

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: **A72-00032L**

Date Received: 12/18/1989

Receipt No: S010707

Received By: _____

New Owner

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

1. Name: STEPHEN BAUCHMAN
Address: 4075 W DESERT INN RD
LAS VEGAS NV 89102

AND

Name: LYNDELLA BAUCHMAN
Address: 4075 W DESERT INN RD
LAS VEGAS NV 89102

2. Date of Priority: JUL 22, 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	7	NW	SW	NW	2	CUSTER

5. Description of diverting works:
CONCRETE DIVERSION DAM & HEADGATE, HIGHLINE CANAL

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	5.520		

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

8. Total consumptive use is 650.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

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10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
14N	19E	21	SW	NE		IRR	40.0
			NW	NW		IRR	38.0
			SW	NW		IRR	38.0
			SE	NW		IRR	40.0
			NE	SW		IRR	37.0
			NW	SW		IRR	18.0
			NW	SE		IRR	31.0
			SW	SE		IRR	18.0
						Section Acres	260.0
						Total Acres	260.0

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:
A72-00006A

14. Remarks:
OWNERSHIP CHANGE 11/8/93 BY JG.

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date: / /

STEPHENS ET. AL.
Decree Plaintiff

SHAW 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 wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments:

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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 _____

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Custer County Title Inc.

Box 370
Challis, Idaho 83226
208-879-4424

October 29, 1993

IDWR
Southern Region Office
222 Shoshone Street East

RE: 8353 Cutler-Bauchman

Dear Sirs:

Please find enclosed water transfer forms regarding
the above sale, which recently closed in our office.

Any questions regarding the transfer should be directed
to the buyer or seller, or the realtor, who is Brent
Hill-Agrilands, Challis, Idaho.

Thank you for your assistance.

Respectfully,



Della Brower
Secretary

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NOV 01 1993

Department of Water Resources
Southern Region Office

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NEW PROPERTY OWNER NOTICE OF CHANGE OF WATER RIGHT OWNERSHIP

Please print or type
(see instructions on back of page)

DATE OF CLOSING: 10-28-93

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Department of Water Resources
Southern Region Office

LEGAL DESCRIPTION OF PROPERTY: Township 14 North Range 19 East
Section 21, 1/4 of 1/4 of 1/4, Govt. Lot , BM.
Lot , Block , Subdivision/Townsite .
If you have additional legal descriptions, please attach separate sheet.

*attached legal description.

☐ Served Only by a Public Service Water Supply (all water is received from a city or company who maintains water supply system, owns the water right, and bills the customer on a regular basis)

☐ Water Right Number(s)

Assigned by IDWR: R72-00006A, R72-00032L

☐ Name and Address of Former Owner/Claimant(s)(Seller):

Howard R. Cutler and Zella M. Cutler

HC 67 Box 2066

Challis, Idaho 83226

☐ New Owner/Claimant (Purchaser):

Stephen Bauchman and Lyndella Bauchman

☐ New Mailing Address:

4075 W. Desert Inn Rd.

Las Vegas, Nv. 89102

☐ New Telephone Number:

() -

☐ Does the change in ownership result in a splitting of the water right owned/claimed? yes x no
If yes, then describe the portion of the water right that is now owned/claimed by the new owner:

☐ Attach proof of ownership, describe proof attached: warranty deed

(proof of ownership must describe either the property conveyed or include the claim number. Proof of ownership is not required if this form is signed by the former owner/claimant.)

☐ Signature of New Owner/Claimant(s)

Stephen Bauchman
Lyndella Bauchman

Date 10-28-93

Date 10-28-93

☐ Signature of Former Owner/Claimant(s):

Howard R. Cutler
Zella M. Cutler

Date 10-28-93

Date 28 Oct 1993

(Signature of former claimant(s) is not required if proof of ownership is attached.)

FOR IDWR USE ONLY:

Initial Review and Data-Entry

Date: 11/9/93 By: SC

Further Action Needed:

Further Action Taken

Date: By:

Final Review and Data-Entry

Date: By:

Claim Numbers of Split, if any:

Original to be mailed to Idaho Department of Water Resources
Copies to Former Owner and New Owner

Custer County Title Inc.

Box 370
Challis, Idaho 83226
208-879-4424

October 29, 1993

IDWR
Southern Region Office
222 Shoshone Street East

RE: 8353 Cutler-Bauchman

Dear Sirs:

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Thank you for your assistance.

Respectfully,



Della Brower
Secretary

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Department of Water Resources
Southern Region Office

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DESCRIPTION:

TOWNSHIP 14 NORTH, RANGE 19 EAST, BOISE MERIDIAN, CUSTER COUNTY, IDAHO.

Section 21: W1/2NW1/4, NW1/4SW1/4, SW1/4NE1/4, NW1/4SE1/4, SE1/4NW1/4, NE1/4SW1/4, SW1/4SE1/4, EXCEPTING THEREFROM the following four tracts of land described as:

Tract I

A tract of land in the NW1/4SE1/4 and SW1/4NE1/4, Section 21, Township 14 North, Range 19 East, Boise Meridian, Custer County, Idaho, described as:

Beginning at a point on the South 1/16 line of Section 21, said Township and Range, that is South 89°43'15" East, 3830.48 feet and North 00°01'40" West, 1321.49 feet from the Southwest corner of Section 21, said Township and Range; thence North 00°01'40" West, 1943.97 feet; thence North 89°58'20" East, 142.13 feet, more or less, to the East 1/16 line of said Section 21; thence South 00°03'00" East, on the East 1/16 line of the said Section 21, 1944.71 feet, more or less; thence North 89°43'50" West on the South 1/16 line of said Section 21, 142.44 feet, more or less, to the Point of Beginning.

Tract II

A fraction of the SW1/4NE1/4, Section 21, Township 14 North, Range 19 East, Boise Meridian, Custer County, Idaho, described as:

Beginning at a point that is South 89°43'15" East, 3830.48 feet and North 00°01'40" West, 3,265.46 feet from the Southwest corner of said Section 21; thence North 00°01'40" West, 100 feet, more or less; thence North 89°58'20" East, 142.06 feet, more or less, to the East 1/16 line of said Section 21; thence South 00°03'00" East, on said East 1/16 line, 100 feet, more or less; thence South 89°58'20" West, 142.13 feet, more or less, to the Point of Beginning.

Tract III

A portion of the SW1/4SE1/4, Section 21, Township 14 North, Range 19 East, Boise Meridian, Custer County, Idaho, described as:

Beginning at a point on the South line of Section 21, said Township and Range, that is South 89°43'15" East, 3830.48 feet from the Southwest corner of said Section 21; thence North 00°01'40" West, 1321.49 feet, more or less, to the South 1/16 line of said Section 21; thence South 89°43'50" East on the South 1/16 line of said Section 21, 142.44 feet, more or less, to the East 1/16 line of said Section 21; thence South 00°03'00" East on the East 1/16 line of said Section 21, 1321.51 feet, more or less, to the South line of said Section 21; thence North 89°43'15" West on the South line of said Section 21, 142.66 feet, more or less, to the Point of Beginning.

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DESCRIPTION CONTINUED:

Tract IV

A portion of the SW1/4SE1/4, Section 21, Township 14 North, Range 19 East, Boise Meridian, Custer County, Idaho, described as:
Beginning at the Southwest corner of the S1/2SE1/4SW1/4SE1/4;
thence North along the West line of said S1/2SE1/4SW1/4SE1/4, 200 feet; thence South 89°43'15" East, 517.56 feet, more or less, to the West line of the land described in the Deed to the City of Challis, recorded October 16, 1973, as instrument No. 136431, records of Custer County, Idaho; thence South 00°01'40" East along the West line of said City of Challis Land 200 feet to the South line of said S1/2SE1/4SW1/4SE1/4; thence North 89°43'15" West, on said South line 517.56 feet to the Point of Beginning.

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WARRANTY DEED

THIS INDENTURE, made this 28 day of Oct, 1993, by and between HOWARD R. CUTLER and ZELLA M. CUTLER, Husband and Wife, of Challis, State of Idaho, the party of the first part, and STEPHEN G. BAUCHMAN and LYNDELLA BAUCHMAN, Husband and Wife, whose address is P.O. Box 165 Macks Inn, State of Idaho, the party of the second part.

WITNESSETH:

That the said party of the first part, for and in consideration of the sum of Ten Dollars and other valuable consideration, lawful money of the United States of America, to it in hand paid by the said party of the second part, the receipt of which is hereby acknowledged, does by these presents, grant, bargain, sell and convey, and confirm unto said party of the second part, and to their heirs and assigns forever, all that certain lot, piece, or parcel of land situate, lying, and being in the County of Custer, State of Idaho, bounded and more particularly described as follows, to-wit:

See Exhibit "A" attached hereto.

Together with, all and singular, the tenements, hereditaments and appurtenances thereunto belonging or in any way appertaining, and the rents, issues, and profits thereof, water rights to irrigate the approximately 300 acres described in Exhibit "A", and mineral rights.

TO HAVE AND TO HOLD, all and singular, the said premises, together with the appurtenances and privileges thereunto incident unto the said party of the second part, and to their heirs and assigns forever; and the said party of the first part and their heirs,

COPY

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OCT 28 1994

warrants the said premises in the quiet and peaceable possession of the said party of the second part, their heirs and assigns, against the said party of the first part and their heirs, and against all and every person or persons whomsoever, lawfully claiming or to claim the same, shall and will warrant and by these presents forever defend.

IN WITNESS WHEREOF, the said party of the first part has hereunto set their hand and seal the day and year first above written.

Howard R. Cutler
HOWARD R. CUTLER

Zella M. Cutler
ZELLA M. CUTLER

STATE OF Idaho)
) :ss
County of Custer)

On this 28 day of October, 1993, before me the undersigned notary public, personally appeared Howard R. Cutler, known or identified to me to be the person whose name is subscribed to the within 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.

Patsy Lindt
Notary Public for Idaho
Residing at Challis
My Commission Expires: 2/12/98

(SEAL)

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OCT 28 1994

STATE OF Idaho)
) :ss
County of CUSTER)

On this 28 day of October, 1993, before me the undersigned notary public, personally appeared Zella M. Cutler, known or identified to me to be the person whose name is subscribed to the within instrument and acknowledged to me that she 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.

(SEAL)

Patsy Kinds
Notary Public for Idaho
Residing at Charlottesville
My Commission Expires: 3/12/98

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OCT 28 1994

Custer County Title Inc.

Box 370
Challis, Idaho 83226
208-879-4424

October 29, 1993

IDWR
Southern Region Office
222 Shoshone Street East

RE: 8353 Cutler-Bauchman

Dear Sirs:

Please find enclosed water transfer forms regarding
the above sale, which recently closed in our office.

Any questions regarding the transfer should be directed
to the buyer or seller, or the realtor, who is Brent
Hill-Agrilands, Challis, Idaho.

Thank you for your assistance.

Respectfully,



Della Brower
Secretary

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NOV 03 1993

Department of Water Resources
Southern Region Office

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OCT 28 1994



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

NOV 10, 1993

STEPHEN BAUCHMAN
LYNDELLA BAUCHMAN
4075 W DESERT INN RD
LAS VEGAS NV 89102

RE: ADJUDICATION CLAIM(S) A72-00006A, A72-00032L, A72-10311,
A72-10312 - CUTLER, HOWARD R. & ZELLA M.

Dear Claimant(s):

Pursuant to the notification that you now own the property with the above-referenced Adjudication Claims, we have changed the Department's record(s) as you have requested. Enclosed is a copy of the Claim(s), please review the record(s) for accuracy.

Should you have any questions, please feel free to contact me at this office.

Sincerely,

Judy Givens
Adjudication Secretary

/jg

C.C. DELLA BROWER - CUSTER COUNTY TITLE INC
BOX 370 CHALLIS ID 83226

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OCT 28 1994

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

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

CIVIL CASE NUMBER: 39576

Ident. Number: A72-00032L
Date Received: 12/18/1989
Receipt No: 5010707
Received By: AP

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: HOWARD R. CUTLER 208-838-2366
Address: H.C. 67 BOX 2066
CHALLIS, ID 83226

AND/OR

Name: ZELLA M. CUTLER 208-838-2366
Address: H.C. 67 BOX 2066
CHALLIS, ID 83226

2. Date of Priority: JUL 22, 1910

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

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
14N	19E	7	NW	SW	NW	2	CUSTER

5. Description of diverting works:
CONCRETE DIVERSION DAM & HEADGATE, HIGHLINE CANAL

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	5.520		

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

8. Total consumptive use is 650.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
14N	19E	21	SW		NE		IRR	40.0
			NW		NW		IRR	38.0
			SW		NW		IRR	38.0
			SE		NW		IRR	40.0
			NE		SW		IRR	37.0
			NW		SW		IRR	18.0
			NW		SE		IRR	31.0
			SW		SE		IRR	18.0

Section Acres 260.0

Total Acres 260.0

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:
A72-00006A

14. Remarks:

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date:

STEPHENS ET. AL.

Decree Plaintiff

vs

SHAW ET. AL.

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 _____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: 0 See Mzp A72-00006A

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): Howard R. Cutler Date: 12-18-89

Date: _____

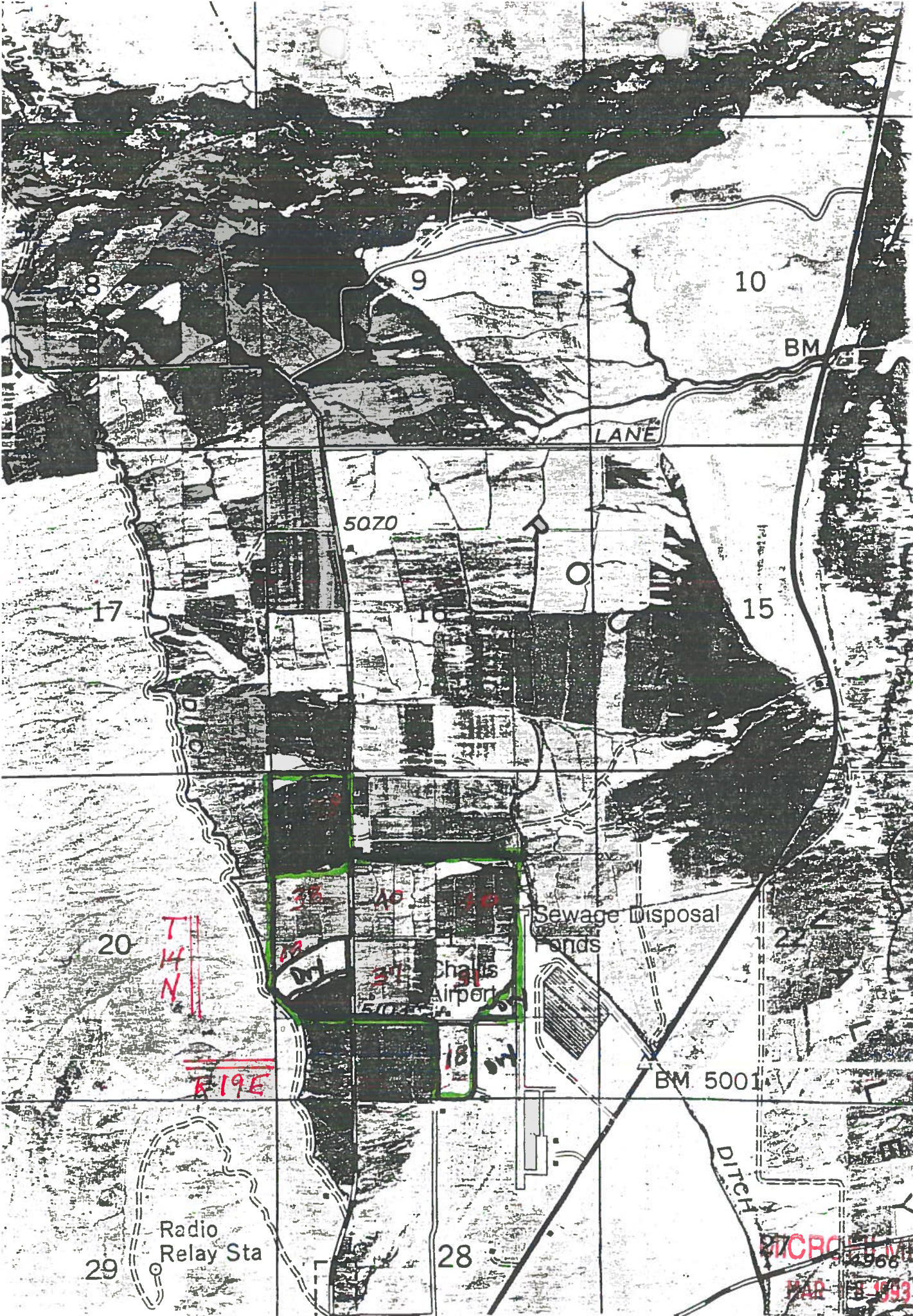
State of Idaho)
County of Twin Falls) SS.

Subscribed and sworn (or affirmed) before me this 18th day
of Dec. 19 89

[Signature]
Notary Public

Seal

Residing at Kimberly, Id.
My Commission Expires 6/30/92



T14N, R19E

RECORDED
MAR 18 1953

Water Right Number - R72-00032L Prefix Translation: RESEARCH Old (D) Number -
+ - - - - Last Name - - - - + + - - - - First Name - - - + + - - - - Address - - - - - +

*** C - CURRENT OWNER ***
BAUCHMAN

STEPHEN

1 - 4075 W DESERT INN RD
2 -
3 -

City- LAS VEGAS State- NV Zip- 89102
Phone - 208-000-0000

BAUCHMAN

LYNDELLA

1 - 4075 W DESERT INN RD
2 -
3 -
City- LAS VEGAS State- NV Zip- 89102
Phone - 208-000-0000

*** O - ORIGINAL OWNER ***
CUTLER

HOWARD R

1 - HC 67 BOX 2066
2 -
3 -

City- CHALLIS State- ID Zip- 83226
Phone - 208-838-2366

CUTLER

ZELLA M

1 - HC 67 BOX 2066
2 -
3 -
City- CHALLIS State- ID Zip- 83226
Phone - 208-838-2366

+ - - Priority Date - - + + - - - - Region - - - + + - - - - Stage - - - + + - - - - Status - - - +
07/22/1910 17 SOUTHERN D - DECREED

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

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

HIGH LINE CANAL

14N	19E	7	SW NW NW	10	(37)	CUSTER
		20	SW NE NE		R	(37) CUSTER
			NE SE NE		R	(37) CUSTER
			SE SE NE		R	(37) CUSTER
		21	SW NW SW		R	(37) CUSTER
			SW SW SW		R	(37) CUSTER

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

01 - IRRIGATION

5.520

+ - - Total Div. Rate - + + - - Total Div. Volume - + 04/01 10/31 5.520 + - - Total Consumptive Use - + + - - KW Usage - +
5.520 0.0

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

AJ0743NP
(00-124)

Water right number - R72-00032L Prefix Translation: RESEARCH

Tw	Rng	Sec	Tract	Lot	Acres	Place of Use	Description	County
14N	19E	21	SW NE		36.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	NW NW		36.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	SW NW		37.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	SE NW		40.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	NE SW		39.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	NW SW		12.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	NW SE		29.0	01	IRRIGATION	(37) CUSTER
14N	19E	21	SW SE		15.0	01	IRRIGATION	(37) CUSTER

Total Acres: 244.0

- - - Diversion Means - CONCRETE DIVERSION DAM & HEADGATE, HIGHLINE CANAL

- - - Non-Irrigation Use - NONE

- - - Other Rights for Same Use - 72-00006C

Remarks

QNT USE OF THIS RIGHT WITH RIGHT NO. 72-00006C IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 11.32 CFS.

POU1 USE OF THIS RIGHT WITH RIGHT NO. 72-00006C IS LIMITED TO THE
IRRIGATION OF A COMBINED TOTAL OF 244 ACRES IN A SINGLE
IRRIGATION SEASON.

GEN THIS RIGHT IS SUBJECT TO REGULATION BY THE WATERMASTER OF
WATER DISTRICT 72-C.

Old Water Right Numbers

7200032

Conditions of Approval
C03 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION
- PURSUANT TO SECTION 42-1425, IDAHO CODE.

Decree Plaintiff
STEPHENS ET. AL.

Decree Defendant
SHAW ET. AL.

Decree Date
00/00/0000

Comments
Date: 11/08/1993 User Id: GIVENS Subject: OWNERSHIP CHANGE
CHANGE OF OWNERSHIP RECEIVED 11/3/93 FORMER OWNERS HOWARD R. & ZELLA M. CUTLER NEW OWNERS STEPHEN & LYNDELLA BAUCHMAN. COPY
OF WARRANTY DEED SUBMITTED WITH FORM.

Audit Fields
11/03/98 JROBERTS

CLAIM NUMBER
72-00006C
72-00032L

DATE
10/7/98

TRANSFER NUMBER

AGENT
JK

CLAIMED ACRE TOTAL
255

GIS ACRE TOTAL
244

				NE				NW				SW				SE				
	TWP	RNG	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
CLAIM	14N	19E	21			40			38	38	40	37	13.2				31	18		25
GIS	14N	19E	21			36			36	37	40	39	12				29	15		2
RECOM	14N	19E	21			36			36	37	40	39	12				29	15		2
CLAIM																				
GIS																				
RECOM																				
CLAIM																				
GIS																				
RECOM																				

B72-DBPOU.SHP

SHAPE NOS.

25 = 76 Ac.
26 = 143 Ac.
27 = 15 Ac.
28 = 8.7 Ac.

B72-DBPOD.SHP

NOS.	DESCRIPTION
54	14N, 19E, 7 SWNW NW (10)
54	14N, 19E, 20 SW NENE
55	14N, 19E, 20 NESENE
56	14N, 19E, 20 SESENE
57	14N, 19E, 21 SW NW SW
58	14N, 19E, 21 SW SW SW

still need
cond. code C#3
JK?

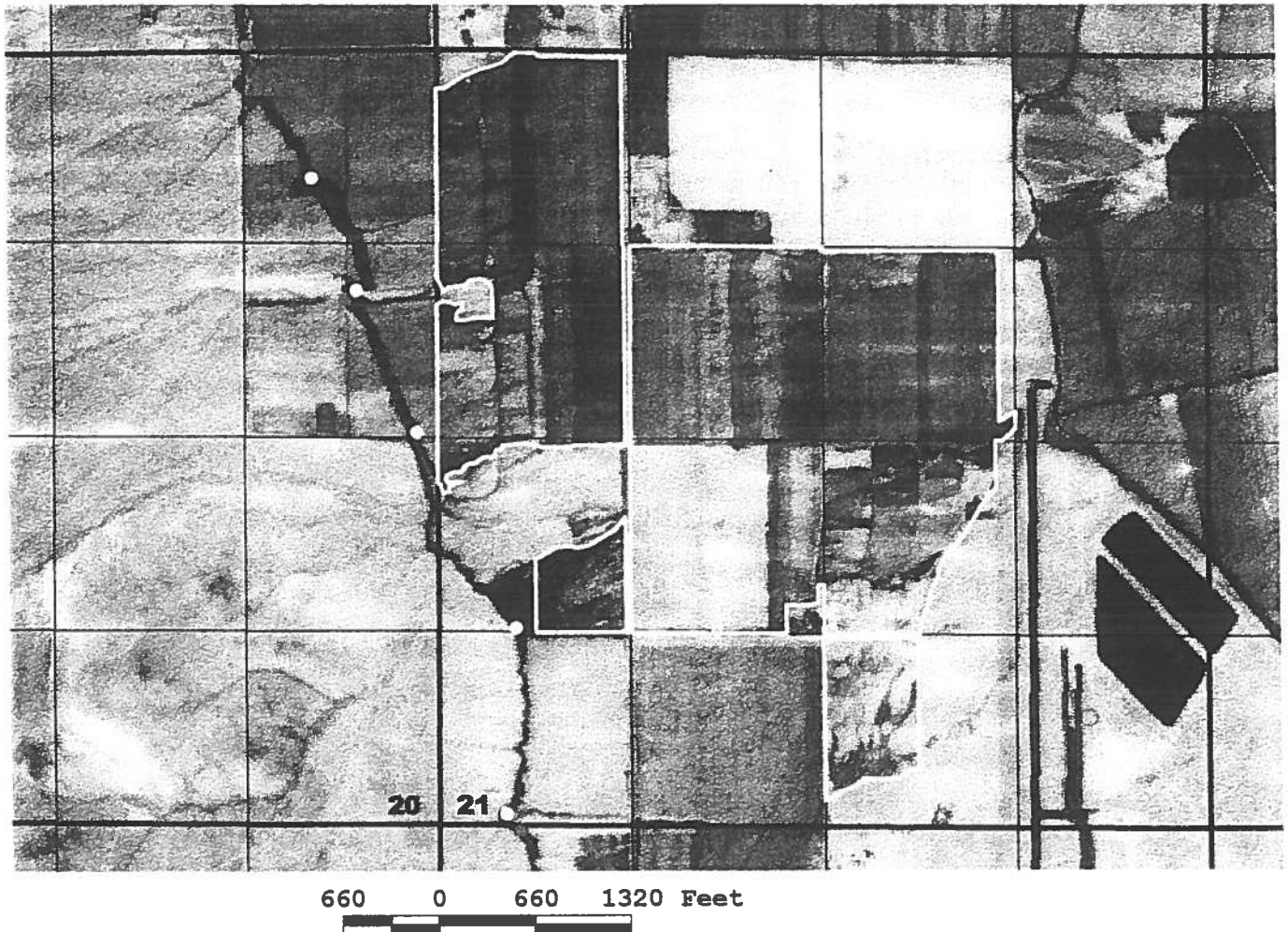
was Rnd. Valley
- now moved to
High Line ?

DBF TABLES UPDATED

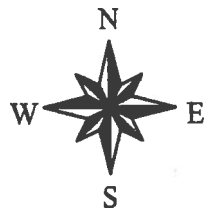
B72-DBPOU.DBF ✓

B72-DBPOD.DBF ✓

IDAHO DEPARTMENT OF WATER RESOURCES
72-00006C & 72-00032L
STEPHEN & LYNELLA BAUCHMAN



RECOMMENDED PLACE OF USE
DATA ENTRY ON OCT. 7, 1998
TWP 14N, 19E, SEC . 21



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

RE-EVALUATION OF IRRIGATION FEES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-00006C

72-00032L

DATE: 11/3, 1998

REVIEWED BY X

CHALLIS AREA SOIL REVIEW

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

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

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

SOIL TYPE	OPTIMAL ROTATION / (chart)	ACTUAL ROTATION / (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
Mug	4.54	6	* 50	* .15	= 7.5 CFS
DB1	5.66	6	* 179	* .13	= 23.27 CFS
WB2	5.37	6	* 15	* .13	= 1.95 CFS
			*	*	= 32.72 CFS allowed

TOTAL ACRES 244

DECREED RATE =

CLAIMED DIVERSION RATE = 11.32

MEASURED DIVERSION RATE =

rec. as claimed

6/9/94

COMMUNICATION DOCUMENTATION

This form is to be used to document public record information requests regarding any SRBA claim or claims. The form may also be used to document IDWR communications requesting information regarding any SRBA claim or claims when the request is not made in writing or the claim verification report is not readily available to document the request. This form is to be filed in all relevant claim files or a central office file.

IDWR Employee/Agent JEANIE M ROBERTSON

DATE

August 5, 1996 11:03am

CUSTOMER

ANNA - WAY OUT WEST REALTY A72-00006C,
A72-00032L, A72-10311, A72-10312

SUBJECT: PROFILE REPORTS

phone call (X) walk-in (.)

Asked to have profile reports FAXed to her @ 879-5258 for rights Bauchmans had purchased from Cutlers in T14N, R19E, Section 21.

DEC 03 1996

R PROOF

CVR

MAPS

PHOTOS

MISC

MICROFILMED

OCT 28 1994

Water Right Number - R72-00032L

Prefix Translation:

RESEARCH

Old (D) Number -

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

+ - First Name - - +

+ - - - - Address - - - - +

*** C - CURRENT OWNER ***
BAUCHMAN

STEPHEN

1 - 4075 W DESERT INN RD

2 -

3 -

State- NV Zip- 89102

BAUCHMAN

LYNDELLA

1 - 4075 W DESERT INN RD

2 -

3 -

City- LAS VEGAS

Phone - 208-000-0000

State- NV Zip- 89102

*** O - ORIGINAL OWNER ***

CUTLER

HOWARD R.

1 - H.C. 67 BOX 2066

2 -

3 -

City- CHALLIS

Phone - 208-838-2366

State- ID Zip- 83226

CUTLER

ZELLA M.

City- CHALLIS

State- ID Zip- 83226

+ - - Priority Date - - +
07/22/1910+ - - Region - - - +
17 SOUTHERN+ - - Stage - - - +
D - DECREED

+ - - Status - - - +

+ - - Source - - - - +
CHALLIS CREEK+ - - Tributary - - - - +
SALMON RIVER+ - - - - Point of Diversion - - - - +
Twn Rng Sec Tract Lot RFlg County

14N 19E 7 SW NW NW 1 (37) CUSTER HIGH LINE CANAL

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

01 - IRRIGATION 04/15 10/15

+ - - Total Div. Rate - - + + - - Total Div. Volume - - + + - - Total Consumptive Use - - + + - - KW Usage - - +
5.520 5.97 5.200 638.0

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
14N	19E	21	SW NE		35.0		01	IRRIGATION	(37) CUSTER
14N	19E	21	NW NW		38.0		01	IRRIGATION	(37) CUSTER
14N	19E	21	SW NW		38.0		01	IRRIGATION	(37) CUSTER
14N	19E	21	SE NW		40.0		01	IRRIGATION	(37) CUSTER
14N	19E	21	NE SW		37.0		01	IRRIGATION	(37) CUSTER

MICROFILMED
OCT 28 1994MICROFILMED
OCT 28 1994

Water right number - R72-00032L

Prefix Translation: RESEARCH

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
14N	19E	21	NW SW		18.0	01	01	IRRIGATION	(37) CUSTER
14N	19E	21	NW SE		31.0	01	01	IRRIGATION	(37) CUSTER
14N	19E	21	SW SE		18.0	01	01	IRRIGATION	(37) CUSTER

Total Acres: 85.0
244

- - - Diversion Means - CONCRETE DIVERSION DAM & HEADGATE, HIGHLINE CANAL

- - - Non-Irrigation Use - NONE

- - - Other Rights for Same Use - 72-00006A

Remarks

USE OF THIS RIGHT WITH THE RIGHT LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 10.3 CFS, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 638 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 255 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NO.: 72-00006A.

THIS RIGHT IS LIMITED TO THE IRRIGATION OF 255 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON. THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 72-00004L, 72-00004K, 72-00004L, 72-00004N, 72-00006A, 72-00028F, 72-00020G, 72-00020H, 72-00020J, 72-00020L, 72-00020N, 72-00032G, 72-10204, 72-10263 & 72-10267. WATER IS DELIVERED THROUGH THE HIGH LINE CANAL WITH ITS POINT OF DIVERSION AS DESCRIBED ABOVE.

THE APPROPRIATOR IS ENTITLED TO THE AMOUNT DESCRIBED ABOVE AT THE POINTS OF MEASUREMENT IN SW1/4, NE1/4, NE1/4, IN SE1/4, NE1/4, IN THE SE1/4, SE1/4, NE1/4 ALL IN SEC 20 T14N, R19E AND IN THE SW1/4, NW1/4, SW1/4 & IN THE SW1/4, SW1/4, SW1/4 OF SEC 21 IN T14N, R19E.

Old Water Right Numbers

7200032

Conditions of Approval

RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO IDAHO CODE 42-1416A.

Decree Plaintiff

SHAW ET. AL.

Decree Defendant

Comments

Date: 11/08/1993 User Id: GIVENS Subject: OWNERSHIP CHANGE
CHANGE OF OWNERSHIP RECEIVED 11/3/93 FORMER OWNERS HOWARD R. & ZELLA M. CUTLER NEW OWNERS STEPHEN & LYNDELLA BAUCHMAN. COPY
OF WARRANTY DEED SUBMITTED WITH FORM.

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OCT 28 1994

Gen BOP
EXP. import

Water right number - R72-00032L

Prefix Translation: RESEARCH

+ - - Audit Fields - - +
04/23/94 WORSTELL

+ - - Adjudication Rights Dates and Flags Area - - - - - +	
Court Report Filing	- 00/00/0000
Objection Filed Date	- 00/00/0000
Response Filed Date	- 00/00/0000
Claim Received Date	- 12/18/1989
Field Inspection Made	- 00/00/0000
Field Inspection Flag	-
Verified Date	- 04/23/1994
Last Amended Date	- 00/00/0000
Receipt Number	- S010707
POU Ownership Flag	- Y
Name Connector	- AND
Civil Case Number	- 39576
Old Case Number	-
Old Judicial District	-
Temporary Right	- P
Water District	- 72C
Federal/State Indicator	- S
Presumption Flag	- D
Notice of Error Flag	-

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OCT 28 1994

MR 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		B.I.D. 6/30/93	N				
SOURCE				Y	6.5			
PLACE OF USE	Y			N				
DIV. AMOUNT CFS/VOLUME	Y			Y	5			
CONSUMPTIVE USE	-			N				
PURPOSES				N				
PERIOD OF USE	Y			Y				
BASIS OF CLAIM	Y			N				
REMARKS				Y	6			

VERIFIED BY CODES

Part of USGS "Pat's Creek" Quadrangle 1988 Provisional Edition
 BLM MAP PHOTOS
 24 ID 88-10-9C-5 7/16/88

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

MICROFILMED
OCT 28 1994

PAGE: 1
GENERAL INFORMATION

DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

CLAIM NUMBER: A72-00032L

05/30/92

LAST: CUTLER
ADDRESS: H.C. 67 BOX 2066
CITY: CHALLIS
PHONE NUMBER: 208-838-2366

FIRST: HOWARD K.
STATE: ID ZIP: 83226

OWNER CODE: C

LAST: CUTLER
ADDRESS: H.C. 67 BOX 2066
CITY: CHALLIS
PHONE NUMBER: 208-838-2366

FIRST: ZELLA M.
STATE: ID ZIP: 83226

OWNER CODE: C

FIELD EXAM REQUIRED?

DATABASE

FIELD
EXAMINER

VERIFICATION REQUIRED DUE TO REMARKS?

NO REMARKS IN CLAIM

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OCT 28 1994

FIELD EXAMINATION INFORMATION

CONTACT PERSON: _____

Howard Cutler

PHONE NUMBER: (____) _____

DATE OF FIELD EXAM: _____

6/30/93

APPOINTMENT MADE: Y (☒) N (____)

TIME: *9:00* A (☒) P (____)

ACCOMPANIED BY: _____

PHONE NUMBER: (____) _____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / REMARKS:

See Remarks in claim CVR - A72-00006A

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OCT 28 1994

A. AJ CLAIM: # A72-00032L PRIORITY DATE: 07-22-1910 STAGE: D

B. WR RECORD: # 72-00032 PRIORITY DATE: 07-22-1910 STAGE: D

C. FIELD EXAM REQUIRED? DATABASE FIELD EXAMINER N

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N() ✓

REMARKS:

See Remarks on Page 6 of file for claim A72-00032A

Priority based on priority date of Decreed Right 72-00032.

RECOMMENDED PRIORITY DATE:

07-22-1910

REVIEWED BY

A.V. 21

DATE

1/13/93

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OCT 28 1994

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT TWP. RGE. SEC.

1/4 ~~SW~~ ~~SW~~

1/4 ~~SW~~ ~~SW~~

1/4 ~~SW~~ ~~SW~~

LOT 21

CNTY

CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX R PREFIX NONE

A72-00004J
A72-00004K
A72-00004L
A72-00004N
A72-00006A
A72-00020E
A72-00020G
A72-00020H
A72-00020J
A72-00020L
A72-00020N
A72-00020G
A72-10204
A72-10263
A72-10267

FOb

WR RECORDS IN SAME 40 ACRE TRACT

72-00003
72-00006A
72-00009B
72-00018A
72-00018B
72-00020B
72-00020C
72-00021
72-00022B
72-00024
72-00025A
72-04158
72-07180
72-07445

+ Standard Remarks

from 12-10-90

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OCT 28 1994

FOI
+ DOI 14N 19E
14N 19E
Sec 21 ~~SW SW SW~~
20 SW NE NE
20 SE NE NE
20 SE SE NE
21 SW NW SW
21 SW SW SW

SOURCE: CHALLIS CREEK

TRIB: SALMON RIVER

B. WR POINT OF DIVERSION AND SOURCE:

7200032 THERE IS NO POD ASSOCIATED WITH THIS WATER RIGHT NUMBER

SOURCE: CHALLIS CREEK

TRIB: SALMON RIVER

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY? (Y/N)
DUE TO SOURCE DISCREPANCY? (Y/N)

Y
N

FIELD EXAMINER
---X---
---N---

REMARKS:

Diverted to 2 gravity pressure sprinkler main lines and 3 ditches
that supply 3 flood irrigated parcels also see standard Remarks

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:
TWP. RGE. SEC.

1/4

1/4

1/4

LOT

COUNTY

14N 19E 1

SW

NW

NW

1

Custer

SOURCE: CHALLIS CREEK

TRIB: SALMON RIVER

REVIEWED BY:

S.V. N

DATE:

4/22/94

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A. ROOT WATER RIGHT NUMBERS:

A72-00032A
A72-00032B

A72-00032C

A72-00032D

A72-00032E

A72-00032F

A72-00032G

A72-00032H

A72-00032J

A72-00032K

A72-00032L

A72-00032M

A72-00032N

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
14N	19E	21	SW	NE		CUTLER, HOWARD K. CUTLER, HOWARD K. ROUND VALLEY IRRIGATION CO.	A72-00032L 740.0 A72-00006A /40.0	72-00006A / 72-00032 /	37.0	35 Airport	35
14N	19E	21	SW	NE		CUTLER, HOWARD K. CUTLER, HOWARD K. ROUND VALLEY IRRIGATION CO.	A72-00032L 738.0 A72-00006A /38.0	72-00006A / 72-00032 /	40.0	38	38
14N	19E	21	SW	NE		CUTLER, HOWARD K. CUTLER, HOWARD K. ROUND VALLEY IRRIGATION CO.	A72-00032L 740.0 A72-00006A /40.0	72-00006A / 72-00032 /	40.0	40	40
14N	19E	21	SW	NE		CUTLER, HOWARD K. CUTLER, HOWARD K. ROUND VALLEY IRRIGATION CO.	A72-00032L 737.0 A72-00006A /37.0	72-00006A / 72-00032 /	39.0	37 Farmstead	37

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OCT 28 1994

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
14N	19E	21	NW	SW		CUTLER, HOWARD R.	A72-00032L / 718.0	72-00006A /		18	18
			NW	SW		CUTLER, HOWARD R.	A72-00006A / 18.0	72-00006A /		Dry Area	
			NW	SW		ROUND VALLEY IRRIGATION CO.	A72-10312	72-00032 /			
14N	19E	21	NW	SE		CUTLER, HOWARD R.	A72-00032L / 731.0	72-00006A /		31	31
			NW	SE		CUTLER, HOWARD R.	A72-00006A / 31.0	72-00006A /		Airport	
			NW	SE		ROUND VALLEY IRRIGATION CO.	A72-10311	72-00032 /		+ Farm Stead	
14N	19E	21	SW	SE		CUTLER, HOWARD R.	A72-00032L / 718.0	72-00006A /		18	18
			SW	SE		JAMES, WILLIAM W.	A72-10301 /	- /			
			SW	SE		CUTLER, HOWARD R.	A72-00006A / 18.0	- /			
			SW	SE		ROUND VALLEY IRRIGATION CO.	72-00032 /	72-02149 / 39.0			
			SW	SE		PHILIPS, ETHEL	72-02149C / 39.0				
			SW	SE		PHILIPS, ETHEL					
TOTAL ACRES							A72-00032L	260.00	288.00		255

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

IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED? DATABASE Y FIELD EXAMINER Y POU COUNTY: CUSTER

DUE TO POU DISCREPANCY? (Y/N)

PRESUMPTION FLAG: X

REMARKS:

RECOMMENDATIONS:

TOTAL ACRES: 255
 REVIEWED BY: G. V. 26
 DATE: 4/22/94

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 OCT 28 1994

A. AS CLAIMED USES:

PURPOSES
A72-00032L IRRIGATIONMONTH/DAY
FROM 04-01 TO 11-01

TOTAL DIVERSION RATE/VOLUME CLAIMED

DIVERSION QUANTITY
5.520 CFS

5.520 CFS

B. WR RECORDED USES:

PURPOSES
72-00032 IRRIGATIONMONTH/DAY
FROM TO

TOTAL DIVERSION RATE/VOLUME CLAIMED

DIVERSION QUANTITY
35.600 CFS
35.600 CFSMICROFILMED
OCT 28 1994

RESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

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

Explain in remarks, below.

REMARKS:

New standard period of use.

Y(☒) N(☐)

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

AJ TOTAL CLAIMED DIVERSION RATE: 5.520 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 35.600 CFS

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
** If an amount smaller than the original diversion rate is **
** claimed and an exam is NOT required, explain in remarks. **

FLOW MEASUREMENT REQUIRED?

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

FIELD DATABASE EXAMINER
Y **N**

FLOW MEASUREMENT

MEASUREMENT METHOD

SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: A72-00006A

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A72-00032L	CHALLIS CREEK	CUTLER, HOWARD R.	5.520	0.021		
A72-00006A	CHALLIS CREEK	CUTLER, HOWARD R.	5.960	0.022		

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A72-10312	STOCKWATER	CUTLER, HOWARD R.	FROM 01-01 TO 12-31	.040 CFS	

Complete overlap

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OCT 28 1994

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1b. CALCULATIONS

1a. IRRIGATION RATE
ACRES 255 X 0.02 CFS/ACRE = 5.1 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 = 650.0 AE/A

ACRES 355 X CONSUMPTIVE VOL. AE/A FOR AREA 2.5 =

TOTAL CONSUMPTIVE USE 638 AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AE/A

ACRES X DIVERSION VOL. AE/A FOR AREA N/A =

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.)

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OCT 28 1994

RECOMMENDATIONS:

REC. PURPOSES

REC. PERIOD
FROM 10

REC. DIV
RATE CFS

REC. DIV
VOL. AF/A

REC. CORR.
0.86

IRIGATION

TOTAL FOR THIS RIGHT

04-11
~~15~~ ~~10-15~~

DATEBASE EXAMINER
5.520 5.52

DATEBASE EXAMINER

N/A

DATEBASE EXAMINER
550.0 630.0

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OCT 28 1994

REVIEWED BY:

DATE:

as claimed

Decreed Div. $\rightarrow$ $\frac{35.6 \text{ cfs}}{16.88 \text{ ac}} \approx 0.022 \text{ cfs/ac}$
Approx Acres Decreed

$0.022 \text{ cfs/ac} \times 255 \text{ ac} = 5.61 \text{ cfs}$

Justified by Hubble Analysis for Flood Irrigated Areas

16.6 acres of MUG Soil	
41.0 " " "	
30.1 " " DB1	
14.9 " " MIB2 Soil	
<u>Acres</u>	
Total 98.6 acres	Total

2.65 cfs
6.48 cfs
1.97 cfs
1.46 cfs

12.56 cfs for flood Irr Areas
+ 3.25 " for sprinkled "

15.81 cfs for total Area (0.022 cfs/ac)

- 5.10 cfs recommended under 72-0006A for this Area

10.71 cfs can be justified by Hubble Analysis

Sprinkled Area

Total Irr.

255 ac. - 92.6 = 162.4 acres

Diverted to Sprinklers

$162.4 \text{ ac} \times 0.022 \text{ cfs/ac} = 3.25 \text{ cfs}$

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FOREFEIT/ABANDON
ADDITIONAL DIV. ARDONTACCEPTED
AS CLAIMED
()
()
()
NEEDS
REVIEW
()
()
()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-00032

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
4.800

EXAMINER

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A72-00032A	0.060	-	-	-	-
A72-00032	A72-00032B	0.880	-	-	72-00032	35.600
-	A72-00032C	2.000	-	-	-	-
A72-00032	A72-00032D	1.200	-	-	72-00032	35.600
A72-04003	A72-00032E	1.200	-	-	72-04003	4.800
A72-00032	A72-00032F	1.190	-	-	72-00032	35.600
-	A72-00032G	1.200	-	-	-	-
-	A72-00032H	0.200	-	-	-	-
A72-00032	A72-00032I	0.240	-	-	72-00032	35.600
A72-00032	A72-00032J	0.240	-	-	72-00032	35.600
A72-00032	A72-00032K	0.620	-	-	72-00032	35.600
-	A72-00032L	5.520	-	-	-	-
-	A72-00032M	1.120	-	-	-	-
A72-00032	A72-00032N	1.900	-	-	72-00032	35.600
TOTAL CFS		17.570				4.800

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
NFIELD
EXAMINER
N

REMARKS:

MICROFILMED
OCT 28 1994

AUTHENTICATION:

SIGNATURE:

Robert W. Worstell

DATE:

4/22/94

NAME OF FIELD EXAMINER:

Robert Worstell

TITLE:

Sr. Adj. Agent

MICROFILMED
OCT 28 1994

MICROFILMED
OCT 28 1996

TIVERSIO
VOLUME

650 AF

Stage: CHECKED

CLUSTER County

○ ○ | ㊦

```
Field Inspection Flag: 0
Presumption Flag: 0
```

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Field Inspection Flag: 0
Presumption Flag: 0
```

BLM

24 ID-

MICROFILMED

POOR ORIGINAL

PIU 72-00006A

Main Line 72-00032L

16 15
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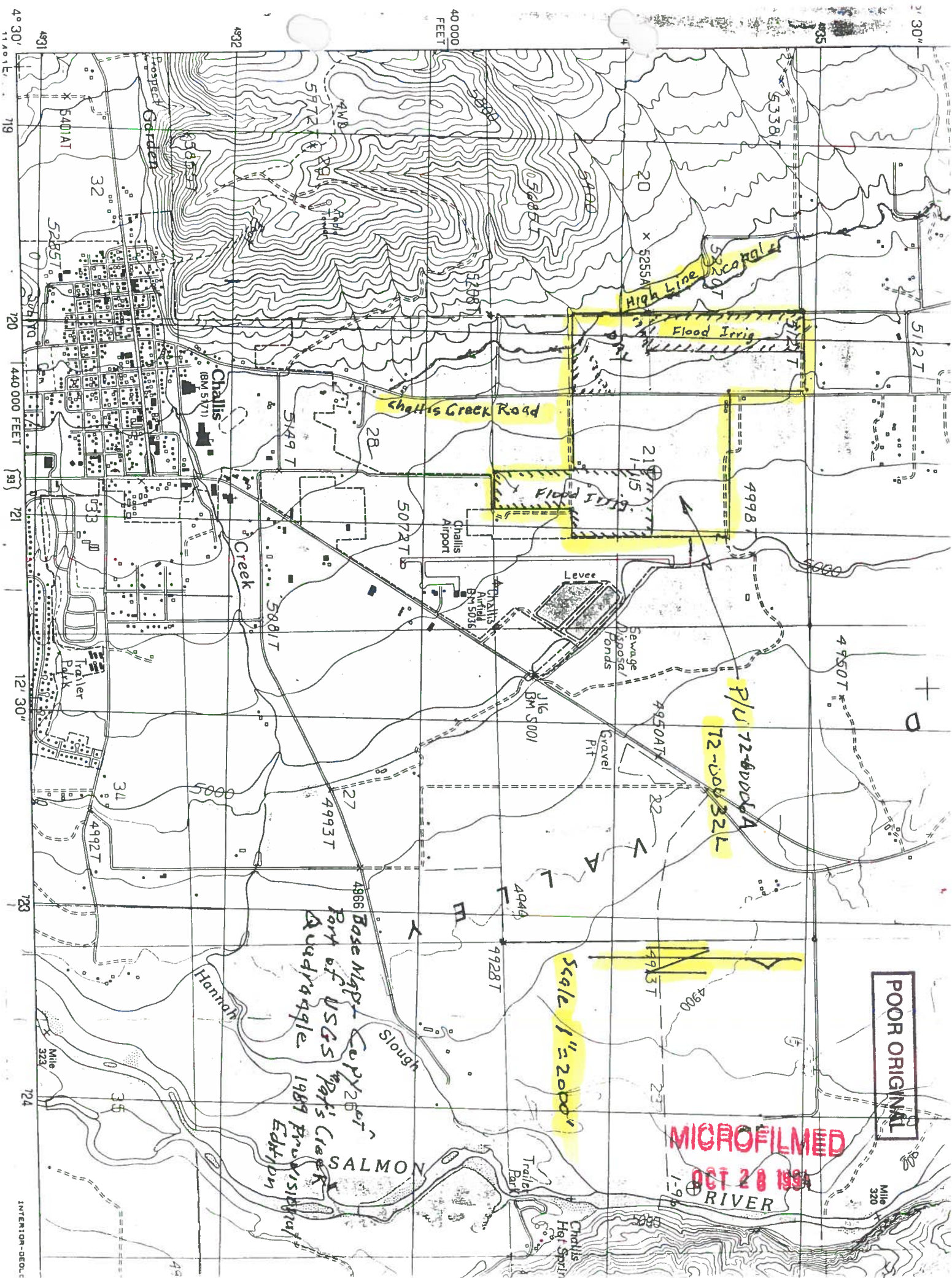
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20 21
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Base Map / Enlarged Copy of
Part of BLM Aerial Photo
24 ID-88
10-9C-5
7/16/1988

Approx Scale
1" = 1100'



R PROOF



CVR



MAPS



PHOTOS

MISC



MICROFILM

MAR 18 1993

GRADED BORDER EVALUATION

Job name: 72-00006A & 72-00032L
By: RVW

Location: MUG SOIL 16.7 ACRES
Date: Mar 23, 1994

Sec 21
NW SW

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0510 ft/ft Border width (W)= 47 ft
Net application (Fn)= 1.36 inches Border length (L)= 863 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
2.62	Gross depth is less than required gross application depth					
2.63	Gross depth is less than required gross application depth					
2.64	Gross depth is less than required gross application depth					
2.65	0.056	22.58	21.19	0.03	6.0	(2) (3)
2.66	0.057	22.66	21.19	0.11	6.0	(2) (3)
2.67	0.057	22.75	21.19	0.20	6.0	(2) (3)
2.68	0.057	22.83	21.19	0.28	6.0	(2) (3)
2.69	0.057	22.92	21.19	0.37	5.9	(2) (3)
2.70	0.057	23.01	21.19	0.45	5.9	(2) (3)
2.71	0.058	23.09	21.19	0.54	5.9	(2) (3)
2.72	0.058	23.18	21.19	0.62	5.9	(2) (3)
2.73	0.058	23.26	21.19	0.71	5.8	(2) (3)
2.74	0.058	23.35	21.19	0.79	5.8	(2) (3)
2.75	0.059	23.43	21.19	0.88	5.8	(2) (3)

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

GRADED BORDER EVALUATION

Job name: A72-0006A A72-00032L
By: RVW/JR

Location: MUG SOIL
Date: Mar 23, 1994

41 ACRES *Sec 21
NWNW + SWNW*

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0450 ft/ft Border width (W)= 220 ft
Net application (Fn)= 1.36 inches Border length (L)= 451 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
6.40	Gross depth is less than required gross application depth					
6.41	Gross depth is less than required gross application depth					
6.42	Gross depth is less than required gross application depth					
6.43	Gross depth is less than required gross application depth					
6.44	Gross depth is less than required gross application depth					
6.45	Gross depth is less than required gross application depth					
6.46	Gross depth is less than required gross application depth					
6.47	Gross depth is less than required gross application depth					
6.48	0.029	22.57	21.19	0.02	6.0	(2)
6.49	0.029	22.61	21.19	0.05	6.0	(2)
6.50	0.030	22.64	21.19	0.09	6.0	(2)
6.51	0.030	22.68	21.19	0.12	6.0	(2)
6.52	0.030	22.71	21.19	0.16	6.0	(2)
6.53	0.030	22.75	21.19	0.19	6.0	(2)
6.54	0.030	22.78	21.19	0.23	6.0	(2)
6.55	0.030	22.81	21.19	0.26	6.0	(2)
6.56	0.030	22.85	21.19	0.30	6.0	(2)
6.57	0.030	22.88	21.19	0.33	5.9	(2)
6.58	0.030	22.92	21.19	0.37	5.9	(2)
6.59	0.030	22.95	21.19	0.40	5.9	(2)
6.60	0.030	22.99	21.19	0.44	5.9	(2)

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

$$\frac{6.48 \text{ cfs}}{41 \text{ ac}} \approx 0.158 \text{ cfs/ac}$$

or 7.9 in./ac

GRADED BORDER EVALUATION

Job name: A72-0006A A72-00032L
By: RVW/JR

Location: WB2 SOIL 14.9 ACRES Sec 21 SWSE
Date: Mar 23, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=2.00
Slope (S)= 0.0180 ft/ft Border width (W)= 45 ft
Net application (Fn)= 1.59 inches Border length (L)= 685 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
1.44	Gross depth is less than required gross application depth					
1.45	Gross depth is less than required gross application depth					
1.46	0.032	16.37	14.70	0.08	9.7	
1.47	0.033	16.48	14.70	0.19	9.6	
1.48	0.033	16.59	14.70	0.30	9.6	
1.49	0.033	16.71	14.70	0.41	9.5	
1.50	0.033	16.82	14.70	0.53	9.5	
1.51	0.034	16.93	14.70	0.64	9.4	
1.52	0.034	17.04	14.70	0.75	9.3	
1.53	0.034	17.15	14.70	0.86	9.3	
1.54	0.034	17.27	14.70	0.98	9.2	

$$\frac{1.45 \text{ cfs}}{14.9 \text{ acres}} \approx 0.10 \text{ cfs/ac.}$$

$$\frac{0.10 \text{ cfs/ac}}{1.02 \text{ cfs/m.i.}} \approx 5 \text{ m.i./ac.}$$

GRADED BORDER EVALUATION

Job name: A72-0006A A72-00032L
By: RVW/JR

Location: DB1 SOIL 20.1 ACRES *Sec 21 NW SE*
Date: Mar 23, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=2.00
Slope (S)= 0.0360 ft/ft Border width (W)= 133 ft
Net application (Fn)= 1.67 inches Border length (L)= 314 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
1.90	Gross depth is less than required gross application depth					
1.91	Gross depth is less than required gross application depth					
1.92	Gross depth is less than required gross application depth					
1.93	Gross depth is less than required gross application depth					
1.94	Gross depth is less than required gross application depth					
1.95	Gross depth is less than required gross application depth					
1.96	Gross depth is less than required gross application depth					
1.97	0.015	16.30	14.61	0.02	10.2	(4)
1.98	0.015	16.39	14.61	0.10	10.2	(4)
1.99	0.015	16.47	14.61	0.18	10.1	(4)
2.00	0.015	16.55	14.61	0.27	10.1	(4)
2.01	0.015	16.63	14.61	0.35	10.0	(4)
2.02	0.015	16.72	14.61	0.43	10.0	(4)
2.03	0.015	16.80	14.61	0.51	9.9	
2.04	0.015	16.88	14.61	0.60	9.9	
2.05	0.015	16.96	14.61	0.68	9.8	
2.06	0.015	17.05	14.61	0.76	9.8	
2.07	0.016	17.13	14.61	0.85	9.7	
2.08	0.016	17.21	14.61	0.93	9.7	
2.09	0.016	17.30	14.61	1.01	9.7	
2.10	0.016	17.38	14.61	1.09	9.6	

(4) Less than minimum recommended depth of flow.

$$\frac{1.96 \text{ cfs}}{20.1 \text{ ac}} \approx 0.098 \text{ cfs/ac}$$

or 4.9 mi/ac

CLAIM NO. --- A72-00006A
AGENT ----- RVW A72-00032L
DATE ----- 03/23/94

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

SOIL CHARACTERISTICS

Soil Type = DB1; DAWTONIA...GRAVELLY 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	4	0.11	0.13	6.6	7.8	1	2	1	1.67	2	0.55
4	11	0.14	0.18	7.9	9			2	1.74		
11	60	0.05	0.09	7.9	9			3	3.35		
								4	4.19	alternate	
								5	5.03	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
				FIELD WIDTH	2788	0	
				IRRIGATION DAYS	7		
				DRY DAYS	0		
				SET TIME(hours)	8		
				CALCULATED RUN (run = acres*43560/width)			
				RUN =	314		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	133		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	1.67		
				ROTATION =	7.2 DAYS		

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)						
				mar	apr	may	jun	jul	aug	sep
PASTURE	20.1	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23
ALFALFA	0	FLOOD	10.9		1.28	4.51	5.65	6.25	4.45	2.52

Summary 20.1 1.47 3.84 4.87 5.86 4.56 3.23 2.07

Peak Net Irrigation Requirement (mm/day) = 5.86

Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
HUBBLE ENGINEERING INC. OCTOBER 1991
Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES
Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

GRADED BORDER EVALUATION

Sec 21
NW SW

Job name: 72-00006A & 72-00032L
By: RVW

Location: MUG SOIL 16.7 ACRES
Date: Mar 23, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0510 ft/ft Border width (W)= 47 ft
Net application (En)= 1.36 inches Border length (L)= 863 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
2.62	Gross depth is less than required gross application depth					
2.63	Gross depth is less than required gross application depth					
2.64	Gross depth is less than required gross application depth					
2.65	0.056	22.58	21.19	0.03	6.0	(2) (3)
2.66	0.057	22.66	21.19	0.11	6.0	(2) (3)
2.67	0.057	22.75	21.19	0.20	6.0	(2) (3)
2.68	0.057	22.83	21.19	0.28	6.0	(2) (3)
2.69	0.057	22.92	21.19	0.37	5.9	(2) (3)
2.70	0.057	23.01	21.19	0.45	5.9	(2) (3)
2.71	0.058	23.09	21.19	0.54	5.9	(2) (3)
2.72	0.058	23.18	21.19	0.62	5.9	(2) (3)
2.73	0.058	23.26	21.19	0.71	5.8	(2) (3)
2.74	0.058	23.35	21.19	0.79	5.8	(2) (3)
2.75	0.059	23.43	21.19	0.88	5.8	(2) (3)

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

CLAIM NO. --- 72-00006A Lotus Program:
 AGENT ----- RVW 72-00032L IRR-PRAC.WK3
 DATE ----- 03/23/94 Date form revised:
 4/21/93 by KKC

 SOIL CHARACTERISTICS

Soil Type = MUG - GERMER, VERY GRAVELLY 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	3	0.09	0.11	7.4	7.8	0.5	1	1	1.37	3 0.7
3	9	0.12	0.16	6.6	7.3			2	1.44	
9	21	0.06	0.09	7.4	9			3	2.72	
21	60	0.04	0.05	7.9	8.4			4	3.26	alternate
								5	3.80	method
										NA NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS				
				FIELD 1	FIELD 2	FIELD 3	FIELD 4	
				FIELD WIDTH	843	0		
				IRRIGATION DAYS	6			
				DRY DAYS	0			
				SET TIME(hours)	8			
alfalfa (hay or seed)	5	0.5	1.90	CALCULATED RUN (run = acres*43560/width)				
corn (field or silage)	4	0.5	1.63	RUN = 863				
grain (winter or spring)	4	0.5	1.63	CALCULATED BORDER WIDTH (ditch length/irr days * cha				
pasture (or grass hay)	3	0.5	1.36	WIDTH = 47				
other (enter below)				THEORETICAL ROTATION (mad/net irr req in inches per				
				SELECTED MAD = 1.36				
				ROTATION = 5.9 DAYS				

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)						
				mar	apr	may	jun	jul	aug	sep
PASTURE	16.7	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 16.7 13 1.47 3.84 4.87 5.86 4.56 3.23 2.07

Peak Net Irrigation Requirement (mm/day) = 5.86

 Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
 HUBBLE ENGINEERING INC. OCTOBER 1991
 Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES
 Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

GRADED BORDER EVALUATION

Job name: A72-0006A A72-00032L
By: RVW/JR

Location: MUG SOIL 41 ACRES
Date: Mar 23, 1994

Sec 21
NW/4NW + SW/4NW

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0450 ft/ft Border width (W)= 220 ft
Net application (Fn)= 1.36 inches Border length (L)= 451 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
6.40	Gross depth is less than required gross application depth					
6.41	Gross depth is less than required gross application depth					
6.42	Gross depth is less than required gross application depth					
6.43	Gross depth is less than required gross application depth					
6.44	Gross depth is less than required gross application depth					
6.45	Gross depth is less than required gross application depth					
6.46	Gross depth is less than required gross application depth					
6.47	Gross depth is less than required gross application depth					
6.48	0.029	22.57	21.19	0.02	6.0	(2)
6.49	0.029	22.61	21.19	0.05	6.0	(2)
6.50	0.030	22.64	21.19	0.09	6.0	(2)
6.51	0.030	22.68	21.19	0.12	6.0	(2)
6.52	0.030	22.71	21.19	0.16	6.0	(2)
6.53	0.030	22.75	21.19	0.19	6.0	(2)
6.54	0.030	22.78	21.19	0.23	6.0	(2)
6.55	0.030	22.81	21.19	0.26	6.0	(2)
6.56	0.030	22.85	21.19	0.30	6.0	(2)
6.57	0.030	22.88	21.19	0.33	5.9	(2)
6.58	0.030	22.92	21.19	0.37	5.9	(2)
6.59	0.030	22.95	21.19	0.40	5.9	(2)
6.60	0.030	22.99	21.19	0.44	5.9	(2)

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

$$\frac{6.48 \text{ cfs}}{41 \text{ ac}} = 0.158 \text{ cfs/ac}$$

or 7.9 m.i./ac

SOIL CHARACTERISTICS

Soil Type = MUG - GERMER, VERY GRAVELLY LOAM
Source of Soils Data = Printout From SCS State Office

CLAIM NO. --- A72-00006A
AGENT ----- RVW A72-00032L
DATE ----- 03/23/94

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

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)		AWC (inches)		intake family	
lower	upper	lower	upper	lower	upper	lower	upper					flood	furrow
0	3	0.09	0.11	7.4	7.8	0.5	1	1	1.37			3	0.7
3	9	0.12	0.16	6.6	7.3			2	1.44				
9	21	0.06	0.09	7.4	9			3	2.72				
21	60	0.04	0.05	7.9	8.4			4	3.26			alternate	
								5	3.80			method	
												NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
				FIELD WIDTH	3960	0	
				IRRIGATION DAYS	6		
				DRY DAYS	0		
				SET TIME(hours)	8		
				CALCULATED RUN (run = acres*43560/width)			
				RUN =	451		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	220		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	1.36		
				ROTATION =	5.9 DAYS		

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)						
				mar	apr	may	jun	jul	aug	sep
PASTURE	41	FLOOD	12.7		1.47	3.84	4.87	5.86	4.56	3.23
ALFALFA		FLOOD	12.7		1.28	4.51	5.65	6.25	4.45	2.52

Summary 41 13 1.47 3.84 4.87 5.86 4.56 3.23 2.07

Peak Net Irrigation Requirement (mm/day) = 5.86

Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"

Soil Characteristics based upon HUBBLE ENGINEERING INC. OCTOBER 1991

Peak Irrigation Diversion based upon SOIL CONSERVATION SERVICE STUDIES

ALLEN & BROCKWAY WEATHER INFORMATION 1983

GRADED BORDER EVALUATION

Job name: A72-0006A A72-00032L Location: WB2 SOIL 14.9 ACRES Sec 21 SWSE
By: RVW/JR Date: Mar 23, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=2.00
Slope (S)= 0.0180 ft/ft Border width (W)= 45 ft
Net application (Fn)= 1.59 inches Border length (L)= 685 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
1.44	Gross depth is less than required gross application depth					
1.45	Gross depth is less than required gross application depth					
1.46	0.032	16.37	14.70	0.08	9.7	
1.47	0.033	16.48	14.70	0.19	9.6	
1.48	0.033	16.59	14.70	0.30	9.6	
1.49	0.033	16.71	14.70	0.41	9.5	
1.50	0.033	16.82	14.70	0.53	9.5	
1.51	0.034	16.93	14.70	0.64	9.4	
1.52	0.034	17.04	14.70	0.75	9.3	
1.53	0.034	17.15	14.70	0.86	9.3	
1.54	0.034	17.27	14.70	0.98	9.2	

$$\frac{1.45 \text{ cfs}}{14.9 \text{ acres}} \approx 0.10 \text{ cfs/ac.}$$

$$\frac{0.10 \text{ cfs/ac}}{0.02 \text{ cfs/m.i.}} = 5 \text{ m.i./ac.}$$

CLAIM NO. --- A72-00006A Lotus Program:
 AGENT ----- RVW A72-00032L IRR-PRAC.WK3
 DATE ----- 03/23/94 Date form revised:
 4/21/93 by KKC

 SOIL CHARACTERISTICS

Soil Type = WB2; Zer...GRAVELLY 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	3	0.11	0.16	7.4	8.4	1	2	1	1.47	2	0.55
3	9	0.1	0.15	7.4	9			1	1.58		
9	21	0.08	0.13	7.9	9			3	3.18		
21	32	0.03	0.08	7.9	9			4	3.66	alternate	
32	60	0.03	0.05	7.9	9			5	4.14	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS				
				FIELD 1	FIELD 2	FIELD 3	FIELD 4	
				FIELD WIDTH	947	0		
				IRRIGATION DAYS	7			
				DRY DAYS	0			
				SET TIME(hours)	8			
alfalfa (hay or seed)	5	0.5	2.07	CALCULATED RUN (run = acres*43560/width)				
corn (field or silage)	4	0.5	1.83	RUN = 685				
grain (winter or spring)	4	0.5	1.83	CALCULATED BORDER WIDTH (ditch length/irr days * cha				
pasture (or grass hay)	3	0.5	1.59	WIDTH = 45				
other (enter below)				THEORETICAL ROTATION (mad/net irr req in inches per				
				SELECTED MAD = 1.59				
				ROTATION = 6.9 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	14.9	FLOOD	12.7		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	0	FLOOD	12.7		1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 14.9 13 1.47 3.84 4.87 5.86 4.56 3.23 2.07

Peak Net Irrigation Requirement (mm/day) = 5.86

 Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
 HUBBLE ENGINEERING INC. OCTOBER 1991
 Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES
 Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

GRADED BORDER EVALUATION

Job name: A72-0006A A72-00032L
By: RVW/JR

Location: DB1 SOIL 20.1 ACRES sec 21 NW SE
Date: Mar 23, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=2.00
Slope (S)= 0.0360 ft/ft Border width (W)= 133 ft
Net application (Fn)= 1.67 inches Border length (L)= 314 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
1.90	Gross depth is less than required gross application depth					
1.91	Gross depth is less than required gross application depth					
1.92	Gross depth is less than required gross application depth					
1.93	Gross depth is less than required gross application depth					
1.94	Gross depth is less than required gross application depth					
1.95	Gross depth is less than required gross application depth					
1.96	Gross depth is less than required gross application depth					
1.97	0.015	16.30	14.61	0.02	10.2	(4)
1.98	0.015	16.39	14.61	0.10	10.2	(4)
1.99	0.015	16.47	14.61	0.18	10.1	(4)
2.00	0.015	16.55	14.61	0.27	10.1	(4)
2.01	0.015	16.63	14.61	0.35	10.0	(4)
2.02	0.015	16.72	14.61	0.43	10.0	(4)
2.03	0.015	16.80	14.61	0.51	9.9	
2.04	0.015	16.88	14.61	0.60	9.9	
2.05	0.015	16.96	14.61	0.68	9.8	
2.06	0.015	17.05	14.61	0.76	9.8	
2.07	0.016	17.13	14.61	0.85	9.7	
2.08	0.016	17.21	14.61	0.93	9.7	
2.09	0.016	17.30	14.61	1.01	9.7	
2.10	0.016	17.38	14.61	1.09	9.6	

(4) Less than minimum recommended depth of flow.

$$\frac{1.96 \text{ cfs}}{20.1 \text{ ac}} \approx 0.098 \text{ cfs/ac}$$

or 4.9 mi/ac

SOIL CHARACTERISTICS

Soil Type = DB1; DAWTONIA...GRAVELLY LOAM
Source of Soils Data = Printout From SCS State Office

CLAIM NO. --- A72-00006A
AGENT ----- RVW A72-00032L
DATE ----- 03/23/94

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

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)	intake family	
lower	upper	lower	upper	lower	upper	lower	upper			flood	furrow
0	4	0.11	0.13	6.6	7.8	1	2	1	1.67	2	0.55
4	11	0.14	0.18	7.9	9			2	1.74		
11	60	0.05	0.09	7.9	9			3	3.35		
								4	4.19	alternate	
								5	5.03	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
				FIELD WIDTH	2788	0	
				IRRIGATION DAYS	7		
				DRY DAYS	0		
				SET TIME(hours)	8		
				CALCULATED RUN (run = acres*43560/width)			
				RUN =	314		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	133		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	1.67		
				ROTATION =	7.2 DAYS		

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)						
				mar	apr	may	jun	jul	aug	sep
PASTURE	20.1	FLOOD			1.47	3.84	4.87	5.86	4.56	3.23
ALFALFA	0	FLOOD	10.9		1.28	4.51	5.65	6.25	4.45	2.52

Summary 20.1 1.47 3.84 4.87 5.86 4.56 3.23 2.07

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