMENT MADE: Y / N

PHONE NUMBER: / /
TIME: : AT : D ()

APPROXIMATE DO:

PHONE NUMBER: / /

DEPARTMENT OF PLANT:

REPORTING TO DEPARTMENT / DEPARTMENT:

Mr. Gammache showed me this field at the outer north side of their irrigated property. He said it was difficult to maintain the long ditch (1.37 miles) that brought the water to the field. Some dry periods this field is not irrigated and they have irrigated it or parts of it by pumping water up from the lower ditch. It wasn't irrigated in 1993 and the aerial photos indicate this area probably isn't very productive

MICROFILMED
MAY 01 1994

B. UP RECORD: NO WATER DRAIN RECORD TO WATER TUBE AT PLATM

C. WEST EXAM RESULTS: PRIORITY DATE: 00-25-1910

D. WEST EXAM RESULTS: PRIORITY DATE: 00-25-1910

E. WEST EXAM RESULTS: PRIORITY DATE: 00-25-1910

F. WEST EXAM RESULTS: PRIORITY DATE: 00-25-1910

*Five affidavits signed by 6 residents of the area
witnessed to their knowledge of the priority of the water
use of this claim. The earliest date witnessed to was
the summer of 1924" by Elmer Stephens*

*This claim is not for additional high water for decreed land so
it is does not qualify under Meerritt's 4/2/93 memo.*

POOR ORIGINAL

RECORDED BY: 6-1-1924

RECORDED BY: 6-1-1924

DATE: 11/4/92

MICROFILMED
NOV 01 1994

6 AT CLAIM STATE OF RESIDENCE AND CITIZENSHIP

CLAIMANT	DOB	AGE	SEX	1/A	1/A	1/A	TOT	STATUS
77-10000	14N	100	Q	CU	CR	CU		CITIZEN
77-10000	14N	100	Q	CU	CR	CU		CITIZEN

COMED AT CLAIM STATE WITH SAME AT PRT

USE REPORT TO SAME AS APPR TRACT

A REPORT
 77-000100
 77-000100
 77-000100
 77-000100

REPORT: CLAIM TO STATE

TRACT: CLAIM TO STATE

USE STATE OF RESIDENCE AND CITIZENSHIP

TRACT TO STATE REPORT WITH THE SAME CLAIM NUMBER

CLAIMANT: NO CLAIM TO STATE

TRACT: NO CLAIM TO STATE

CLAIMANT: NO CLAIM TO STATE

TRACT: NO CLAIM TO STATE

TRACT TO STATE REPORT WITH THE SAME CLAIM NUMBER

CLAIMANT:

706

X

MICROFILMED
 NOV 0 1 1994

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:
 TWP. SEC. 30E 1/4 1/4 1/4 1/4
 14N 19E 8 9
 Challis Creek SW NW NE NW
 NW NE
 Salmon River
 2/15/94
 Custer
 "

POOR ORIGINAL

Diversion Point in Sec 5 SWSE SW would be for water from
 Darling Creek Source. Examination of Aerial Photo and
 coordination with USGS ^{Topog} Map and field Examination observations
 indicate this diversion point is actually in Sec 8 (SWNWNE)
 The diversion Pt₁ in Sec 5 is in error. R.V.W.
 2/16/94.

MICROFILMED
 NOV 01 1994

AT PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

AT PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

AT PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

AT PLATE 11000

DATE OF PLATE 11000

DATE OF PLATE 11000

AT PLATE 11000

New Standard Period of Use

MICROFILMED
Nov 01 1994

1.000
CFC
RES

No records
for this place of use.

EXAMPLE
DATABASE

 $\leq$

ИЗДАТЕЛЬСТВО

CPD APPROXIMATE PARTIAL

NEWB DULUTE T TQPTI IN CLATH= 472-00012H, 04162, 00005B

THE EFFECTS OF A CAMBODIAN ANTI-REDUPLICATION HEAVY METALS

NO STORED LITTLE CAMP POLI DIRT LIGHT ICEP FOR TREATMENT

MICROFILMED
NOV 01 1994

10

DATE/UNITIME CALCULATIONS

(IRRIGATION)

11 IRRIGATION DATE

APR 02 11.5 0.23 PER
/week from 1/11/2011

WATER AMOUNT PLANTED DURING 0.02 PER/ACRES

12 TO YES ADDITIONAL WATER USE FROM FIELD AND ATTACHMENTS Y/ N/ ALL

13 IRRIGATION CONSUMPTIVE USE

PLANTED CONSUMPTIVE USE = 57.5 AP/A

APR 02 11.5 2.5 =

TOTAL CONSUMPTIVE USE 29 AP/A

14 IRRIGATION DIRECTION UNITIME

PLANTED DIRECTION UNITIME = AP/A

APR 02 11.5 2.5 =

TOTAL DIRECTION UNITIME AP/A

15 CALCULATIONS FOR USES OTHER THAN IRRIGATION:

USE ATTACHED SUPPLY Y/ N/

REMARKS: (Include calculations for CONSUMPTIVE USE for combined periods)

Hubble Analysis indicate 1.25 cfs div. rate could be justified. Ditch loss estimate indicates another 1 to 2 cfs may be required

MICROFILMED
100-011601

DECONTAMINATION:

DECONTAMINATION BY: *Immigration*

DECONTAMINATION PERIOD FROM TO

4/15 10/15

DECONTAMINATION DATE OFC

1.0

DECONTAMINATION DATE OFC

N/A

DECONTAMINATION DATE OFC

29

DECONTAMINATION BY: *Immigration*

DECONTAMINATION BY: *Immigration*

DATE: *8/15/94*

As Claimed

MICROFILMED

[illegible]

APPROVED
AS PLANNED
()
()
()

MEETING
REPUTATION
()
()
()

ВСТУП

77-10000
MILWAUKEE
MAY 22 1967

75501

EXPLANATION

ATTN: DIRECTOR, FBI, 400

CPD

APR 1968

ПРЕДСТАВЛЕНИЕ

THESE
DATE

СТАТЬИ И МА-

27 11 1970

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

[illegible]

477-10889

7.000

L

777777 777777

7-0000

ПРИЛОЖЕНИЕ ВАНЕ

754754

РПЦ
БНАБ

 $\frac{1}{4}$

2010/05/26

ADDRESS ONLY
STANDARD FORM NO. 64
NAME OF PERSON EVALUATED: ROBERT WORSTELL
ROBERT WORSTELL

2/15/94
Sr. Adj. Agent

MICROFILMED
NOV 01 1994

$$Y_1 \wedge \cdots \wedge Y_n$$

Q. 1.26/2/17/94

RECEIVED BY DIRECTOR

USGS topog Map - "Fat's Creek" Quadrangle 1989 Provisional #4.4

RECEIVED
JUN 1 1994

20110111
20110111

$$C^{\infty}(\mathbb{R}^n) \rightarrow C^{\infty}(\mathbb{R}^n)$$
[illegible]

250

11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847

NOV 01 1934
MICROFILMED

POOR ORIGINAL

Ownership
Boundaries

72-10409

3.5 ac

8.0 ac

ditch

5⁴
8⁹

4³
9¹⁰

T14N
R19E

8⁹
17¹⁶

9¹⁰
16¹⁵

CLAIM 72-10409 INIT RVW
T. R. S. Q/Q
P/D 14N 19E 8⁹ SWNWNE
PHOTO BLM 24 ID-88AC
DT.&ID. 7/16/88 10-9C-7

Enlarged Copy of
Part of BLM Photo

7-16-88

BLM

241

POOR ORIGINAL

POOR ORIGINAL

MICROFILMED

NOV 01 1994

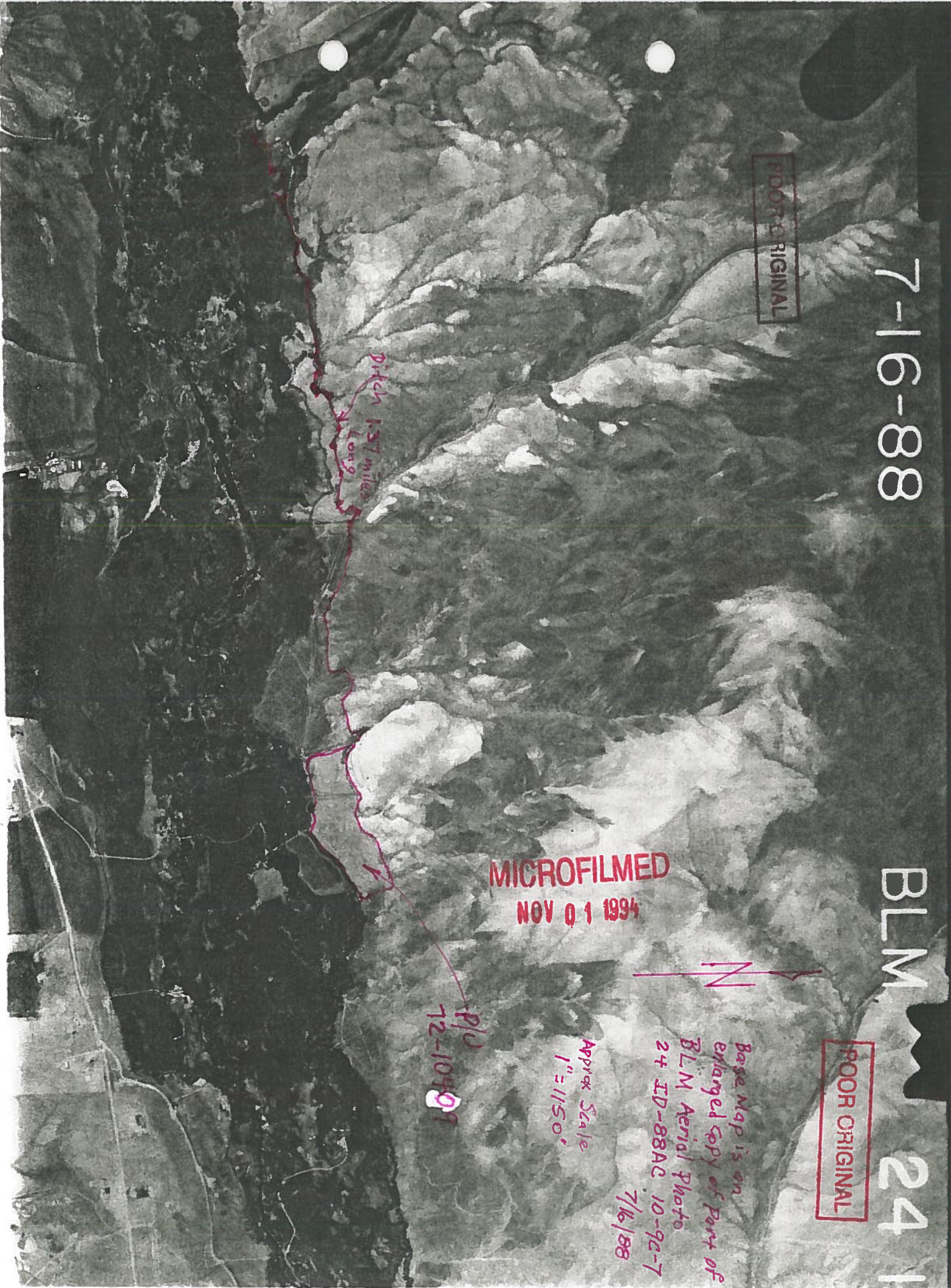


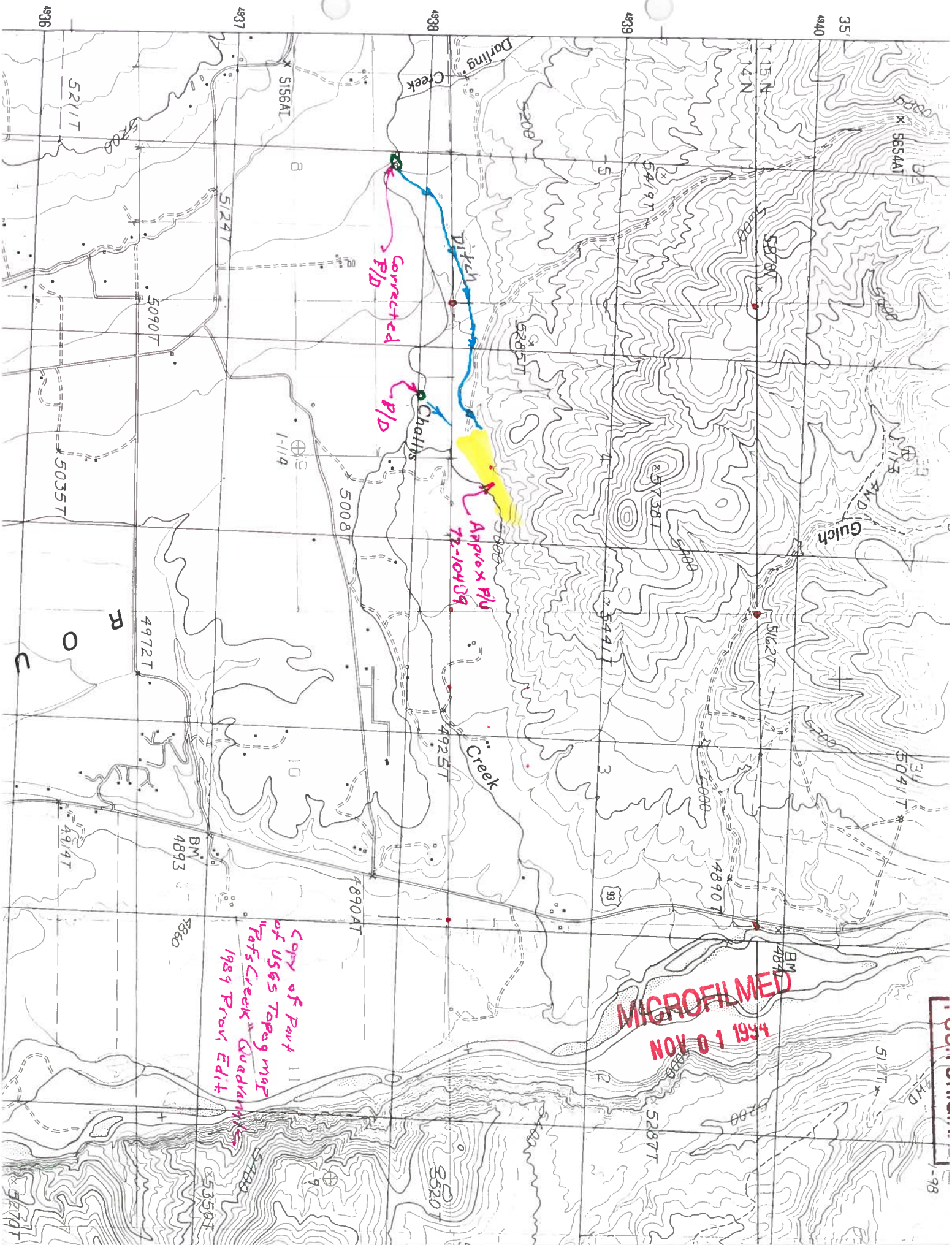
Base Map is an
enlarged copy of part of
BLM Aerial Photo
24 ID-88AC 10-92-7
7/16/88

Approx Scale
1" = 1150'

P/C
72-10409

Ditch 1.37 miles
long





Copy of Part 11
of USGS Topog map
"Pots Creek" Quadrangle
1989 Rev Ed. 4

MICROFILMED
NOV 01 1994

GRADED BORDER EVALUATION

Job name: 72-104¹⁰⁴⁰⁹~~89~~
By: RVW

Location: ATC SOIL 11.5 ACRES
Date: Feb 9, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0550 ft/ft Border width (W)= 62 ft
Net application (Fn)= 1.91 inches Border length (L)= 300 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 |
|-----------------------------|---|------------------------------|-----------------------------|----------------|--|------|
| 1.19 | Gross depth is less than required gross application depth | | | | | |
| 1.20 | Gross depth is less than required gross application depth | | | | | |
| 1.21 | Gross depth is less than required gross application depth | | | | | |
| 61" 1.22 | 0.020 | 22.67 | 20.64 | 0.12 | 8.4 | (2) |
| 1.23 | 0.020 | 22.85 | 20.64 | 0.30 | 8.4 | (2) |
| 1.24 | 0.020 | 23.04 | 20.64 | 0.49 | 8.3 | (2) |
| 1.25 | 0.020 | 23.23 | 20.64 | 0.67 | 8.2 | (2) |
| 1.26 | 0.020 | 23.41 | 20.64 | 0.86 | 8.2 | (2) |
| 1.27 | 0.020 | 23.60 | 20.64 | 1.05 | 8.1 | (2) |
| 1.28 | 0.021 | 23.78 | 20.64 | 1.23 | 8.0 | (2) |
| 1.29 | 0.021 | 23.97 | 20.64 | 1.42 | 8.0 | (2) |
| 65" 1.30 | 0.021 | 24.15 | 20.64 | 1.60 | 7.9 | (2) |

(2) Erosive stream-- non-sod forming crops.

HUBBLE ANALYSIS

CLAIM NO. --- 72-10409
AGENT ----- RVW
DATE ----- 02/09/94

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

SOIL CHARACTERISTICS

Soil Type = ATC - SPRABAT, 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 | 5 | 0.09 | 0.12 | 7.9 | 8.4 | 0.5 | | 1 | 1.29 | 3 | 0.7 |
| 5 | 7 | 0.11 | 0.13 | 7.9 | 8.4 | | | 2 | 1.40 | | |
| 7 | 41 | 0.09 | 0.12 | 7.4 | 9 | | | 3 | 3.81 | | |
| 41 | 53 | 0.04 | 0.06 | 7.4 | 8.4 | | | 4 | 4.69 | alternate | |
| 53 | 60 | 0.09 | 0.13 | 8.5 | 9 | | | 5 | 5.71 | method | |
| | | | | | | | | | | NA | NA |

Management Allowed Deficit (MAD)

| crop | root
depth
(ft) | stress
point (INCHES) | MAD |
|--------------------------|-----------------------|--------------------------|------|
| alfalfa (hay or seed) | 5 | 0.5 | 2.85 |
| corn (field or silage) | 4 | 0.5 | 2.34 |
| grain (winter or spring) | 4 | 0.5 | 2.34 |
| pasture (or grass hay) | 3 | 0.5 | 1.91 |
| other (enter below) | | | |

FIELD NOTES AND CALCULATIONS

| | FIELD 1 | FIELD 2 | FIELD 3 | FIELD 4 |
|--|----------|---------|---------|---------|
| FIELD WIDTH | 1672 | 0 | | |
| IRRIGATION DAYS | 9 | | | |
| DRY DAYS | 0 | | | |
| SET TIME(hours) | 8 | | | |
| CALCULATED RUN (run = acres*43560/width) | | | | |
| RUN = | 300 | | | |
| CALCULATED BORDER WIDTH (ditch length/irr days * cha | | | | |
| WIDTH = | 62 | | | |
| THEORETICAL ROTATION (mad/net irr req in inches per | | | | |
| SELECTED MAD = | 1.91 | | | |
| ROTATION = | 8.3 DAYS | | | |

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
Figure No = 10-15

| crop | acres | system | recomm.
eff. | mar | Net Irrigation Requirement (mm/day) | apr | may | jun | jul | aug | sep | oct |
|---------|-------|--------|-----------------|-----|-------------------------------------|------|------|------|------|------|------|-----|
| PASTURE | 11.5 | FLOOD | 12.7 | | 1.47 | 3.84 | 4.87 | 5.86 | 4.56 | 3.23 | 2.07 | |
| ALFALFA | | FLOOD | 12.7 | | 1.28 | 4.51 | 5.65 | 6.25 | 4.45 | 2.52 | 0.7 | |

Summary 11.5 13 1.47 3.84 4.87 5.86 4.56 3.23 2.07

Peak Net Irrigation Requirement (mm/day) = 5.86

HUBBLE ANALYSIS

Program Operation based upon

"GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"

HUBBLE ENGINEERING INC. OCTOBER 1991

Soil Characteristics based upon

SOIL CONSERVATION SERVICE STUDIES

Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

GRADED BORDER EVALUATION

Job name: 72-10409
By: RVW

Location: ATC SOIL 11.5 ACRES
Date: Feb 9, 1994

Roughness coefficient (n) = 0.250 Intake family (If) = 3.00
Slope (S) = 0.0550 ft/ft Border width (W) = 62 ft
Net application (Fn) = 1.91 inches Border length (L) = 300 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 |
|-----------------------------|---|------------------------------|-----------------------------|----------------|--|------|
| 1.19 | Gross depth is less than required gross application depth | | | | | |
| 1.20 | Gross depth is less than required gross application depth | | | | | |
| 1.21 | Gross depth is less than required gross application depth | | | | | |
| 1.22 | 0.020 | 22.67 | 20.64 | 0.12 | 8.4 | (2) |
| 1.23 | 0.020 | 22.85 | 20.64 | 0.30 | 8.4 | (2) |
| 1.24 | 0.020 | 23.04 | 20.64 | 0.49 | 8.3 | (2) |
| 1.25 | 0.020 | 23.23 | 20.64 | 0.67 | 8.2 | (2) |
| 1.26 | 0.020 | 23.41 | 20.64 | 0.86 | 8.2 | (2) |
| 1.27 | 0.020 | 23.60 | 20.64 | 1.05 | 8.1 | (2) |
| 1.28 | 0.021 | 23.78 | 20.64 | 1.23 | 8.0 | (2) |
| 1.29 | 0.021 | 23.97 | 20.64 | 1.42 | 8.0 | (2) |
| 1.30 | 0.021 | 24.15 | 20.64 | 1.60 | 7.9 | (2) |

(2) Erosive stream-- non-sod forming crops.

$$\begin{aligned} &1.00 \\ &- 0.22 \text{ cfs for } 11.5 \text{ ac} @ .02 \text{ cfs/ac} \\ &\hline &0.77 \text{ cfs for Ditch Loss or } 1.54 \text{ ac ft/day} \end{aligned}$$

$$0.562 \text{ cfs/mi or } 1.1241 \text{ ac ft/day/mile}$$

$$0.83 \times \frac{3}{5} \approx 0.5 \text{ ac if ditch is } 3' \text{ wide rather than } 5'$$

$$\frac{1.54 \text{ ac ft/day}}{0.5 \text{ ac}} = 3.08 \text{ ft/day ditch loss}$$

C'caching
Assumed ditch loss

Assumed Area



$$A = \frac{4+1}{2} \times 0.75 = 1.875$$

$$V = \frac{Q}{A} = \frac{1}{1.875} = 0.53 \text{ ft/s}$$

PW =

$$\sqrt{(0.5^2 + 6.5^2)} = \sqrt{2.25 + 42.25} = 6.5$$

$$PW = 2(1.58) + 1 = 4.16'$$

$$Dist = ((3.4 + 2.1) \cdot 1.15) 992.5 \approx 6,277' \text{ Approx Length}$$

$$4.16 \times 6,277' = 26,114.16' \text{ Approx wetted Area}$$

$$26,114.16' \times 2 \text{ ft/day} = 52,228 \text{ ft}^2/\text{day}$$

$$\frac{52,228}{24 \times 60 \times 60} = 0.604 \text{ cfs}$$

R/VW
1122/93

Ditch Loss

$$\frac{1.37 \times 5280 \times 5' \text{ Top width}}{43560 \text{ sq/ac}} = 0.83 \text{ ac}$$

Assume of 5 ft/day
Avg. Loss of 5 ft/day

$$5 \times 0.83 \text{ ac} = 4.15 \text{ ac ft/day}$$

$$1 \text{ cfs} = 2 \text{ ac ft/day}$$

$$Loss = \frac{4.15 \text{ ac ft/day}}{2 \text{ ac ft/day/cfs}} = 2.07 \text{ cfs}$$