

FEB 08 1994

Department of Water Resources
Southern Region Office

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: A71-00033A
Date Received: 11/30/1989
Receipt No: C013118
Received By:

AMENDED

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

AMENDED

1. Name: MARY J MITCHELL 208-939-0707
Address: 10502 JAY ROAD
BOISE ID 83703

OR

Name: JAMES B MITCHELL 208-939-0707
Address: 10502 JAY ROAD
BOISE ID 83703

2. Date of Priority: MAY 21, 1918

3. Source: FOURTH OF JULY CREEK Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
08N	14E	12	SW	NE	NE		CUSTER

5. Description of diverting works:
WEIR, DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/15	11/15	0.270		

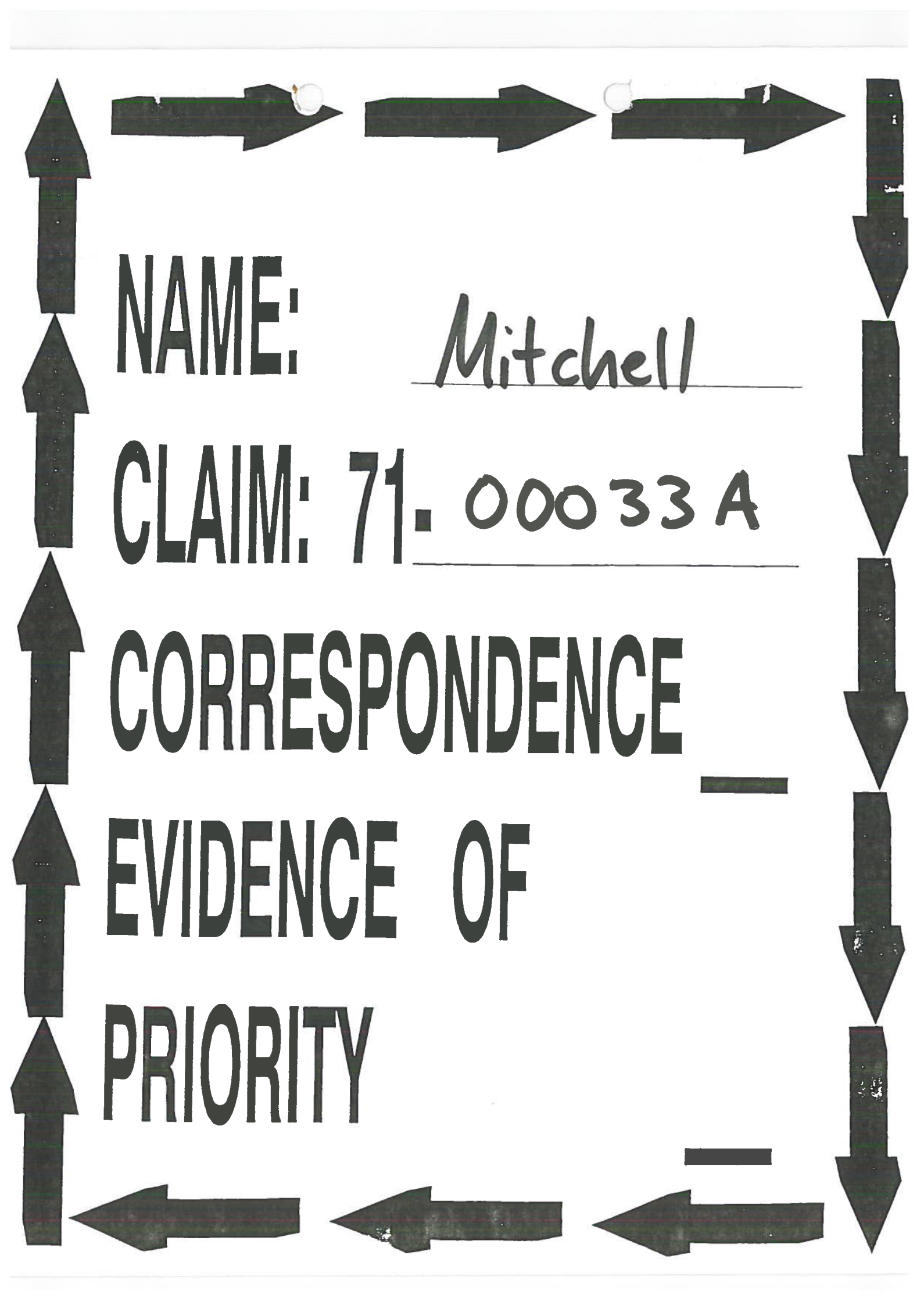
7. Total Quantity Appropriated is:
0.270 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 21.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
08N	14E	9	SE	NE		IRR	10.5



NAME:

Mitchell

CLAIM: 71- 00033 A

CORRESPONDENCE

EVIDENCE OF

PRIORITY

RECEIVED

FEB 08 1994

Department of Water Resources
Southern Region Office

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
OF RIGH
THE SNA

CIVIL CASE NUMBER: 39576

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AM

TO A WATER RIGHT
ER STATE LAW

AMENDED

1. Na
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208-939-0707

83703

Ni
A

208-939-0707

83703

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3. Source: FOURTH OF JULY CREEK Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
08N	14E	12	SW	NE	NE		CUSTER

5. Description of diverting works:
WEIR, DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/15	11/15	0.270		

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

A.F.A.

8. Total consumptive use is 21.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
08N	14E	9	SE	NE		IRR	10.5

10. Place of Use: Continued

Section Acres 10.5

Total Acres 10.5

11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:
NONE

14. Remarks:
THIS CLAIM IS FOR A PORTION OF WR 71-00033.

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date: / /

DAN J. CAVANAGH
Decree Plaintiff

WM. MERRITT, ET AL.
vs Decree 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 X 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):

James D. Hatcher
Mary J. Hatcher

Date: 2-9-94

Date: 2-9-94

State of Idaho)
County of ADA) SS.

Subscribed and sworn (or affirmed) before me this 7TH day
of FEB 19 94

Robb Lewis
Notary Public

Seal

Residing at Bona, Id
My Commission Expires 5-15-94



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

02-Feb-1994

James B Mitchell
10502 Jay Road
Boise, ID 83703

Dear Mr. Mitchell:

As we discussed in our phone conversation today it appears from my preliminary review of your land that it has enjoyed more water and requires more water than you originally claimed undered A71-00033A. As we discussed before I can recommend more water you will have to amend your claim.

I have drafted an amendment as we discussed to increase your claimed amount. Please look this draft over carefully and make any changes you wish in pen and initial. Once you get it how you want it please sign it before a notary and return it as soon as possible.

If you have questions please feel free to contact me at my office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Allen D. Merritt'. The signature is fluid and cursive, written over the printed name.

Allen D. Merritt, P.E.
Water Rights Supervisor

Encl:

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

RECEIVED

DEC 26 1989

Ident. Number: A71-00033A
Date Received: 11-30-89
Receipt No: 0011813118
Received By: hal

Department of Water Resources
Southern Region Office

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: MARY J. MITCHELL 208-939-0707
Address: 10502 JAY ROAD
BOISE, ID 83703

OR

Name: JAMES B. MITCHELL 208-939-0707
Address: 10502 JAY ROAD
BOISE, ID 83703

2. Date of Priority: MAY 21, 1918

3. Source: FOURTH OF JULY CREEK Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
08N	14E	12	SW	NE	NE		CUSTER

5. Description of diverting works:
WEIR, DITCH

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/15	11/15	0.210		

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

8. Total consumptive use is 21.0 Acre Feet Per Annum.

9. Non-irrigation uses:

A71-00033A

Page 1

Date: 11/30/89

MICROFILMED
MAR 17 1993

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
08N	14E	9	SE	NE		IRR	10.5
Section Acres							10.5
Total Acres							10.5

11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:
NONE

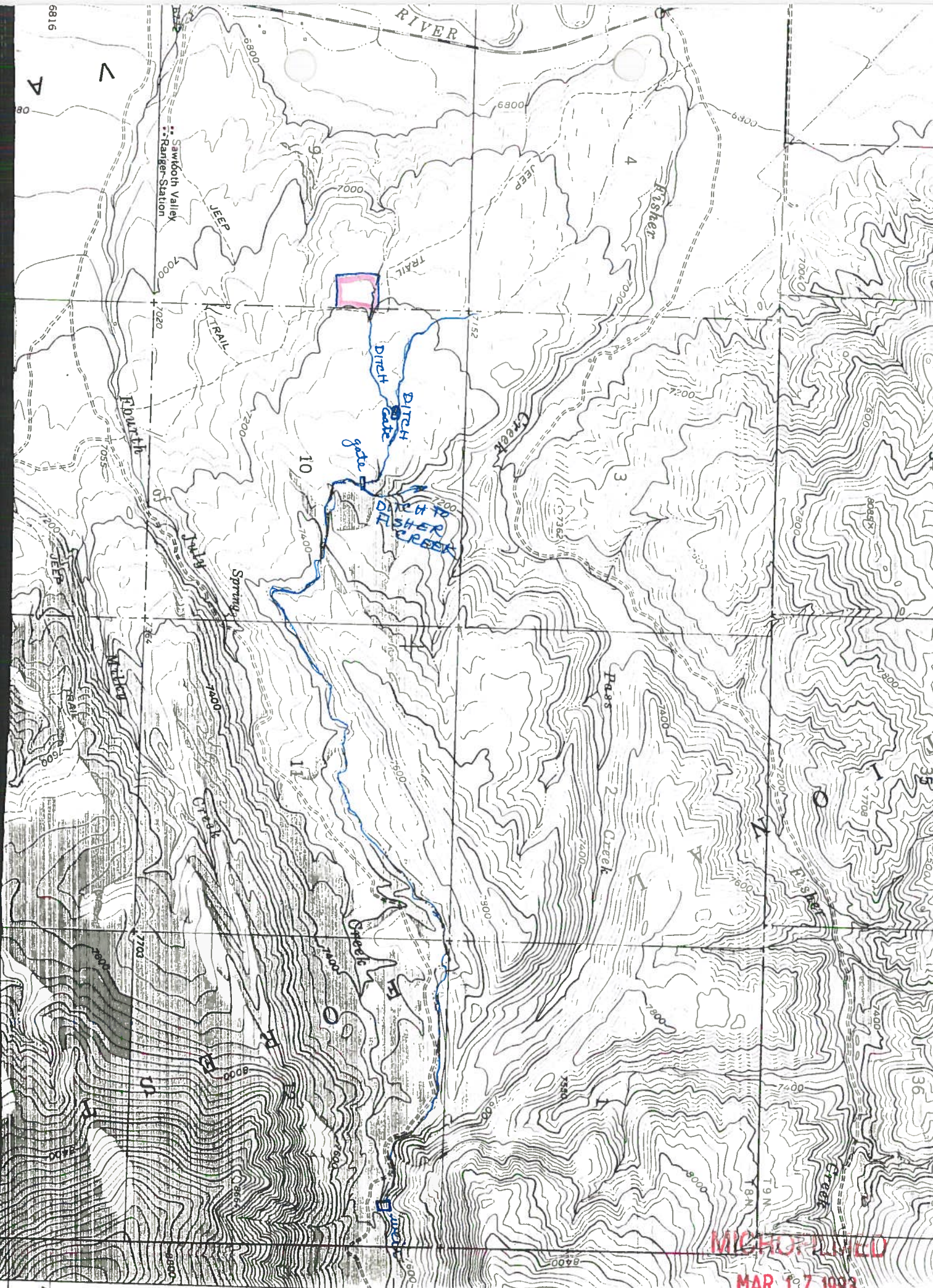
14. Remarks:

15. Basis of Claim: DECREED
Case Number:
Court :
Decree date:

DAN J. CAVANAGH
Decree Plaintiff

vs

WM. MERRITT, ET AL.
Decree Defendant



MICHOPILED

MAR 17 1993

16. Signature(s)

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

Number of attachments: 1

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): Mary J. Mitchell Date: 11-30-89

Date: _____

State of Idaho)
County of Ada) SS.

Subscribed and sworn (or affirmed) before me this 30th day
of November 19 _____

Notary Public

Seal

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

Water Right Number - R71-00033A

Prefix Translation: RESEARCH

Old (D) Number -

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

*** C - CURRENT OWNER ***
MITCHELL

MARY J

1 - 10502 JAY ROAD
2 -
3 -

State- ID Zip- 83703

MITCHELL

JAMES B

City- BOISE
Phone - 208-939-0707
1 - 10502 JAY ROAD
2 -
3 -
City- BOISE
Phone - 208-939-0707

State- ID Zip- 83703

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
05/21/1918 17 SOUTHERN D - DECREED

+ - - - - Source - - - - - + - - - - - Tributary - - - - - +
FOURTH OF JULY CREEK SALMON RIVER

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

08N 14E 12 SW NE NE (37) CUSTER

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

01 - IRRIGATION 05/01 09/30 0.230

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
0.230 0.0

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
08N	14E	9	SE NE	9.5	01	IRRIGATION	(37) CUSTER	

Total Acres: 9.5

+ - - Diversion Means - WOOD AND CONCRETE HEADGATE TO GRAVITY DITCH

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

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

POU1 USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION
OF A COMBINED TOTAL OF 9.5 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS.: 71-00033A & 71-10090.

EXP THE FOLLOWING RIGHTS ARE DIVERTED THROUGH POINT OF DIVERSION

Field Inspection Made	- 09/22/1993	Civil Case Number	- 35976
Field Inspection Flag	-	Old Case Number	-
Verified Date	- 00/00/0000	Old Judicial District	-
Last Amended Date	- 02/02/1994	Temporary Right	- P
Receipt Number	- C013118	Water District	-
POU Ownership Flag	- Y	Federal/State Indicator	- S
Name Connector	- OR	Presumption Flag	-
		Notice of Error Flag	-

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A71-00033A

00:15:58
05/27/98

LAST: MITCHELL
ADDRESS: 10502 JAY ROAD
CITY: BOISE
PHONE NUMBER: 208-939-0707

FIRST: MARY J

STATE: ID ZIP: 83703

OWNER CODE: C

LAST: MITCHELL
ADDRESS: 10502 JAY ROAD
CITY: BOISE
PHONE NUMBER: 208-939-0707

FIRST: JAMES B

STATE: ID ZIP: 83703

OWNER CODE: C

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE Y
FIELD EXAMINER Y() N()

CLAIM REMARKS: GEN THIS CLAIM IS FOR A PORTION OF WR 71-00033.

FIELD EXAMINATION INFORMATION

CONTACT PERSON: Mary & James Mitchell
DATE OF FIELD EXAM: 6/20/93
ACCOMPANIED BY: None
RELATIONSHIP TO CLAIMANT: _____
DIRECTIONS TO PROPERTY / NOTES: _____

A. AJ CLAIM: # A71-00033A	PRIORITY DATE: 05-21-1918	STAGE: D
B. WR RECORD: # 71-00033	PRIORITY DATE: 05-21-1918	STAGE: D
C. CAN THE PRIORITY DATE CLAIMED BE CONFIRMED BY A DECREE OR LICENSE?		Y(☒) N(☐)
D. HAS THERE BEEN A LATER COURT DECREE OF THE WATER RIGHT(S) FROM THIS WATER SOURCE?		Y(☐) N(☒)
E. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE? (IF YES, DESCRIBE BELOW)		Y(☐) N(☒)
F. IF THIS CLAIM IS BASED ON A PERMIT, WHERE IS THE PERMIT IN THE LICENSING PROCESS?		
PROOF OF BENEFICIAL USE SUBMITTED		N/A(☒) Y(☐) N(☐)
FIELD EXAM COMPLETED		N/A(☒) Y(☐) N(☐)
FIELD EXAM SENT TO STATE OFFICE		N/A(☒) Y(☐) N(☐)
LICENSE ISSUED		N/A(☒) Y(☐) N(☐)
* IF THE PERMIT WILL NOT BE LICENSED PRIOR TO THE DIRECTOR'S REPORT, USE CONDITION CODE A01 AND RECOMMEND AS PERMITTED.		
G. IF THIS CLAIM IS BASED ON BENEFICIAL USE, IS ADDITIONAL EVIDENCE OF THE PRIORITY DATE REQUIRED?		N/A(☒) Y(☐) N(☐)
* FOR CLAIMS BASED ON BENEFICIAL USE, DESCRIBE THE EVIDENCE OF PRIORITY SUBMITTED, INCLUDING THE ANALYSIS OF THE EVIDENCE.		
H. IS THE STAGE OF THE CLAIM CODED CORRECTLY?		Y(☐) N(☒)

NOTES:

RECOMMENDED PRIORITY DATE:

05-21-1918

REVIEWED BY

AD

DATE

5/28/98

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP. RGE.	SEC.	1/4	1/4	1/4	1/4	LOT	FLAG	COUNTY	DIVERSION NAME	DIVERSION NUMBER
A71-00033A	08N	14E	12	SW	NE	NE				CUSTER	

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX R PREFIX **

MR RECORDS IN SAME 40 ACRE TRACT

71-00034
71-00035
71-00036
71-00037

* 22 A PREFIX CLAIMS WITH THIS POD
** 14 R PREFIX CLAIMS WITH THIS POD

SOURCE: FOURTH OF JULY CREEK

TRIB: SALMON RIVER

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP. RGE.	SEC.	1/4	1/4	1/4	1/4	LOT	FLAG	COUNTY	DIVERSION NAME	DIVERSION NUMBER
71-00033	08N	14E	12	NE	NE	NE				CUSTER	

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

71-00034
71-00035
71-00036
71-00037
***** 22 A PREFIX CLAIMS IN SAME 40 ACRE TRA
***** 14 R PREFIX CLAIMS WITH THIS POD

SOURCE: FOURTH OF JULY CREEK

TRIB: SALMON RIVER

C. IS THE CLAIMED POD WITHIN THE SAME 40 ACRE TRACT THAT IS DESCRIBED IN THE WATER RIGHT FILE? N/A() Y() N()

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN POD, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

D. CAN THE CLAIMED POD BE VERIFIED USING THE WATER RIGHT FILE OR GPS DATA?

E. SHOULD THE CLAIMED POD BE VERIFIED BY FIELD EXAM?

N/A() Y() N()
Y() N()

A. ROOT WATER RIGHT NUMBERS:

A71-00033A	A71-00033B
A71-00033C	
A71-00033D	
R71-00033A	
R71-00033B	
R71-00033C	
R71-00033D	
A71-00033E	

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
08N	14E	9	SE	NE		MITCHELL, MARY J	A71-00033A / 10.5	-	/		23.0
			SE	NE		STAHL TRUST, SHARLENE K	R71-00033C / 12.7	-	/		
			SE	NE		STAHL TRUST, SHARLENE K	R71-00034E / 12.7	-	/		
			SE	NE		MITCHELL, MARY J	A71-10090 /	-	/		
			SE	NE		STAHL TRUST, SHARLENE K	A71-00033C / 13.0	-	/		
			SE	NE		MITCHELL, MARY J	71-10090 /	-	/		
			SE	NE		MITCHELL, MARY J	R71-00033A / 10.5	-	/		
			SE	NE		BRANIFF, MARGARET L	A71-00033E / 8.0	-	/		
			SE	NE		BRANIFF, MARGARET L	A71-00034G / 8.0	-	/		
			SE	NE		MC VEY, GEYER M.	71-00033 /	-	/		

ADDITIONAL POU FOUND

TOTAL ACRES	A71-00033A	10.50	23.00
POU COUNTRY: CUSTER			

C. IS WATER USAGE FOUND IN TRACTS OTHER THAN THOSE CLAIMED?

Y() N()

* IF YES, ARE THESE TRACTS LISTED ABOVE (), OR ARE THEY LISTED ON AN ATTACHED SHEET ()

LIST OF ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A71-00033A	FOURTH OF JULY CREEK	MITCHELL, MARY J	0.270	0.025		
R71-00033A	FOURTH OF JULY CREEK	MITCHELL, MARY J	0.270	0.025		
R71-00033C	FOURTH OF JULY CREEK	STAHL TRUST, SHARLENE K	0.510	0.021		
A71-00033C	FOURTH OF JULY CREEK	STAHL TRUST, SHARLENE K	0.510	0.031		
A71-00033E	FOURTH OF JULY CREEK	BRANIFF, MARGARET L	0.260	0.032		
R71-00034E	FOURTH OF JULY CREEK	STAHL TRUST, SHARLENE K	0.310	0.012		
A71-00034G	FOURTH OF JULY CREEK	BRANIFF, MARGARET L	0.260	0.032		

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A71-10090	DOMESTIC	MITCHELL, MARY J	FROM 01-01 TO 12-31	0.080 CFS	
71-10090	DOMESTIC	MITCHELL, MARY J	FROM 01-01 TO 12-31	0.080 CFS	
A71-00033E	STOCKWATER	BRANIFF, MARGARET L	FROM 05-01 TO 09-30	0.020 CFS	
A71-00034G	STOCKWATER	BRANIFF, MARGARET L	FROM 05-01 TO 09-30	0.020 CFS	

D. ARE OTHER WATER RIGHTS USED FOR THE SAME PURPOSE?

Y() N()

* IF YES, COMPLETE OVERLAP REVIEW:

OTHER RIGHTS LISTED IN CLAIM: NONE

E. IS THE CLAIMED POU THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y() N()

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN POU, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

F. CAN THE CLAIMED POU BE VERIFIED USING THE WATER RIGHT FILE AND AVAILABLE AERIAL PHOTOS?

N/A() Y() N()

G. SHOULD THE CLAIMED POU BE VERIFIED BY FIELD EXAM?

Y() N()

H. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE OF THIS RIGHT, OR ANY PORTION OF THIS RIGHT?

Y() N()

Overlap

Not

A. AJ CLAIMED USES:

PURPOSE OF USE	PERIOD OF USE (MONTH/DAY)	DIV. RATE FOR EACH USE	DIV. VOL. FOR EACH USE
A71-00033A IRRIGATION	FROM 04-15 TO 11-15	0.270 CFS	
TOTAL DIVERSION RATE/VOLUME		0.270 CFS	

B. WR RECORDED USES:

PURPOSE OF USE	PERIOD OF USE (MONTH/DAY)	DIV. RATE FOR EACH USE	DIV. VOL. FOR EACH USE
71-00033 IRRIGATION	FROM TO	0.900 CFS	
TOTAL DIVERSION RATE/VOLUME		0.900 CFS	

C. DOES THE CLAIMED PURPOSE OF USE CORRECTLY DESCRIBE THE WATER USE?

Y() N()

D. IS THE CLAIMED PURPOSE OF USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y() N()

* IF NO, AND IF THE ACTUAL WATER USE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN PURPOSE OF USE, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

E. SHOULD THE CLAIMED PURPOSE OF USE BE VERIFIED BY FIELD EXAM?

Y() N()

F. DOES THE CLAIMED PERIOD OF USE CONFORM TO IDWR STANDARDS?

Y() N()

G. SHOULD THE PERIOD OF USE BE RECOMMENDED TO IDWR STANDARDS?

Y() N()

* IF THE RECOMMENDED PERIOD OF USE IS DIFFERENT THAN IDWR STANDARDS, EXPLAIN IN NOTES BELOW.

H. IS THE CLAIMED DIVERSION RATE FOR EACH USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y() N()

* IF NO, DESCRIBE IN NOTES BELOW HOW THE RECOMMENDED DIVERSION RATE FOR EACH USE WAS DETERMINED.

I. SHOULD THE CLAIMED DIVERSION RATE FOR EACH USE BE VERIFIED BY FIELD EXAM?

N/A() Y() N()

J. IS THE CLAIMED DIVERSION VOLUME FOR EACH USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y() N()

* IF NO, DESCRIBE IN NOTES BELOW HOW THE RECOMMENDED DIVERSION VOLUME FOR EACH USE WAS DETERMINED.

K. SHOULD THE CLAIMED DIVERSION VOLUME FOR EACH USE BE VERIFIED BY FIELD EXAM?

N/A() Y() N()

NOTES: _____

AJ CLAIM TOTAL DIVERSION RATE: 0.270 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 0.900 CFS

- A. IS THE CLAIMED TOTAL DIVERSION RATE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE? ☒ N/A() Y() N()
B. CAN THE CLAIMED TOTAL DIVERSION RATE BE VERIFIED USING THE WATER RIGHT FILE? ☒ N/A() Y() N()

* ALL CLAIMS BASED ON BENEFICIAL USE (INCLUDING POSTED NOTICES AND STATUTORY CLAIMS) REQUIRE A FLOW MEASUREMENT.

- C. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE OF THIS RIGHT, OR ANY PORTION OF THE DIVERSION RATE? ☒ Y() N()

* IF AN AMOUNT SMALLER THAN THE ORIGINAL DIVERSION RATE IS CLAIMED AND A FIELD EXAM IS NOT REQUIRED, EXPLAIN IN NOTES.

- D. SHOULD THE CLAIMED DIVERSION RATE BE VERIFIED BY FIELD EXAM? ☒ Y() N()

E. MEASUREMENT METHOD FA meter FLOW MEASUREMENT
SEE ATTACHED CALCULATIONS.

F. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE ☒ X 0.02 CFS/ACRE = CFS
ACRES (taken from pou review)

IS A DIVERSION RATE PER ACRE GREATER THAN 0.02 CFS/ACRE CLAIMED? ☒ Y() N()

IF YES, IS AN ADDITIONAL WATER USE FORM FILED AND ATTACHED? ☒ Y() N()

2. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES X DIVERSION VOL. AF/A FOR AREA =

TOTAL DIVERSION VOLUME AF/A

3. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 21.0 AF/A

ACRES X CONSUMPTIVE VOL. AF/A FOR AREA =

TOTAL CONSUMPTIVE USE AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION: SEE BELOW () OR SEE ATTACHMENT ()

1b. CALCULATIONS

NOTES:

MR RECORD CONDITIONS/REMARKS:

RECOMMENDATIONS: CHECK HERE IF RECOMMENDED AS CLAIMED ()

REC. PURPOSE OF USE	REC. PERIOD		REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
	FROM	TO			
IRRIGATION	~~84-15~~ 5/1	~~11-15~~ 9/30	~~0.270~~ 0.23		~~21-0~~ delete
TOTAL FOR THIS RIGHT			~~0.270~~ 0.23		~~21-0~~ delete

NON-IRRIGATION USES CLAIMED:

NON-IRRIGATION USES RECOMMENDED: CHECK HERE IF RECOMMENDED AS CLAIMED ()

REVIEWED BY: AP DATE: 5/28/98

FLAG: _____

STANDARD CONDITIONS (CODE): _____

STANDARD REMARKS (CODE):

POU1 overlap with 71-10090

EXPLANATORY CONDITIONS (CODE):

EXPLANATORY REMARKS (CODE):

POD considered rts.

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 71-00033
TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
0.900

EXAMINER

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
71-00033	A71-00033A	0.270	R71-00033A	0.270	71-00033	0.900
-	A71-00033B	0.900	R71-00033B	0.050	-	-
-	A71-00033C	0.510	R71-00033C	0.510	-	-
-	A71-00033E	0.260	-	-	-	-
TOTAL CFS		1.940	0.830		0.900	

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 DESCRIBED BELOW () OR SEE ATTACHMENT ()?

FIELD EXAMINER
DATABASE N Y() N()

NOTES:

See attached
split sheet.

AUTHENTICATION:

SIGNATURE:

[Handwritten Signature]

DATE:

5/28/98

TITLE:

NAME OF FIELD EXAMINER:

MAPS AND AERIAL PHOTOGRAPHS USED TO REVIEW THIS NOTICE OF CLAIM TO A WATER RIGHT

COPY INCLUDED
IN FILE?

TYPE OF MAP OR PHOTOGRAPH (CHECK IF USED) IF USED, SUPPLY APPROPRIATE DATE AND OTHER INFORMATION

☒ ORTHOPHOTOQUAD	DATE OF PHOTO	IDMR ID NO.	Y() N()
☐ TOPOGRAPHIC	DATE FIELD CHECKED	IDMR ID NO.	Y() N()
☒ MAP	DATE OF PHOTO	IDMR ID NO.	Y() N()
☒ ASCS AERIAL PHOTO	DATE OF PHOTO		Y() N()
☐ ASCS COLOR SLIDE	DATE OF PHOTO		Y() N()
☐ BLM OR USFS AERIAL PHOTO	DATE OF PHOTO		Y() N()
☐ TOWNSHIP SURVEY (GOVERNMENT PLAT)	DATE OF SURVEY		Y() N()
☒ SCS SOIL SURVEY MAP	DATE ISSUED		Y() N()
☒ SUBDIVISION PLAT MAP	DATE OF MAP		Y() N()
☐ OTHER	DATE		Y() N()
☐ OTHER	DATE		Y() N()
☐ OTHER	DATE		Y() N()

=====

LIST OF ATTACHMENTS (CHECK IF ATTACHED)	IF ATTACHED, SUPPLY APPROPRIATE INFORMATION	NO. OF PAGES	NOTES
☐ LICENSING FIELD EXAM	DATE OF FIELD EXAM		
☐ WATER RIGHT LICENSE	DATE LICENSE SIGNED		
☐ IDMR APPROVED TRANSFER	DATE TRANSFER APPROVED		
☐ SYSTEM DESCRIPTION	DATE DRAIN		
☒ PHOTOGRAPHS	DATE(S) PHOTOS TAKEN		
☒ SPLIT RIGHT REVIEW	DATE REVIEW COMPLETED		
☒ HUBBLE ANALYSIS	DATE ANALYSIS COMPLETED		
☐ CONVEYANCE LOSS ANALYSIS	DATE ANALYSIS COMPLETED		
☒ FLOW MEASUREMENT CALCULATIONS	DATE SYSTEM MEASURED		
☐ OTHER	DATE		
☐ OTHER	DATE		

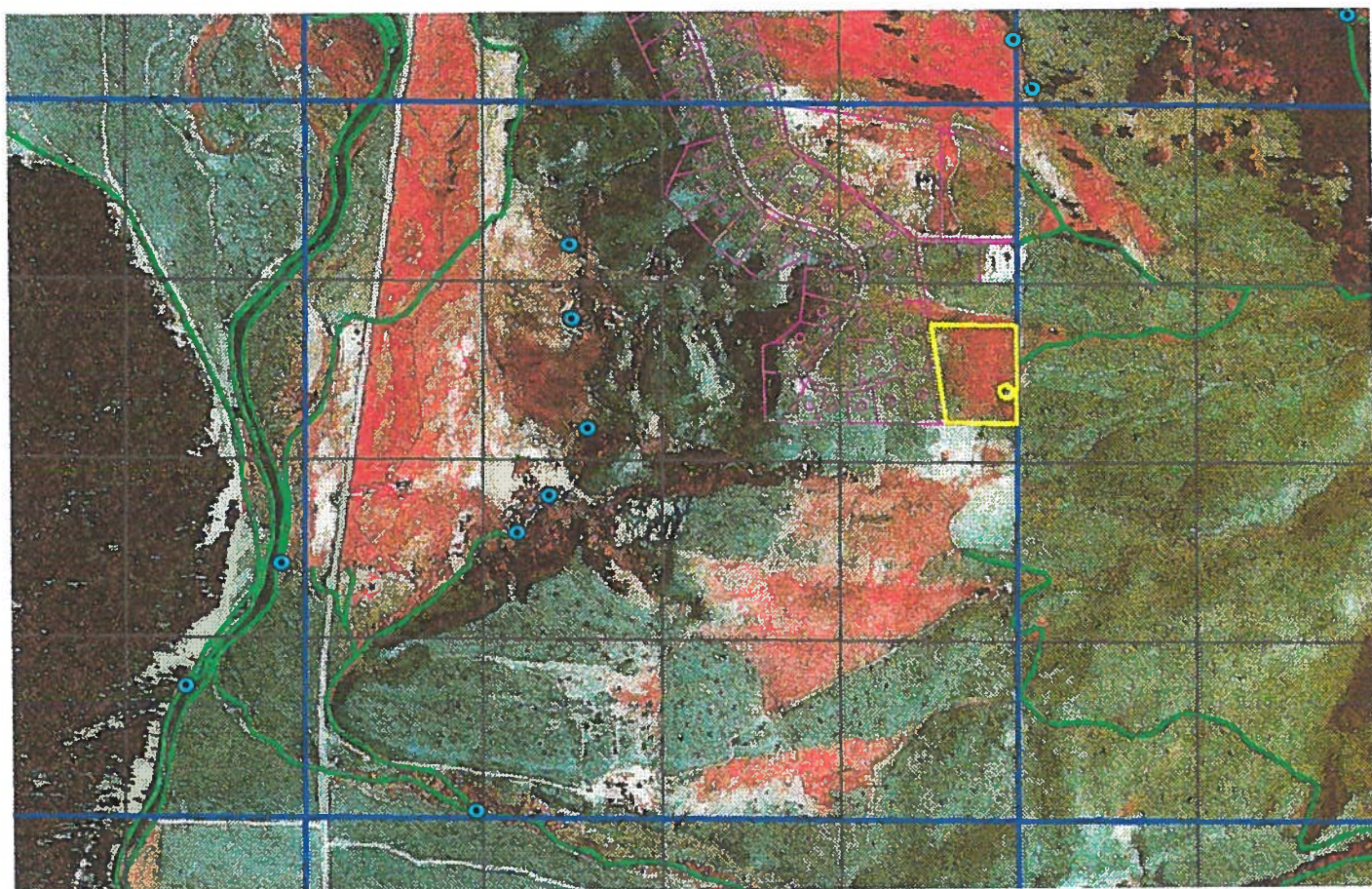
MR ELEMENT	DATA DISCREPANCY Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	ELEMENT DOCUMENTED WHOM/DATE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE								
POINT OF OIV								
SOURCE								
PLACE OF USE	Y							
DIV. AMOUNT CFS/VOLUME	Y							
CONSUMPTIVE USE	-							
PURPOSES OF USE								
PERIOD OF USE	Y							
BASIS OF CLAIM	Y							
REMARKS	Y							

BARCODE UPDATED
WHOM/DATE

AP
5/28/98

IDAHO DEPARTMENT OF WATER RESOURCES

71-00033A



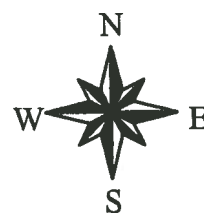
1320 0 1320 2640 Feet

POU:

TWP 08N, RGE 14E,
SEC 9

POD:

FOURTH OF JULY CREEK
TWP 08N, RGE 14E,
SWNE, SEC 12

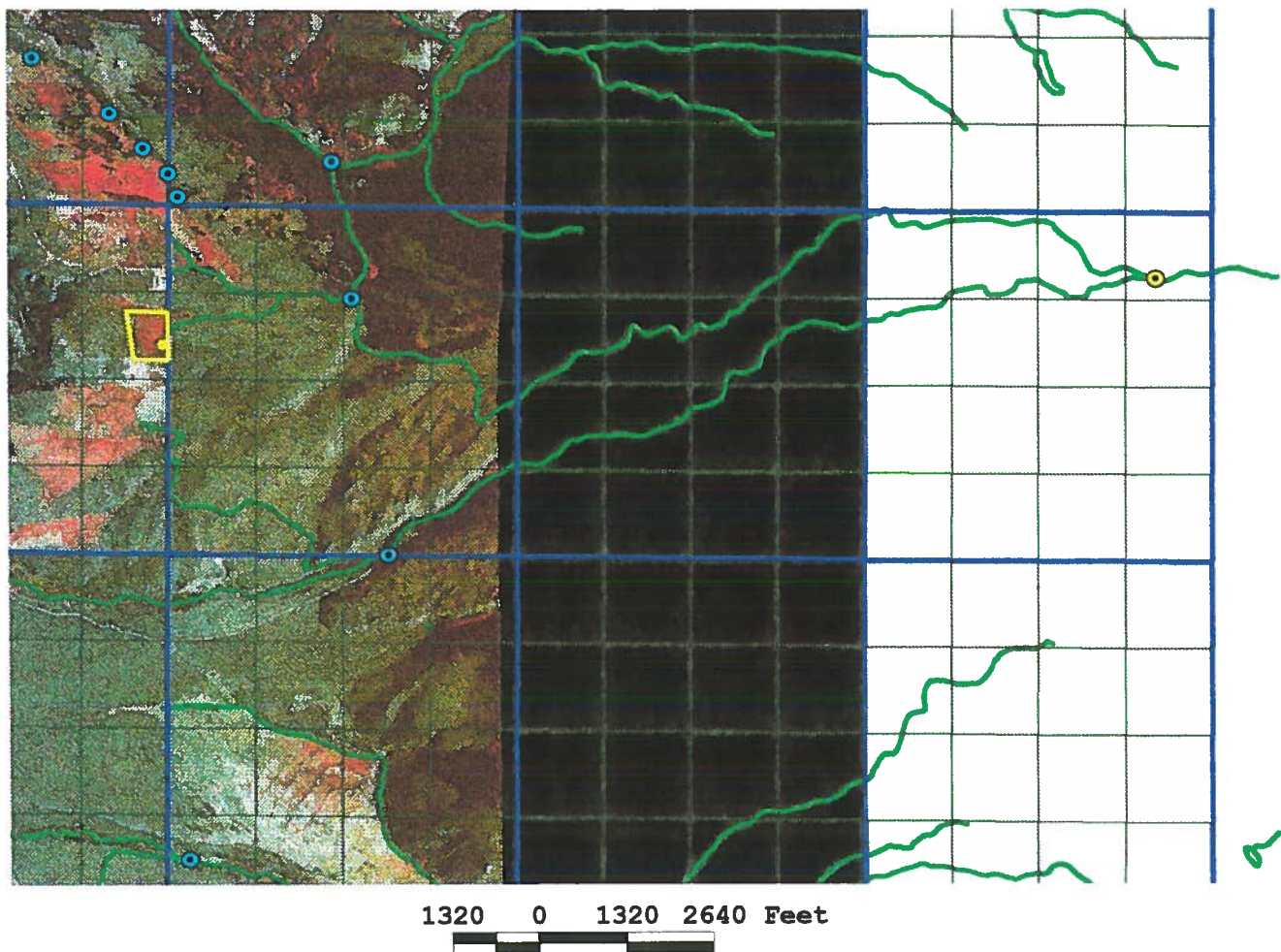


-  RECOMMENDED PLACE OF USE
-  RECOMMENDED POINT OF DIVERSION
-  SECTION LINES
-  QUARTER QUARTER LINES
-  STREAM AND DITCH CHANNELS

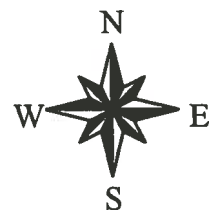
GIS PLACE OF USE PRESENTATION
1987 AND/OR 1988 NAPP PHOTOGRAPHY
DATA ENTRY MARCH 1998
BY ALLEN MERRITT

IDAHO DEPARTMENT OF WATER RESOURCES

71-00033A



POU:
TWP 08N, RGE 14E,
SEC 9
POD:
FOURTH OF JULY CREEK
TWP 08N, RGE 14E,
SWNE, SEC 12



-  RECOMMENDED PLACE OF USE
-  RECOMMENDED POINT OF DIVERSION
-  SECTION LINES
-  QUARTER QUARTER LINES
-  STREAM AND DITCH CHANNELS

GIS PLACE OF USE PRESENTATION
1987 AND/OR 1988 NAPP PHOTOGRAPHY
DATA ENTRY MARCH 1998
BY ALLEN MERRITT

71-00033A

AIM NUMBERS _____

DATE 3/29/28
 AGENT AD

TRANSFER NUMBER _____
 HOMESTEAD ENTRY NO. _____
 CLAIMED ACRE TOTAL _____
 GEOGRAPHIC INFO ACRES _____

RIGHT NO				NE				NW				SW				SE			
	TNS	RNG	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
CLAIM																			
GIS	8N	14E	9				9.5												9.5
RECOM																			
CLAIM																			
GIS																			
RECOM																			
CLAIM																			
GIS																			
RECOM																			
CLAIM																			
GIS																			
RECOM																			

B71-DBPOD.SHP 9.5

NOS DESCRIPTION

50 SW NE NE

Sec 12

B71-DBPOU.SHP

SHAPE NOS

107 9.5

DBF TABLES UPDATED

B71-DBPOD.DBF ✓

B71-DBPOU.DBF ✓

CLAIM _____ INIT _____
T. F. S. Q/Q
P/D _____
PHOTO V-70
DT.&ID. _____

Maple Shade
71-00022 Fisher
71-00029

FH 26
BM 6721 (75)

STANDARD

BM 6742

McVey
71-00030
71-00031 Fisher
71-00032
71-00033

71-00038
4th
July

Pass

00035

71-00033

71-020-14

20
Sawtooth Valley
Work Center
Whisper

Fourth of July
Spring

IDAHO DEPARTMENT OF WATER RESOURCES
EXEL PROGRAM

FOR RIGHT NO: 71-00033

BY: ADM
DATE: #####

CREATED ON 2-1-94
BY ADM & KKC
MODIFIED DATE
5/5/98 BY ADM

BASE RATE: 0.90 CFS

OWNER	CLAIMED	ACRES FOUND	FIRST SHARE	POTENTIAL SHARE OF BASE RATE	FIRST CUT	2ND ACRE	2ND SHARE	POTENTIAL SHARE OF REMAINING	SECOND CUT	PRELIM RATE	RATE PER ACRE
A71-00033A MITCHELL	0.27	9.5	24.9%	0.224		9.5	59.0%	0.230	0.230	0.230	0.024
A71-00033B HUMPHREYS	0.90	2.1	5.5%	0.050		2.1	13.0%	0.051	0.051	0.051	0.024
A71-00033C STAHL	0.51	22	57.7%	0.520	0.510					0.510	0.023
A71-00033E BRANIFF	0.26	4.5	11.8%	0.106		4.5	28.0%	0.109	0.109	0.109	0.024
SUMS	1.94	38.1	100.0%	0.900	0.510	16.1	100.0%	0.390	0.390	0.900	
		FIRST ITERATION BALANCE									
		NOT ALLOCATED ==>									
					0.390 CFS						

TOTAL POTENTIAL
ALLOCATED RATE
BEFORE HUBBLE ==> 0.900 CFS

BALANCE NOT
ALLOCATED ==> 0.000 CFS

Reduced to
16 b7 with
29 items - 1 with
Buddy

0.23
0.05
0.51
0.11
0.90

4th of July Bench Area

**REEVALUATION OF IRRIGATION RATES
BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES**

CLAIM NUMBERS _____

DATE: May 8, 1998

REVIEWED BY _____

STANLEY BASIN SOIL REVIEW								
SOIL TYPE	OPTIMUM ROTATION	BORDER EFF	BORDER CFS/AC	FURROW EFF	FURROW CFS/AC	MAD	PF	BORDER / FURROW
AM1	4.00	3.5	0.30	22.3	0.05	1.00	1.14	6.09
BG1	5.00	5.8	0.19	34.3	0.03	1.32	1.13	5.99
CNB	7.00	7.8	0.14	47.3	0.02	1.82	1.11	6.20
GO1	14.66	25.5	0.04	24.6	0.04	3.65	1.07	0.96
LA4	4.00	3.7	0.30	23.6	0.05	1.06	1.14	6.46
PY1	5.66	6.3	0.17	37.9	0.03	1.46	1.12	5.98
RD1	5.66	6.3	0.17	37.9	0.03	1.46	1.12	5.98
RP1	4.33	6.9	0.16	35.2	0.03	1.13	1.13	5.18
SN1	2.66	2.47	0.45	15.4	0.07	0.69	1.14	6.30
ST1	3.33	3.2	0.36	20.3	0.05	0.91	1.14	6.65
TN1	4.66	4.2	0.26	26.9	0.04	1.21	1.13	6.44
TP4	9.33	9.5	0.11	60.0	0.02	2.31	1.10	6.24
WG1	2.66	2.4	0.45	14.9	0.07	0.67	1.14	6.12
WV1	13.00	17.4	0.06	50.3	0.02	3.24	1.08	2.91

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.

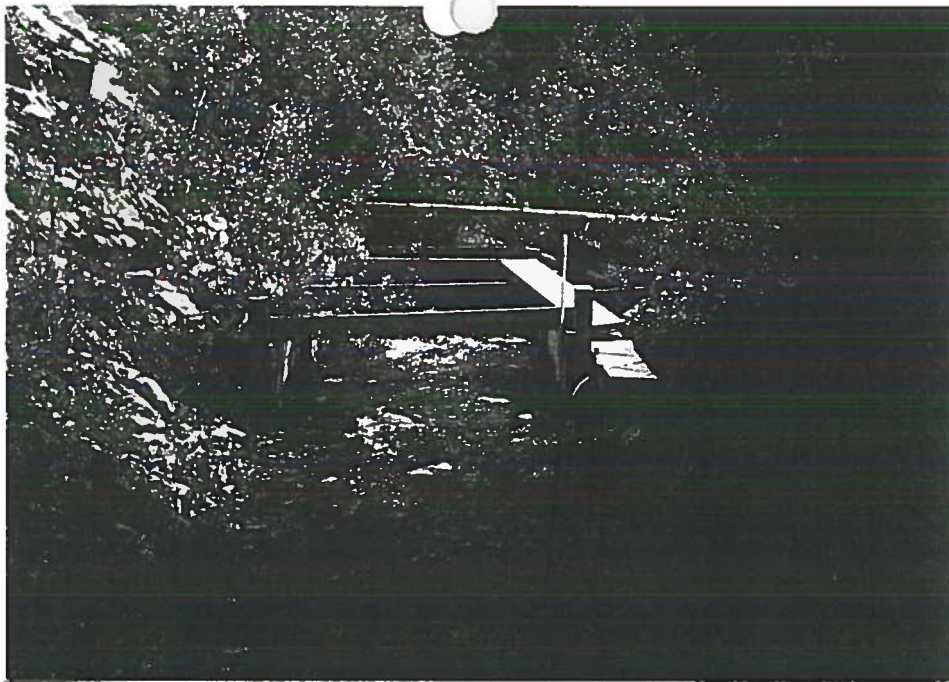
Where actual rotation is shorter than the optimal rotation, optimal rotation is the criteria to be used for the recommendation analysis and, therefore, the rotation percentage adjustment is not necessary. The rate becomes the acres per soil type times the rate per acre from the above chart.

SOIL TYPE	OPTIMAL ROTATION / (chart)	ACTUAL ROTATION / (field)	* ACRES PER SOIL TYPE (field)	* RATE PER ACRE (chart)	= TOTAL DIVERSION RATE
TP4	9.33	14	*	0.11	= 0.07 CFS/Acre
			*		= CFS
			*		= CFS

TOTAL ACRES _____

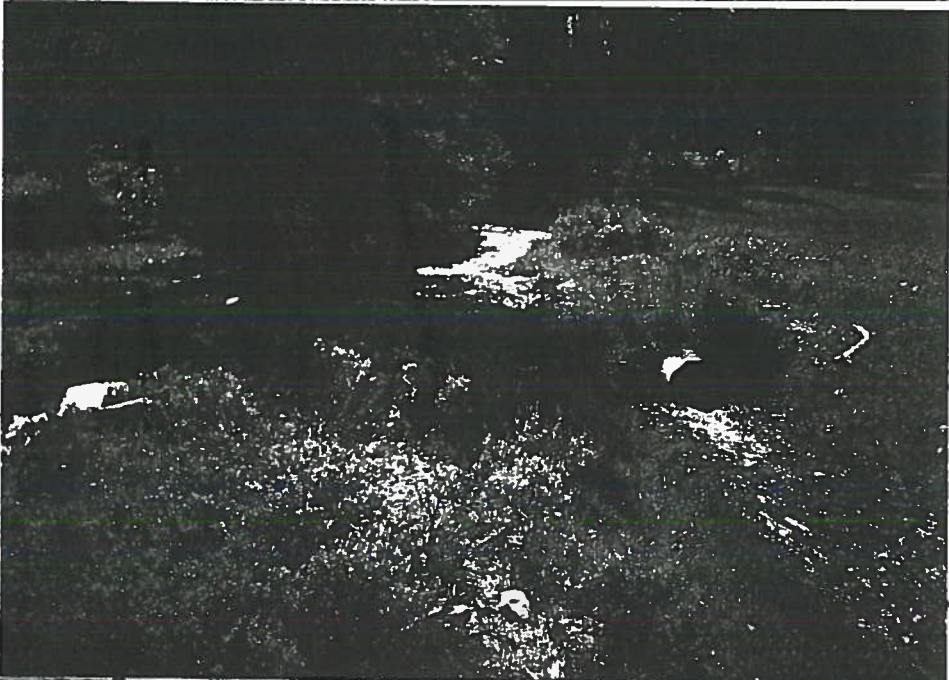
DECREED RATE = _____
CLAIMED DIVERSION RATE = _____
ORIGINAL HUBBLE RATE = _____
MEASURED DIVERSION RATE = _____

0.23
9.5 = 0.02



6/30/93
ADm

P/D on
4th of July CK



Split of c2n2/

↓ To white cloud
Area



Ditches on
Brzdy Property

6/30/93

NAME OF STREAM OR DITCH ----- FOURTH OF JULY CREEK
LOCATION ----- AT HEAD OF DITCH
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 ----- = 2

WATER RIGHT NUMBER IF APPLICABLE -----
AGENT CONDUCTING MEASUREMENT -----
ACCOMPANIED BY -----
PREMEASUREMENT SPIN TEST (MIN/SEC) ---
POST MEASUREMENT SPIN TEST (MIN/SEC) -

BRADY & OTHERS
ADM
BRADY

FOLLOWING THE LAST ENTRY IN:
"DISTANCE FROM INIT PT" ENTRY MUST = "END"

INITIAL POINT	ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	1ST MEASUREMENT REVS	VELOCITY DATA		CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
						2ND MEASUREMENT TIME/SEC	TIME/SEC			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
1.00		1.30	0.40	0.20	10	18.9		0.15	0.030	1.17		0.59	0.02
		1.70	0.45		15	26.8		0.35	0.140	1.17		1.17	0.16
		2.10	0.45		15	23.3		0.40	0.180	1.24		1.24	0.22
		2.50	0.50		15	19.7		0.40	0.180	1.42		1.42	0.26
		2.90	0.50		15	18.3		0.40	0.200	1.68		1.68	0.34
		3.30	0.50		15	19.1		0.40	0.200	1.81		1.81	0.36
		3.70	0.50		15	15.5		0.40	0.200	1.73		1.73	0.35
		4.10	0.55		15	14.7		0.40	0.220	2.13		2.13	0.43
		4.50	0.55		15	13.3		0.40	0.220	2.24		2.24	0.49
		4.90	0.55		15	14.0		0.40	0.220	2.48		2.48	0.55
		5.30	0.60		15	19.6		0.40	0.240	2.36		2.36	0.52
		5.70	0.60		10	16.0		0.40	0.240	1.69		1.69	0.41
		6.10	0.60		10	30.6		0.40	0.240	1.38		1.38	0.33
		6.50	0.65		5	27.1		0.35	0.228	0.73		0.73	0.18
		6.80	0.70		5	20.1		0.25	0.175	0.42		0.42	0.10
		7.00		0.35				0.10	0.035	0.56		0.56	0.10
END												0.28	0.01

4.80

```

NAME OF STREAM OR DITCH      FOURTH OF JULY CREEK
LOCATION -----              ABOVE SPLIT
PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW
BASIS OF VELOCITY CALLATIONS
IF YOU ARE USING A PYGM METER ENTER ----- 1

```

WATER RIGHT NUMBER IF APPLICABLE	BRADY & OTHERS
AGENT CONDUCTING MEASUREMENT	ADM
ACCOMPANIED BY	BRADY
PREMEASUREMENT SPIN TEST (MIN/SEC)	
POST MEASUREMENT SPIN TEST (MIN/SEC)	

FOLLOWING THE LAST ENTRY IN:
"DISTANCE FROM INIT PT" ENTRY MUST = "END"

[illegible]

```

NAME OF STREAM OR DITCH      FOURTH OF JULY CREEK
LOCATION -----              BELOW SPLIT BRADY FK
PURPOSE OF MEASUREMENT --    ADJUDICATION REVIEW
BASIS OF VELOCITY CALCULATIONS
IF YOU ARE USING A PGWY METER ENTER ----- 1
IF YOU ARE USING A AA METER ENTER ----- 2
ENTRY ----- =              2

```

FOLLOWING THE LAST ENTRY IN:
"DISTANCE FROM INIT PT" ENTRY MUST = "END"

[illegible]

```
IF YOU ARE USING A AA METER ENTER ----- 2
      ENTRY ----- = 2
FOLLOWING THE LAST ENTRY IN:
"DISTANCE FROM INIT PT" ENTRY MUST = "END"
```

WATER RIGHT NUMBER IF APPLICABLE -----	BRADY & OTHERS
AGENT CONDUCTING MEASUREMENT -----	ADM.
ACCOMPANIED BY -----	BRADY
PREMEASURED SPIN TEST (MIN/SEC) ---	
POST MEASUREMENT SPIN TEST (MIN/SEC) -	

[illegible]

*Penny Braniff
1510 Cantera Avenue
Santa Barbara, CA 93110
(805) 682-3018*

RECEIVED

AUG 18 1997

Department of Water Resources
Southern Region

Douglas Jones, P.E.
Idaho Department of Water Resources
1341 Fillmore Street, Ste. 200
Twin Falls, ID 83301-3380

RE: SRBA Claims for 71-00033(Part) & 71-00034(Part)

Dear Mr. Jones:

Thank you for your letter of August 4, 1997. As per your instructions I am enclosing the Notarized modified claim forms along with a check for \$208.00 for claim filing fees.

You requested the name of a contact to arrange a field visit. Here are several. I'm not sure who is the most knowledgeable or available.

Patrick Brady
1585 Richards Avenue
Idaho Falls, ID 83404
(208) 524-4038

(Pat is the President of the Shaw Mesa Property Owners and as such is coordinating the Ditch Easement work us. He lives part-time in Stanley)

Jim Mitchell
10502 Jay Road
Boise, ID 83703
(208) 939-0707 or
774-3385

(Jim is the past President and is familiar with the process. His property adjoins mine and is served by 71-00033. He also is also a part-time resident in Stanley)

Sharlene Stahl
P.O. Box 307
Stanley, ID 83278
(208) 774-2211

(Sharlene is a newer resident, but a full-time one)

If you have any questions, please call and thanks for your help!

Sincerely

Penny Braniff

Enclosures

August 12, 1997

R PROOF

X

CVR

X

MAPS

X

PHOTOS

—

MISC

X

Water right number - R71-00033A

Prefix Translation: RESEARCH

71-00034A, 71-00034B, 71-00034C, 71-00034D, 71-00034E, 71-00034F,
71-00035A, 71,00035B, 71-00036C, 71-00037B & 71-10763.

Old Water Right Numbers

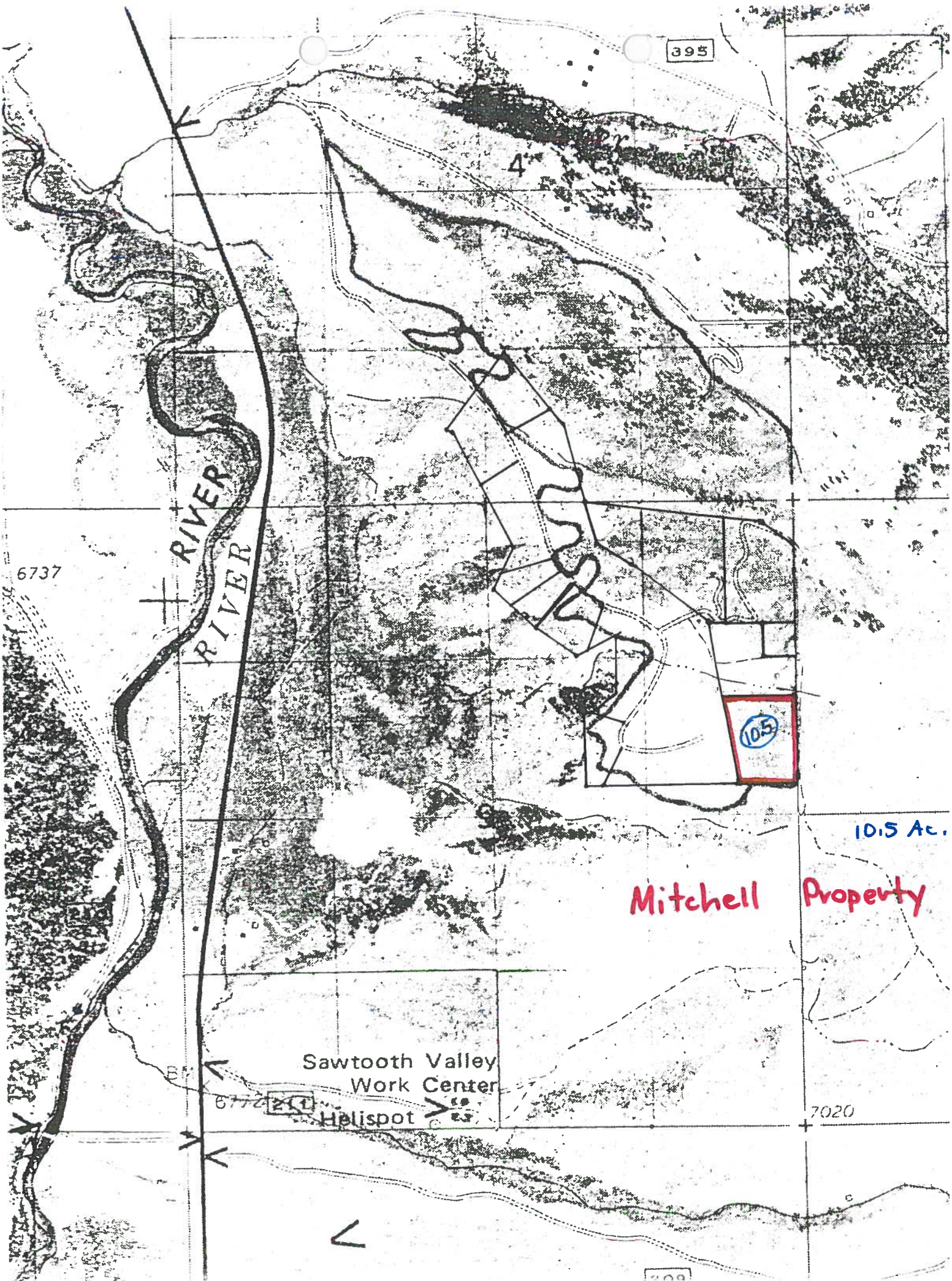
Conditions of Approval
No Conditions of Approval found.

Decree Plaintiff DAN J. CAVANAGH
Decree Defendant WM. MERRITT, ET AL.
Decree Date 00/00/0000

Date: 02/14/1994 User Id: MERRITT Subject: COPIED FROM REMARKS
THIS CLAIM IS FOR A PORTION OF WR 71-00033.

Audit fields 02/14/94 MERRITT

Adjudication Rights Dates and Flags Area
Court Report Filing - 00/00/0000 Field Inspection Made - 09/22/1993 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 - 02/02/1994 Temporary Right - P
Claim Received Date - 11/30/1989 Last Amended Date - C013118 Water District -
Receipt Number PDU Ownership Flag - Y Federal/State Indicator - S
Name Connector - OR Presumption Flag -
Notice of Error Flag -



395

4

6737

RIVER
RIVER

105

10.5 Ac.

Mitchell Property

Sawtooth Valley
Work Center

6772

Helispot

7020

308

IDAHO DEPARTMENT OF WATER RESOURCES
LOTUS FORM - SPLIT

CREATED ON 2-1-94
BY ADM & KKC
MODIFIED DATE

FOR RIGHT NO: 71-00033

BY: ADM
DATE: 02-Feb-94

BASE RATE: 0.90 CFS

OWNER	CLAIMED RATE	ACRES FOUND	FIRST SHARE OF BASE	POTENTIAL SHARE OF BASE RATE	FIRST CUT	2ND ACRE ITERATION	2ND SHARE ITERATION	POTENTIAL SHARE OF REMAINING	SECOND CUT	PRELIM RATE SUMMARY	RATE PER ACRE
A71-00033A MITCHELL	0.27	10.5	30.4%	0.274	0.270					0.270	0.026
A71-00033B HUMPHREYS	0.90	2	5.8%	0.052		2	8.3%	0.053	0.053	0.053	0.026
A71-00033C STAHL	0.58	22	63.8%	0.574		22	91.7%	0.578	0.578	0.578	0.026
A71-00033D LAUDER	0.02	0									

Re-number →
A71-00034 F

SUMS	1.77	34.5	100.0%	0.900	0.270	24	100.0%	0.630	0.630	0.900	
				FIRST ITERATION BALANCE							
				NOT ALLOCATED ==>	0.630 CFS						

TOTAL POTENTIAL
ALLOCATED RATE
BEFORE HUBBLE ==> 0.900 CFS

BALANCE NOT
ALLOCATED =====> 0.000 CFS

GRADED BORDER EVALUATION

Job name: WHITECLOUD AREA
By: ADM

Location: TP4 10AC BASE 14DAY
Date: Feb 9, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0600 ft/ft Border width (W)= 35 ft
Net application (Fn)= 2.31 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)	Notes
0.60	Gross depth is less than required	gross application depth				
0.61	Gross depth is less than required	gross application depth				
0.62	Gross depth is less than required	gross application depth				
0.63	Gross depth is less than required	gross application depth				
0.64	Gross depth is less than required	gross application depth				
0.65	Gross depth is less than required	gross application depth				
0.66	Gross depth is less than required	gross application depth				
0.67	Gross depth is less than required	gross application depth				
0.68	Gross depth is less than required	gross application depth				
0.69	0.020	22.71	20.24	0.16	10.2	(2)
0.70	0.020	23.04	20.24	0.49	10.0	(2)
0.71	0.020	23.37	20.24	0.82	9.9	(2)
0.72	0.021	23.70	20.24	1.15	9.7	(2)
0.73	0.021	24.03	20.24	1.48	9.6	(2)
0.74	0.021	24.36	20.24	1.81	9.5	(2)

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

GRADED BORDER EVALUATION

Job name: WHITECLOUD AREA

Location: TP4 10AC BASE 14DAY

By: ADM

Date: Feb 9, 1994

Roughness coefficient (n)= 0.250

Intake family (If)=3.00

Slope (S)= 0.0200 ft/ft

Border width (W)= 35 ft

Net application (Fn)= 2.31 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)	Notes
0.60	Gross depth is less than required	gross application depth				
0.61	Gross depth is less than required	gross application depth				
0.62	Gross depth is less than required	gross application depth				
0.63	Gross depth is less than required	gross application depth				
0.64	Gross depth is less than required	gross application depth				
0.65	Gross depth is less than required	gross application depth				
0.66	Gross depth is less than required	gross application depth				
0.67	Gross depth is less than required	gross application depth				
0.68	Gross depth is less than required	gross application depth				
0.69	0.020	22.71	20.25	0.15	10.2	
0.70	0.020	23.04	20.25	0.48	10.0	
0.71	0.020	23.37	20.25	0.81	9.9	
0.72	0.021	23.70	20.25	1.14	9.7	
0.73	0.021	24.03	20.25	1.47	9.6	
0.74	0.021	24.36	20.25	1.80	9.5	

GRADED BORDER EVALUATION

Job name: WHITECLOUD AREA
By: ADM

Location: TP4 10AC BASE 21DAY
Date:

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0600 ft/ft Border width (W)= 23 ft
Net application (Fn)= 2.31 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)	Notes
0.40	Gross depth is less than required gross application depth					
0.41	Gross depth is less than required gross application depth					
0.42	Gross depth is less than required gross application depth					
0.43	Gross depth is less than required gross application depth					
0.44	Gross depth is less than required gross application depth					
0.45	Gross depth is less than required gross application depth					
0.46	0.020	23.04	20.24	0.49	10.0	(2)
0.47	0.020	23.54	20.24	0.99	9.8	(2)
0.48	0.021	24.04	20.24	1.49	9.6	(2)
0.49	0.021	24.54	20.24	1.99	9.4	(2)

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

GRADED BORDER EVALUATION

Job name: WHITECLOUD AREA
By: ADM

Location: TP4 10AC BASE 21DAY
Date: Feb 9, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0200 ft/ft Border width (W)= 23 ft
Net application (Fn)= 2.31 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)	Notes
0.40	Gross depth is less than required	gross application depth				
0.41	Gross depth is less than required	gross application depth				
0.42	Gross depth is less than required	gross application depth				
0.43	Gross depth is less than required	gross application depth				
0.44	Gross depth is less than required	gross application depth				
0.45	Gross depth is less than required	gross application depth				
0.46	0.020	23.04	20.25	0.48	10.0	
0.47	0.020	23.54	20.25	0.98	9.8	
0.48	0.021	24.04	20.25	1.48	9.6	
0.49	0.021	24.54	20.25	1.98	9.4	

SOIL CHARACTERISTICS initials: ADM date: 07/09/93

Soil Type = TP4...GRAVELLY LOAM
Source of Soils Data = SCS

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)	intake family		AWC (ave)	
lower	upper	lower	upper	lower	upper	lower	upper			flood	furrow		
0	10	0.11	0.14	6.1	6.5	3	5	1	1.53	3	0.7	1	0.125
10	29	0.12	0.16	6.1	6.5			2	3.21			11	0.14
29	60	0.08	0.12	6.1	7.3			3	4.61			30	0.1
								4	5.81	alternate method		61	0
								5	7.01			61	0
										NA	NA	61	0
												61	0
												61	0
												61	0
												61	0

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (inches)
alfalfa (hay or seed)	5	0.5	3.50
corn (field or silage)	4	0.5	2.91
grain (winter or spring)	4	0.5	2.91
pasture (or grass hay)	3	0.5	2.31
other (enter below)			

Intake Family

choose base number for intake family from table below based on texture
base number (#'s 1 through 7) = 5

6 6

Intake Family

#	flood	furrow	texture
1	0.3	0.3	heavy clays, silty clay (> 60% clay)
2	0.5	0.35	clays, slit loam (lake laid), sandy clay
3	1	0.4	silty clay loam, clay loam, sandy clay loam, silt loam (stream laid)
4	1.5	0.5	silt loam (wind laid), loam, very fine sandy loam
5	2	0.55	sandy loam, fine sandy loam, gravelly loam
6	3	0.7	very fine sand, loamy sands, gravelly sandy loam
7	4	0.85	sand

If you wish to assign intake family by an alternate method (from Table A-3 in Hubble Report or other) enter your selection below.
Enter a value for both flood and furrow if known, otherwise enter zero.
If you do not wish to assign intake family by an alternate method enter zero for both values.
intake family (flood) = 0
intake family (furrow) = 0

