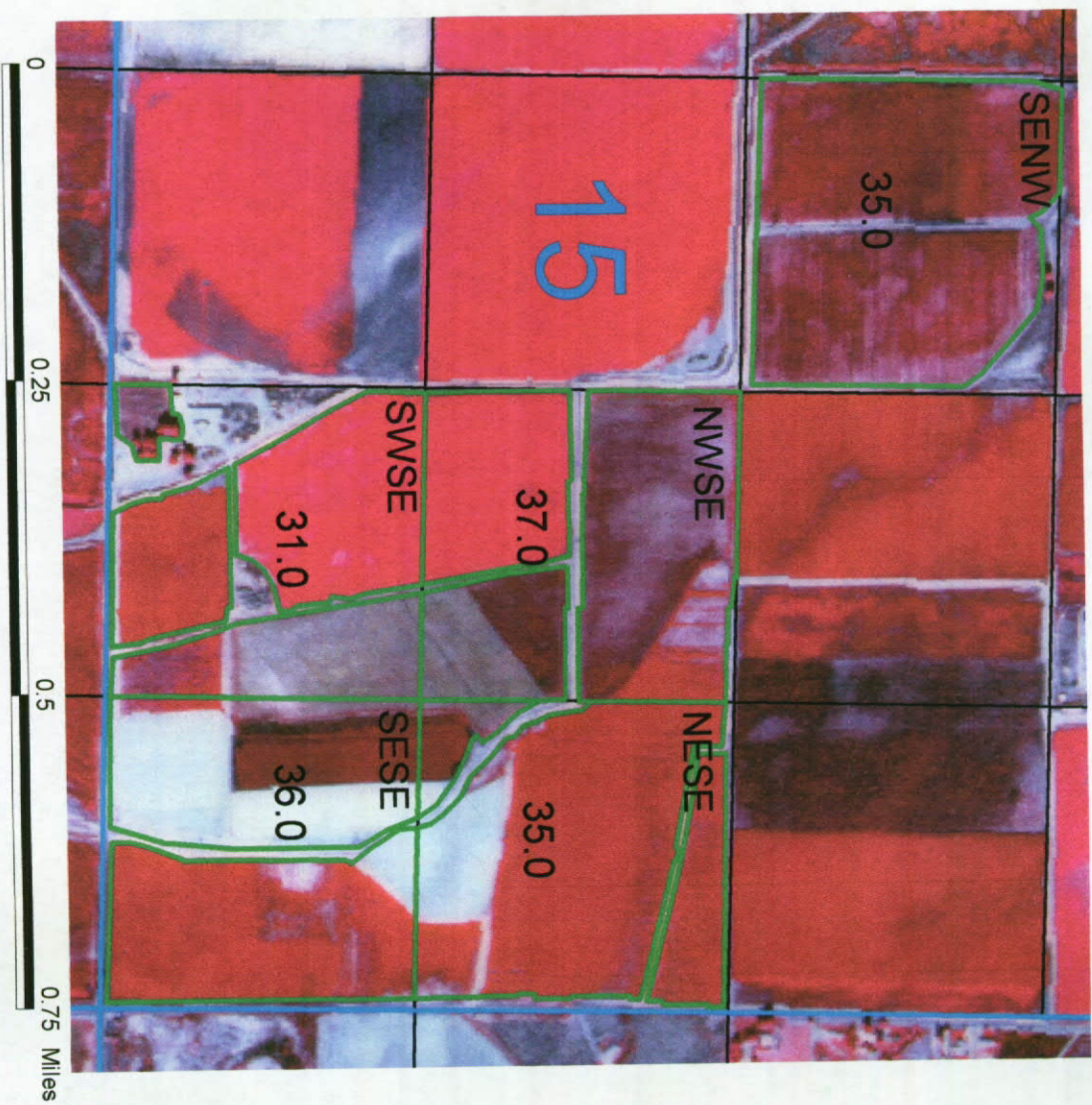


Idaho Department of Water Resources

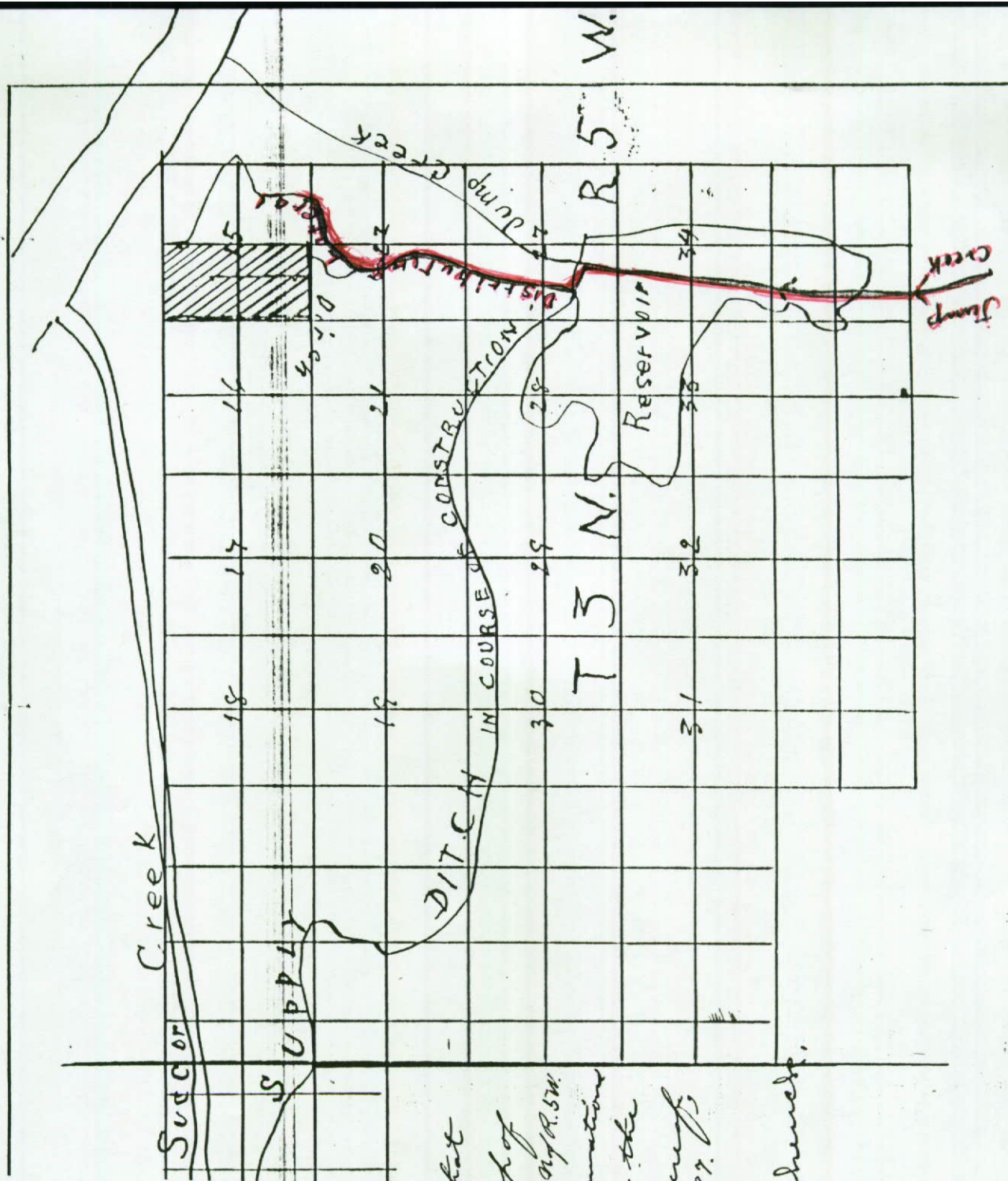
Claim Number: 57-02055
Legal: T03N, R05W, S15
Reviewed By:

- Point of Diversion
(Located outside of view)
- Place of Use
- Section Lines
- Quarter Quarter Lines
- Township/Range Lines



1987 Napp Photo

June 22, 1905
 Map + first annual proof
 Submitted to the Dept of
 Interior of \$675.00 for
 improvement of waterway
 made April 21, 1904



I hereby certify that
 this is a true map of
 the W²/Sec. 15, T³N. 5, R. 5W.
 B.M. and the reclamation
 works done for the
 reclamation thereof
 under D.C. No. 2097.

Signal,

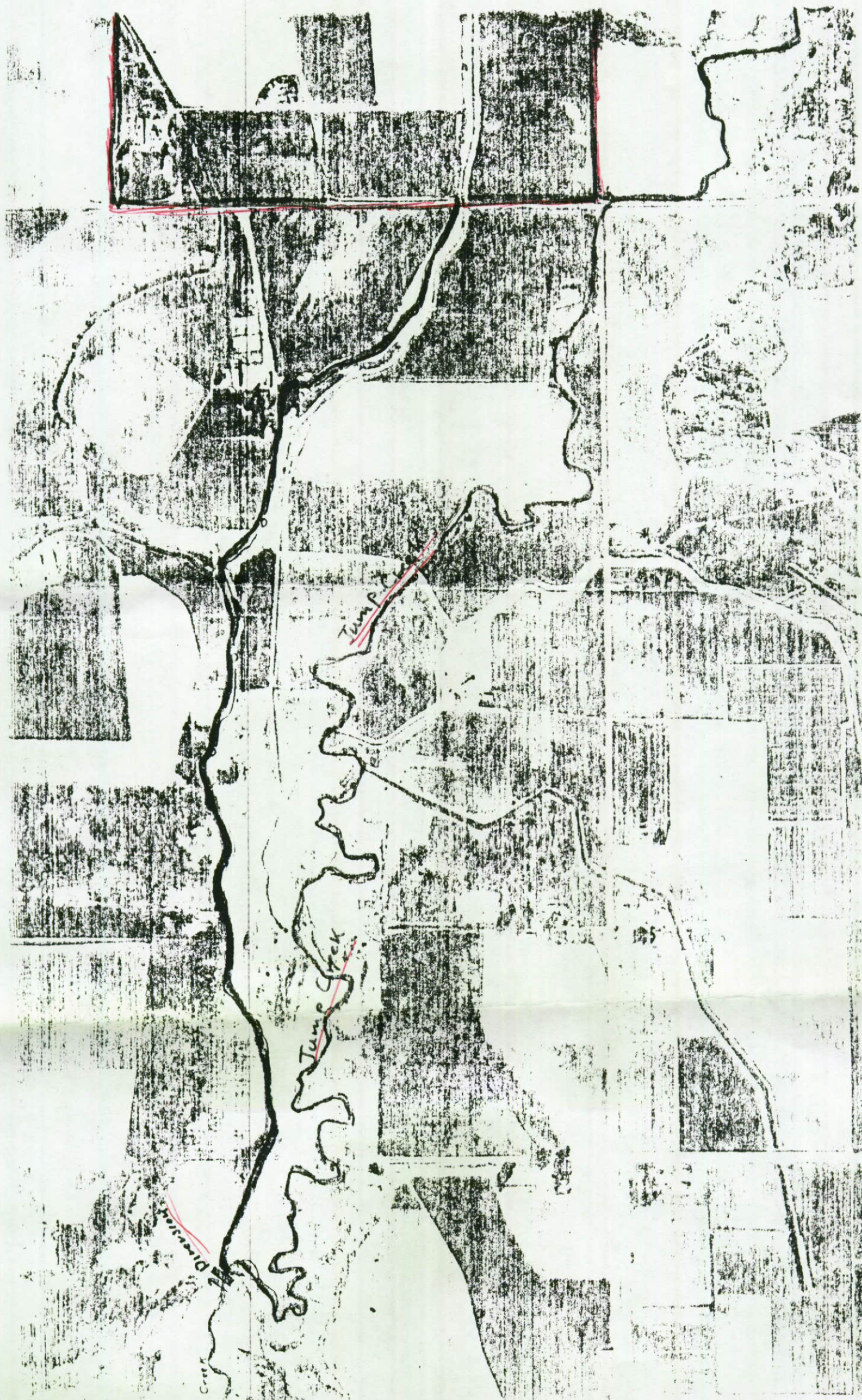
Ida M. Schenck,

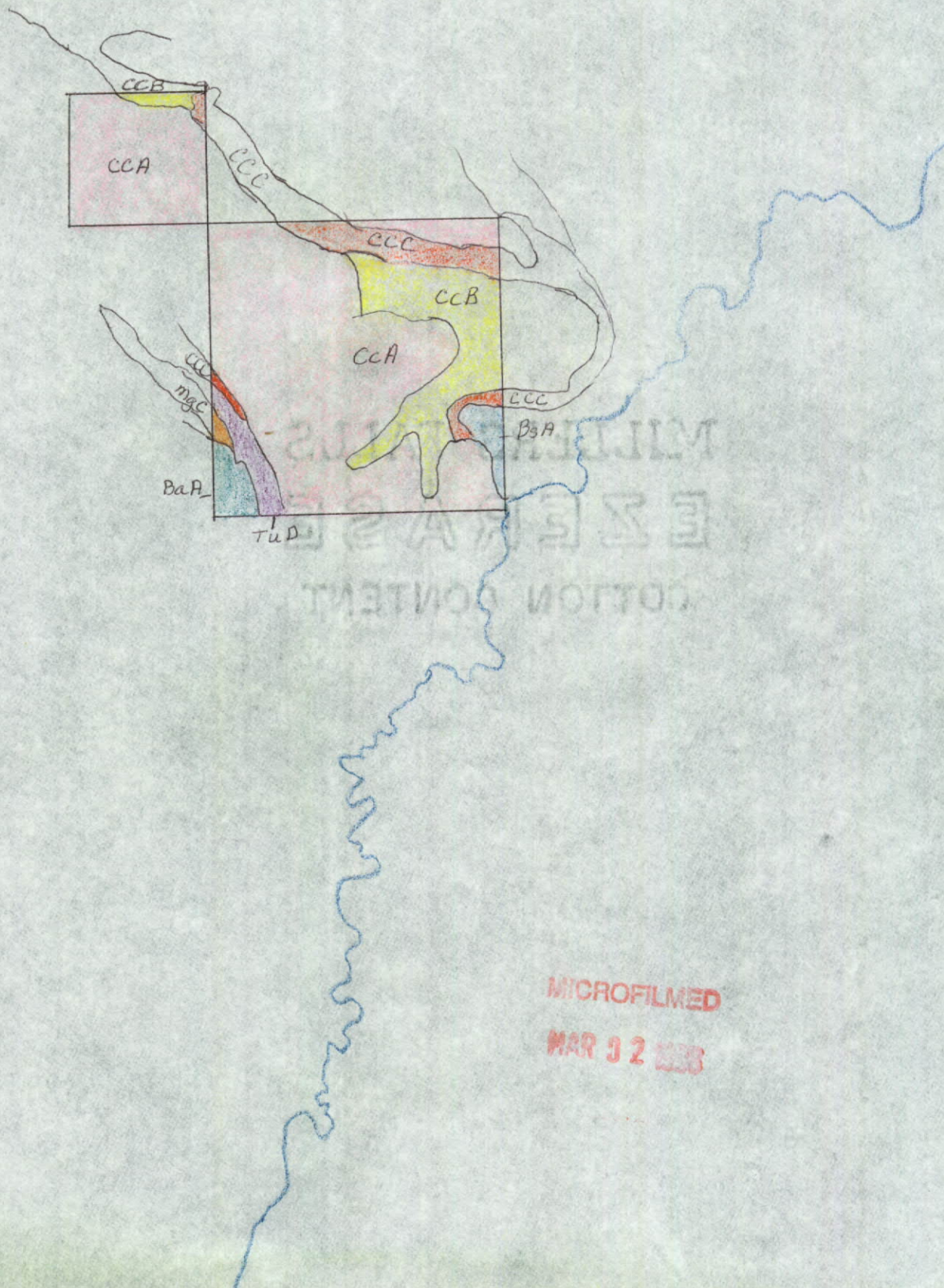
MICROFILMED
 MAR 3 2 1998

17

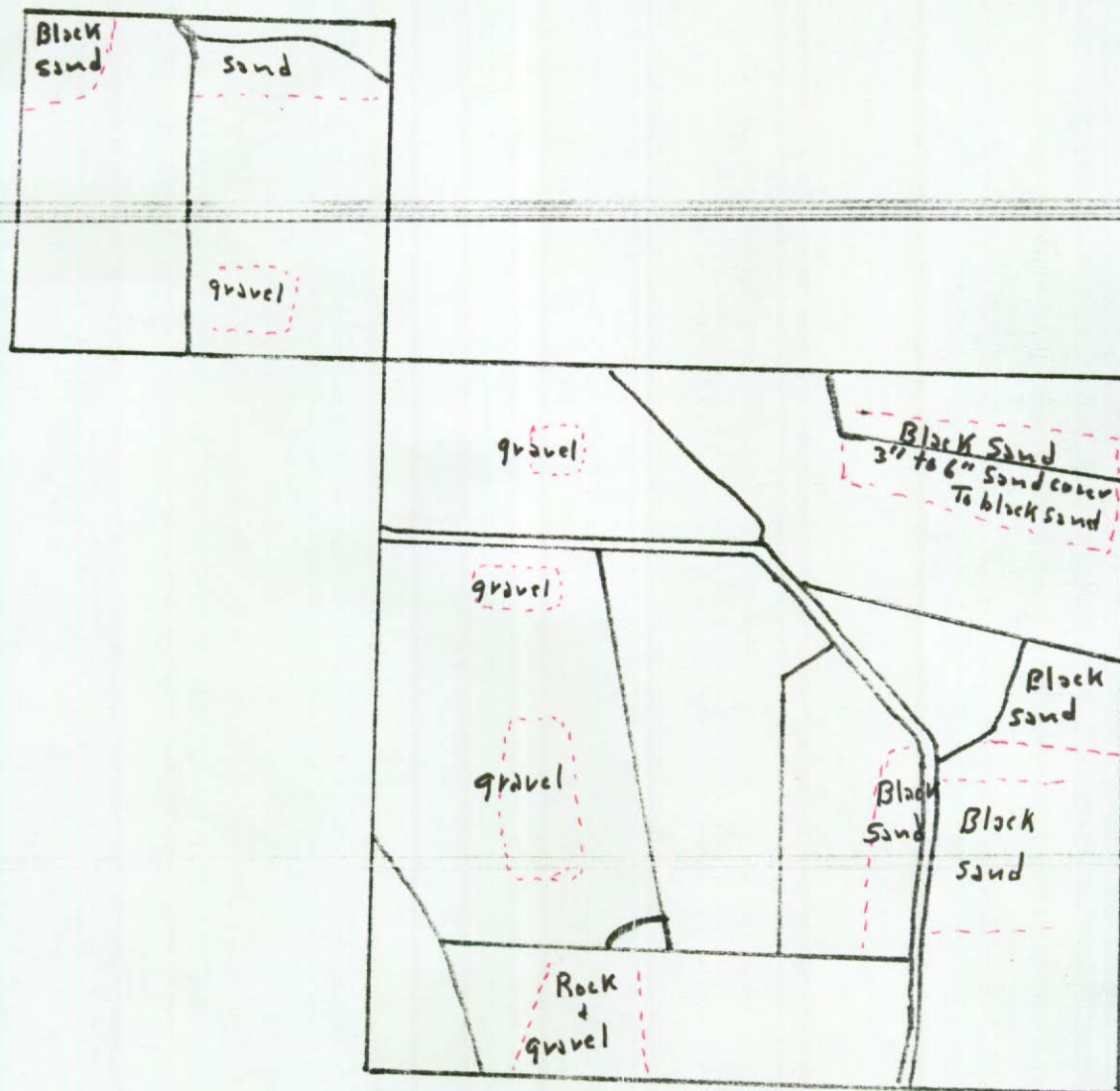
DATE ACRES

2





MICROFILMED
MAR 32 1983

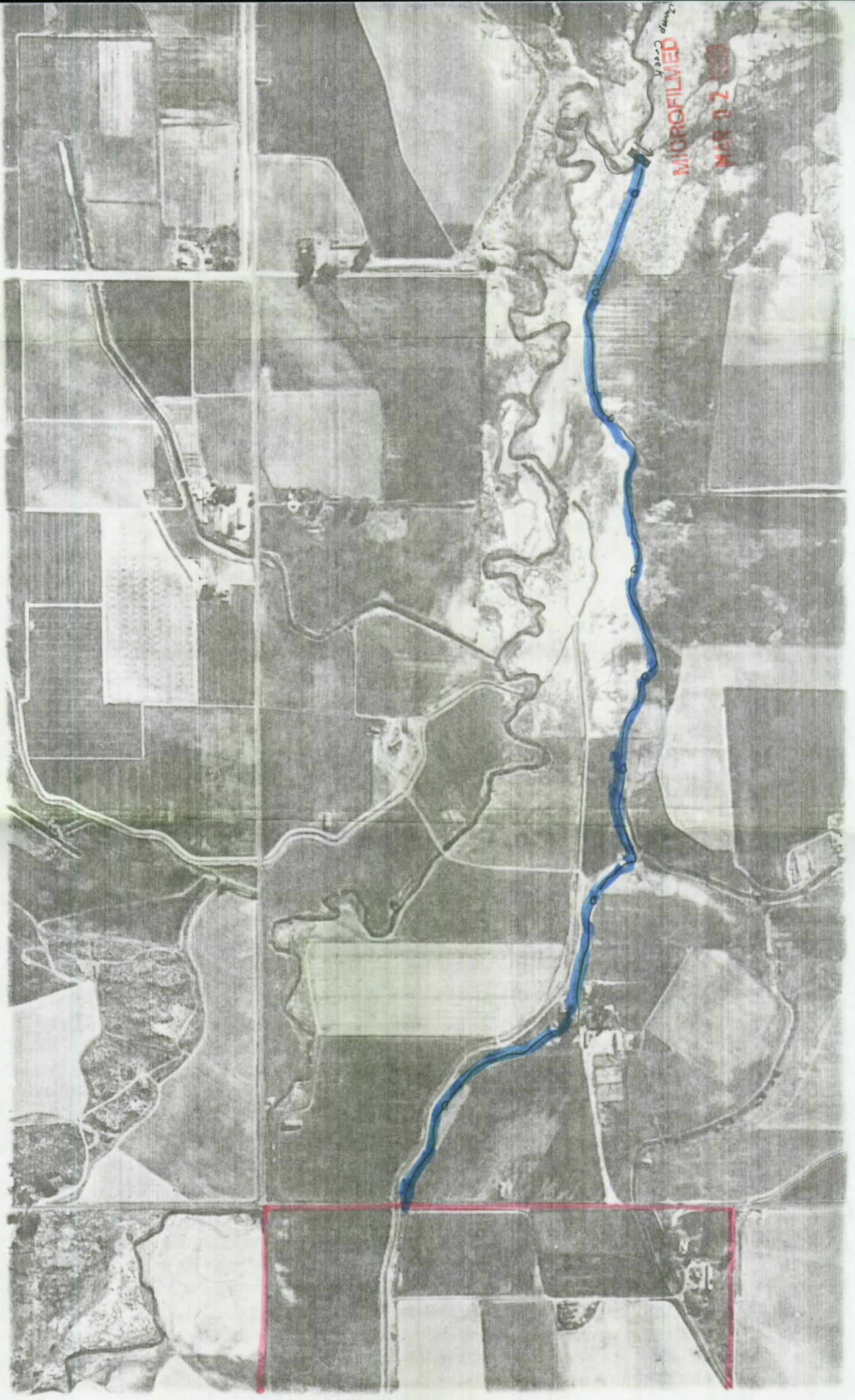


MICROFILMED

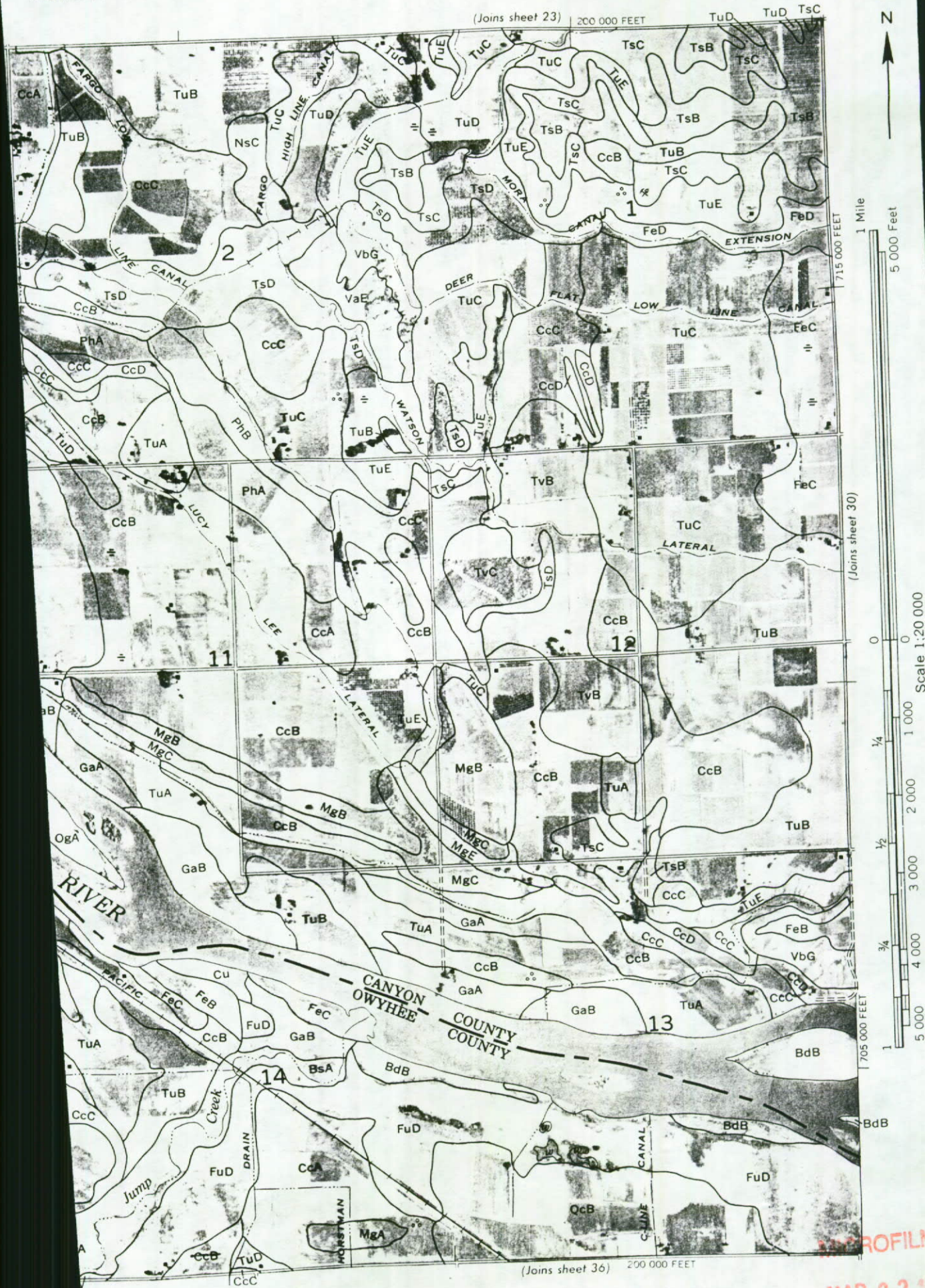
MAR 3 2 1998

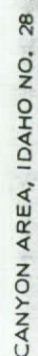
CONSERVATION PLAN MAP

Owner Ray Mansfelder State Idaho Date _____
County Owyhee Operator _____
Approximate acres _____
Cooperating with _____
Plan identification _____
Assisted by _____
USDA Soil Conservation Service



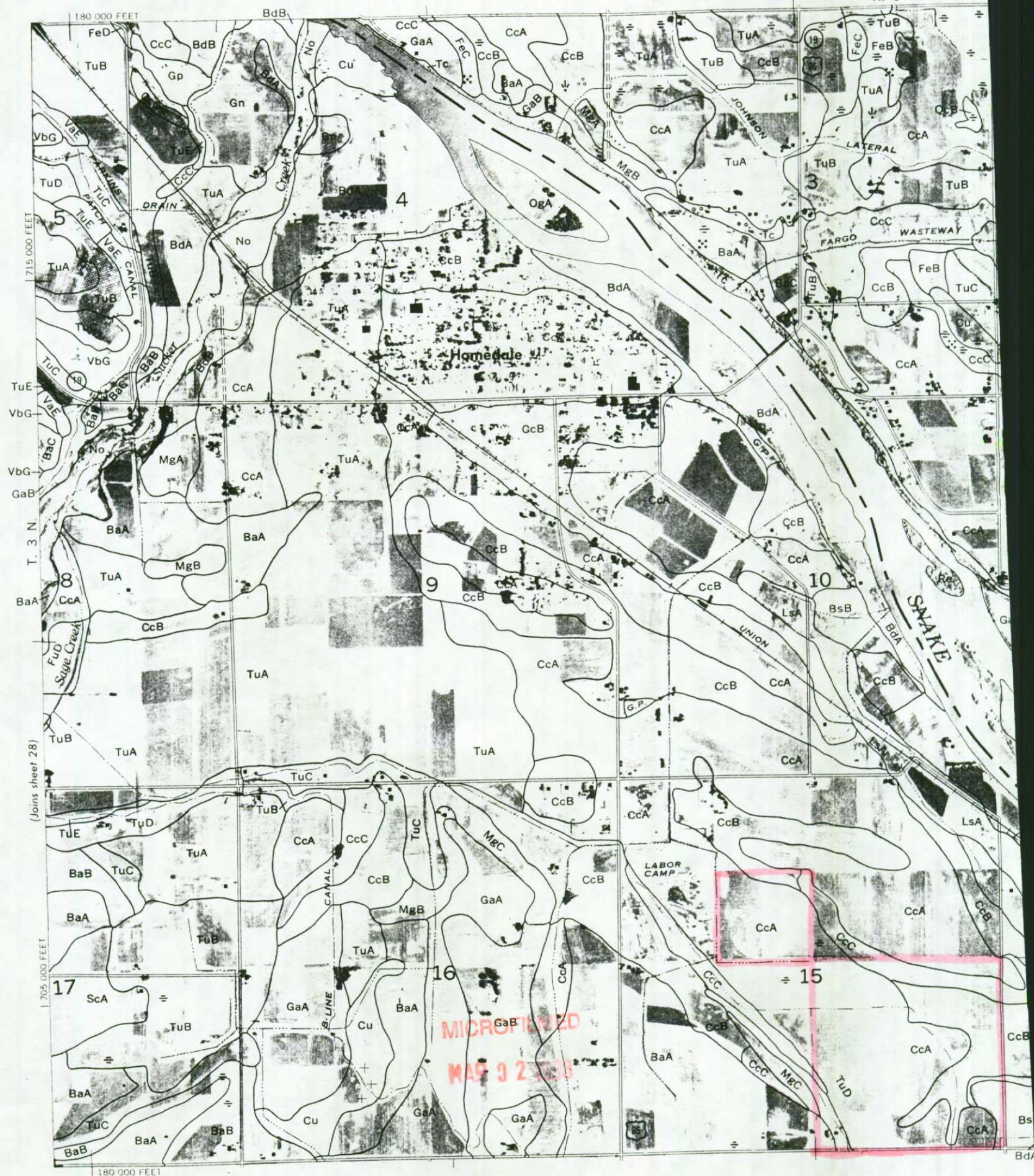
MICROFILMED
MAR 22 1980





Land division corners are approximately positioned on this map.

CANYON AREA, IDAHO NO. 27

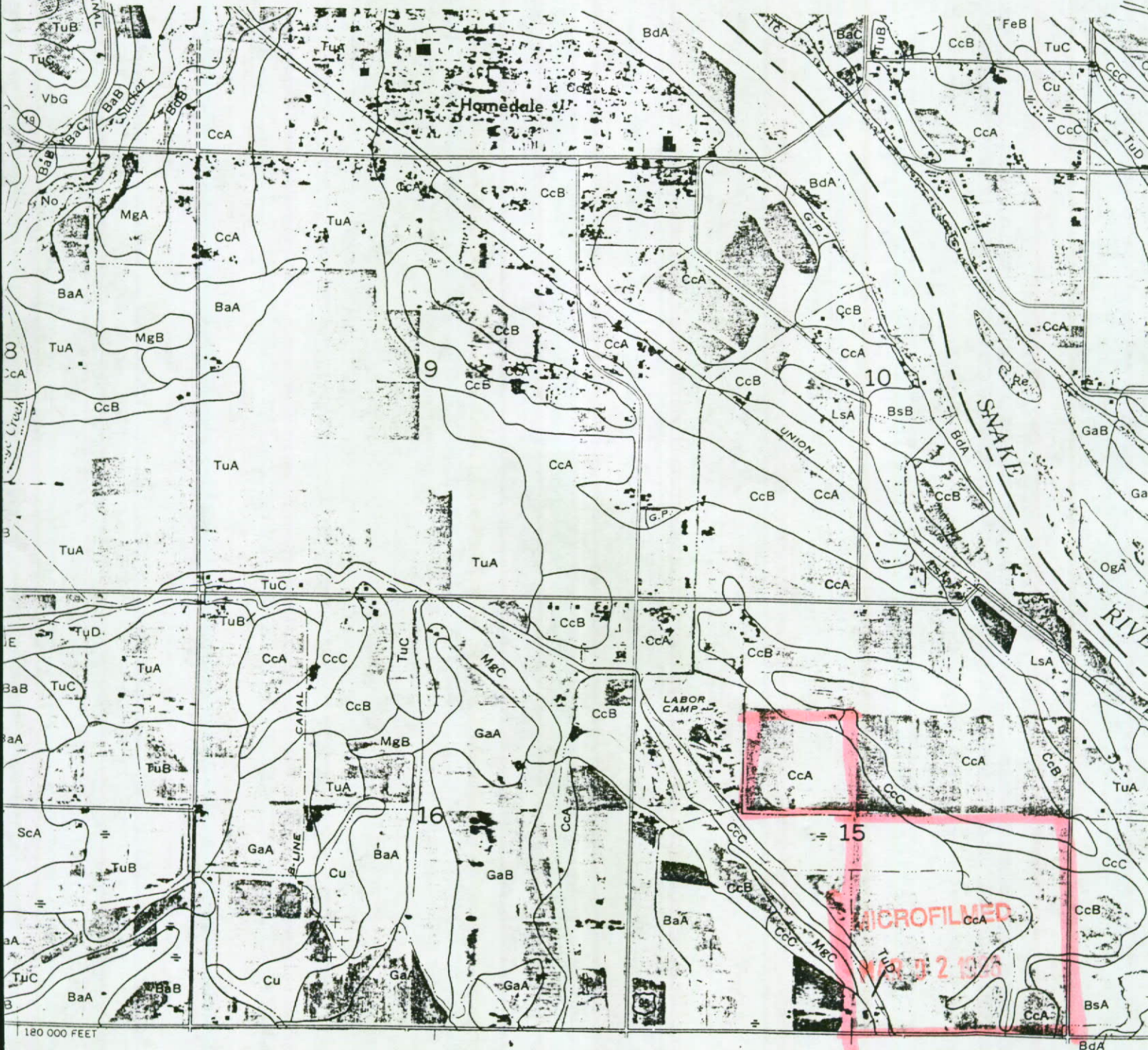


SCS-CONS-15
OCTOBER 1974

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL MAP

Owner Ray Mansisidor Operator _____
County Owyhee State Idaho
Soil survey sheet (s) or code nos. Canyon #29 Approximate scale 1:20,000
Prepared by U. S. Department of Agriculture, Soil Conservation Service cooperating
with Owyhee Conservation District

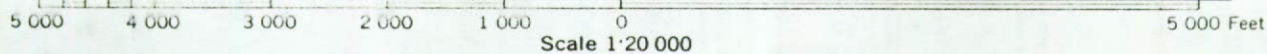


FIELD LENGTH



Levelled and
very flat
use .004
for all

MICROFILMED
MAR 3 2 1998

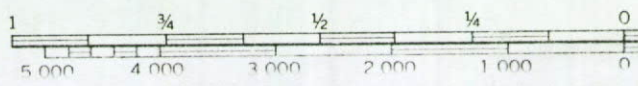




Joins sheet 36 | 200 000 FEET

705 000 FEET

Joins sheet 30



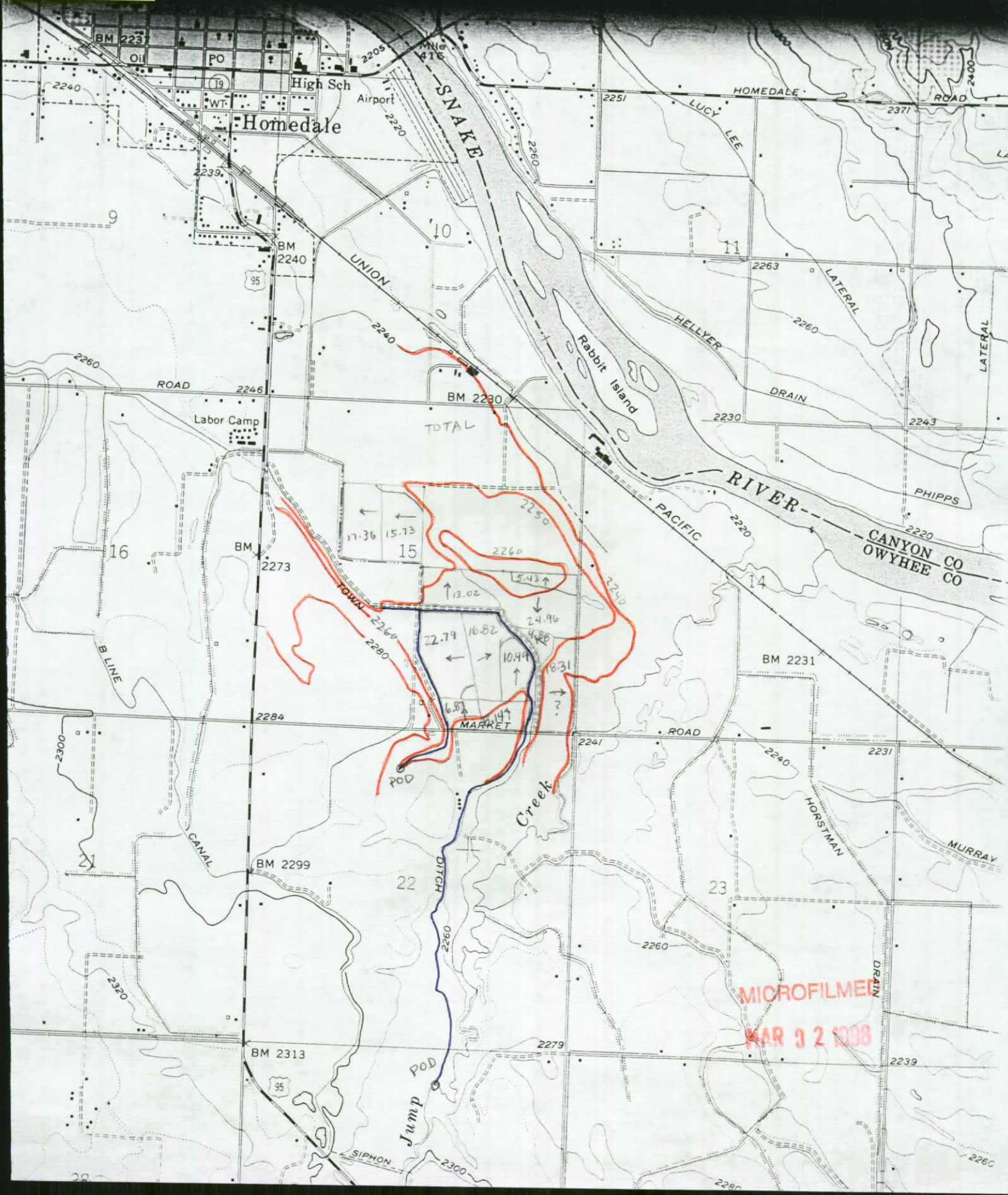
SSS.
1 01

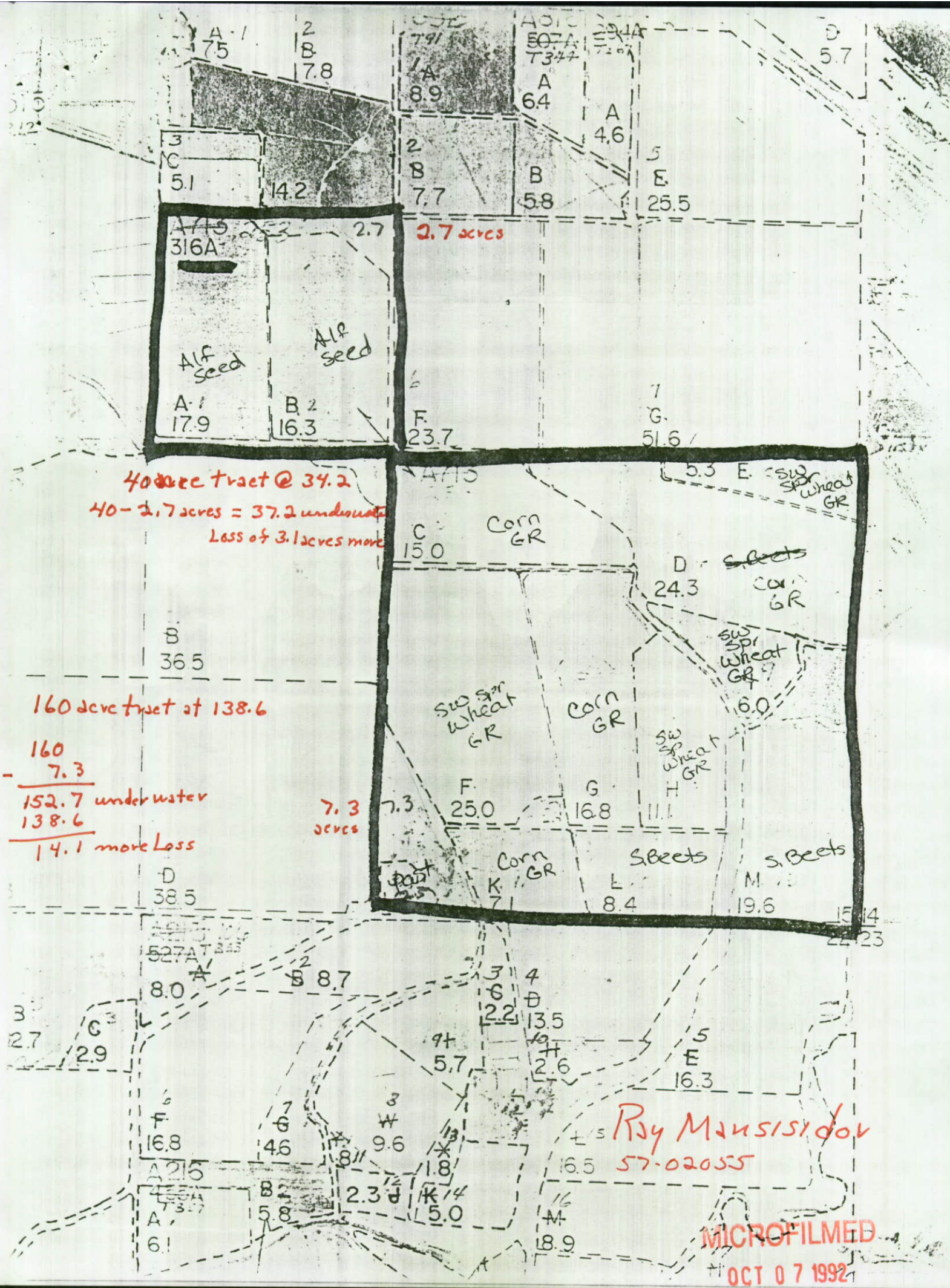
FIELD
SL
C.



7.60
6.51
1.51
10.31
10.31
10.85
12.31
7.60
8.68
8.14
22.24
22.74
18.45
17.96
17.90

photo



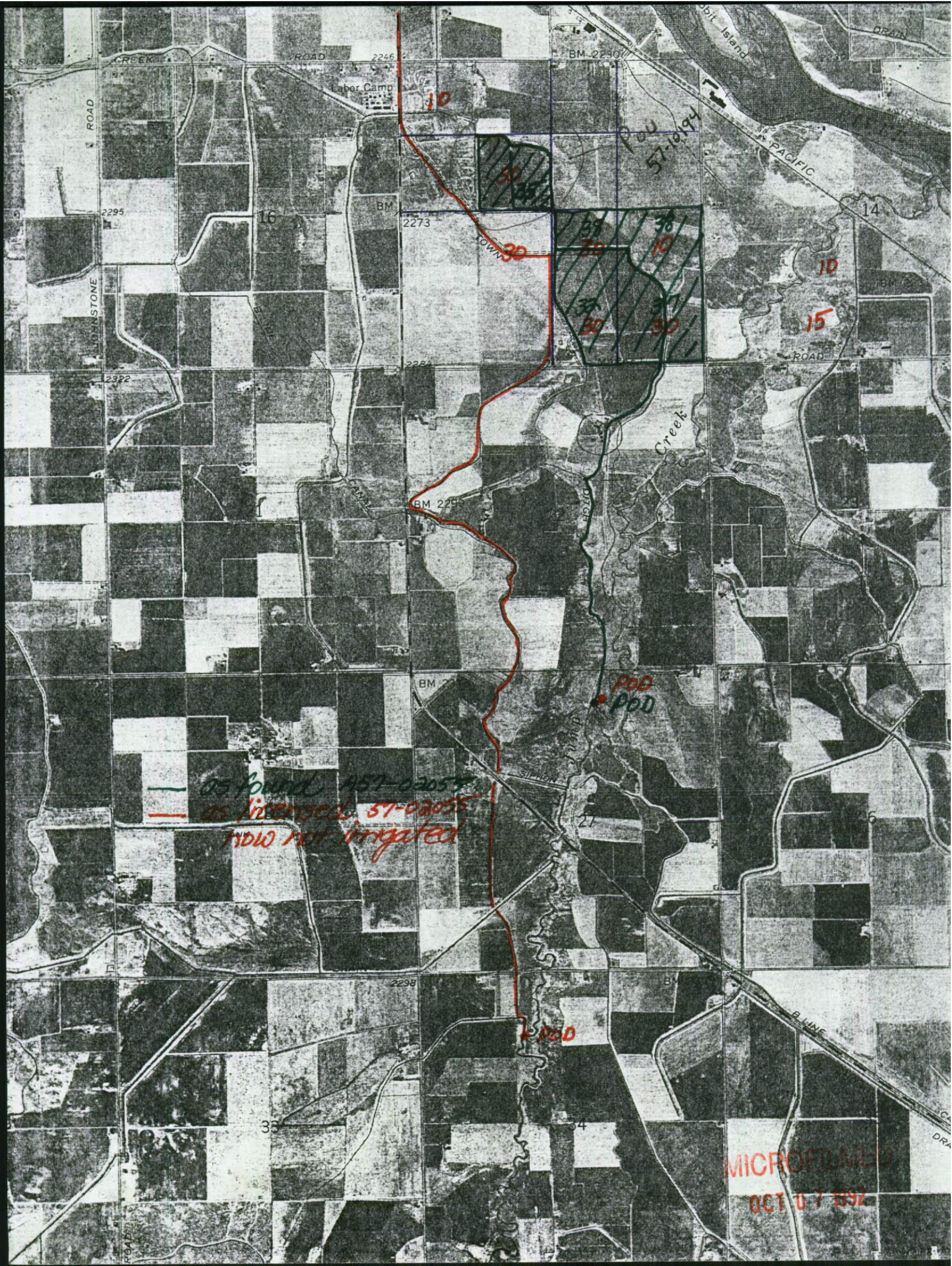




map date: 1979

POD 157-02055

MICROFILMED
OCT 07 1952



— as found 457-02053
— as intended 57-02055
now not irrigated

POD
POD

POD

MICROFILMED
OCT 07 1992



ASCS total: 1554.4 acres
Date flown: 1977

MICROFILMED
SEP 17 1982

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

57-02055

Ident. Number: ~~A57-11519~~

Date Received: 12/23/1988

Receipt No: _____

Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: MARY L MANSISIDOR 208-337-4295
Address: RT 1 BOX 1102
HOMEDALE ID 83628
AND/OR
Name: RAY MANSISIDOR 208-337-4295
Address: RT 1 BOX 1102
HOMEDALE ID 83628

2. Date of Priority: ~~MAR 1, 1913~~ 10/10, 1903

3. Source: JUMP CREEK Trib. to: SNAKE RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
03N	05W	27	NW	NW	NE		OWYHEE

5. Description of diverting works:
DIVERSION DAM AND DITCHES

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	03/15	11/15	7.000	5.7	

3.3 cfs. limited to use for conveyance loss.

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

8. Total consumptive use is 609.0 Acre Feet Per Annum. MICROFILMED

9. Non-irrigation uses:

MAR 2 1989

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
03N	05W	15	SE	NW		IRR	35.0

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
03N	05W	15	NE	SE		IRR	38.0
			NW	SE		IRR	26.0
			SW	SE		IRR	38.0
			SE	SE		IRR	37.0

Section Acres 174.0

Total Acres 174.0

11. Place of use in counties: OWYHEE

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

13. Other Water Rights Used:

57-10194

14. Remarks:

THE WATER RIGHT FOR THESE LANDS WAS DEVELOPED BEFORE THE LAND OWNER FILED WITH THE STATE TO DEVELOP WHAT BECAME LICENSED RIGHT 57-02055. CLAIMANTS WILL SHOW MORE WATER WAS DIVERTED FROM JUMP CREEK THAN WHAT IS SHOWN ON THE LICENSE. THE CLAIMANTS USE 3.7 CFS (185 INCHES) AT THE FIELD WHEREAS 7.0 CFS (350 INCHES) IS DIVERTED FROM THE CREEK AND CARRIED IN AN EARTH DITCH 1 1/4 MILES TO THE PLACE OF USE.

15. Basis of Claim: BENEFICIAL USE

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not No 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): Rae Mansisidor Date: 12-23-96
Mary L. Mansisidor Date: MICROFILMED 12-23-96
MAR 2 1997

IDWR - WESTERN REGION

CONTRACTOR: Karan Waters

CLAIM/ID: 57-02055

Date: 3-10-03

	TNS	RNG	SEC	NE				NW				SW				SE				Sum
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
Claim	3N	5W	15								35					38	26	38	37	174
GIS											35					35	37	31	36	174
Claim																				
GIS																				
Claim																				
GIS																				
Claim																				
GIS																				

Number of POD's 1

Total Claimed Acres: 174

Overlapping EOU Claim #'s:

57-10194

Total GIS Acres: 174

COMMENTS:

Per claim map & image interpretation.

Idaho Department of Water Resources

Claim Number: 57-02055
Legal: T03N, R05W, S15
Reviewed By:

☐ ☐ ☐ ☐ ☐

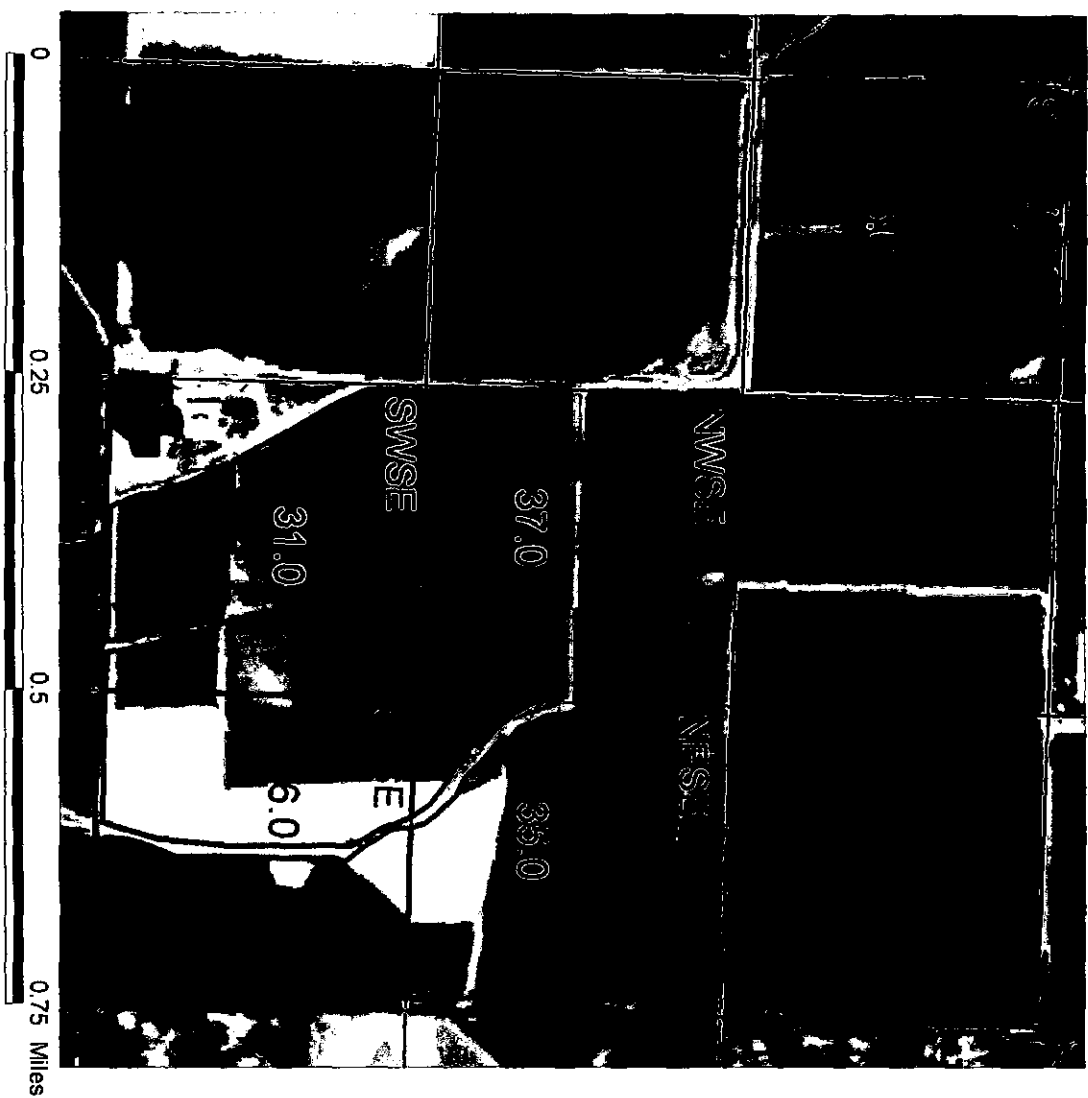
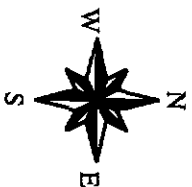
Point of Diversion
(Located outside of view)

Place of Use

Section Lines

Quarter Quarter Lines

Township/Range Lines



District Court
Snake River Basin Adjudication
PO Box 2707
Twin Falls, ID 83303-2707

Important Information About Your Water Right

January 3, 2003

Mary L Mansisidor
Ray Mansisidor
Rt 1 Box 1102
Homedale, ID 83628

RECEIVED

JAN - 6 2003

Department of Water Resources

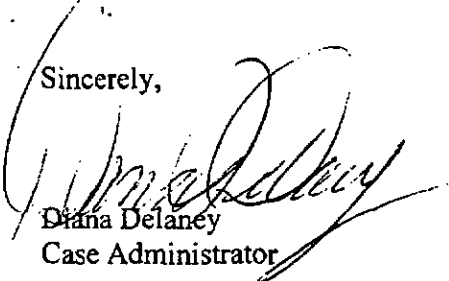
Dear Water Right Claimant(s):

This letter accompanies a copy of an *Order Amending Irrigation Period of Use Element in Partial Decree, Nunc Pro Tunc* (hereinafter "*Order*") for water right number 57-2055. According to Idaho Department of Water Resources (IDWR) records, you are the current owner of this water right. If you are not the current owner, please contact IDWR immediately at:

Idaho Department of Water Resources
1301 North Orchard
Boise, ID 83706
800-451-4129

The purpose of the *Order* is to set forth beginning and ending dates for the irrigation period of use for this water right. As stated in the face of the *Order*, this action was necessary following the decision of the Idaho Supreme Court in *A&B Irrigation Dist. v. Idaho Conservation League*, 131 Idaho 411, 423, 958 P.2d 568, 580 (1998). This *Order* also incorporates into the *Partial Decree* an express statement that the *Partial Decree* is subject to such general provisions necessary for the definition or for the efficient administration of the water right. This express statement is necessary to comply with the requirements of Idaho Code section 42-1412(6). This *Order*, in combination with the *Partial Decree* that was issued for this water right on September 12, 1997, sets forth all of the elements of your water right. The Snake River Basin Adjudication (SRBA) Court suggests that you keep this document in a safe location, together with a copy of the *Partial Decree* to show evidence of this water right. The original of the *Order* and the original of the *Partial Decree* for this water right are on file with SRBA Court. If you do not have a copy of the original *Partial Decree*, one can be obtained by contacting the SRBA Court at (208) 736-3011. Please note that the *Order* is entered *Nunc Pro Tunc*, meaning that the *Order* will be treated as if it were issued on the same date that the *Partial Decree* was originally issued.

Sincerely,


Diana Delaney
Case Administrator

2003 JAN 3 PM 4 41

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

In Re SRBA	)	Water Right 57-2055
	)	
Case No. 39576	)	ORDER AMENDING IRRIGATION PERIOD OF USE
	)	ELEMENT IN PARTIAL DECREE and
	)	INCORPORATING INTO PARTIAL DECREES AN
	)	EXPRESS STATEMENT REGARDING GENERAL
	)	PROVISIONS, <i>NUNC PRO TUNC</i>

A *Partial Decree* was entered for the above-captioned irrigation water right on September 12, 1997. The period of use element was decreed as "irrigation season." In *A&B Irrigation Dist. v. Idaho Conservation League*, 131 Idaho 411, 423, 958 P.2d 568, 580 (1998), the Idaho Supreme Court remanded with the directive to include specific dates for the period of use element. Following remand, on July 26, 1999, IDWR filed a *Supplemental Director's Report, Reporting Area 2, IDWR Basin 57, Regarding Revision of Period of Use (For Irrigation Water Uses) and Conjunctive Management General Provisions*, which included an irrigation period of use recommendation for this water right. No objections were filed to this *Supplemental Director's Report*.

THEREFORE, IT IS ORDERED that the period of use element for the irrigation portion of the above-captioned water right is hereby amended and decreed as:

PERIOD OF USE: 03-01 to 11-15

IT IS FURTHER ORDERED that the *Partial Decree* for the above-captioned water right is hereby amended and decreed to contain the following:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the court at a point in time no later than the entry of a final unified decree. I.C. section 42-1412(6).

This order is being entered *nunc pro tunc* as of the date the *Partial Decree* was issued and is not intended to modify subsequent administrative changes for the water right, if any, which occurred following entry of the *Partial Decree*.

RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.

Dated January 3, 2002.



ROGER BURDICK
Presiding Judge
Snake River Basin Adjudication

RECEIVED

SEP 15 1997

Department of Water Resources

1997 SEP 12 AM 9:22

DISTRICT COURT-SRBA
TWIN FALLS CO., IDAHO
FILED

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

In Re SRBA	)	ORDER OF PARTIAL DECREE
	)	
Case No. 39576	)	For Water Right 57-02055
_____	)	

On June 23, 1997, a *Special Master's Report and Recommendation* was filed for the above water right. No Challenges were filed to the *Special Master's Report and Recommendation* and the time for filing Challenges has now expired.

Pursuant to I.R.C.P. 53(e)(2) and *SRBA Administrative Order 1*, Section 14a, this court has reviewed the Findings of Fact and Conclusions of Law contained in the *Special Master's Report* and wholly adopts them as its own.

Therefore, IT IS ORDERED that water right 57-02055 be decreed as set forth in the attached *Partial Decree Pursuant to I.R.C.P. 54(b)*.

DATED September 12, 1997.



DANIEL C. HURLBUTT, JR.
Presiding Judge
Snake River Basin Adjudication

MICROFILMED
MAR 3 2 1998

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

In Re SRBA)
Case No. 39576)
_____)

SPECIAL MASTER'S RECOMMENDATION FOR
PARTIAL DECREE FOR
Water Right 57-02055

1997 JUN 23 AM 9:34
DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO
FILED DL

NAME & ADDRESS: MARY L MANSISIDOR
RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE ID 83628

SOURCE: JUMP CREEK TRIBUTARY: SNAKE RIVER

QUANTITY: 7.00 CFS

PRIORITY DATE: 10/10/1903

POINT OF DIVERSION: T03N R05W S27 NWNWNE Within Owyhee County

PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
	IRRIGATION	Irrigation Season	7.00 CFS

PLACE OF USE:	IRRIGATION	Within Owyhee County		
	T03N R05W S15	SENW 35.0	NESE 38.0	NWSE 26.0
	174.0 ACRES TOTAL	SESE 37.0		SWSE 38.0

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO THE
IRRIGATION OF A COMBINED TOTAL OF 174 ACRES IN A SINGLE
IRRIGATION SEASON.

DATED: 6/23/97

Fritz X. Haemmerle
FRITZ X. HAEMMERLE
Special Master
Snake River Basin Adjudication

RECEIVED

JUN 24 1997

Department of Water Resources
Adjudication Bureau

1997 JUN 23 AM 9:34

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

FILED LL

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

In Re SRBA	)	Subcase 57-02055
	)	
Case No. 39576	)	SPECIAL MASTER'S REPORT
_____	)	

FINDINGS OF FACT AND CONCLUSIONS OF LAW

A notice of claim was filed for this water right pursuant to I.C. § 42-1409 (1990) by Ray and Mary Mansisdor. The director of the State of Idaho Department of Water Resources examined the water system for areas 1, 2, and 3 and investigated and abstracted the notices of claims for those Reporting Areas. The Director of the Idaho Department of Water Resources then filed a *Director's Report* which asserted how the elements of this water right should be decreed by the court.

An objection to the *Director's Report* for water right 57-02055 was filed by Ray and Mary Mansisdor. Subsequently, a *Standard Form 5* was filed as to how the elements of this water right should be decreed. The *Standard Form 5* was accepted by the court.

A *Preliminary Special Master's Report and Recommendation* for this right was issued. No motion to alter or amend was filed and the time for filing such motions has now expired; therefore,

IT IS THEREFORE RECOMMENDED that subcase 57-02055 be decreed as recommended in the attached *Special Master's Report and Recommendation for Partial Decree*.

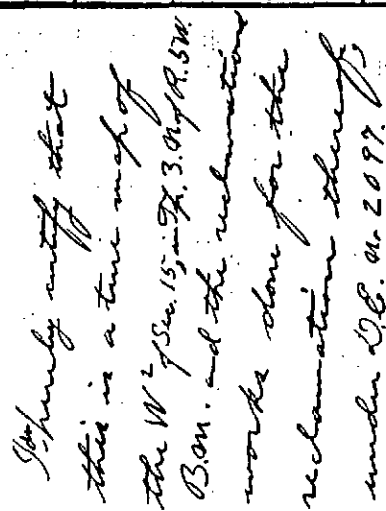
DATED 6/23, 1997.

MICROFILMED

MAR 12 1998

Fritz X. Haemmerle
FRITZ X. HAEMMERLE
Special Master, Reporting Area 2
Snake River Basin Adjudication

Map + first annual report
submitted to the Dept of
Interior of \$675.00 for
improvements + waterway
made April 21, 1904



Ida M. Schuch

MICROFILMED
MAR 12 1968

1997 JUN 23 AM 9:34

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

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

In Re SRBA)
Case No. 39576)
_____)

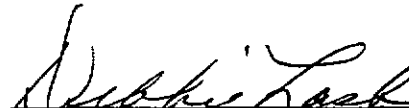
NOTICE OF ISSUANCE OF
SPECIAL MASTER'S REPORT
AND RECOMMENDATION

Water Right(s): 57-02055

On June 23, 1997, Special Master FRITZ X HAEMMERLE issued a SPECIAL MASTER'S REPORT AND RECOMMENDATION for the above subcase pursuant to SRBA Administrative Order 1 (AO1), Section 9.

Pursuant to SRBA Administrative Order 1, Section 14b, any party to the adjudication may file a Notice of Challenge to a SPECIAL MASTER'S REPORT AND RECOMMENDATION within 21 days following the date of publication of the filing of the Special Master's report in the Docket Sheet except parties to the subcase who failed to file a Motion to Alter or Amend before the Special Master (AO1, Section 9f). The Notice of Challenge shall appear on the Docket Sheet and shall be served on parties to the subcase(s) covered by the challenged report and the SRBA Court Reporter.

DATED June 23, 1997.


DEBBIE LASH
Deputy Clerk

1997 JUN 23 AM 9:34

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

FILED DL

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

In Re SRBA)

Case No. 39576)
_____)

CERTIFICATE OF MAILING

Water Right(s): 57-02055

CERTIFICATE OF MAILING

I certify that a true and correct copy of the SPECIAL MASTER'S REPORT, SPECIAL MASTER'S RECOMMENDATION FOR PARTIAL DECREE and NOTICE OF ISSUANCE OF SPECIAL MASTER'S REPORT AND RECOMMENDATION were mailed on June 23, 1997, with sufficient first-class postage prepaid to the following:

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

MARY L & RAY MANSISIDOR
ROUTE 1, BOX 1102
HOMEDALE, ID 83628

MARY L & RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE, ID 83628

Debbie Lash
DEBBIE LASH
Deputy Clerk

MICROFILMED
MAR 3 2 1997

CERTIFICATE OF MAILING

PAGE 1
06/23/97

1997 SEP 12 PM 02:00
DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO
FILED _____

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

In Re SRBA	)	CERTIFICATE OF MAILING
	)	
Case No. 39576	)	
_____	)	Water Right(s): 57-02055

CERTIFICATE OF MAILING

I certify that a true and correct copy of the PARTIAL DECREE
PURSUANT TO I.R.C.P. 54(b) for WATER RIGHT 57-02055 was mailed
on September 12, 1997, with sufficient first-class postage prepaid
to the following:

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

MARY L & RAY MANSISIDOR
ROUTE 1, BOX 1102
HOMEDALE, ID 83628
Phone: 208-337-4295

MARY L & RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE, ID 83628
Phone: 208-337-4295

DIANA DELANEY
Chief Deputy Clerk

RECEIVED

APR 09 1997

Department of Water Resources

1997 APR 07 AM 07:33
DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO
FILED

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

In Re SRBA	)	NOTICE SETTING STATUS
	)	CONFERENCE
Case No. 39576	)	
_____	)	SUBCASE NO: 57-02055

Please be advised that Special Master FRITZ X HAEMMERLE
has set a Status Conference in the above subcase(s)
as follows:

FRIDAY, APRIL 18, 1997 at 11:30 AM

OWYHEE COUNTY COURTHOUSE
HIGHWAY 78
PO BOX 128
MURPHY, ID

Dated: APRIL 07, 1997

/S/ DEBBIE LASH
Deputy Clerk
Snake River Basin Adjudication

MICROFILMED
APR 9 1997

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

CERTIFICATE OF MAILING

I Certify that a true and correct copy of the NOTICE SETTING STATUS CONFERENCE was mailed on APRIL 07, 1997, with sufficient first-class postage to the following:

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

MARY L & RAY MANSISIDOR
ROUTE 1, BOX 1102
HOMEDALE, ID 83628
Phone: 208-337-4295

MARY L & RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE, ID 83628
Phone: 208-337-4295

MICROFILMED
MAR 12 1998

Elements where there has been no objection should be listed exactly as they appear in the director's report. The statement as to these uncontested elements shall state "as recommended in the director's report."

Contested elements that are the result of an objection filed with the court shall be accompanied by a statement fully describing all facts, documents, expert opinions and law which support the element of the water right (attach additional pages if necessary).

ELEMENTS

1. The name and address of the claimant is:

Ray Mansisidor
Mary L. Mansisidor
Route 1
P.O. Box 1102
Homedale, Idaho 83628

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT.

2. The source of water is: Jump Creek, tributary to Snake River.

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT.

3. The quantity of water used in cubic feet per second or the quantity of water stored in acre-feet per year is:

3.70 cfs

Use of this right with right No. 57-10194 is limited to a total combined diversion rate of 3.70 cfs.

Required Statement: The claimant and IDWR agree this is a correct description of the quantity for this water right.

4. The priority date is: 11/13/1913

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT

5. The legal description of point(s) of diversion is; if the claim is for an instream flow, then a legal description of the beginning and ending points of the claimed instream flow:

T03N R05W S27 NWNWNE

Within OWYHEE County

MICROFILMED

MAR 3 2 1993

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT

6. The purpose of use is: Irrigation

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT

7. The period of year when the water is to be used is:

Irrigation: irrigation season 3.7 cfs

Required Statement: The claimant and IDWR stipulate that this is a correct description of the season of use for this water right.

8. The legal description of the place of use or of the reservation is:

T03N R05W S15 SENW 35.0 NESE 38.0 NWSE 26.0 SWSE 38.0
SESE 37.0

174.0 Acres Total

Use of this right with right nos. 57-10194 is limited to the irrigation of a combined total of 174.0 acres in a single irrigation season.

Required Statement: The claimant and IDWR stipulate that this is a correct description of the place of use for this water right.

9. The annual volume of consumptive use is:

Use of this right with right nos. 57-10194 is limited to a total combined annual consumptive use volume of 609.0 acre feet.

Required Statement: The parties and IDWR stipulate that this is a correct description of the place of use for this water right.

10. Other matters necessary to define this water right:

Explanatory material:
Basis of Claim - License

MICROFILMED
MAR 9 2 1996

Review By IDWR

To speed up entry of a decree, the parties are encouraged to talk to the Idaho Department of Water Resources about their proposed settlement and have IDWR indicate its concurrence by signing the Standard Form 5.

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If IDWR has not concurred by signing below, signing parties certify that they have served a copy of this document on the Idaho Department of Water Resources and have made a good faith attempt to obtain IDWR's concurrence, but have failed.

The stipulation of the parties is attached hereto and incorporated herein by reference.

Signatures and Addresses of Parties and their Attorney of Record (attach additional page if necessary):

I have read this form and know its contents and that the statements are true to the best of my knowledge.

Name: Ray Mansidor
Mary L. Mansidor

Address: Route 1, Box 1102
City/State/Zip: Homedale, Idaho 83628
Attorney of Record:

Name: Idaho Dept. of Water Resources

Address: P.O. Box 83720
City/State/Zip: Boise, ID 83720-0098
Attorney of Record: J. Andrew Helmlinger

<u>Ray Mansidor</u>	<u>12-23-96</u>	<u>J. Andrew Helmlinger</u>	<u>Dec 23, 96</u>
Party's Signature	Date	Attorney's Signature	Date

<u>Mary L. Mansidor</u>	<u>12-23-96</u>
Party's Signature	Date

MICROFILMED

MAR 9 2 1993

INSTRUCTIONS FOR MAILING

You must mail this form, including all attachments, to the Clerk of the SRBA Court and to the parties identified in the Certificate of Mailing. **FAX filings will not be accepted by the SRBA Clerk of the Court.**

You must sign the Certificate of Mailing to show that you followed these steps.

CERTIFICATE OF MAILING

I certify that on _____, 199__, I mailed the original and copies of this form, including all attachments, to the following persons by mailing the original and/or copies, postage prepaid and addressed as follows:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
253 Third Avenue North
P. O. Box 2707
Twin Falls, Idaho 83303-2707

2. Copies to:

Chief, Natural Resources Division
Office of the Attorney General
State of Idaho
P.O. Box 83720
Boise, ID 83720-0098

Ray Mansisor
Mary L. Mansisor
Route 1
P.O. Box 1102
Homedale, ID 83628

Signature of person or attorney mailing the form



STATE OF IDAHO

OFFICE OF THE ATTORNEY GENERAL
BOISE 83720

ALAN G. LANCE
ATTORNEY GENERAL

DEPARTMENT OF WATER RESOURCES
1301 NORTH ORCHARD ST.
BOISE, IDAHO 83706-2237
TELEPHONE: (208) 327-7920

December 17, 1996

Ray Mansisidor
Mary L. Mansisidor
Route 1
P.O. Box 1102
Homedale, Idaho 83628

Re: *SRBA Subcase 57-02055 (Ray and Mary Mansisidor)*

Dear Mr. and Mrs. Mansisidor:

IDWR has reviewed the documents you provided in reference to your claimed water right. After reviewing the material, IDWR can conclude your farm can beneficially use all the water available under licensed right 57-02055. Accordingly, IDWR will agree to sign the required court document to resolve the elements of your claim and conclude your subcase (Standard Form 5).

I have enclosed a proposed Standard Form 5 document for your water right. Please review the document. If it is acceptable to both of you, would you both sign it and return the original copy to me in the enclosed envelope? I will file the SF-5 with the court. The court may hold a hearing shortly thereafter to formally accept the agreement. The court will provide you notice if a hearing will be held. After the court accepts the agreement, it will begin the process of issuing a decree for the right.

MICROFILMED

To be perfectly clear about the quantity involved I must raise another issue. License 57-02055 allows you 185 inches of water, or 3.7 cfs. The quantity of water from this right, measured at the headgate, cannot exceed this amount. However, the material you provided indicates that you may, in fact, need the entire 3.7 cfs for actual irrigation. You probably do get this much water to your farm because some water is lost in your ditches. Your water

12/17/96.jah

right does not accommodate water lost through the ditch.

What this means is you may want to consider filing a late claim based upon beneficial use for a water right to supply the conveyance water so that you can get the entire 3.7 cfs to your farm. I cannot guarantee that such a right would be approved; I cannot tell you what quantity of water is connected with the possible water right. IDWR would have to investigate the any such claim to be more specific. By filing for the new right, you would begin the entire adjudication process all over for this new right, including possible objections and possible litigation. It would not affect 57-02055.

Again, I only mention this for you to consider. Do not hesitate to call me if you wish to discuss this option or if you have any questions regarding settlement of 57-02055. My direct line is (208) 327-5446. I look forward to resolving this subcase soon.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Andrew Helmlinger", with a large, stylized flourish at the end.

J. Andrew Helmlinger

enc. SF-5, 57-02055

MICROFILMED
MAR 3 2 1993

12/17/96.jah

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

In Re SRBA	)	STANDARD FORM 5
	)	
Case No. 39576	)	
	)	SUBCASE NO: 57-02055
	)	
	)	STIPULATED ELEMENTS OF A
	)	WATER RIGHT

THIS FORM MAY ONLY BE USED IF ALL PARTIES HAVE STIPULATED TO ALL ELEMENTS OF ONE WATER RIGHT AND MAY BE SUBMITTED AT ANY TIME FOLLOWING THE CLOSE OF THE STATUTORY RESPONSE PERIOD.

INSTRUCTIONS

This form has been adopted by the court in SRBA Administrative Order 1, Rules of Procedure (amended Sept. 30, 1996, Section 4, which may be consulted for further information.

This form is used to report the stipulated elements of one water right acquired under state law and/or one federal reserved water right. Submission of this form will not automatically result in the issuance of a partial decree. The Presiding Judge or Special Master will conduct any hearing necessary to determine whether the facts, data, expert opinions and law support the issuance of a partial decree for the water right.

The parties agree that the Snake River Basin Adjudication Court has jurisdiction of the parties and subject matter to enter a partial decree for this water right; and they have been served with sufficient process, according to the law; and that they have appeared, prosecuted and defended their positions with regard to this water right dispute.

A copy of this water right as recommended in the Director's Report shall be submitted with this form. A statement shall accompany each element of a water right.

Elements where there has been no objection should be listed exactly as they appear in the director's report. The statement as to these uncontested elements shall state "as recommended in the director's report."

Contested elements that are the result of an objection filed with the court shall be accompanied by a statement fully describing all facts, documents, expert opinions and law which support the element of the water right (attach additional pages if necessary).

ELEMENTS

1. The name and address of the claimant is:

Ray Mansisidor
Mary L. Mansisidor
Route 1
P.O. Box 1102
Homedale, Idaho 83628

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT.

2. The source of water is: Jump Creek, tributary to Snake River.

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT.

3. The quantity of water used in cubic feet per second or the quantity of water stored in acre-feet per year is:

3.70 cfs

Use of this right with right No. 57-10194 is limited to a total combined diversion rate of 3.70 cfs.

Required Statement: The claimant and IDWR agree this is a correct description of the quantity for this water right.

4. The priority date is: 11/13/1913

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT

5. The legal description of point(s) of diversion is; if the claim is for an instream flow, then a legal description of the beginning and ending points of the claimed instream flow:

T03N R05W S27 NWNWNE Within OWYHEE County

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT

6. The purpose of use is: Irrigation

Required Statement: AS RECOMMENDED IN THE DIRECTOR'S REPORT

7. The period of year when the water is to be used is:

Irrigation: irrigation season 3.7 cfs

Required Statement: The claimant and IDWR stipulate that this is a correct description of the season of use for this water right.

8. The legal description of the place of use or of the reservation is:

T03N R05W S15 SENW 35.0 NESE 38.0 NWSE 26.0 SWSE 38.0
SESE 37.0

174.0 Acres Total

Use of this right with right nos. 57-10194 is limited to the irrigation of a combined total of 174.0 acres in a single irrigation season.

Required Statement: The claimant and IDWR stipulate that this is a correct description of the place of use for this water right.

9. The annual volume of consumptive use is:

Use of this right with right nos. 57-10194 is limited to a total combined annual consumptive use volume of 609.0 acre feet.

Required Statement: The parties and IDWR stipulate that this is a correct description of the place of use for this water right.

10. Other matters necessary to define this water right:

Explanatory material:
Basis of Claim - License

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MAR 12 1996

Review By IDWR

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I have read this form and know its contents and that the statements are true to the best of my knowledge.

Name: Ray Mansisidor
Mary L. Mansisidor
Address: Route 1, Box 1102
City/State/Zip: Homedale, Idaho 83628
Attorney of Record:

Name: Idaho Dept. of Water Resources
Address: P.O. Box 83720
City/State/Zip: Boise, ID 83720-0098
Attorney of Record: J. Andrew Helmlinger

Party's Signature Date

Attorney's Signature Date

Handwritten signature and date

Party's Signature Date

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State of Idaho
P.O. Box 83720
Boise, ID 83720-0098

Ray Mansisidor
Mary L. Mansisidor
Route 1
P.O. Box 1102
Homedale, ID 83628

Signature of person or attorney mailing the form

MICROFILMED

MAR 3 2 1993

4-199.

DESERT LANDS.—ACTS OF MARCH 3, 1877, AND MARCH 3, 1891.

Department of the Interior,

UNITED STATES LAND OFFICE,

No. 2097

Boise Idaho

April 21, 1901

It is hereby certified that under the provisions of the act of Congress approved March 3, 1877, entitled "An act to provide for the sale of desert lands in certain States and Territories," as amended by the act approved March 3, 1891, William R. Schenck of Caldwell, Canyon Co., Idaho has this day filed in this office his declaration of intention to reclaim the following-described tract of land, viz:

W² Sec. 15, T. 3 N., R. 5 W.
(320 acres)

that he has filed evidence to show that the said tract of land is DESERT LAND as defined in the second section of said act, and that he has paid to the receiver the sum of Eighty dollars, being at the rate of twenty-five cents per acre for the land above described.

Harry J. [Signature]
Register.

Edmund [Signature]
Receiver.

\$ 80⁰⁰

Certain proof must be made each year for three years, and within four years from the date of this certificate, final proof and payment are, by law, required to be made.

Notice of intention to make final proof must be filed by the claimant with the register and published in a news paper designated by him for a period of thirty days or in six consecutive issues of said paper—which notice must also contain the names of the witnesses by whom the necessary facts will be established.

Allowed by Comr's letter Feb. 12, 1901

[illegible]

This is the map of the convergence ditch. It shows about $1\frac{1}{8}$ miles but measures about 1.27 miles. Enclosed are the figures by measuring the ditch width and depth.

The ditch runs through very porous soil, alkali soil, & sand before entering the farm and has a 40% to 50% loss due to soil infiltration and surface evaporation.

The water enters this farm at about 185 in, and it is very necessary to keep this flow to irrigate properly. Most of the crop irrigations are on 12 hr shifts but sometimes in the middle of July I go to on 8 hr shift, 06:00, 14:00, + 22:00 for about 4 or 5 days to catch up.

There is little room for error so constant managing the irrigation is very important.

Any reduction in this water would seriously reduce the ability to grow a normal crop.

Ray Mansiridon

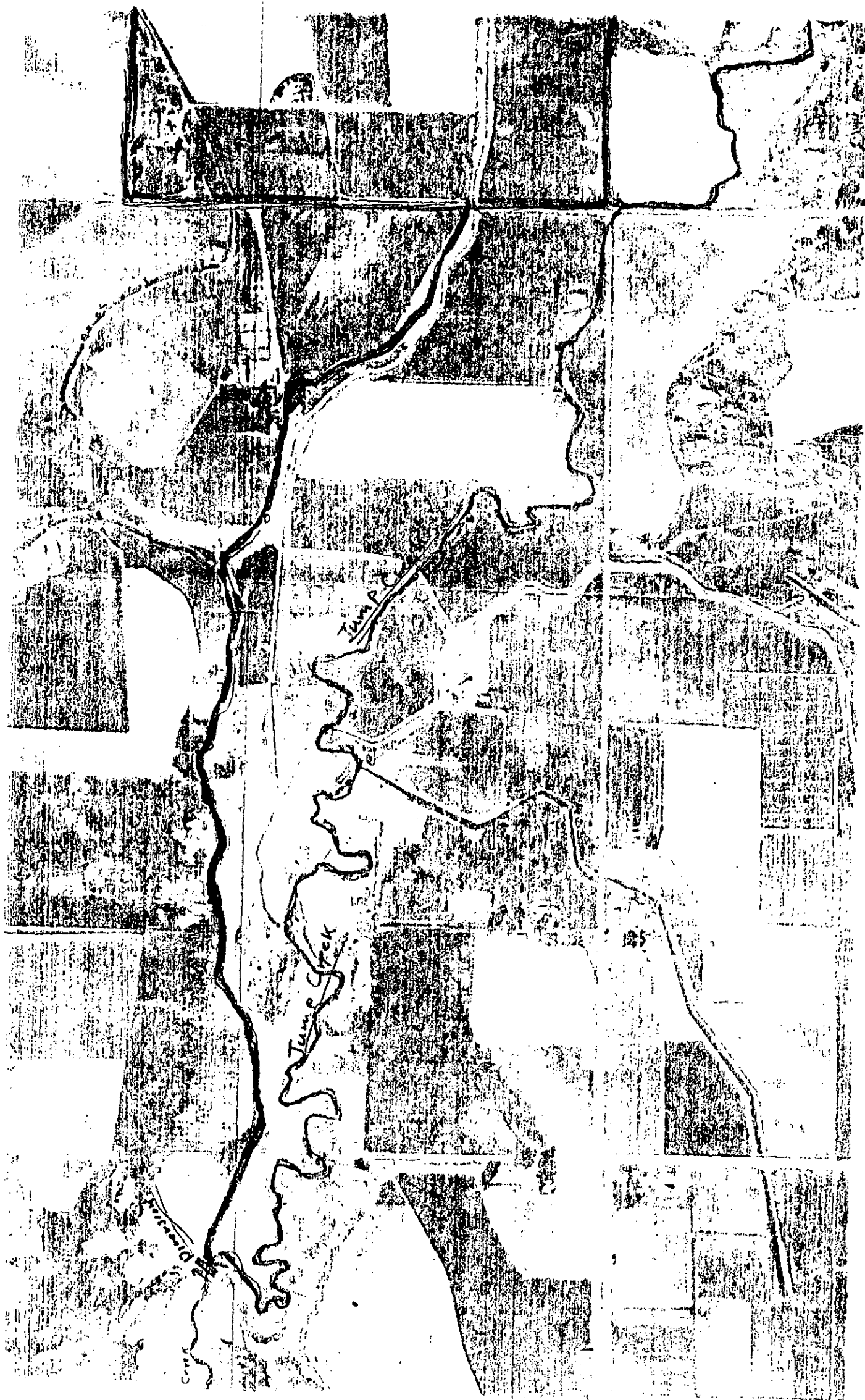
MICROFILMED

MAR 9 2 1964

Conservation Plan Map

Ray Mansisidor

County Dunbar State Idaho Date _____
Approximate acres 660 Approximate scale 1"=660'
Cooperating with Dunbar Soil Conservation District
Plan Identification _____ Photo number 777-118
Assisted by _____ USDA Soil Conservation Service



185" water
Beets 6 to 7 days
Seed 7 days or longer
Corn 4 to 5 days
Corn 7 days

Beets 44" to 22"
Seed 44"
Corn 44"
12 hr set
8 hr set
set time (in hours)

870 ft in length
500 ft and shorter rows
average about 550'
88 1" plus 65 to 70 1 1/2" pipes at anyone
Tanner Set

SPRINKLER (COMPLETE BELOW BASED ON PEAK USE)

corner pivot ☐ solid set ☐	
lateral move ☐ gun/boom ☐	
average nozzle flow (gallons per minute)	nozzle spacing (feet)
average lateral length (feet)	lateral spacing (feet)
number of laterals	circle length (feet)
number of impact heads	number of spray heads
set time (hours)	frequency (days)

8. CONTOUR DITCH (COMPLETE BELOW BASED ON PEAK USE)

inflow (cfs)	field slope (%)
ditch length (feet)	distance between ditches (feet)
application depth (inches)	set time (hours)
frequency (days)	

CONVEYANCE FROM SOURCE TO FARM

UNLINED DITCH		
length (feet) 6732 feet	average depth (inches) six inches	average width (inches) 72"
LINED DITCH		
length (feet) None	average depth (inches)	average width (inches)
PIPELINE		
length (feet) None		diameter (inches)

ON-FARM DISTRIBUTION

UNLINED DITCH		
length (feet)	average depth (inches)	average width (inches)
LINED DITCH		
length (feet)	average depth (inches)	average width (inches)
PIPELINE		
length (feet)		diameter (inches)

12. HAVE YOU CHANGED YOUR IRRIGATION SYSTEM FROM THE ONE HISTORICALLY USED? (FOR EXAMPLE, LAND LEVELING, CHANGING LENGTH OF RUNS, CHANGE FROM FURROW TO SPRINKLER, ETC.)
IF YES, PLEASE DESCRIBE The ditches remain relatively the same. Land leveling was done to make the irrigating more efficient and putting in cement ditches in place of dirt ditches

MICROFILMED
MAR 9 2 1963

HAVE YOU HAD ANY IRRIGATION SYSTEM DESIGNING OR FARM SOIL SURVEYS COMPLETED OR IRRIGATION EQUIPMENT DESIGNING?	
IF YES, PLEASE DESCRIBE AND ATTACH COPIES	

$$\begin{array}{r} 4.68 \\ 2.32 \\ \hline 7.00 = 350 \\ \text{CFS} \end{array}$$

$$1 \text{ CFS} = \frac{50 \text{ in.}}{2}$$

Estimating ditch flows across a 6' wide section averaging 6" in depth by comparing a 6' wide rectangular weir with .5 foot of head - estimated flow is 7 CFS or 350 inches. See attached

Table for weir flows

diverted flow
at property

Estimated water loss

$$350 \text{ inches} - 185 \text{ in} = 165 \text{ inches}$$

$$\frac{165}{350} = 47\% \text{ loss}$$

Losses due to both surface evaporation and
Soil infiltration.

MICROFILMED

MAR 3 2 MICROFILMED

MAR 3 2 1953

United States Natural P.O. Box 486
Department of Resources Marsing, ID
Agriculture Conservation 83639
 Service

November 18, 1996

Subject: Mansisidor Farm

To Whom It May Concern,

Mr. Ray Mansisidor requested an evaluation on soils on his farm located on Market Rd. in Owyhee county. This evaluation request centered on the soils ability to hold water required for producing viable irrigated crops including corn, beets, alfalfa seed, clover seed and other locally grown crops.

The majority of the farm fields have soils described as Cencove fine sandy loams. There are also Bram silt loams and small areas of Turbyfill find sandy loams.

These soils are listed in the "Soil Survey of Canyon Area, Idaho". Cencove find sandy loams are listed as having a low available water holding capacity (0.12-0.14 in./in. in the 0 to 35 inch depth and 0.04 - 0.06 in./in below the 35 inch depth). Due to the low water holding capacity, additional water must be applied above the standard "inch per acre" to grow viable crops.

In addition, the Bram silt loams are susceptible to salt accumulations and additional water must be applied to keep salts flushed to ensure no crop damage.

Mr. Mansisidor has an irrigation system capable of providing ~~reasonable management of his irrigation water and uses this~~ system to its best advantage in raising his crops.

Given these circumstances, it is my opinion that it is reasonable for Mr. Mansisidor to have to use more than 1 inch per acre to grow viable crops.

Sincerely,



Bob Bartholomew
District Conservationist
Marsing Field Office

MICROFILMED

MAR 9 2 1997

The Natural Resources Conservation Service,
formerly the Soil Conservation Service
is an agency of the United States Department of Agriculture
EQUAL OPPORTUNITY EMPLOYER

21

To: File: 57-02055

From: J. Andrew Helminger

Re: SF-5; 57-02055

Date: December 23, 1996

MEMORANDUM

Ray and Mary L. Mansisidor have signed an SF-5 document for water right 57-02055. In meeting with Dan Schaff, it became apparent that they may have a water right that encompasses 57-02055 with an earlier priority date and quantity sufficient to accommodate conveyance loss.

Don Schaff reviewed other documents from the Mansisidors and found that their property requires more than one inch of water per acre; water right 57-02055 provides 185 inches to 174 acres, but fails to provide water to accommodate the substantial conveyance loss. The Mansisidors met with Don Schaff to discuss filing a notice of claim for the conveyance water. It was then that Don Schaff determined the Mansisidors might have a claim to the earlier, larger water right.

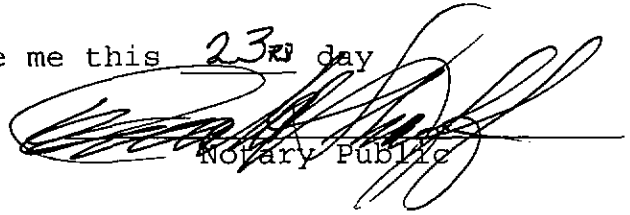
In light of the above, IDWR will not file the signed SF-5 agreement unless one of the following circumstances occur:

- 1) the court denies the Mansisidor's motion for late claim to assert the earlier, larger water right;
- 2) the court issues a partial decree for the possible water right that does not encompass or include water from 57-02055 or does not provide a better priority date.
- 3) Ray and Mary L. Mansisidor request IDWR file the SF-5.

The purpose of this writing is to inform any IDWR employee not to file the SF-5 document for 57-02055 unless any of the above circumstances occur. The Mansisidors shall have every opportunity, within the court rules and guidelines, to assert a water right more correctly based upon the facts of a beneficial use appropriation.

State of Idaho)
County of Ada) SS.

Subscribed and sworn (or affirmed) before me this 23rd day
of DECEMBER 19 96


Notary Public

Residing at BOISE ID
My Commission Expires JUNE 10, 2000



MICROFILMED
MAR 22 1996

Review By IDWR

To speed up entry of a decree, the parties are encouraged to talk to the Idaho Department of Water Resources about their proposed settlement and have IDWR indicate its concurrence by signing the Standard Form 5.

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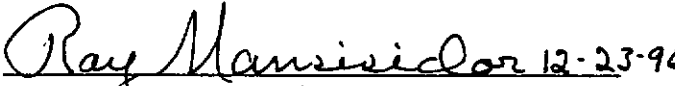
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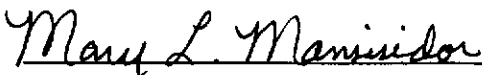
Name: Ray Mansisidor
Mary L. Mansisidor

Address: Route 1, Box 1102
City/State/Zip: Homedale, Idaho 83628
Attorney of Record:

Name: Idaho Dept. of Water Resources

Address: P.O. Box 83720
City/State/Zip: Boise, ID 83720-0098
Attorney of Record: J. Andrew Helmlinger

	
Party's Signature	Attorney's Signature
12-23-96	Dec 23, 96
Date	Date

	12-23-96
Party's Signature	Date

To: File, 57-02055

From: J. Andrew Helmlinger

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Date: December 23, 1996

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MICROFILMED

MAR 02 1997

The original right was licensed in 1913 for 185 acres. Mansidor acquired this right, but ~~acquired~~ owns 200 acres, slightly apart from acreage under license. He claimed use of 180 acres. There is clear evidence of the place of use being changed, but the claim does not consider an enlargement. The field exam (planimeter) showed 174 acres, so that's recommendation. Definitely no enlargement, but Mansidor wants to use base acreage as 200. That is first issue. The right is for 1" / acre over 185 acres. ²⁶ 8 acres of Manis prop. is not beneficially used, so 174 is total.

MICROFILMED

253250

MAY 16 1997

1997 MAY 15 PM 1:20

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

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

NOTICE OF ISSUANCE OF
PRELIMINARY SPECIAL MASTER'S
REPORT AND RECOMMENDATION

Water Right(s): 57-02055

These documents are served only on parties to the subcase. They are not served on the Presiding Judge. Parties to this subcase may file a Motion to Alter or Amend with the Special Master, but must do so before May 29, 1997.

DATED May 15, 1997.

Teri Hranac
TERI HRANAC
Deputy Clerk

MICROFILMED
MAR 3 2 1968

6187
NOV 29 1909

One Jan 12

SERIAL No. 0200

RECEIPT No. 419425

Form approved by the Secretary of the Interior, November 20, 1908.

DEPARTMENT OF THE INTERIOR.

HOMESTEAD ENTRY.

U. S. LAND OFFICE

Boise Idaho

No.

FINAL PROOF.

Receipt No.

TESTIMONY OF CLAIMANT.

QUESTION 1. What is your full name, age, and post-office address?

ANSWER. Elda M. Schenck, 34 years old. Homedale Idaho.

QUESTION 2. Are you a native-born citizen of the United States, and if so, in what State or Territory were you born? (If foreign born, see Note 1.)

ANSWER. Native-born, born in Colorado.

QUESTION 3. Are you the same person who made Homestead Entry No. 6880, serial #03002, at the Boise Idaho Land Office on the 10th day of October, 1903, for the

South East 1-4 of Section 15, Township 3, North, Range 5, West, Boise Meridian?

ANSWER. I am.

QUESTION 4. (a) Are you married or single? ANSWER. single

(b) If married, of whom does your family consist?

ANSWER.

(c) If a married woman, state whether your husband now has an unperfected homestead entry, and during what time he has resided on this land with you?

ANSWER.

QUESTION 5. (a) When did you first establish actual residence upon this land?

ANSWER. March 20th 1904.

(b) When was your house built on this land?

ANSWER. March 13th 1904.

(c) Have either you or your family ever been absent from the homestead since establishing residence?

ANSWER. yes sir

(d) If there has been such absence give the dates covered by each absence; and as to each absence state whether you, your family, or both, were thus absent and the reason for each such absence?

ANSWER. Left March 27th 1904, returning about May 30th 1904. Left September 4th 1904, returning Dec. 26th 1904, leaving Jan. 3rd 1905, returning April 12, 1905, leaving Aug. 24th 1905, returning Dec. 27th 1905, leaving Dec. 31, 1905, returning June 6, 1906, leaving August 28, 1906, returning Dec. 24, 1906, leaving Dec. 30, 1906, returning June 13, 1907, leaving Sept. 2, 1907, returning Dec. 25, 1907, leaving Dec. 28, 1907, returning April 5, 1908, leaving April 10, 1908, returning June 2, 1908, leaving Aug. 30, 1908, returning Dec. 26, 1908, leaving Jan. 1, 1909, returning June 5, 1909, leaving Oct. 7, 1909, have been on my homestead many times between these dates for 2 or 3 days at a time, absences have been for the purpose of School teaching, and all money earned above cost of living with some I had before filing on land has been paid to the land

NOTICE FOR PUBLICATION. SERIAL NO. 03002
(REGISTER.)

10

DEPARTMENT OF THE INTERIOR,

U. S. LAND OFFICE at Boise, Idaho,

News.

August 5, 1909.

NOTICE is hereby given that Ida M. Schenok, of

Homedale

Caldwell, Idaho, who, on October 10, 1909, made

Homestead Entry 6880, Serial No. 03002, for

(Kind of application or entry.)

SE 1, Section 15,

Township 3 N., Range 5 W., Boise Meridian,

has filed notice of intention to make Final five year

(If homestead, insert "five year" or "commutation," as case may be.)

Proof, to establish claim to the land above described, before

George W. Stovel, U. S. Commissioner, at

(Name of officer.)

Caldwell, Idaho, on the 20th day of

October, 1909.

Claimant names as witnesses:

Charles Parsons, of Homedale, Idaho.

William L. Holton, of " "

Albert Potts, of Caldwell, Idaho

Thomas R. Waite, of " "

and Address

Date Changed Sept 29

Wm. Balderston.

Register.

CERTIFICATE AS TO POSTING OF NOTICE.

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Boise, Idaho, November 20, 1909, 19

I HEREBY CERTIFY that the above notice, or copy thereof, was by me posted in a conspicuous place in my office for a period of 61 days

days, I having first posted said notice on the 29th day of

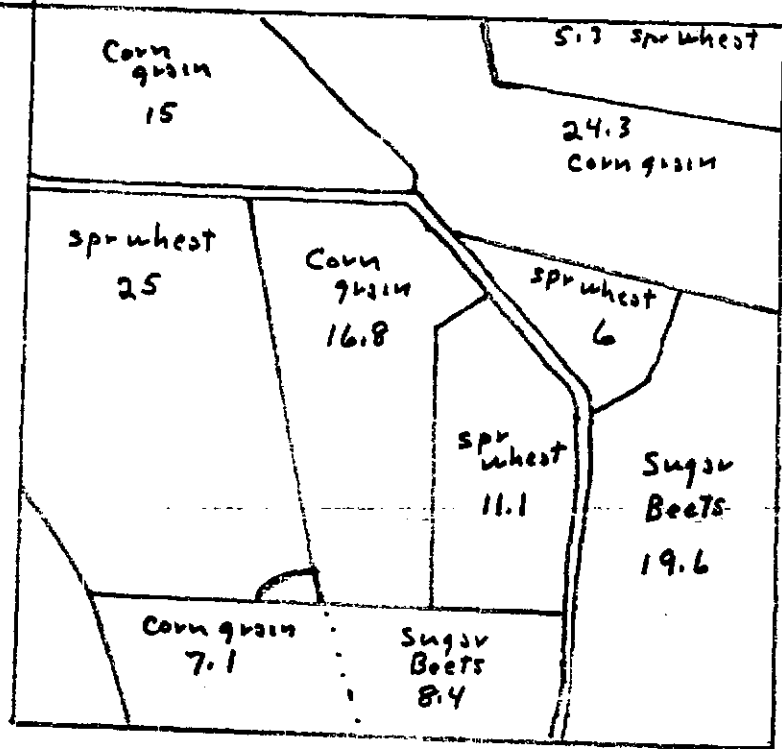
September, in its amended form.

Wm. Balderston

Register.

34.2
rec 35

Alfalfa seed 17.9	Alfalfa seed 16.3



TOTAL 172.8
rec 174
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MAR 02 1963

GUIDE TO MAPPING UNITS

For a full description of a mapping unit, read both the description of the mapping unit and the soil series to which the mapping unit belongs. In referring to a capability unit or a windbreak suitability group, read the introduction to the section it is in for general information about its management. Lack of information in the "Windbreak suitability group" column indicates the soil is not used for windbreaks. Other information is given in text and tables as follows:

Acres and extent, table 1, p. 8.
Estimated yields, tables 2 and 3, pp. 68
through 75.

Engineering uses of the soils, tables 4, 5,
and 6, pp. 78 through 105.

Map symbol	Mapping unit	Described on page	Capability unit		Dryland pasture or range		Windbreak suitability group
			Irrigated				
			Symbol	Page	Symbol	Page	Number
BaA	Bahem silt loam, 0 to 1 percent slopes-----	10	I-1	58	-----	--	1
BaB	Bahem silt loam, 1 to 3 percent slopes-----	10	Ile-2	59	-----	--	1
BaC	Bahem silt loam, 3 to 7 percent slopes-----	10	IIIe-2	60	-----	--	2
BaD	Bahem silt loam, 7 to 12 percent slopes-----	10	IVe-1	63	-----	--	2
BaE	Bahem silt loam, 12 to 30 percent slopes-----	10	VIc-1	65	VIc-2	66	--
BaF	Bahem silt loam, 30 to 50 percent slopes-----	10	-----	--	VIe-2	66	--
BdA	Baldock loam, 0 to 1 percent slopes-----	11	IIIw-6	62	-----	--	3
BdB	Baldock loam, 1 to 3 percent slopes-----	11	IIIw-6	62	-----	--	3
BhA	Baldock loam, high water table, 0 to 1 percent slopes-----	11	-----	--	Vw-1	65	--
BrA	Bram silt loam, 0 to 1 percent slopes-----	13	IIIw-6	62	-----	--	3
BrB	Bram silt loam, 1 to 3 percent slopes-----	13	IIIw-6	62	-----	--	3
BsA	Bram silt loam, saline-alkali, 0 to 1 percent slopes-----	12	IVw-3	65	-----	--	--
BsB	Bram silt loam, saline-alkali, 1 to 3 percent slopes-----	12	IVw-3	65	-----	--	--
Ca	Catherine silt loam-----	13	IIIw-6	62	-----	--	--
CcA	Cencove fine sandy loam, 0 to 1 percent slopes-----	14	IIIs-1	63	-----	--	5
CcB	Cencove fine sandy loam, 1 to 3 percent slopes-----	14	IIIe-7	62	-----	--	5
CcC	Cencove fine sandy loam, 3 to 7 percent slopes-----	14	IVe-2	63	-----	--	5
CcD	Cencove fine sandy loam, 7 to 12 percent slopes-----	14	IVe-2	63	-----	--	5
Ch	Chance fine sandy loam-----	15	-----	--	Vw-1	65	--
Cr	Cruickshank loamy fine sand-----	17	IVw-1	64	-----	--	4
Cu	Cruickshank fine sandy loam-----	16	IIIw-1	62	-----	--	4
DrA	Draper loam, 0 to 1 percent slopes-----	17	IIw-1	60	-----	--	3
DrB	Draper loam, 1 to 3 percent slopes-----	18	IIw-1	60	-----	--	3
DuB	Durargidic Arents, 1 to 3 percent slopes-----	18	IIIe-6	61	-----	--	1
DuC	Durargidic Arents, 3 to 7 percent slopes-----	18	IIIe-8	62	-----	--	2
EhA	Elijah silt loam, 0 to 1 percent slopes-----	19	IIIs-1	60	-----	--	1
EhB	Elijah silt loam, 1 to 3 percent slopes-----	19	IIIe-6	61	-----	--	1
ElA	Elijah silt loam, shallow, 0 to 1 percent slopes-----	19	IIIs-1	60	-----	--	--
ElB	Elijah silt loam, shallow, 1 to 3 percent slopes-----	20	IIIe-6	61	-----	--	--
ElC	Elijah silt loam, shallow, 3 to 7 percent slopes-----	20	IIIe-8	62	-----	--	--
EsA	Elijah-Sebree silt loams, 0 to 1 percent slopes-----	20	IIIs-1	60	VIIs-1	66	1
EsB	Elijah-Sebree silt loams, 1 to 3 percent slopes-----	20	IIIe-6	61	VIIs-1	66	1
EvC	Elijah-Vickery silt loams, 3 to 7 percent slopes-----	20	IIIe-8	62	VIe-2	66	2
EvD	Elijah-Vickery silt loams, 7 to 12 percent slopes-----	20	IVe-1	63	VIe-2	66	2
FaA	Falk fine sandy loam, 0 to 2 percent slopes-----	21	IIIs-1	63	-----	--	4
FeB	Feltham loamy fine sand, 0 to 3 percent slopes-----	21	IVs-1	65	-----	--	5
FeC	Feltham loamy fine sand, 3 to 7 percent slopes-----	22	IVe-3	63	-----	--	5
FeD	Feltham loamy fine sand, 7 to 12 percent slopes-----	22	IVe-3	63	-----	--	5
FeE	Feltham loamy fine sand, 12 to 25 percent slopes-----	22	-----	--	VIIe-2	67	--
FuD	Feltham-Quincy complex, 0 to 12 percent slopes-----	22	-----	--	VIe-3	66	5
GaA	Garbutt silt loam, 0 to 1 percent slopes-----	23	I-1	58	-----	--	1
GaB	Garbutt silt loam, 1 to 3 percent slopes-----	23	Ile-2	59	-----	--	1
GaC	Garbutt silt loam, 3 to 7 percent slopes-----	23	IIIe-2	60	-----	--	2
GaD	Garbutt silt loam, 7 to 12 percent slopes-----	23	IVe-1	63	-----	--	2
GdB	Garbutt silt loam, deep over basalt, 1 to 3 percent slopes-----	23	Ile-2	59	-----	--	1

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GUIDE TO MAPPING UNITS--Continued

Map symbol	Mapping unit	Described on page	Capability unit		Dryland pasture or range		Windbreak suitability group
			Irrigated				
			Symbol	Page	Symbol	Page	Number
TeB	Timmerman coarse sandy loam, 1 to 3 percent slopes--	50	IIIe-7	62	-----	--	--
TeC	Timmerman coarse sandy loam, 3 to 7 percent slopes--	51	IVe-2	63	-----	--	--
TgB	Timmerman gravelly coarse sandy loam, 1 to 3 percent slopes-----	51	VIe-4	66	-----	--	--
TgD	Timmerman gravelly coarse sandy loam, 3 to 12 percent slopes-----	51	VIe-4	66	VIe-2	66	--
TkE	Trevino very rocky loam, 0 to 20 percent slopes----	52	-----	--	VIe-5	66	--
TrB	Trevino silt loam, 1 to 3 percent slopes-----	51	IVe-4	64	-----	--	--
TrD	Trevino silt loam, 3 to 12 percent slopes-----	52	IVe-10	64	-----	--	--
TsA	Truesdale fine sandy loam, 0 to 1 percent slopes----	53	IIIs-1	63	-----	--	1
TsB	Truesdale fine sandy loam, 1 to 3 percent slopes----	53	IIIe-7	62	-----	--	1
TsC	Truesdale fine sandy loam, 3 to 7 percent slopes----	52	IVe-2	63	-----	--	2
TsD	Truesdale fine sandy loam, 7 to 12 percent slopes----	53	IVe-2	63	-----	--	2
TuA	Turbyfill fine sandy loam, 0 to 1 percent slopes----	53	I-1	58	-----	--	1
TuB	Turbyfill fine sandy loam, 1 to 3 percent slopes----	54	IIe-3	59	-----	--	1
TuC	Turbyfill fine sandy loam, 3 to 7 percent slopes----	54	IIIe-3	61	-----	--	2
TuD	Turbyfill fine sandy loam, 7 to 12 percent slopes----	54	IVe-2	63	-----	--	2
TuE	Turbyfill fine sandy loam, 12 to 30 percent slopes--	54	VIe-1	65	VIe-2	66	--
TvA	Turbyfill fine sandy loam, deep over hardpan, 0 to 1 percent slopes-----	54	IIIs-2	60	-----	--	1
TvB	Turbyfill fine sandy loam, deep over hardpan, 1 to 3 percent slopes-----	54	IIe-3	59	-----	--	1
TvC	Turbyfill fine sandy loam, deep over hardpan, 3 to 7 percent slopes-----	54	IIIe-3	61	-----	--	2
VaB	Vanderhoff loam, 1 to 3 percent slopes-----	53	IIIe-6	61	-----	--	1
VaC	Vanderhoff loam, 3 to 7 percent slopes-----	53	IIIe-8	62	-----	--	2
VaD	Vanderhoff loam, 7 to 12 percent slopes-----	53	IVe-1	63	-----	--	2
VaE	Vanderhoff loam, 12 to 30 percent slopes-----	53	VIe-1	65	VIe-2	66	--
VbG	Vanderhoff soils and Badland, 20 to 80 percent slopes-----	53	-----	--	VIe-2	66	--
	Vanderhoff soils-----	--	-----	--	VIIIs-1	67	--
	Badland-----	--	-----	--	VIIIs-1	67	--
Vc	Very stony land-----	56	-----	--	VIIIs-1	67	--
VmB	Vickery-Marsing silt loams, 1 to 3 percent slopes-----	57	IIIe-6	61	-----	--	1
VmC	Vickery-Marsing silt loams, 3 to 7 percent slopes-----	56	IIIe-8	62	-----	--	2
VmD	Vickery-Marsing silt loams, 7 to 12 percent slopes-----	57	IVe-1	63	VIe-2	66	2

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Cencove Series

The Cencove series consists of well-drained, moderately coarse textured soils that are moderately deep over sand and gravel. These soils formed in mixed alluvial sediments derived mostly from quartzitic, granitic, rhyolitic, and basaltic material. Slopes range from 0 to 12 percent, but in most places are less than 3 percent. The Cencove soils occur on alluvial fans and low terraces along the Snake River, mainly near Sunnyslope, Central Cove, and Apple Valley in Canyon County, and near Marsing and Homedale in Owyhee County. The vegetation in uncultivated areas is mainly big sagebrush, cheatgrass, and shadscale. Cencove soils are associated with Turbyfill, Marsing, and Feltham soils.

Elevation ranges from 2,200 to 2,600 feet. The average annual temperature is 50° to 52° F., and the average summer temperature is 69° to 76°. The frost-free season is about 145 to 160 days. Annual precipitation is 6 to 10 inches, including 5 to 15 inches of snowfall. Summers are dry.

Cencove soils are used mostly for irrigated small grains, vegetables, vegetable seed, corn, hay, and improved pasture.

Cencove fine sandy loam, 0 to 1 percent slopes (CcA).—This soil occurs on alluvial fans and terraces.

In a typical profile the surface layer is light brownish-gray, slightly calcareous fine sandy loam about 9 inches thick. Below the surface layer is light-gray, moderately calcareous fine sandy loam and sandy loam about 23 inches thick. Gravel and sand occur at a depth of about 32 inches.

Representative profile, 500 feet north and 40 feet east of the southwest corner of sec. 34, T. 4 N., R. 5 W., in Canyon County in a cultivated area:

Ap—0 to 9 inches, light brownish-gray (10YR 6/2) fine sandy loam, dark grayish brown (10YR 4/2) when moist; weak, very fine, granular structure; slightly hard, very friable, slightly sticky and nonplastic; abundant fine and medium roots; slightly calcareous; moderately alkaline; abrupt, smooth boundary.

C1ca—9 to 20 inches, light-gray (10YR 7/2) fine sandy loam, grayish brown (10YR 5/2) when moist; massive; slightly hard, very friable, slightly sticky and slightly plastic; abundant fine and medium roots; many very fine tubular pores; moderately alkaline; moderately calcareous; clear, smooth boundary.

C2ca—20 to 32 inches, light-gray (10YR 7/2) sandy loam, grayish brown (10YR 5/2) when moist; massive; slightly hard, friable, slightly sticky and nonplastic; plentiful fine and medium roots; common fine tubular pores; about 5 percent krotovinas, 1 inch in diameter and 1.2 to 1.5 inches long, that are dark grayish brown when moist and have few soft lime splotches on the surface; moderately calcareous; moderately alkaline; clear, smooth boundary.

IIC3—32 to 35 inches, light-gray (10YR 7/2) loamy sand, brown (10YR 5/3) when moist; massive; soft, very friable, nonsticky and nonplastic; few fine and medium roots; slightly calcareous; moderately alkaline; gradual, smooth boundary.

IIIC4—35 to 60 inches, light-gray (10YR 7/2) gravelly sand, grayish brown (10YR 5/2) when moist; single grain; loose when dry and moist, nonsticky and nonplastic; slightly calcareous; moderately alkaline.

The A horizon is dominantly fine sandy loam, but in places it is sandy loam or gravelly sandy loam. The A horizon ranges in value from 5.5 to 7 when dry and from 3.5 to 5 when moist; chroma is 1.5 to 2.5, and hue is 10YR to 2.5Y. The A horizon

is commonly slightly calcareous, but where undisturbed the uppermost 8 to 14 inches is noncalcareous in places.

The C horizon ranges from light gray to light brownish gray when dry and from grayish brown to dark grayish brown when moist. The C horizon is fine sandy loam, sandy loam, or gravelly sandy loam, and it ranges from massive to weak, subangular blocky in structure. The C horizon is less than 15 percent calcium carbonate. A layer of loose sand or sand and gravel is at a depth of 20 to 40 inches.

This soil is well drained. It has moderately rapid permeability, 3.75 to 5 inches available water capacity, low to moderately low organic-matter content, and low to moderate fertility. Runoff is slow, and normally there is little or no erosion hazard.

Included in mapping are areas of a soil that has layers of coarse sandy loam or gravelly coarse sandy loam at a depth of 30 to 50 inches. This included soil has moderately rapid permeability and low available water capacity. Also included are small areas of sandy Feltham soils and deep Turbyfill soils. These included soils make up 10 to 15 percent of some mapped areas.

This Cencove soil is used for irrigated small grains, vegetables and vegetable seed, corn, hay, and improved pasture. (Capability unit IIIs-1, irrigated; windbreak suitability group 5)

Cencove fine sandy loam, 1 to 3 percent slopes (CcB).—Runoff is slow to medium on this soil, and erosion is a moderate hazard.

Included in mapping is a soil that has layers of coarse sandy loam or gravelly coarse sandy loam at a depth of 30 to 50 inches. Also included are small areas of sandy Feltham soils and deep Turbyfill soils. These included soils make up as much as 15 percent of some mapped areas.

This Cencove soil is used for irrigated small grains, vegetables and vegetable seed, corn, hay, and improved pasture. (Capability unit IIIs-7, irrigated; windbreak suitability group 5)

Cencove fine sandy loam, 3 to 7 percent slopes (CcC).—This soil occurs on alluvial fans and terraces. Runoff is medium to rapid, and erosion is very severe hazard.

Included in mapping is a soil that has layers of sandy loam or loamy sand extending to a depth of about 50 inches. Also included are small areas of deep Turbyfill soils and sandy Feltham soils. These included soils make up as much as 15 percent of some mapped areas.

This Cencove soil is used for irrigated small grains, corn, hay, and pasture. Apple and peach trees grow well where air drainage is good. (Capability unit IVe-2, irrigated; windbreak suitability group 5)

Cencove fine sandy loam, 7 to 12 percent slopes (CcD).—This soil is similar to Cencove fine sandy loam, 0 to 1 percent slopes, except that it occurs on fans and on the edges of terraces. Runoff is rapid, and erosion is a very severe hazard.

Included in mapping is a soil that has layers of sandy loam or loamy sand that extend to a depth of about 50 inches. Also included are small areas of very deep Turbyfill soils and sandy Feltham soils. These included soils make up as much as 15 percent of some mapped areas.

This soil is used mostly for irrigated small grains, hay, pasture, and corn. Apple and peach trees grow well where air drainage is good. The vegetation in uncultivated areas is mainly cheatgrass and big sagebrush. (Capability unit IVe-2, irrigated; windbreak suitability group 5)

also see pg 5 + 12
in survey
low organic content

weak, very fine, granular structure; soft, very friable, nonsticky and nonplastic; abundant very fine, fine, and medium roots; very slightly calcareous; moderately alkaline; clear, wavy boundary.

C1-3 to 21 inches, light brownish-gray (10YR 6/2) fine sandy loam, dark grayish brown (10YR 4/2) when moist; massive; soft, very friable, nonsticky and nonplastic; abundant very fine, fine, and medium roots; few very fine tubular pores; moderately calcareous; moderately alkaline; gradual, smooth boundary.

C2ca-21 to 32 inches, light-gray (10YR 7/2) fine sandy loam, dark grayish brown (10YR 4/2) when moist; massive; soft, very friable, nonsticky and nonplastic; abundant very fine and fine roots; common very fine tubular pores; very few hard nodules or cicada krotovinas that have slight segregations of lime on the surface; moderately calcareous; moderately alkaline; clear, smooth boundary.

C3ca-32 to 47 inches, light-gray (10YR 7/2) fine sandy loam, dark grayish brown (10YR 4/2) when moist; massive; soft, very friable, nonstocky and nonplastic; about 40 percent nodules or cicada krotovinas; nodules are hard, $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter, and $\frac{1}{2}$ to 1 inch long; abundant very fine and fine roots between nodules; few roots inside the nodules; common very fine tubular pores; moderately calcareous; strongly alkaline; clear, smooth boundary.

IIC4-47 to 60 inches, light-gray (10YR 7/2) light fine sandy loam, brown (10YR 4/3) when moist; massive; soft, very friable; abundant very fine and fine roots; common very fine pores; moderately calcareous; moderately alkaline.

The A horizon is dominantly fine sandy loam and sandy loam, but in some areas it is gravelly sandy loam or loamy fine sand. It is light brownish gray to light gray when dry and grayish brown to dark grayish brown when moist. Where disturbed the profile is commonly mildly to moderately alkaline and calcareous. In places it is noncalcareous in the upper part. The C horizon to a depth of 40 inches is fine sandy loam, sandy loam, coarse sandy loam, or gravelly sand loam.

This soil is well drained, very deep, and moderately permeable. The available water capacity is 5 to 7.5 inches. The organic-matter content is low or moderately low, and the fertility is moderate to high. Runoff is slow. Soil blowing and water erosion are slight hazards. Included in mapping are areas of Feltham and Cencove soils that make up 10 to 15 percent of the acreage.

This soil is used for irrigated alfalfa, corn, small grains, sugar beets, and potatoes. (Capability unit I-1, irrigated; windbreak suitability group 1)

Turbyfill fine sandy loam, 1 to 3 percent slopes (TuB).—This soil is similar to Turbyfill fine sandy loam, 0 to 1 percent slopes, except that it is underlain by bedrock at a depth of 40 inches in areas southwest of Melba in Canyon County. Runoff is slow to medium, and the hazard of erosion from irrigation water or soil blowing is moderate.

This soil is used for irrigated alfalfa, corn, small grains, sugar beets, and potatoes. (Capability unit IIe-3, irrigated; windbreak suitability group 1)

Turbyfill fine sandy loam, 3 to 7 percent slopes (TuC).—This soil is on intermediate terraces and alluvial fans. It is similar to Turbyfill fine sandy loam, 0 to 1 percent slopes, but it is underlain by bedrock at a depth of 40 inches in areas southwest of Melba in Canyon County. Runoff is medium to rapid, and erosion is a severe hazard.

This soil is used for irrigated alfalfa, corn, small grains, and potatoes. Where exposure and air drainage are favorable, this soil is well suited to orchards. (Capability unit IIIe-3, irrigated; windbreak suitability group 2)

Turbyfill fine sandy loam, 7 to 12 percent slopes (TuD).—This soil is on terrace edges and alluvial fans.

It is similar to Turbyfill fine sandy loam, 0 to 1 percent slopes, except that it is slightly more coarse textured and has low available water capacity. Runoff is rapid, and erosion is a very severe hazard.

Slightly gravelly areas make up 5 to 10 percent of some mapped areas. Included in mapping are areas of Cencove soils that make up 10 to 15 percent of the acreage.

This soil is used mostly for alfalfa and other legumes, small grains, irrigated pasture, and orchards. (Capability unit IVe-2, irrigated; windbreak suitability group 2)

Turbyfill fine sandy loam, 12 to 30 percent slopes (TuE).—This soil occurs in long narrow strips along the base of terrace escarpments. The profile of this soil is more variable than that of Turbyfill fine sandy loam, 0 to 1 percent slopes. Lenses of gravel are commonly mixed with laminated silts in the underlying material. Depth to laminated silts varies from 40 inches on the upper part of slopes to more than 5 feet on the lower part. The available water capacity is low. Runoff is very rapid, and erosion is a severe hazard, especially in irrigated areas.

This soil is used mostly for range. The vegetation is big sagebrush and cheatgrass. Some areas are irrigated to orchards and to hay crops. (Capability unit VIe-1, irrigated; unit VIe-2, dryland pasture or range)

Turbyfill fine sandy loam, deep over hardpan, 0 to 1 percent slopes (TuA).—This soil is similar to Turbyfill fine sandy loam, 0 to 1 percent slopes, except that it has a cemented layer at a depth of 40 to 60 inches. This layer is about 5 to 10 inches thick, is mostly weakly cemented, and has indurated lenses 1 to 2 millimeters thick. The lenses are about 2 to 10 centimeters apart and are concentrated in the upper part of the cemented layer. The cemented layer is almost impermeable to water, and it prevents the downward extension of roots. Where this soil is excessively irrigated, a perched water table may occur. Growth of deep-rooted fruit trees and alfalfa is somewhat restricted.

This soil is used for irrigated small grains, corn, vegetables, sugar beets, and alfalfa. (Capability unit IIs-2, irrigated; windbreak suitability group 1)

Turbyfill fine sandy loam, deep over hardpan, 1 to 3 percent slopes (TuB).—This soil is similar to Turbyfill fine sandy loam, 0 to 1 percent slopes, except that it has a cemented layer at a depth of 40 to 60 inches. The cemented layer is underlain by stratified sandy loam and loamy sand sediments. Runoff is slow to medium, and the hazard of erosion from irrigation water or soil blowing is moderate.

This soil is used for irrigated potatoes, sugar beets, corn, small grains, and alfalfa. (Capability unit IIe-3, irrigated; windbreak suitability group 1)

Turbyfill fine sandy loam, deep over hardpan, 3 to 7 percent slopes (TuC).—This soil occurs as long narrow strips at the edges of drainageways and terraces. It is similar to Turbyfill fine sandy loam, 0 to 1 percent slopes, except that it has a duripan at a depth of 40 to 60 inches. Runoff is medium, and erosion is a severe hazard.

This soil is used for irrigated alfalfa, corn, small grains, potatoes and orchards. (Capability unit IIIe-3, irrigated; windbreak suitability group 2)

Vanderhoff Series

The Vanderhoff series consists of moderately deep, well-drained, very gently sloping to very steep, medium-textured soils. These soils formed in residuum and colluvium

1. IRRIGATION FLOW RATE QUESTIONNAIRE

THIS INFORMATION IS REQUIRED FOR ANY ADJUDICATION CLAIM(S) FOR WHICH THE IRRIGATION FLOW RATE CLAIMED IS MORE THAN 0.02 CFS PER ACRE (ONE EXCEPTION IS THAT 0.03 CFS PER ACRE MAY BE ALLOWED FOR IRRIGATION OF UP TO 5 ACRES).

CLAIM NO (S). # 57-02055
 NAME Ray Mansisidor
 ADDRESS Rt 1 Box 1102 Homedale, Idaho 83628
 PHONE _____

1. TOTAL IRRIGATED ACRES SHOWN ON CLAIM(S) REFERENCED ABOVE 174 ACRES.

2. TYPICAL CROPS GROWN

CROP	PERCENT OF TOTAL ACRES	CROP	PERCENT OF TOTAL ACRES
Alfalfa		Pasture	
Alfalfa Seed	18.5 %	Peas/Lentils	
Beans		Melons	
Field Corn	37.1 %	Potatoes	
Silage		Sugar Beets	16.7
Sweet Corn		Tomatoes	
Spring Grain	27.7	Lettuce/Radishes	
Winter Wheat		Cabbage/Broccoli	
Hops		Carrots/Turnips	
Orchard		Other ()	

3. IRRIGATION SYSTEM TYPE

TYPE	PERCENT OF TOTAL ACRES	
Graded Border		PLEASE COMPLETE ITEM 4.
Level Border		PLEASE COMPLETE ITEM 4.
Furrow		PLEASE COMPLETE ITEM 5.
Corrugation	100 %	PLEASE COMPLETE ITEM 6.
Sprinkler		PLEASE COMPLETE ITEM 7.
Contour Ditch		PLEASE COMPLETE ITEM 8.
Trickle or Drip		
Sub-Irrigation		

4. BORDER (COMPLETE BELOW BASED ON PEAK USE)

Inflow (cfs) _____ width (feet) _____ average length (feet) _____
 slope (%) _____ set time (hours) _____ number of borders per set _____
 frequency (days) _____

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5. FURROW (COMPLETE BELOW BASED ON PEAK USE)

Inflow (gallons per minute) _____ spacing (inches) _____ average length (feet) _____
 slope (%) _____ set time (hours) _____ number of furrows per set _____
 frequency (days) _____

MAR 22 1993

6.

COR. I. ATION (COMPLETE BELOW BASED ON PEAK USE)

185" water

inflow (gallons per minute)

Beets 6-7 days

slope (%)

Seed 7 days or longer

frequency (days)

Corn 7 days

Brain 4 times a year

Beets 44" to 22"

Seed 44"

Corn 44" to 30"

spacing (inches)

12 hr sets in morning

8 hr sets in July to catch up

set time (hours)

06:00 14:00 22:00

870 ft Long

500 ft + short rows

average length (feet)

80 1" pipes plus 65 to 70 1 1/4" pipes

number of corrugations per set

average about 550 ft

at a set

SPRINKLER (COMPLETE BELOW BASED ON PEAK USE)

TYPE center pivot ___ solid set ___
lateral move ___ gun/boom ___

average nozzle flow (gallons per minute)

nozzle spacing (feet)

average lateral length (feet)

lateral spacing (feet)

Number of laterals

circle length (feet)

Number of impact heads

number of spray heads

set time (hours)

frequency (days)

8.

CONTOUR DITCH (COMPLETE BELOW BASED ON PEAK USE)

inflow (cfs)

field slope (%)

ditch length (feet)

distance between ditches (feet)

application depth (inches)

set time (hours)

frequency (days)

9.

CONVEYANCE FROM SOURCE TO FARM

UNLINED DITCH

6732 ft

length (feet)

six inches

average depth (inches)

72"

average width (inches)

LINED DITCH

length (feet)

average depth (inches)

average width (inches)

PIPELINE

length (feet)

diameter (inches)

10.

ON-FARM DISTRIBUTION

UNLINED DITCH

length (feet)

average depth (inches)

average width (inches)

LINED DITCH

length (feet)

average depth (inches)

average width (inches)

PIPELINE

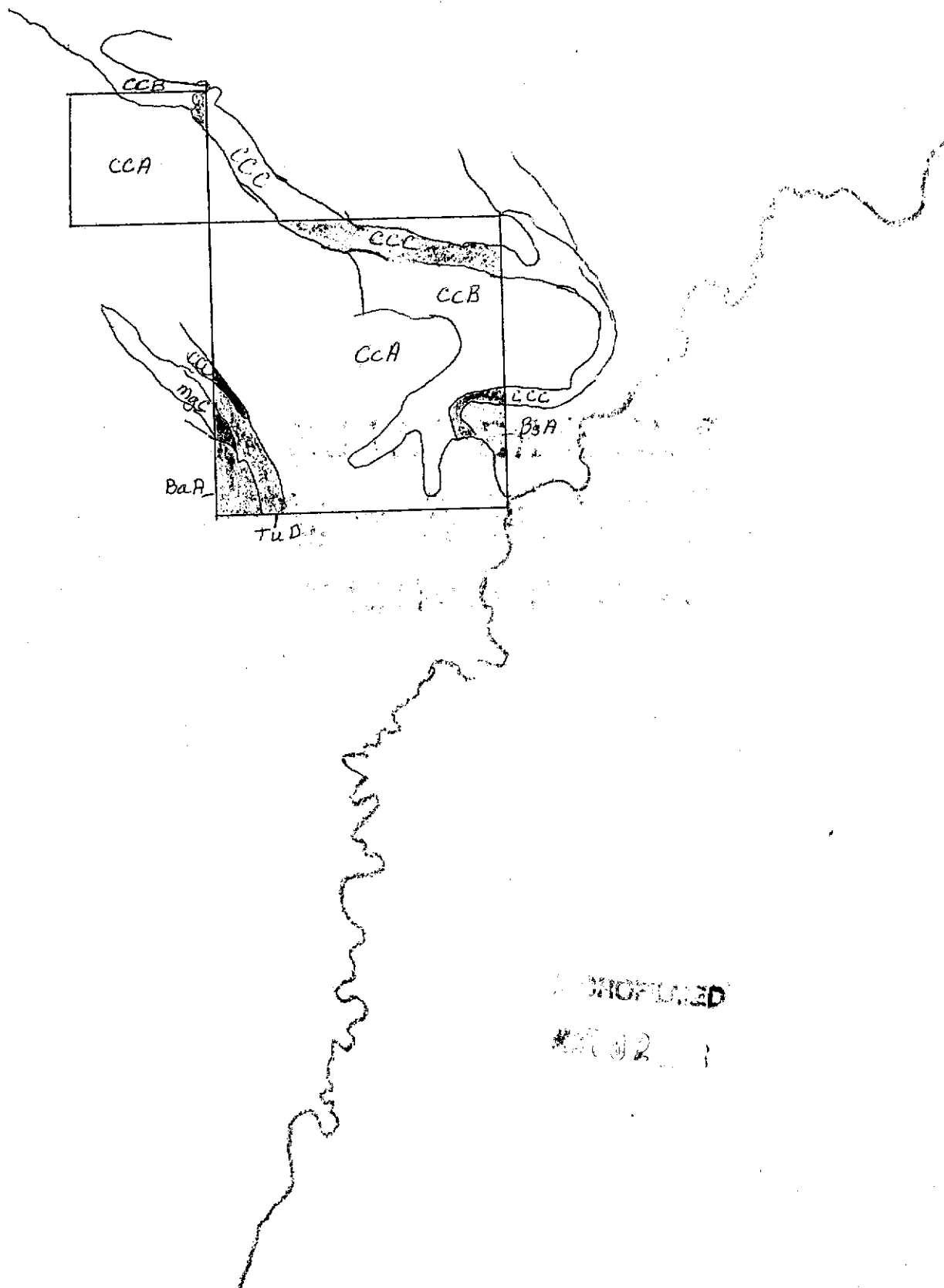
length (feet)

diameter (inches)

11. HAVE YOU CHANGED YOUR IRRIGATION SYSTEM FROM THE ONE HISTORICALLY USED? (FOR EXAMPLE, LAND LEVELING, CHANGING LENGTH OF RUNS, CHANGE FROM FURROW TO SPRINKLER, ETC.) IF YES, PLEASE DESCRIBE

The ditches remain relatively the same. Road leveling was done to make the irrigating more efficient and putting in cement ditches in place of dirt ditches.

12. HAVE YOU HAD ANY IRRIGATION SYSTEM DESIGN/EVALUATIONS OR FARM SOIL SURVEYS COMPLETED BY THE SOIL CONSERVATION SERVICE, PRIVATE CONSULTANTS, OR IRRIGATION EQUIPMENT DEALERS? IF YES, PLEASE DESCRIBE OR ATTACH COPIES



UNOFFICIAL

NOV 12 1961

United States
Department of
Agriculture

Natural
Resources
Conservation
Service

P.O. Box 486
Marsing, ID
83639

RECEIVED

NOV 19 1996

Department of Water Resources

November 18, 1996

Subject: Mansisidor Farm

To Whom It May Concern,

Mr. Ray Mansisidor requested an evaluation on soils on his farm located on Market Rd. in Owyhee county. This evaluation request centered on the soils ability to hold water required for producing viable irrigated crops including corn, beets, alfalfa seed, clover seed and other locally grown crops.

The majority of the farm fields have soils described as Cencove fine sandy loams. There are also Bram silt loams and small areas of Turbyfill find sandy loams.

These soils are listed in the "Soil Survey of Canyon Area, Idaho". Cencove find sandy loams are listed as having a low available water holding capacity (0.12-0.14 in./in. in the 0 to 35 inch depth and 0.04 - 0.06 in./in below the 35 inch depth). Due to the low water holding capacity, additional water must be applied above the standard "inch per acre" to grow viable crops.

In addition, the Bram silt loams are susceptible to salt accumulations and additional water must be applied to keep salts flushed to ensure no crop damage.

Mr. Mansisidor has an irrigation system capable of providing reasonable management of his irrigation water and uses this system to its best advantage in raising his crops.

Given these circumstances, it is my opinion that it is reasonable for Mr. Mansisidor to have to use more than 1 inch per acre to grow viable crops.

Sincerely,



Bob Bartholomew
District Conservationist
Marsing Field Office

REPROFILMED
MAR 3 2 1998

The Natural Resources Conservation Service,
formerly the Soil Conservation Service
is an agency of the United States Department of Agriculture
AN EQUAL OPPORTUNITY EMPLOYER

MAY 15 PM 1:20

DISTRICT COURT - SRBA
TWIN FALLS, IDAHO

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

In Re SRBA

) Subcase 57-02055

Case No. 39576

)
)
) PRELIMINARY SPECIAL
) MASTER'S REPORT

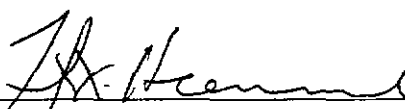
FINDINGS OF FACT AND CONCLUSIONS OF LAW

A notice of claim was filed for this water right pursuant to I.C. § 42-1409(1990) by Ray and Mary Mansisdor. The director of the State of Idaho Department of Water Resources examined the water system for areas 1, 2, and 3 and investigated and abstracted the notices of claims for those Reporting Areas. The Director of the Idaho Department of Water Resources then filed a *Director's Report* which asserted how the elements of this water right should be decreed by the court.

An objection to the *Director's Report* for water right 57-02055 was filed by Ray and Mary Mansisdor. Subsequently, a *Standard Form 5* was filed as to how the elements of this water right should be decreed. The *Standard Form 5* was accepted by the court; now therefore,

IT IS THEREFORE RECOMMENDED that subcase 57-02055 be decreed as recommended in the attached *Preliminary Special Master's Report and Recommendation for Partial Decree*.

DATED May 15, 1997.


FRITZ X. HAEMMERLE
Special Master, Reporting Area 2
Snake River Basin Adjudication

MICROFILMED
MAR 3 2 1998

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

In Re SRBA)
Case No. 39576)
_____)

PRELIMINARY

SPECIAL MASTER'S RECOMMENDATION FOR

PARTIAL DECREE FOR

Water Right 57-02055

MAY 15 PM 1:20

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

NAME & ADDRESS: MARY L MANSISIDOR
RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE ID 83628

SOURCE: JUMP CREEK

TRIBUTARY: SNAKE RIVER

QUANTITY: 7.00 CFS

PRIORITY DATE: 10/10/1903

POINT OF DIVERSION: T03N R05W S27

NWNWNE

Within Owyhee County

PURPOSE AND
PERIOD OF USE: PURPOSE OF USE
IRRIGATION

PERIOD OF USE
Irrigation Season

QUANTITY
7.00 CFS

PLACE OF USE: IRRIGATION
T03N R05W S15
174.0 ACRES TOTAL

Within Owyhee County
SENE 35.0
SESE 37.0

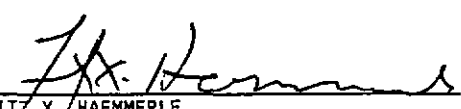
NESE 38.0

NWSE 26.0

SWSE 38.0

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO THE
IRRIGATION OF A COMBINED TOTAL OF 174 ACRES IN A SINGLE
IRRIGATION SEASON.

DATED: MAY 15 1997


FRITZ X. HAEMMERLE
Special Master
Snake River Basin Adjudication

MICROFILMED

MAR 22 1993

1997 MAY 15 PM 1:20

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

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

In Re SRBA)

Case No. 39576)
_____)

CERTIFICATE OF MAILING

Water Right(s): 57-02055

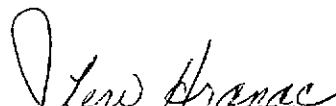
CERTIFICATE OF MAILING

I certify that a true and correct copy of PRELIMINARY SPECIAL MASTER'S REPORT, PRELIMINARY SPECIAL MASTER'S RECOMMENDATION FOR PARTIAL DECREE and NOTICE OF ISSUANCE OF PRELIMINARY SPECIAL MASTER'S REPORT AND RECOMMENDATION were mailed on May 15, 1997, with sufficient first-class postage prepaid to the following:

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

MARY L & RAY MANSISIDOR
ROUTE 1, BOX 1102
HOMEDALE, ID 83628

MARY L & RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE, ID 83628



TERI HRANAC
Deputy Clerk

CERTIFICATE OF MAILING

PAGE 1
05/15/97

Notes on Meeting Nov. 6 1996 @ 11am

IDWR found only 174 acres actually being irrigated. This is 174 acres of the 200 acres Mr. Mansisidor owns, minus acreage taken up by roads, ditches, stack yards, house, etc. Mansisidor claimed 180 acres for a right licensed for 185 acres. He says this was an error. I provided him with a standard form four to amend his claim, if he wishes, but he tends to agree that 174 acres is about what he actually irrigates. The real issue is that he claims to require more water than one inch per acre.

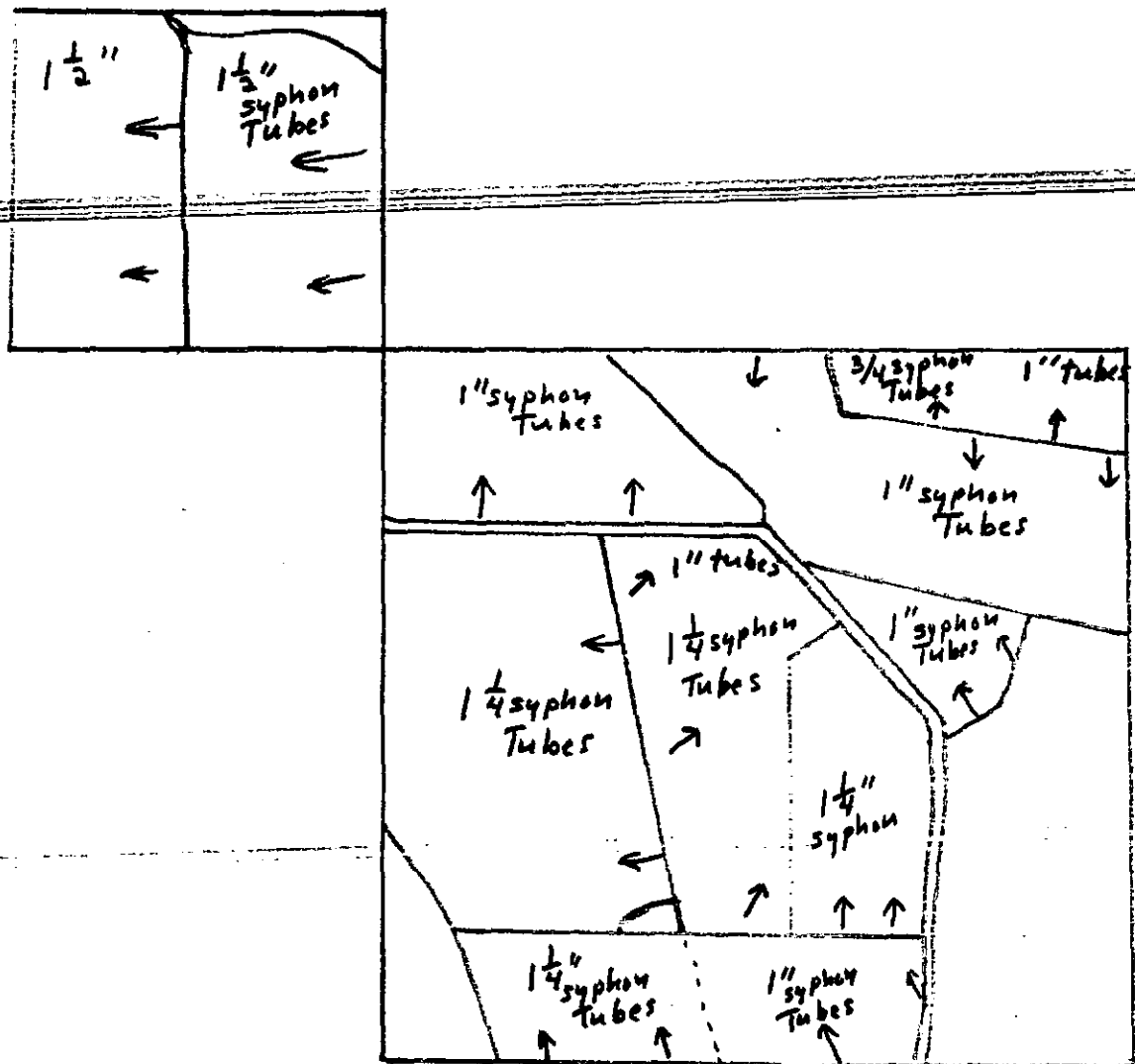
I explained to Mansisidor that by law, IDWR can only authorize water rights up to one inch per acre unless the claimant provides some evidence that his operation requires more than that amount. I explained that this right is limited to a total of 185 inches of water, if that much is beneficially used, without waste. He says that he can, does and needs to use more than one inch per acre. He says he uses the full 185 inches under the licensed right. I explained that evidence showing the need to use more than one inch per acre might be soil sample, crop plans and historical crop use etc. Don Shaff explained also that a soil survey map, an accounting of all the irrigation methods for the parcels. A statement from a soil expert, (SCS) stating that the soil requires more than one inch per acre. Don provided Mansisidor with a form checklist of considerations that could prove need for more than one inch per acre.

They should get back w/ me w/in
one month to move this along.

MICROFILMED

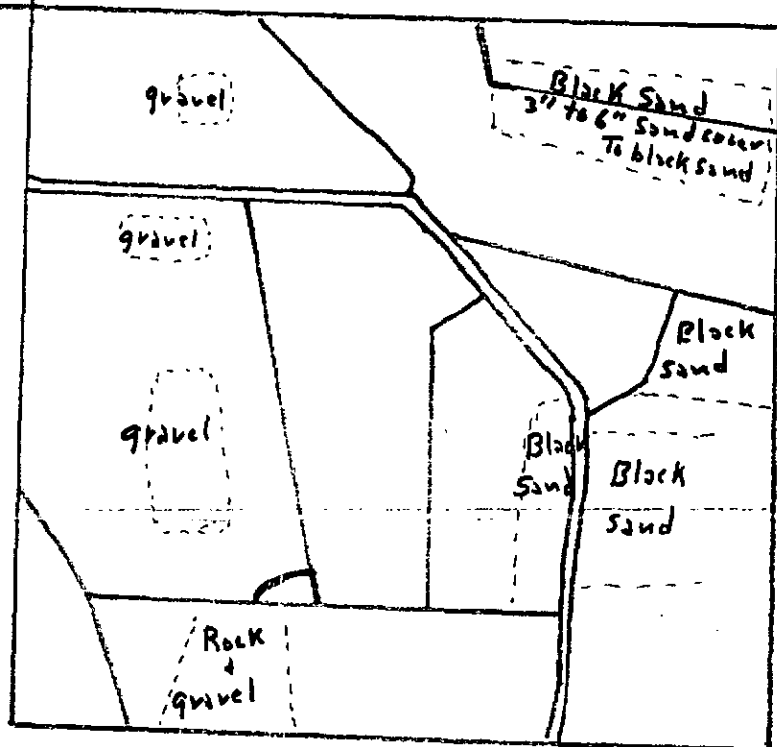
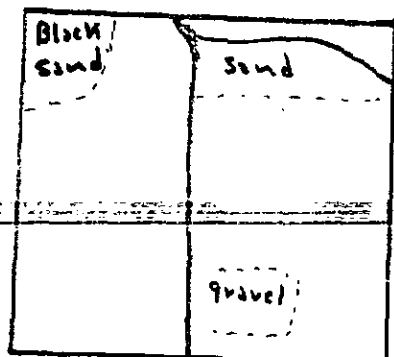
MAR 3 2 1993

Water direction + Syphon tube size



MICROFILMED

MAR 3 2 1963



MICROFILMED

MAR 3 2 1963



CONSERVATION PLAN MAP

Owner	Ray Mansfelder
County	Owyhee
State	Idaho
Date	
Approximate acres	
Cooperating with	Owyhee Soil
Plan identification	
Photo number	777-118
USDA Soil Conservation Service	

$$\begin{array}{r} 4.68 \\ 232 \\ \hline 7.00 = 350 \\ \text{CFS} \end{array}$$

$$1 \text{ CFS} = \frac{50 \text{ in.}}{2}$$

Estimating ditch flow across a 6' wide section, averaging 6" in depth by comparing ^{to} a 6' wide rectangular weir with .5 foot of head - estimated flow is 7 CFS or 350 inches. See attached

Table for weir flows.

diverted flow
at property

Estimated water loss $350 \text{ inches} - 185 \text{ in} = 165 \text{ inches}$

$$\frac{165}{350} = 47\% \text{ loss}$$

Losses due to both surface evaporation and soil infiltration.

MICROFILMED

MAR 9 2 11 3

Table 3 (Continued). Flow over rectangular contracted weirs.

Head in ft. "H"	Head inches, approx.	Crest length (L)					For each additional foot of crest in excess of 4 ft. (approx.)
		1.0 foot	1.5 foot	2.0 foot	3.0 foot	4.0 foot	
		Flow in cubic feet per second					
0.60	7-3/16	1.45	2.20	2.96	4.47	6.00	1.63
0.61	7-5/16	1.49	2.25	3.03	4.59	6.14	1.65
0.62	7-7/16	1.52	2.31	3.10	4.69	6.29	1.60
0.63	7-9/16	1.56	2.36	3.17	4.81	6.44	1.63
0.64	7-11/16	1.60	2.42	3.25	4.92	6.59	1.67
0.65	7-13/16	1.63	2.47	3.32	5.03	6.75	1.72
0.66	7-15/16	1.67	2.53	3.40	5.15	6.90	1.75
0.67	8-1/16	1.71	2.59	3.47	5.26	7.05	1.79
0.68	8-3/16	1.74	2.64	3.56	5.38	7.21	1.83
0.69	8-1/4	1.78	2.70	3.63	5.49	7.36	1.87
0.70	8-3/8	1.82	2.76	3.71	5.61	7.52	1.91
0.71	8-1/2	1.86	2.81	3.78	5.73	7.68	1.95
0.72	8-5/8	1.90	2.87	3.86	5.85	7.84	1.99
0.73	8-3/4	1.93	2.93	3.94	5.97	8.00	2.03
0.74	8-7/8	1.97	2.99	4.02	6.09	8.17	2.08
0.75	9	2.01	3.05	4.10	6.21	8.33	2.12
0.76	9-1/8	2.05	3.11	4.18	6.33	8.49	2.16
0.77	9-1/4	2.09	3.17	4.26	6.45	8.66	2.21
0.78	9-3/8	2.13	3.23	4.34	6.58	8.82	2.24
0.79	9-1/2	2.17	3.29	4.42	6.70	8.99	2.29
0.80	9-5/8	2.21	3.35	4.51	6.83	9.16	2.33
0.81	9-3/4	2.25	3.41	4.59	6.95	9.33	2.38
0.82	9-13/16	2.29	3.47	4.67	7.08	9.50	2.42
0.83	9-15/16	2.33	3.54	4.75	7.21	9.67	2.46
0.84	10-1/16	2.37	3.60	4.84	7.33	9.84	2.51
0.85	10-3/16	2.41	3.66	4.92	7.46	10.01	2.55
0.86	10-5/16	2.46	3.72	5.01	7.59	10.19	2.60
0.87	10-7/16	2.50	3.79	5.10	7.72	10.36	2.64
0.88	10-9/16	2.54	3.85	5.18	7.85	10.54	2.69
0.89	10-11/16	2.58	3.92	5.27	7.99	10.71	2.72
0.90	10-13/16	2.62	3.98	5.35	8.12	10.89	2.77
0.91	10-15/16	2.67	4.05	5.44	8.26	11.07	2.82
0.92	11-1/16	2.71	4.11	5.53	8.38	11.25	2.87
0.93	11-3/16	2.75	4.18	5.62	8.52	11.43	2.91
0.94	11-1/4	2.79	4.24	5.71	8.65	11.61	2.96
0.95	11-3/8	2.84	4.31	5.80	8.79	11.79	3.00
0.96	11-1/2	2.88	4.37	5.89	8.93	11.98	3.05
0.97	11-5/8	2.93	4.44	5.98	9.06	12.16	3.10
0.98	11-3/4	2.97	4.51	6.07	9.20	12.34	3.14
0.99	11-7/8	3.01	4.57	6.15	9.34	12.53	3.19
1.00	12	3.06	4.64	6.25	9.48	12.72	3.24
1.01	12-1/8		4.71	6.34	9.62	12.91	3.29
1.02	12-1/4		4.78	6.43	9.76	13.10	3.34
1.03	12-3/8		4.86	6.52	9.90	13.28	3.38
1.04	12-1/2		4.92	6.62	10.04	13.47	3.43
1.05	12-5/8		4.98	6.71	10.18	13.66	3.48
1.06	12-3/4		5.05	6.80	10.32	13.85	3.53
1.07	12-13/16		5.12	6.90	10.46	14.04	3.58
1.08	12-15/16		5.20	6.99	10.61	14.24	3.63
1.09	13-1/16		5.26	7.09	10.75	14.43	3.68

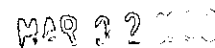
Table 3. Flow over rectangular contracted weirs in cubic feet per second*.

Head in ft. "H"	Head in inches, approx.	Crest length (L)				For each additional foot of crest in excess of 4 ft. (approx.)	
		1.0 foot	1.5 foot	2.0 foot	3.0 foot		4.0 foot
Flow in cubic feet per second							
0.10	1-3/16	0.105	0.158	0.212	0.319	0.427	0.108
0.11	1-5/16	0.121	0.182	0.244	0.367	0.491	0.124
0.12	1-7/16	0.137	0.207	0.277	0.418	0.558	0.141
0.13	1-9/16	0.155	0.233	0.312	0.470	0.629	0.159
0.14	1-11/16	0.172	0.260	0.346	0.524	0.701	0.177
0.15	1-13/16	0.191	0.288	0.385	0.581	0.776	0.196
0.16	1-15/16	0.210	0.316	0.423	0.638	0.854	0.216
0.17	2-1/16	0.229	0.346	0.463	0.698	0.934	0.236
0.18	2-3/16	0.249	0.376	0.504	0.760	1.02	0.257
0.19	2-1/4	0.270	0.407	0.546	0.823	1.10	0.278
0.20	2-3/8	0.291	0.439	0.588	0.887	1.19	0.303
0.21	2-1/2	0.312	0.472	0.632	0.954	1.28	0.326
0.22	2-5/8	0.335	0.505	0.677	1.02	1.37	0.35
0.23	2-3/4	0.358	0.539	0.723	1.09	1.46	0.37
0.24	2-7/8	0.380	0.574	0.769	1.16	1.55	0.39
0.25	3	0.404	0.609	0.817	1.23	1.65	0.42
0.26	3-1/8	0.428	0.646	0.865	1.31	1.75	0.44
0.27	3-1/4	0.452	0.682	0.914	1.38	1.85	0.47
0.28	3-3/8	0.477	0.720	0.963	1.46	1.95	0.49
0.29	3-1/2	0.502	0.758	1.02	1.53	2.05	0.52
0.30	3-5/8	0.527	0.795	1.07	1.61	2.16	0.55
0.31	3-3/4	0.553	0.836	1.12	1.69	2.26	0.57
0.32	3-13/16	0.580	0.876	1.18	1.77	2.37	0.60
0.33	3-15/16	0.606	0.916	1.23	1.86	2.48	0.62
0.34	4-1/16	0.634	0.957	1.28	1.94	2.60	0.66
0.35	4-3/16	0.661	0.999	1.34	2.02	2.71	0.69
0.36	4-5/16	0.688	1.04	1.40	2.11	2.82	0.71
0.37	4-7/16	0.717	1.08	1.45	2.20	2.94	0.74
0.38	4-9/16	0.745	1.13	1.51	2.28	3.06	0.78
0.39	4-11/16	0.774	1.17	1.57	2.37	3.18	0.81
0.40	4-13/16	0.803	1.21	1.63	2.46	3.30	0.84
0.41	4-15/16	0.833	1.26	1.69	2.55	3.42	0.87
0.42	5-1/16	0.863	1.30	1.75	2.65	3.54	0.89
0.43	5-3/16	0.893	1.35	1.81	2.74	3.67	0.93
0.44	5-1/4	0.924	1.40	1.88	2.83	3.80	0.97
0.45	5-3/8	0.955	1.44	1.94	2.93	3.93	1.00
0.46	5-1/2	0.986	1.49	2.00	3.03	4.05	1.02
0.47	5-5/8	1.02	1.54	2.07	3.12	4.18	1.06
0.48	5-3/4	1.05	1.59	2.13	3.22	4.32	1.10
0.49	5-7/8	1.08	1.64	2.20	3.32	4.45	1.13
0.50	6	1.11	1.68	2.26	3.42	4.58	1.16
0.51	6-1/8	1.15	1.73	2.33	3.52	4.72	1.20
0.52	6-1/4	1.18	1.78	2.40	3.62	4.86	1.24
0.53	6-3/8	1.21	1.84	2.46	3.73	4.99	1.26
0.54	6-1/2	1.25	1.89	2.53	3.83	5.13	1.30
0.55	6-5/8	1.28	1.94	2.60	3.94	5.27	1.33
0.56	6-3/4	1.31	1.99	2.67	4.04	5.42	1.38
0.57	6-13/16	1.35	2.04	2.74	4.15	5.56	1.41
0.58	6-15/16	1.38	2.09	2.81	4.26	5.70	1.44
0.59	7-1/16	1.42	2.15	2.88	4.36	5.85	1.49

→

*Computed from Cope's formula: $Q = 3.247 L H^{1.48}$ $\frac{0.568 L^{0.48} H^{1.48}}{1+2L^{0.48}}$

*Computed from Cote's formula: $Q = 3.247 L H^{3/2} \sqrt{H}$



In reference to water Right # 57-020-55

This is the map of the conveyance ditch. It shows about $1\frac{1}{8}$ miles but measures about 1.27 miles. Enclosed are the figures by measuring the ditch width and depth.

The ditch runs through very porous soil, alkali soil, + sand before entering the farm and has a 40% to 50% loss due to soil infiltration and surface evaporation.

The water enters this farm at about 185 in, and it is very necessary to keep this flow to irrigate properly. Most of the crop irrigations are on 12 hr shifts but sometimes in the middle of July I go to an 8 hr shift, 06:00, 14:00, + 22:00 for about 4 or 5 days to catch up.

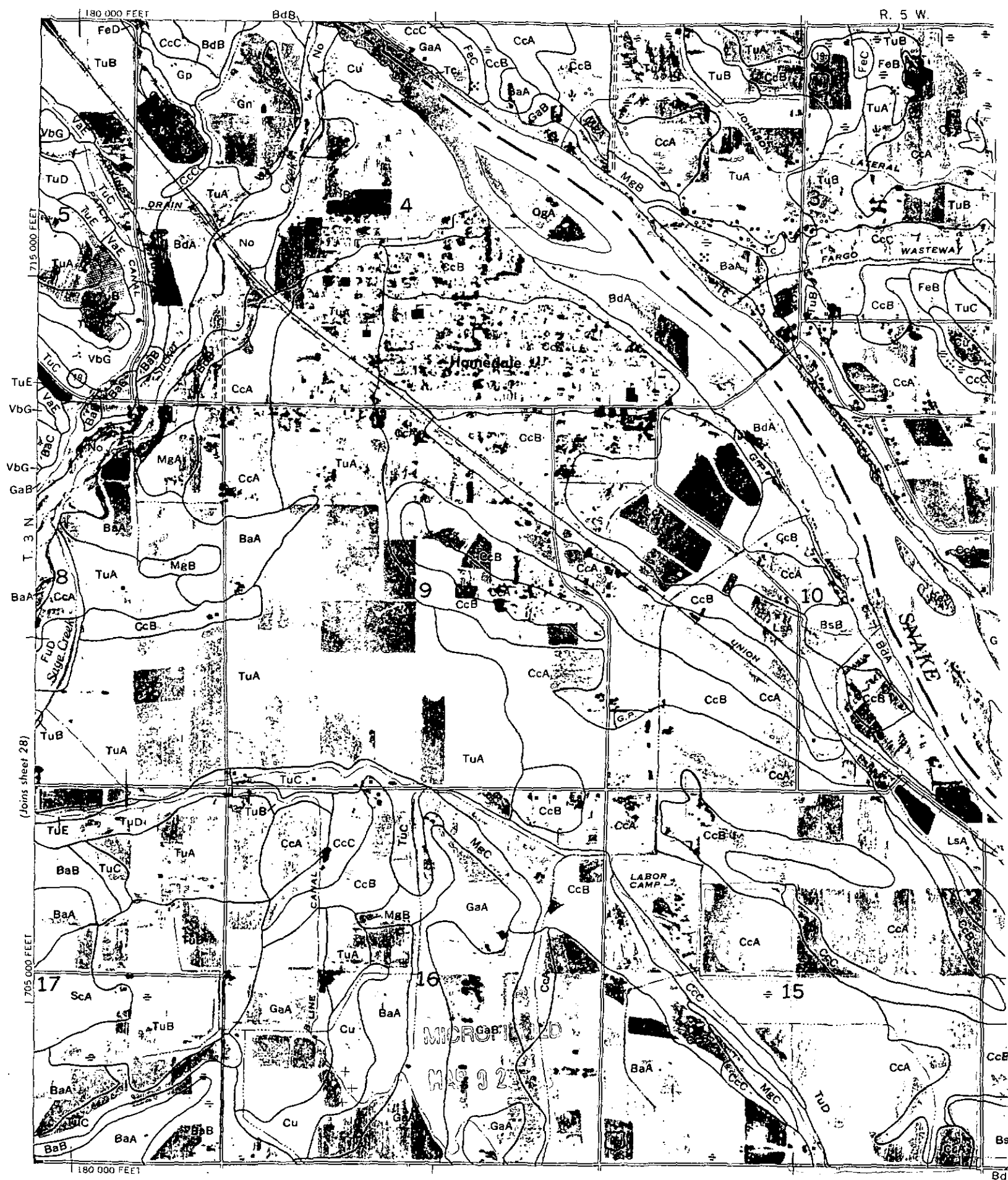
There is little room for error so constant managing the irrigation is very important.

Any reduction in this water would seriously reduce the ability to grow a normal crop.

Ray Mansiridor

Land division corners are approximately positioned on this map.

CANYON AREA, IDAHO CO. ID.



Soil Conservation Service

Marsing Field Office

Cooperator Name M. L. Mansueto

SOILS DESCRIPTIONS

The following descriptions are very brief. More in-depth descriptions of the soils and their management can be found in the Soil Survey for Canyon County.

SOIL GROUP 1

These are soils having surface textures of sand, loamy sand, and fine sandy loam. The underlying material is variable and may be sand, gravel, silts, or clay. Some areas may be underlain by rock or hardpan.

These soils are very susceptible to wind erosion. Slopes range from 0 to 25% with most of the areas having slopes less than 12%.

SOIL GROUP 2

These are soils with surface textures of silt loam, loam, and silty clay loam. The underlying material is variable with coarser textures (sand and gravel) being more common in areas of water-born deposits along rivers, and silty material being more common in areas of wind blown deposits. Some of these soils are underlain by rock or hardpan.

Slopes vary from 0 to 25% with most of the area having slopes less than 12%. These soils are moderately susceptible to wind erosion. A major problem can occur if the soil is very shallow and underlain by hardpan, rock, or gravel.

MICROFILMED

MAR 3 2 1963

Soil Conservation Service
Marsing Field Office

Soil Mapping Unit Groups for FSA planning

Soil Mapping Units are shown on the soils map. The first two letters of the mapping unit symbol indicate the soil (see descriptions below). The last letter of the symbol denotes the slope of the ground. Slopes are shown by the letters: A, 0 to 1% slope; B, 1 to 3%; C, 3 to 7%; D, 7 to 12%; and E, 12 to 25% slope. If no third letter is shown, slopes are less than 1%. Example: BaC - The Ba indicates that the soil is Bahem silt loam (see below). The C indicates slopes of 3 to 7% (see above).

SOIL MAPPING UNIT	SOIL GROUP
Ba Bahem silt loam	2
Bd Baldock loam	2
Bh Baldock loam, high water table	2
Br Bram silt loam	2
Bs Bram silt loam, saline-alkali	2
Ca Catherine silt loam	2
Cc Cencove fine sandy loam	1
Ch Chance fine sandy loam	1
Cr Cruickshank loamy fine sand	1
Cu Cruickshank fine sandy loam	1
Dr Draper loam	2
Du Durargidic Arents	2
Eh Elijah silt loam	2
El Elijah silt loam, shallow	2
Es Elijah - Sebree silt loams	2
Ev Elijah - Vickery silt loams	2
Fa Falk fine sandy loam	1
Fe Feltham loamy fine sand	1
Fu Feltham - Quincy complex	1
Ga Garbutt silt loam	2
Gd Garbutt silt loam, deep over basalt	2
Gn Grandview loam	2
Gp Gravel pit	-
Gr Greenleaf silty clay loam	2
Gs Greenleaf silt loam	2
Gw Greenleaf - Owyhee silt loams	2
Ha Harpt loam	2
Ja Jacquith loamy fine sand	1
Je Jenness loam	2
La Lankbush sandy loam	1
Le Lankbush - Elijah silt loams	2
Lh Lankbush - Power complex	2
Lk Lankbush - Vickery silt loams	2
Ln Lankbush loam, dark variant	2
Ls Letha fine sandy loam	1
Lt Letha fine sandt loam, saline-alkali	1
Lu Lolalita coarse sandy loam	1
Lv Lolalita sandy loam	1
Ma Marsh	-
Mg Marsing loam	2

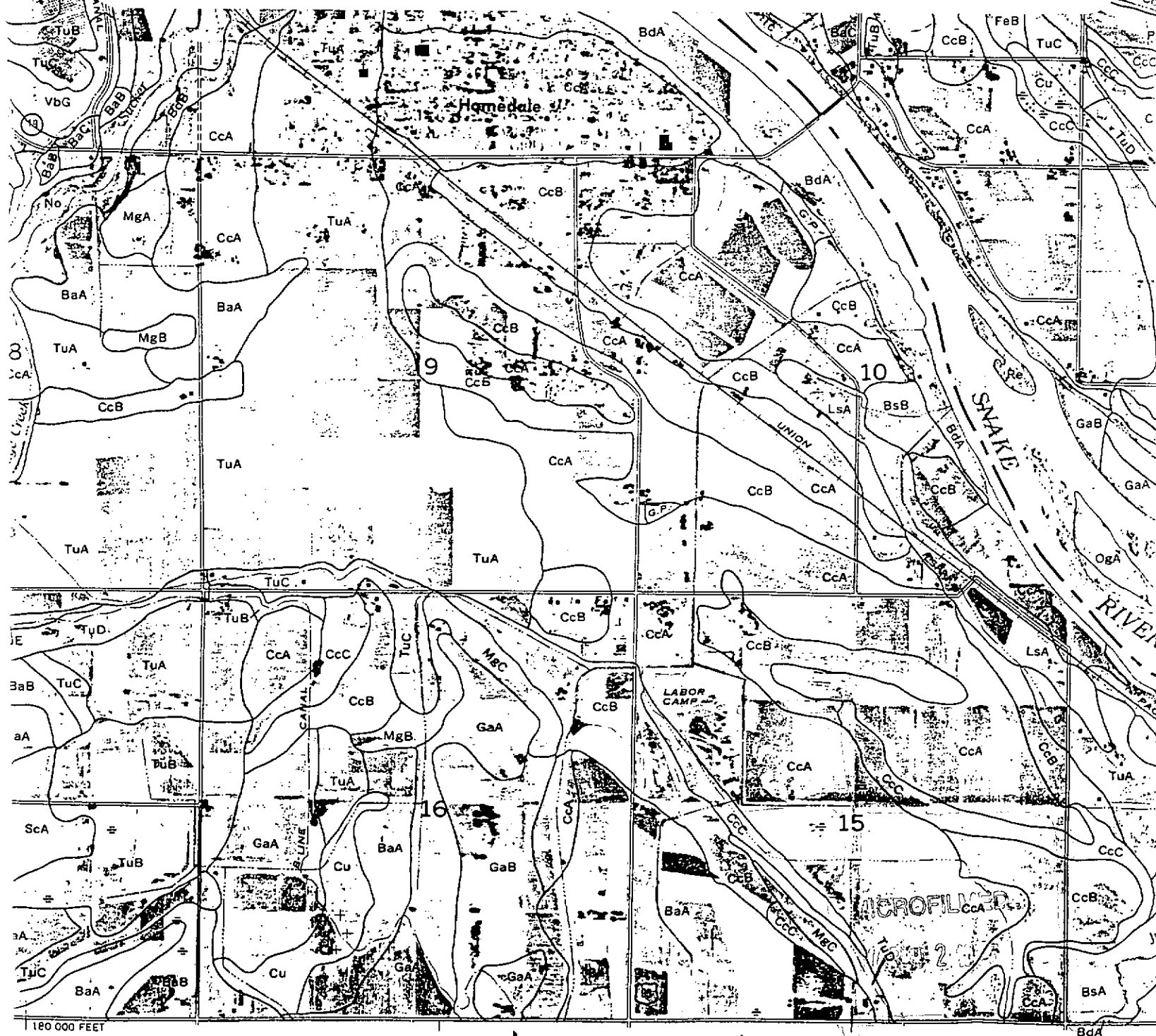
SOIL MAPPING UNIT	SOIL GROUP
Mk Minidoka silt loam	2
Mn Minidoka - Scism silt loams	2
Mo Moulton loamy sand	1
Mt Moulton fine sandy loam	1
Mu Moulton fine sandy loam, saline	1
Mv Moulton loam	2
Mw Moulton loam, saline	2
Na Nannyton loam	2
No Notus soils	1
Ns Nyssaton silt loam	2
Og Oliaga loam	2
Ol Oliaga loam, saline	2
Ow Owyhee silt loam	2
Pa Portratz silt loam	2
Pc Portratz - Power silt loams	2
Pe Portratz - Power rocky silt loams	2
Ph Power silt loam	2
Pl Power - Lankbush silt loams	2
Po Power - Portratz silt loams	2
Pp Power - Purdam silt loams	2
Pr Purdam silt loam	2
Ps Purdam silt loam, water table	2
Pt Purdam - Sebree silt loams	2
Qc Quincy fine sand	1
Qf Quincy - Feltham loamy sands	1
Re Riverwash	-
Ro Rock outcrop	-
Sc Scism silt loam	2
Sd Scism silt loam, deep over basalt	2
Tc Terrace escarpment	-
Te Timmerman coarse sandy loam	1
Tg Timmerman gravelly coarse sandy loam	1
Tk Trevino very rocky loam	2
Tr Trevino silt loam	2
Ts Truesdale fine sandy loam	1
Tu Turbyfill fine sandy loam	1
Tv Turbyfill fine sandy loam, hardpan	1
Va Vanderhoff loam	2
Vb Vanderhoff soils and badlands	2
Ve Very stony land	-
Vm Vickery - Marsing silt loams	2

BdB

R. 5 W

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Owner Ray Mansisidor Operator _____
County Owyhee State Idaho
Soil survey sheet(s) or code nos. Canyon #29 Approximate scale 1:20,000
Prepared by U. S. Department of Agriculture, Soil Conservation Service cooperating
with Owyhee Conservation District



Mr. & Mrs. Ray Manssador
Route 1, Box 1102
Homedale, ID 83628

P 006 034 714

MAIL

RETURN RECEIPT
REQUESTED

Mr. J. Andrew Helminger
Deputy Attorney General
Natural Resources Division
Department of Water Resources
1301 N. Orchard
Boise, Idaho 83706-2237

U.S. POSTAGE
PAID
HOMEDALE, ID
83628
NO 0368.96
08071895-01
83706-2237

AMOUNT
\$1.24

UNITED STATES
POSTAL SERVICE
0000

Postnet barcode

Jeff Peppersch

12/9/96

Re: Ray Mansisidor 57-02055

attached is Hubble analysis based primarily on questionnaire filled out by claimant. Field slope is assumed based on conversation with Bob Bartholomew, SCS.

Total on-farm estimate is 3.97 cfs
Conveyance fee estimate is 0.51 cfs.

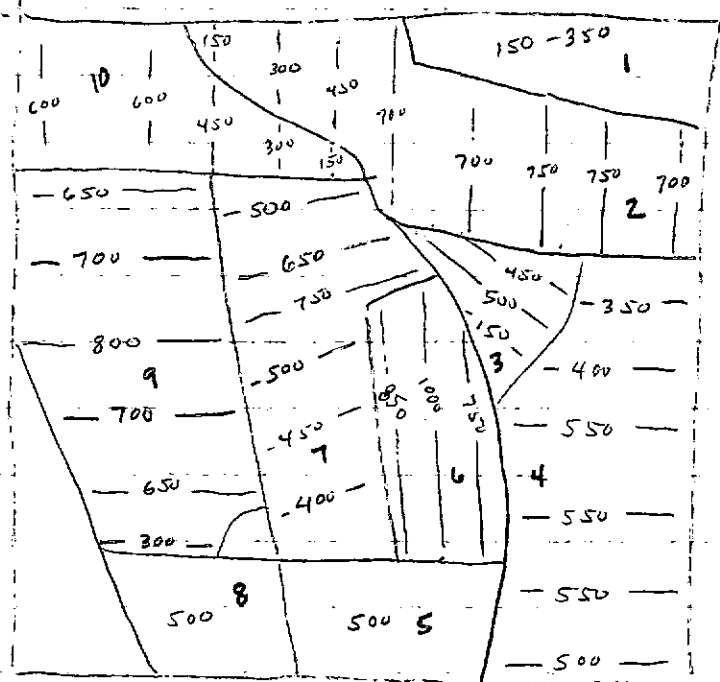
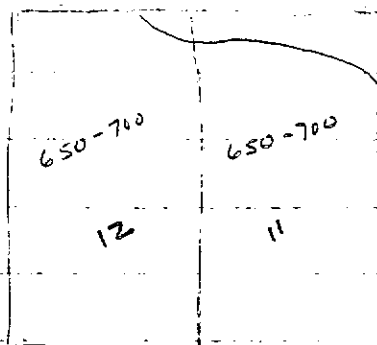
TOTAL = 4.48 CFS

57-2055
3.7 cfs
180 ac .0206 cfs/ac
3.4% rec 174 ac
101941 a/cor
.7 cfs
35 ac
3N SW 15 X53

MICROFILMED

MAR 02 1997

FIELD LENGTH



Levelled and
very flat
use .004
for all

MICROFILMED

MAR 3 2 1969

FIELD IRRIGATION REQUIREMENT

initials: JP

Claimant = Mansisidor

date: 12/09/96

Weather Station = Deer Flat Dam

Field	crop	acres	irrig. eff. system (%)	mar	apr	may	jun	jul	aug	sep	oct	AVE IR season (mm/yr)	net irrig. app. (in)	ET ratio	irrig. freq. (days)	mar	Gross Irrigation Application (peak period ET/eff. in mm/day)			
																	apr	may	jun	aug
11	alf seed	16.3	cor	65	4.08	6.16	7.53	5.62	3.18	1.56	0.38		2.65	1.10	8.1		6.90	10.42	12.74	9.51
12	alf seed	17.9	cor	65	4.08	6.16	7.53	5.62	3.18	1.56	0.38		2.65	1.10	8.1		6.90	10.42	12.74	9.51

Summary 34.2

6.90 10.42 12.74 9.51 5.38 2.64 0

Peak Gross Irrigation Application (mm/day) = 12.74
On-Farm Irrigation Requirement (cfs/acre) = 0.021
Total On-Farm Irrigation Requirement (cfs) = 0.72
Irrigation Diversion Volume (ft/yr) = 0.00
Total Irrigation Diversion Volume (ac-ft/yr) = 0

TOTALS 3.22 + .72 = 3.94

ADJUST FOR 174 AC

$$\frac{3.94}{172.8} (174) = 3.97 \text{ CFS ON-FARM}$$

C.L. = 0.51 CFS

TOTAL = 4.48 CFS

MICROFILMED
MAR 22 1997

FIELD IRRIGATION REQUIREMENT

initials: JP Claimant = Mansisidor

date: 12/09/96 Weather Station = Deer Flat Dam

crop	acres	irrig. system	eff. (%)	Monthly ET (mm/day)										net irrig. app. (in)	ET ratio (days)	irrig. freq. (days)	Gross Irrigation Application (peak period ET/eff. in mm/day)									
				mar	apr	may	jun	jul	aug	sep	oct	AVE IR season (mm/yr)	mar				apr	may	jun	jul	aug	sep	oct	season (mm/yr)		
alf seed	16.3	cor	65		4.08	6.16	7.53	5.62	3.18	1.56	0.38		2.65	1.10	8.1		6.90	10.42	12.74	9.51	5.38	2.64	0.64			
alf seed	17.9	cor	65		4.08	6.16	7.53	5.62	3.18	1.56	0.38		2.65	1.10	8.1		6.90	10.42	12.74	9.51	5.38	2.64	0.64			

Summary 34.2

6.90 10.42 12.74 9.51 5.38 2.64 0.64

Peak Gross Irrigation Application (mm/day) = 12.74
 On-Farm Irrigation Requirement (cfs/acre) = 0.021
 Total On-Farm Irrigation Requirement (cfs) = 0.72
 Irrigation Diversion Volume (ft/yr) = 0.00
 Total Irrigation Diversion Volume (ac-ft/yr) = 0

MICROFILMED
 MAR 9 2 1999

FIELD IRRIGATION REQUIREMENT

initials: JP Claimant = Mansisidor
 date: 12/09/96 Weather Station = Deer Flat Dam

FIELD	crop	acres	irrig. system	eff. (%)	mar	apr	may	Monthly ET (mm/day)					AVE IR season (mm/yr)	net irrig. app. (in)	ET ratio	irrig. freq. (days)	Gross Irrigation Application (peak period ET/eff. in mm/day)									
								jun	jul	aug	sep	oct					mar	apr	may	jun	jul	aug	sep	oct		
1	SPR wht	5.3	cor	66		1.79	5.76	8.78	7	1.41				2.47	1.10	6.5	2.98	9.60	14.63	11.67	2.35					
2	f corn	24.3	fur	64			2.06	4.25	8.43	7.06	4.2	0.93		2.47	1.10	6.8		3.54	7.30	14.49	12.13					
3	SPR wht	6	cor	69		1.79	5.76	8.78	7	1.41				2.47	1.10	6.5	2.85	9.18	14.00	11.16	2.25					
4	s beet	19.6	fur	52		1.58	2.09	5.13	9.07	7.46	5.01	2.09		3.51	1.08	6.7	3.28	4.34	10.65	18.84	15.49	10.41	4.34			
5	s beet	8.4	fur	63		1.58	2.09	5.13	9.07	7.46	5.01	2.09		2.65	1.10	6.5	2.76	3.65	8.96	15.84	13.03	8.75	3.65			
6	SPR wht	11.1	cor	68		1.79	5.76	8.78	7	1.41				2.47	1.10	6.5	2.90	9.32	14.20	11.32	2.28					
7	f corn	16.8	fur	69			2.06	4.25	8.43	7.06	4.2	0.93		2.47	1.10	6.8		3.28	6.78	13.44	11.26	6.70	1.48			
8	f corn	7.1	fur	59			2.06	4.25	8.43	7.06	4.2	0.93		2.47	1.10	6.5		3.84	7.92	15.72	13.16	7.83	1.73			
9	SPR wht	25	cor	69		1.79	5.76	8.78	7	1.41				2.47	1.10	6.8	2.85	9.18	14.00	11.16	2.25					
10	f corn	15	fur	62			2.06	4.25	8.43	7.06	4.2	0.93		2.47	1.10	6.8		3.65	7.54	14.96	12.53	7.45	1.65			
Summary		138.6																								

Peak Gross Irrigation Application (mm/day) = 14.07
 On-Farm Irrigation Requirement (cfs/acre) = 0.023
 Total On-Farm Irrigation Requirement (cfs) = 3.22
 Irrigation Diversion Volume (ft/yr) = 0.00
 Total Irrigation Diversion Volume (ac-ft/yr) = 0

MICROFILMED
 MAR 22 1997

erosion 100 gpm corr
25 gpm furrow

① $L = 150 - 350$

$D = 2.47$

$S = .004$

corr gram

$IF = .55$

$SPAC = 2.5$

②

$L = 150 \quad 300 \quad 450 \quad 700 \quad 700 \quad 750 \quad 750$

$D = 2.47$

$S = .004$

SPLIT?

Furrow corn

$IF = .55$

$SPAC = 2.5$

③

$L = 150 \quad 450 \quad 500$

$D = 2.47$

$S = .004$

corr gram

$IF = .55$

$SPAC = 2.5$

④

$L = 350 \quad 400 \quad 500 \quad 550 \quad 550 \quad 550$

$D = 2.65 \text{ or } 3.51$

$S = .004$

Furrow butts

$IF = .55 \text{ or } .4$

$SPAC = 22" = 1.83'$

MICROFILMED

MAR 02 1963

(5) $L = 500$
 $D = 2.65$
 $S = .004$

furrow beets
 $IR = .55$
 $SPAC = 22" = 1.83'$

(9) $L = 300 \quad 650 \quad 650 \quad 700 \quad 700 \quad 800$
 $D = 2.47$
 $S = .004$

corr grain
 $IR = .55$
 $SPAC = 2.5'$

SPLIT?

(6) $L = 750 \quad 880 \quad 1000$
 $D = 2.47$
 $S = .004$

corr grain
 $IR = .55$
 $SPAC = 2.5'$

SPLIT?

(10) $L = 150 \quad 300 \quad 450 \quad 600 \quad 600$
 $D = 2.47$
 $S = .004$

furrow corn
 $IR = .55$
 $SPAC = 2.5'$

SPLIT?

(7) $L = 400 \quad 450 \quad 500 \quad 500 \quad 650 \quad 750$
 $D = 2.47$
 $S = .004$

corr grain
 $IR = .55$
 $SPAC = 2.5'$

(11) $L = 650 - 700$
 $D = 2.65$
 $S = .004$

corr all seed
 $IR = .55$
 $SPAC = 44" = 3.67'$

SPLIT?

(8) $L = 500$
 $D = 2.47$
 $S = .004$

furrow corn
 $IR = .55$
 $SPAC = 2.5'$

MICROFILMED
 MAR 9 2 1953

(12) $L = 650 - 700$
 $D = 2.65$
 $S = .004$

corr all seed
 $IR = .55$
 $SPAC = 3.67'$

SPLIT?

properties of the soils

is impossible, material is variable, or information is insufficient]

Percentage passing sieve—			Permeability	Available water capacity	Reaction	Salinity ¹	Shrink-swell potential	Soil corrosivity for uncoated steel ²
No. 4 (4.7 mm.)	No. 10 (2.0 mm.)	No. 200 (0.074 mm.)						
100	95-100	75-85	<i>Inches per hour</i> 0.63-2.00	<i>Inches per inch of soil</i> 0.17-0.19	<i>pH value</i> 7.4-8.4	None.....	Low.....	Low.
95-100	90-100	65-75	0.63-2.00	0.16-0.18	7.4-9.0	None to moderate.....	Moderate.....	High.
95-100	90-100	40-55	2.00-6.30	0.13-0.15	7.9-8.4	None.....	Low.....	Low.
95-100	90-100	65-75	0.63-2.00	0.16-0.18	7.4-9.0	None to moderate.....	Moderate.....	High.
95-100	90-100	40-55	2.00-6.30	0.13-0.15	7.9-8.4	None.....	Low.....	Low.
95-100	95-100	80-90	0.06-0.20	0.10-0.18	7.9-9.6	Moderate to very high. 4-16	Low.....	High.
95-100	95-100	75-85	0.63-2.00	0.18-0.20	7.9-8.4	None to low.....	Low to moderate.....	High.
95-100	95-100	85-95	0.63-2.00	0.18-0.20	7.9-8.4	None.....	Moderate.....	High.
95-100	95-100	65-75	0.63-2.00	0.16-0.18	7.4-7.8	None.....	Low to moderate.....	High.
95-100	95-100	30-40	2.00-6.30	0.12-0.14	7.9-8.4	None.....	Low.....	Low.
55-75	50-70	5-15	>20.0	0.04-0.06	7.9-8.4	None.....	Low.....	Low.
95-100	90-100	40-50	2.00-6.30	0.13-0.15	6.1-7.3	None.....	Low.....	High.
10-40	5-10	0-5	>20.0	0.03-0.05	6.6-7.3	None.....	Very low.....	High.
95-100	95-100	85-95	0.63-2.00	0.18-0.20	6.1-7.3	None.....	Low to moderate.....	Low.
95-100	95-100	90-100	0.06-0.20	0.18-0.20	7.4-8.4	None.....	High.....	High.
95-100	90-100	65-75	0.63-2.00	0.16-0.18	7.9-8.4	None.....	Moderate.....	Low.
			<0.06		7.9-8.4			
95-100	95-100	40-55	2.00-6.30	0.13-0.15	7.9-9.6	None to low.....	Low.....	Moderate.
95-100	90-100	60-70	0.63-2.00	0.16-0.18	7.4-7.8	None.....	Moderate.....	High.
95-100	95-100	65-75	0.63-2.00	0.16-0.18	7.4-9.0	None to low.....	Moderate.....	Low to moderate.
			<0.06				Low.....	Low.
100	95-100	85-95	0.63-2.00	0.18-0.20	6.6-7.8	None.....	Moderate.....	Low.
			<0.06		7.9-8.4			
90-100	75-95	35-50	2.00-6.30	0.13-0.15	6.1-7.3	None.....	Low.....	Moderate.
30-40	25-35	0-15	<20.0	0.05-0.07	7.4-7.8	None.....	Low.....	Moderate.
100	95-100	25-35	6.30-20.0	0.09-0.11	6.6-8.4	None.....	Low.....	Low.
95-100	85-95	70-85	0.63-2.00	0.16-0.18	7.4-9.0	Low.....	Low.....	Low.
95-100	95-100	80-90	0.63-2.00	0.18-0.20	7.9-8.4	None.....	Low.....	Low.
95-100	90-100	60-70	0.20-0.63	0.12-0.14	7.9-9.6	Moderate to very high.	Low to moderate.....	High.
95-100	90-100	75-85	0.06-0.20	0.14-0.16	7.9-9.6	Moderate to very high.	Moderate.....	High.
85-95	80-95	65-75	0.06-0.20	0.12-0.14	7.9-8.4	Moderate to very high.	Moderate.....	High.

MICROFILMED

MAR 3 2 1965

TABLE 5.—Estimated

Soil series and map symbols	Depth to—		Depth from surface	Classification		
	Bedrock or hardpan	Seasonal high water table		Dominant USDA texture	Unified	
Vanderhoff: VaB, VaC, VaD, VaE.....	Feet 2-3	Feet -----	Inches 0-30 30	Loam..... Siltstone.....	ML	A
VbG..... (Properties of Badland in VbG are too variable to rate.)	2-3	-----	0-23 23	Gravelly loam..... Siltstone.....	GM	A
Vickery: VmB, VmC, VmD..... (For Marsing soil in VmB, VmC, and VmD, refer to Marsing series.)	1½-3½	-----	0-34 34-47 47-60	Silt loam and loam..... Duripan..... Coarse sand.....	ML SM	A A

¹ Ratings based on conductivity of the saturation extract at 25°C.

None: 0-2 mmhos/cm
Low: 2-4 mmhos/cm
Moderate: 4-8 mmhos/cm
High: 8-16 mmhos/cm
Very high: >16 mmhos/cm

TABLE 6.—E

Soil series and map symbols	Suitability as source of—			Soil features affecting	
	Topsoil	Sand and gravel	Road fill	Highway location	Dikes a
Bahem: BaA, BaB, BaC, BaD, BaE, BaF.	Poor: thin topsoil; nearly level to steep slopes.	None present.....	Fair: moderate shear strength; high frost-action potential.	High frost-action potential; relief is nearly level to steep.	Moderate swelling; low resistance to pipe cracking.
Baldock: BdA, BdB.....	Poor: thin topsoil.	Poor to unsuitable: deep overburden.	Fair: seasonal high water table at a depth of 3 to 4 feet; moderate shear strength.	Seasonal high water table at a depth of 3 to 4 feet; high frost-action potential.	Moderate swelling; low resistance to pipe cracking.
BhA.....	Poor: seasonal high water table at a depth of 1 or 2 feet; salt and alkali in the surface layer.	Unsuitable: deep overburden.	Fair: seasonal high water table at a depth of 1 to 2 feet; moderate shrink-swell potential.	Seasonal high water table at a depth of 1 to 2 feet; many small ponds and seeped areas.	Moderate swelling; low resistance to pipe cracking.

MICROFILMED

MAR 9 2 1963

FIELD 1

INTAKE FAMILY	DESIGN APPLIC.	FURROW SLOPE	FURROW SPACING	FURROW LENGTH	INFLOW RATE	APPROXIMATE INFLOW TIME	ADVANCE TIME	GROSS	NET	DEEP	IRRIGATION	
								IRRIGATION	IRRIGATION			PERC.
								APPLICATION	APPLICATION			RUNOFF
	Inches	Ft/Ft	Feet	Feet	Gpm	Hours	Minutes	Inches	Inches	Inches	In.	%
0.55	2.47	.004	2.50	150	2.0	8	27.0	4.11	2.47	1.56	0.07	60.15
0.55	2.47	.004	2.50	150	1.0	12	128.0	3.08	2.71	0.05	0.56	~~80.20~~ 70
0.55	2.47	.004	2.50	250	3.0	8	53.4	3.70	2.53	1.01	0.22	66.83
0.55	2.47	.004	2.50	250	2.0	12	126.9	3.70	3.00	0.36	0.87	66.83
0.55	2.47	.004	2.50	350	4.0	8	81.5	3.52	2.54	0.72	0.33	~~70.47~~ 70
0.55	2.47	.004	2.50	350	3.0	12	149.4	3.96	3.12	0.41	1.08	62.38

AVE 8-hr 65.66
12-hr 66.40 ✓

5.3 AC SPR WHEAT

MICROFILMED

MAR 3 2 1966

FIELD 2

	INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS	NET	DEEP	IRRIGATION	
									IRRIGATION	IRRIGATION			
									APPLICATION	APPLICATION			RUNOFF
									Inches	Inches	Inches	In.	%
SPLIT	0.55	2.47	.004	2.50	150	4.5	8	11.3	9.24	2.49	6.72	0.05	26.73
	0.55	2.47	.004	2.50	150	1.5	12	45.3	4.62	2.80	1.72	0.43	53.47 ✓
	0.55	2.47	.004	2.50	300	5.5	8	35.2	5.65	2.48	3.08	0.10	43.74
	0.55	2.47	.004	2.50	300	2.5	12	137.3	3.85	2.68	0.84	0.54	64.16 ✓
	0.55	2.47	.004	2.50	350	6.0	8	44.5	5.28	2.48	2.69	0.12	46.78
	0.55	2.47	.004	2.50	350	3.0	12	149.4	3.96	2.71	0.88	0.61	62.38 ✓
	0.55	2.47	.004	2.50	375	6.5	8	47.0	5.34	2.50	2.72	0.15	46.27
	0.55	2.47	.004	2.50	375	3.0	12	190.4	3.70	2.57	0.65	0.58	66.83 ✓
	0.55	2.47	.004	2.50	450	7.5	8	59.2	5.13	2.51	2.46	0.20	48.12
	0.55	2.47	.004	2.50	450	4.0	12	176.2	4.11	2.72	0.93	0.71	60.15 ✓
	0.55	2.47	.004	2.50	700	11.0	8	99.3	4.84	2.51	2.03	0.34	51.04
	0.55	2.47	.004	2.50	700	6.5	12	248.0	4.29	2.66	0.93	0.89	57.58
	0.55	2.47	.004	2.50	750	11.5	8	110.0	4.72	2.48	1.91	0.35	52.30
	0.55	2.47	.004	2.50	750	7.0	12	262.7	4.31	2.63	0.93	0.91	57.28

12-hr is better

SPLIT OPTION IS BETTER

AVE OF IRRIG

53.47

64.16

60.15

59.26 AVE

(A)

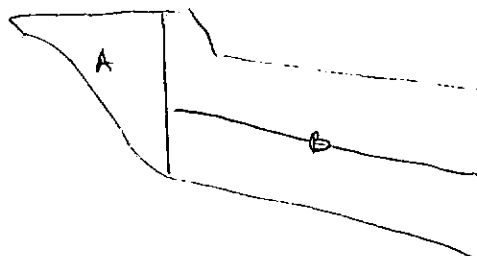
AVE OF SPLITS

62.38 x 3

66.83 x 2

ave = 64.16

(B)



SPLIT FIELD 2 INTO A+B

B IS SPLIT LENGTH

MICROFILMED

MAR 2 1966

24.3 AC CORN GRAIN

FIELD 3

INTAKE FAMILY	DESIGN APPLIC.	FURROW SLOPE	FURROW SPACING	FURROW LENGTH	INFLOW RATE	APPROXIMATE INFLOW TIME	ADVANCE TIME	GROSS IRRIGATION	NET IRRIGATION	RUNOFF	DEEP PERC.	IRRIGATION EFFICIENCY
								APPLICATION	APPLICATION			
	Inches	Ft/Ft	Feet	Feet	Gpm	Hours	Minutes	Inches	Inches	Inches	In.	%
0.55	2.47	.004	2.50	150	2.0	8	27.0	4.11	2.47	1.56	0.07	60.15
0.55	2.47	.004	2.50	150	1.0	12	128.0	3.08	2.71	0.05	0.56	~~80.20~~ 70
0.55	2.47	.004	2.50	450	5.0	8	110.4	3.42	2.52	0.54	0.41	~~72.48~~ 70
0.55	2.47	.004	2.50	450	3.5	12	246.0	3.59	2.81	0.03	1.09	68.74
0.55	2.47	.004	2.50	500	5.5	8	125.0	3.39	2.49	0.47	0.45	~~72.94~~ 70
0.55	2.47	.004	2.50	500	4.0	12	253.8	3.70	2.84	0.06	1.17	66.83

AVE 8-hr 66.72
12-hr 68.52 ✓

6 AC SPR WHEAT

MICROFILMED

MAR 9 2 1963

FIELD 4

INTAKE FAMILY	DESIGN APPLIC.	FURROW SLOPE	FURROW SPACING	FURROW LENGTH	INFLOW RATE	APPROXIMATE INFLOW TIME	ADVANCE TIME	GROSS	NET	DEEP PERC.	IRRIGATION EFFICIENCY	
								IRRIGATION	IRRIGATION			RUNOFF
								APPLICATION	APPLICATION			INCHES
	Inches	Ft/Ft	Feet	Feet	Gpm	Hours	Minutes	Inches	Inches	Inches	In.	%
0.55	2.65	.004	1.83	350	3.5	8	105.7	4.21	2.80	1.02	0.54	62.98 ✓
0.55	2.65	.004	1.83	350	2.5	12	242.6	4.51	3.18	0.48	1.37	58.78
0.55	2.65	.004	1.83	400	4.0	8	120.8	4.21	2.77	0.98	0.58	62.98 ✓
0.55	2.65	.004	1.83	400	3.0	12	241.4	4.73	3.26	0.62	1.47	55.99
0.55	2.65	.004	1.83	500	5.0	8	151.0	4.21	2.69	0.91	0.65	62.98 ✓
0.55	2.65	.004	1.83	500	3.5	12	367.8	4.42	2.68	0.33	1.43	59.98
0.55	2.65	.004	1.83	550	6.0	8	139.7	4.59	2.84	1.19	0.75	57.73 ✓
0.55	2.65	.004	1.83	550	4.0	12	362.0	4.59	2.76	0.43	1.51	57.73
0.40	3.51	.004	1.83	350	22.0	8	18.0	26.45	3.51	22.89	0.05	13.27
0.40	3.51	.004	1.83	350	5.5	12	40.5	9.92	3.52	6.31	0.10	35.39
0.40	3.51	.004	1.83	350	2.0	24	269.9	7.21	4.47	2.19	1.51	48.66 ✓
0.40	3.51	.004	1.83	400	22.5	8	21.2	23.67	3.51	20.10	0.06	14.83
0.40	3.51	.004	1.83	400	6.0	12	48.7	9.47	3.54	5.82	0.14	37.08
0.40	3.51	.004	1.83	400	2.0	24	472.3	6.31	3.91	1.39	1.42	55.62 ✓
0.40	3.51	.004	1.83	500	24.0	8	27.9	20.20	3.53	16.59	0.10	17.38
0.40	3.51	.004	1.83	500	7.0	12	66.1	8.84	3.56	5.11	0.21	39.73
0.40	3.51	.004	1.83	500	2.5	24	590.4	6.31	3.67	1.31	1.49	55.62 ✓
0.40	3.51	.004	1.83	550	24.5	8	31.5	18.74	3.52	15.12	0.11	18.73
0.40	3.51	.004	1.83	550	7.5	12	75.1	8.61	3.57	4.85	0.25	40.78
0.40	3.51	.004	1.83	550	3.0	24	488.9	6.88	4.07	1.72	1.65	50.98 ✓

SOIL
BSA

BSA is worst-case soil
are is:

24-hr best

48.66 x 1

55.62 x 1

55.62 x 1

50.98 x 3

52.14 are ✓

19.6 AC

SUGAR BEETS

MICROFILMED

MAR 32 1960

FIELD 5

INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS	NET	DEEP	IRRIGATION	
								IRRIGATION APPLICATION Inches	IRRIGATION APPLICATION Inches			RUNOFF Inches
0.55	2.65	.004	1.83	500	5.0	8	151.0	4.21	2.69	0.91	0.65	62.98 ✓
0.55	2.65	.004	1.83	500	3.5	12	367.8	4.42	2.68	0.33	1.43	59.98

8.4 AC SUGAR BEETS

MICROFILMED

MAR 3 2 1963

FIELD 6

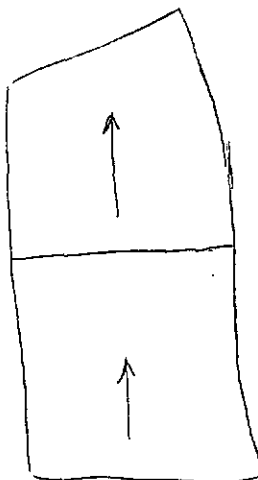
INTAKE FAMILY	DESIGN APPLIC.	FURROW SLOPE	FURROW SPACING	FURROW LENGTH	INFLOW RATE	APPROXIMATE INFLOW TIME	ADVANCE TIME	GROSS	NET	RUNOFF	DEEP PERC.	IRRIGATION EFFICIENCY
								IRRIGATION APPLICATION	IRRIGATION APPLICATION			
	Inches	Ft/Ft	Feet	Feet	Gpm	Hours	Minutes	Inches	Inches	Inches	In.	%
SPLIT FIELD	0.55	2.47	.004	2.50	375	4.5	8	80.1	3.70	2.61	0.84	0.39 66.83 ✓
	0.55	2.47	.004	2.50	375	3.0	12	190.4	3.70	2.96	0.18	1.04 66.83
	0.55	2.47	.004	2.50	425	5.0	8	94.0	3.62	2.60	0.72	0.43 68.17 ✓
	0.55	2.47	.004	2.50	425	3.5	12	200.3	3.80	3.00	0.21	1.13 64.92
	0.55	2.47	.004	2.50	500	5.5	8	125.0	3.39	2.49	0.47	0.45 ~~72.91~~ 70 ✓
	0.55	2.47	.004	2.50	500	4.0	12	253.8	3.70	2.84	0.06	1.17 66.83
	0.55	2.47	.004	2.50	750	9.0	8	160.2	3.70	2.57	0.52	0.71 66.83
	0.55	2.47	.004	2.50	750	6.5	12	311.8	4.00	2.85	0.08	1.46 61.69
	0.55	2.47	.004	2.50	850	10.0	8	188.0	3.62	2.47	0.41	0.74 68.17 ✓
	0.55	2.47	.004	2.50	850	7.5	12	338.6	4.08	2.80	0.06	1.54 60.59
	0.55	2.47	.004	2.50	1000	12.5	8	199.3	3.85	2.53	0.49	0.89 64.16 ✓
	0.55	2.47	.004	2.50	1000	9.0	12	380.4	4.16	2.68	0.04	1.65 59.41

8-hr better

SPLIT FIELD OPTION IS BETTER

AVE is 68.33

FIELD 6
SPLIT



11.1 AC SPR WHEAT

MICROFILMED

MAR 9 2 1968

FIELD 7

INTAKE FAMILY	DESIGN APPLIC.	FURROW SLOPE	FURROW SPACING	FURROW LENGTH	INFLOW RATE	APPROXIMATE INFLOW TIME	ADVANCE TIME	GROSS	NET	RUNOFF	DEEP PERC.	IRRIGATION EFFICIENCY
								IRRIGATION APPLICATION	IRRIGATION APPLICATION			
	Inches	Ft/Ft	Feet	Feet	Gpm	Hours	Minutes	Inches	Inches	Inches	In.	%
0.55	2.47	.004	2.50	400	4.5	8	95.9	3.46	2.53	0.62	0.37	~~71.29~~ 70 ✓
0.55	2.47	.004	2.50	400	3.5	12	162.5	4.04	3.15	0.41	1.16	61.10
0.55	2.47	.004	2.50	450	5.0	8	110.4	3.42	2.52	0.54	0.41	~~72.18~~ 70 ✓
0.55	2.47	.004	2.50	450	3.5	12	246.0	3.59	2.81	0.03	1.09	68.74
0.55	2.47	.004	2.50	500	5.5	8	125.0	3.39	2.49	0.47	0.45	~~72.91~~ 70 ✓
0.55	2.47	.004	2.50	500	4.0	12	253.8	3.70	2.84	0.06	1.17	66.83
0.55	2.47	.004	2.50	650	7.5	8	148.8	3.55	2.53	0.48	0.60	69.51 ✓
0.55	2.47	.004	2.50	650	5.5	12	286.4	3.91	2.87	0.08	1.36	63.19
0.55	2.47	.004	2.50	750	9.0	8	160.2	3.70	2.57	0.52	0.71	66.83 ✓
0.55	2.47	.004	2.50	750	6.5	12	311.8	4.00	2.85	0.08	1.46	61.69

8-hr better
ave is 69.39 (500' twice in ave)

16.8 AC CORN GRAIN

MICROFILMED

MAR 3 2 1963

FIELD 8

INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS	NET	DEEP	IRRIGATION	
								IRRIGATION	IRRIGATION			
								APPLICATION	APPLICATION			RUNOFF
								Inches	Inches	Inches	In.	%
0.55	2.47	.004	2.50	500	8.0	8	69.3	4.93	2.49	2.24	0.22	50.12
0.55	2.47	.004	2.50	500	4.5	12	190.2	4.16	2.72	0.94	0.75	59.41

7.1 AC CORN GRAIN

MICROFILMED

MAR 3 2 1978

FIELD 9

	INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS	NET	DEEP PERC. In.	IRRIGATION EFFICIENCY %	
									IRRIGATION APPLICATION Inches	IRRIGATION APPLICATION Inches			RUNOFF Inches
SPLIT	0.55	2.47	.004	2.50	300	3.5	8	67.3	3.59	2.54	0.85	0.28	68.74 ✓
	0.55	2.47	.004	2.50	300	2.5	12	137.3	3.85	3.07	0.40	0.98	64.16
	0.55	2.47	.004	2.50	325	4.0	8	66.5	3.79	2.61	0.98	0.34	65.16
	0.55	2.47	.004	2.50	325	2.5	12	183.0	3.55	2.90	0.14	0.95	69.51 ✓
	0.55	2.47	.004	2.50	350	4.0	8	81.5	3.52	2.54	0.72	0.33	~~70.17~~ 70
	0.55	2.47	.004	2.50	350	3.0	12	149.4	3.96	3.12	0.41	1.08	62.38
	0.55	2.47	.004	2.50	400	4.5	8	95.9	3.46	2.53	0.62	0.37	~~71.29~~ 70
	0.55	2.47	.004	2.50	400	3.5	12	162.5	4.04	3.15	0.41	1.16	61.10
	0.55	2.47	.004	2.50	650	7.5	8	148.8	3.55	2.53	0.48	0.60	69.51 ✓
	0.55	2.47	.004	2.50	650	5.5	12	286.4	3.91	2.87	0.08	1.36	63.19
	0.55	2.47	.004	2.50	700	6.0	12	298.9	3.96	2.86	0.08	1.41	62.38
	0.55	2.47	.004	2.50	800	7.0	12	325.1	4.04	2.83	0.07	1.50	61.10
	0.55	2.47	.004	2.50	800	9.5	8	174.0	3.66	2.52	0.46	0.73	67.54 ✓

AVE 8-hr

$$68.74 \times 1$$

$$69.51 \times 2$$

full length

$$70. \times 2$$

$$67.54 \times 1$$

$$69.22$$



SPLIT OPTION

$$8\text{-hr} \quad 68.13$$

$$12\text{-hr} \quad 64.90$$

AVE 12-hr

$$64.16 \times 1$$

$$63.19 \times 2$$

$$62.38 \times 2$$

$$61.10 \times 1$$

$$62.73$$

MICROFILMED

MAR 02 1980

use 8-hr
full length

25 AC SPR WHEAT

FIELD 9A

INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS	NET	DEEP PERC. In.	IRRIGATION EFFICIENCY %	
								IRRIGATION APPLICATION Inches	IRRIGATION APPLICATION Inches			
0.55	2.47	.004	2.50	700	8.0	8	163.1	3.52	2.49	0.42	0.63	~~70.17~~ / 70

MICROFILMED

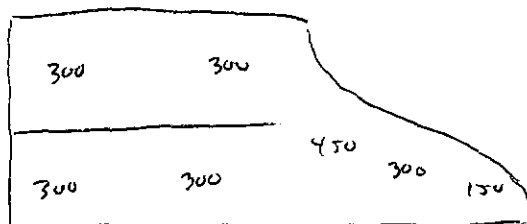
MAR 3 2 1963

FIELD 10

INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS	NET		DEEP PERC. In.	IRRIGATION EFFICIENCY %
								IRRIGATION	IRRIGATION			
								APPLICATION	APPLICATION	RUNOFF		
0.55	2.47	.004	2.50	150	4.5	8	11.3	9.24	2.49	6.72	0.05	26.73
0.55	2.47	.004	2.50	150	1.5	12	45.3	4.62	2.80	1.72	0.43	53.47 ✓
0.55	2.47	.004	2.50	300	5.5	8	35.2	5.65	2.48	3.08	0.10	43.74
0.55	2.47	.004	2.50	300	2.5	12	137.3	3.85	2.68	0.84	0.54	64.16 ✓
0.55	2.47	.004	2.50	450	7.5	8	59.2	5.13	2.51	2.46	0.20	48.12
0.55	2.47	.004	2.50	450	4.0	12	176.2	4.11	2.72	0.93	0.71	60.15 ✓
0.55	2.47	.004	2.50	600	9.5	8	84.3	4.88	2.51	2.12	0.28	50.65
0.55	2.47	.004	2.50	600	5.5	12	218.9	4.23	2.70	0.94	0.82	58.33

12-hr is better

SPLIT OPTION IS BETTER



AVE 12-hr

(SPLIT)

53.47

64.16

60.15

64.16 x 4

62.06 ave

15 AC CORN GRAIN

MICROFILMED

MAR 3 2 1968

FIELD 11 + 12

INTAKE FAMILY	DESIGN APPLIC.	FURROW SLOPE	FURROW SPACING	FURROW LENGTH	INFLOW RATE	APPROXIMATE INFLOW TIME	ADVANCE TIME	GROSS	NET	RUNOFF	DEEP PERC.	IRRIGATION EFFICIENCY
								IRRIGATION APPLICATION	IRRIGATION APPLICATION			
	Inches	Ft/Ft	Feet	Feet	Gpm	Hours	Minutes	Inches	Inches	Inches	In.	%
0.55	2.65	.004	3.67	325	10.0 max	8	24.1	6.46	2.31	0.00	0.00	~~0.00~~ NA
0.55	2.65	.004	3.67	325	5.5	12	42.0	5.33	2.70	2.55	0.13	49.76
0.55	2.65	.004	3.67	325	2.0	24	359.5	3.87	3.16	0.13	1.10	68.42 ✓
0.55	2.65	.004	3.67	350	10.0 max	8	27.4	5.99	2.29	0.13	1.10	~~68.42~~ NA
0.55	2.65	.004	3.67	350	5.5	12	49.7	4.95	2.67	2.18	0.12	53.59
0.55	2.65	.004	3.67	350	2.5	24	242.6	4.50	3.53	0.57	1.28	58.94 ✓
0.55	2.65	.004	3.67	650	10.0 max	8	94.9	3.23	2.05	0.57	1.28	~~58.94~~ NA
0.55	2.65	.004	3.67	650	8.5	12	120.4	4.12	2.71	1.15	0.32	64.39
0.55	2.65	.004	3.67	650	4.5	24	494.2	4.36	3.30	0.13	1.58	60.82
0.55	2.65	.004	3.67	700	10.0 max	8	113.3	3.00	1.98	0.13	1.58	~~60.82~~ NA
0.55	2.65	.004	3.67	700	9.0	12	133.2	4.05	2.70	1.05	0.35	65.49
0.55	2.65	.004	3.67	700	5.0	24	485.3	4.50	3.39	0.18	1.67	58.94

AVE FULL LENGTH

64.39

65.49

12-hr

64.94

AVE SPLIT

68.42

58.94

24-hr

63.68

MICROFILMED

MAR 12 1960

64.94

FIELD 11 16.3 AC ALR SEED - FIELD 12 17.9 AC ALR SEED

CONVEYANCE LOSS

SOILS

- SUBSURFACE

~~CCA~~

~~CCB~~

BSB

BSA

~~GRAVELLY SAND~~

"

"

SILT LOAM , LOAM

"

"

on property

6732' LONG

6' WIDE

(.63)

.5 - .75

= 2

.8 - .94

.87

.51

.51
.67

use 1.0 ft

How deep from surface?

$$S = .0667 \text{ w i}$$

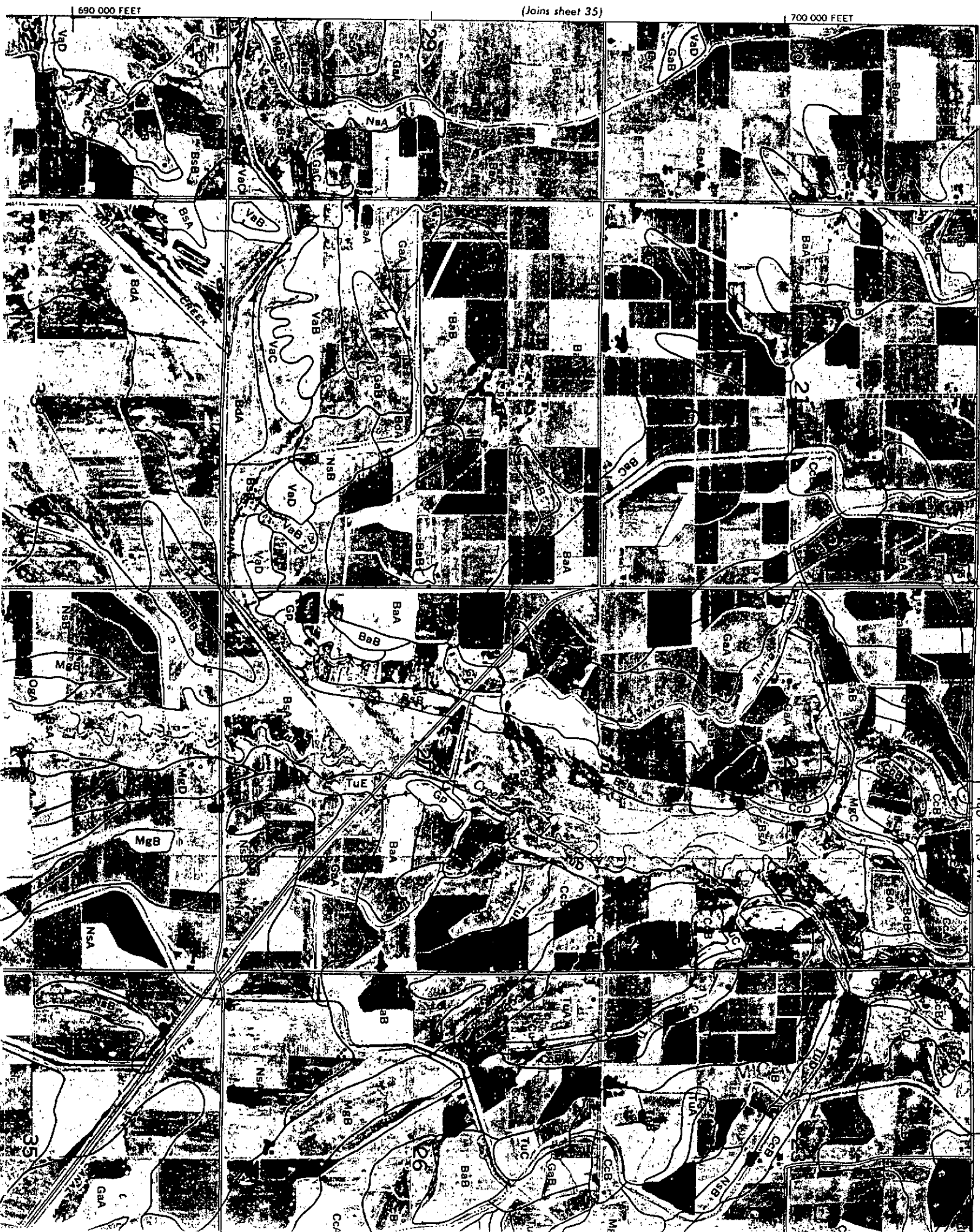
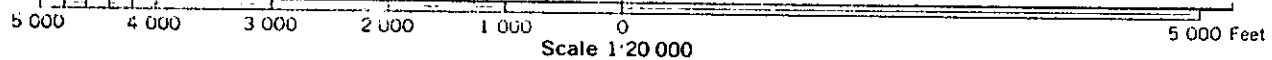
$$= .0667 (6) i = .40 \text{ CFS/width}$$

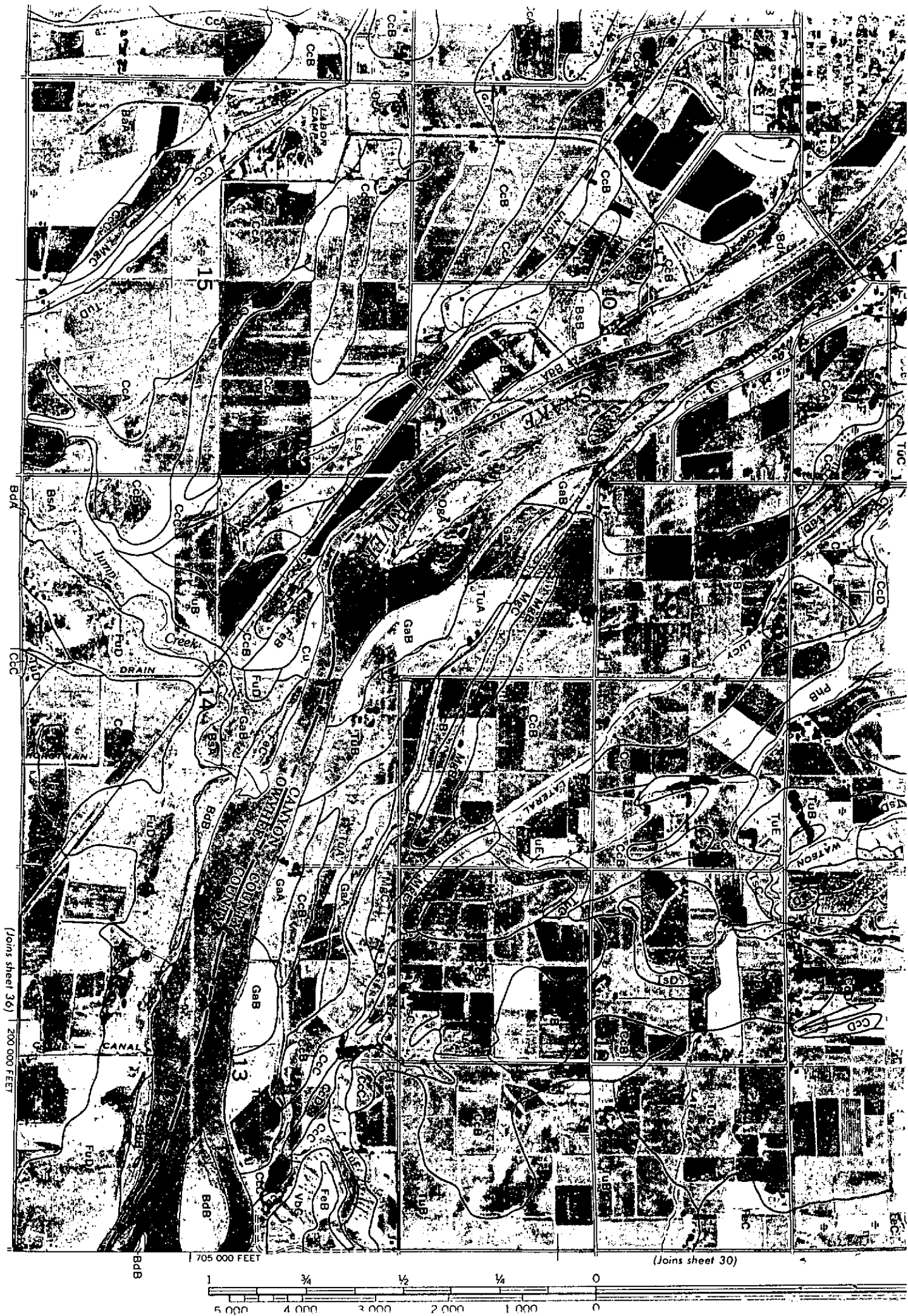
$$\frac{6732}{5280} \times .4 = 0.51 \text{ CFS}$$

5280

MICROFILMED

MAR 32 1973





Worstell:²⁶

<u>Seepage Rates of General Soil Groups</u>		
General Soil Group	Ponding Tests Average Rate feet/day	Seepage Meter Tests Average Rate feet/day
Clayey	0.23	0.65
✓ Silty	0.80	0.55
✓ Loamy	0.94	0.85
Sandy	1.56	1.91
Unspecified	1.01	1.13

<u>Seepage from Lined Canals</u>		
Lining Type	Average Rate feet/day	Range feet/day
Concrete	0.24	0.03 - 0.96
Compacted earth	0.17	0.01 - 0.95
Asphalt membrane	0.46	0.01 - 3.0
Soil cement	0.08	0.03 - 0.20
Chemical sealant	1.79	0.32 - 8.3
Sediment seal	0.78	0.39 - 1.3
Unlined - all soil types	0.99	0.01 - 17.6

"C", "i" and "average seepage rate" are identical factors and the tables above could be used interchangeably to assist in assigning a factor for a described soil. All of them use soil descriptions somewhat different from those now used in the National Cooperative Soil Survey. Some judgement is required in selecting coefficients.

1. The Moritz Formula

The Moritz method estimates canal dimensions based on the canal discharge and velocity. It is based on the following equation:

$$S = 0.2C \sqrt{\frac{Q}{V}}$$

Eq. 11

$$Q = VA$$

Where S = Seepage loss (cfs/mile)
 Q = Canal discharge (cfs)
 V = Velocity in canal (ft/sec)

MICROFILMED

²⁶Worstell, Robert V., "Estimating Seepage Losses from Canal Systems," Journal of the Irrigation and Drainage Division, ASCE, Vol. 102, No. IR1, Proc. Paper 11960, March, 1976, pp. 137-147.



Temp

CCE

CCE

BSA

BdA

E 15

BA

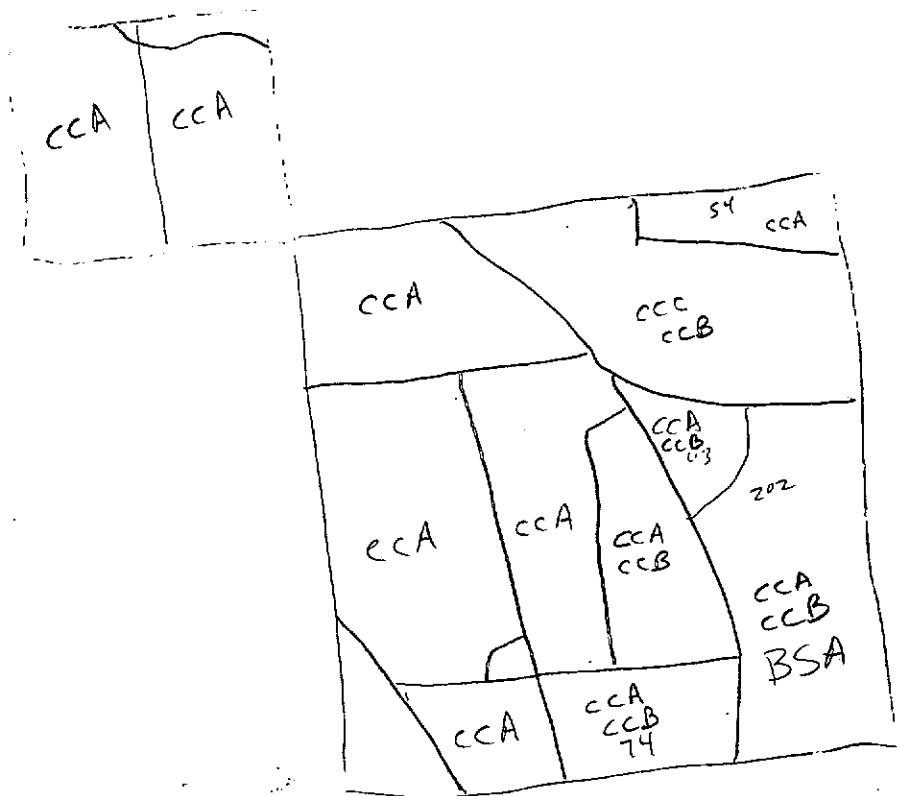
CCE

CCE MEC

BA

LABOR CAMP

CCE



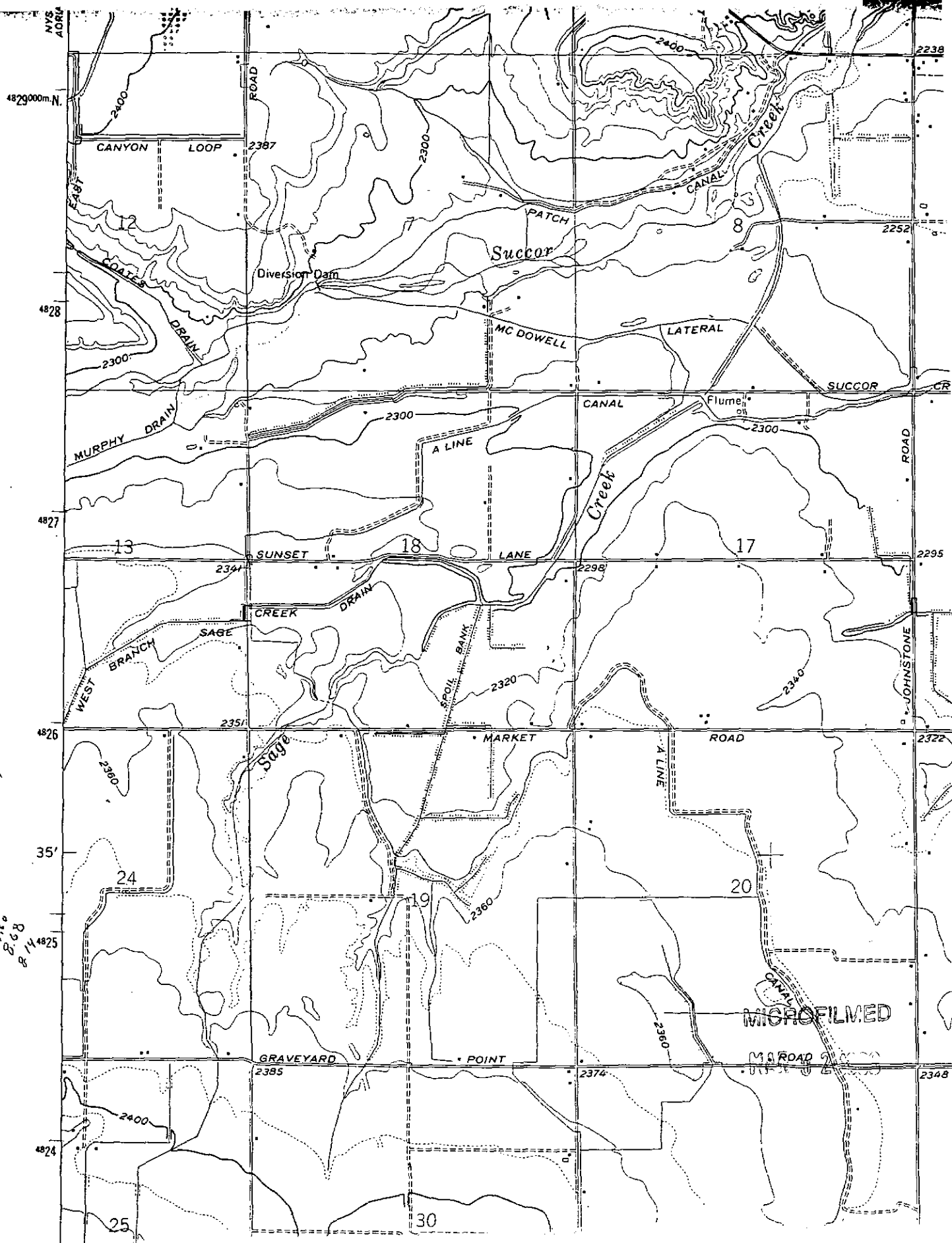
MICROFILMED

MAR 02 1968

base on area shown
then increase due
to re-surveyed areas

FIELD
SL

C.



10.31 7.66
10.31 6.51
10.85 6.51

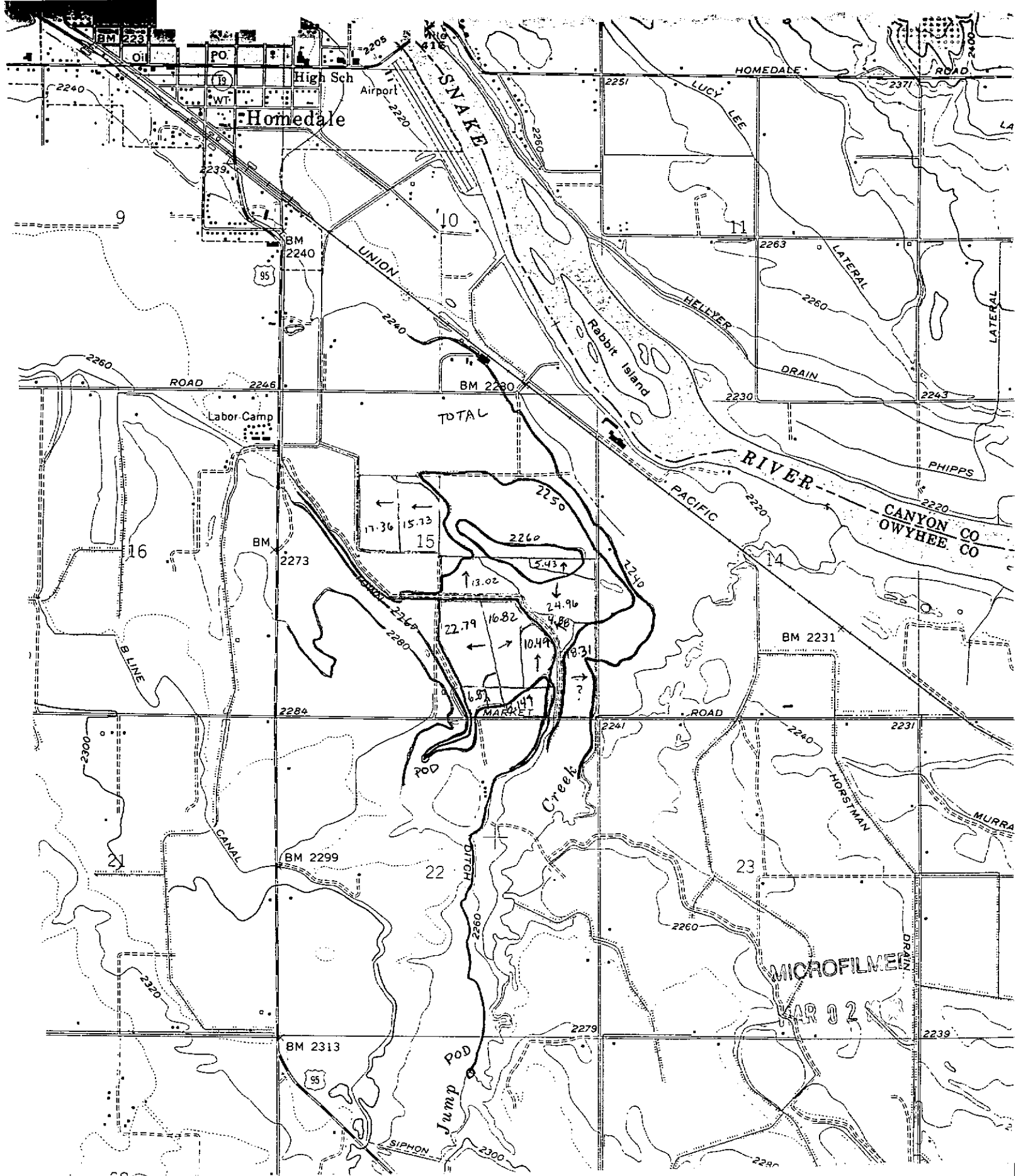
12.31
7.66
8.68
8.14

22.24
22.79

18.45
17.96
17.90

MICROFILMED

pe
t
photo



AWC ADJUSTMENT (for Soil Survey Data published prior to 1981)

date: 12/04/96 initials: JP

Soil Type = BSA SILT LOAM Source of Soils Data = published soil survey for Canyon County Area

soil depth (inches)	AWC (in/in)		coarse (%)		#10		organic (%)		clay (%)		salinity (mmhos/cm)		adj AWC (in/in)	
	lower	upper	lower	upper	lower	upper	lower	upper	lower	upper	lower	upper	lower	upper
0	52	0.1	0	0	95	100	0	1	0	27	4	16	0.10	0.17

not
avail.

from
USDA chart

pH = 7.9-9.6

1.E = .4

MICROFILMED

MAR 3 2 1998

AWC ADJUSTMENT (for Soil Survey Data published prior to 1981)

date: 09/03/92 initials: JP

Soil Type = CcA, CcB, CcC Source of Soils Data = published soil survey for Canyon County Area

soil depth (inches)		AWC (in/in)		coarse (%)		#10		organic (%)		clay (%)		salinity (mmhos/cm)		adj AWC (in/in)	
				>3"											
lower	upper	lower	upper	lower	upper	lower	upper	lower	upper	lower	upper	lower	upper	lower	upper
0	35	0.12	0.14	0	0	95	100	0	1	0	20	0	2	0.12	0.14
35	60	0.04	0.06	0	0	50	70	0	0	0	10	0	2	0.02	0.04

not
avail

from USDA
chart

$$I.E = .55$$

$$p_h = 7.9 - 8.4$$

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selecting the exact location of a road, building, or similar structure, because the soils in any one association ordinarily differ in slope, depth, stoniness, drainage, and other characteristics that affect their management.

The soils of the Area have been grouped into eight soil associations, each of which has a distinctive proportional pattern of soils. The terms for texture used in the title for the associations apply to the surface layer of the soils. For example, in the title for association 1, the words "silt loams to sandy loams" refer to texture of the surface layer.

The soil associations in the Canyon Area are described in the following pages.

1. Elijah-Lankbush-Vickery Association

Well-drained silt loams to sandy loams on high uplands

This association is in the Black Canyon area in the northern and northeastern parts of Canyon County. Most of this association is hilly or rolling. Long ridges one-sixteenth to a quarter of a mile wide are separated by narrow alluvial bottoms of small intermittent drainageways. Slopes range from about 1 percent on the bottoms to more than 40 percent on the ridges. Willow Creek and Sand Hollow Creek flow through this association. Both creeks flow intermittently in areas of highest elevation. Soils in these higher areas generally are not cultivated.

The annual precipitation is 10 to 12 inches, the mean annual temperature is 50° to 52° F., and 145 to 160 days are frost free. Elevation ranges from 2,200 to 2,700 feet. The native vegetation was mainly bluebunch wheatgrass, Sandberg bluegrass, and big sagebrush. Now the dominant vegetation in uncultivated areas is cheatgrass, medusahead wildrye, and big sagebrush.

This association makes up about 13 percent of the survey area. Of this, 60 percent is Elijah soils, 20 percent is Lankbush soils, 10 percent is Vickery soils, and the rest is Sebree, Chilcott, Lolalita, and Jenness soils.

The soils in this association formed in stratified sandy and loamy alluvium derived from acid igneous rock. On hilltops and on broad ridges this parent alluvium had a thin mantle of silt.

Typically the major soils have a silt loam or sandy loam surface layer about 6 inches thick that is light brownish gray when dry and dark grayish brown when moist. The organic-matter content is low. A layer in which lime has accumulated commonly occurs at a depth of 12 to 20 inches.

Elijah and Vickery soils are gently sloping and occur on ridges. The subsoil of Elijah soils is finer textured than that of Vickery soils, and Elijah soils have an indurated hardpan at a depth of about 2 to 3 feet. Lankbush soils are sloping to strongly sloping and do not have an indurated hardpan.

Among the minor soils are Sebree soils that occur as slick spots on ridges, and Jenness soils that occur in deep, alluvial drainageways and on bottoms between the ridges. Lolalita soils are steep and very steep soils of limited acreage that occur on south-facing slopes.

Most of this association is irrigated for crops, mainly corn, small grains, and alfalfa. Sugar beets and other crops also are grown. Most farms have some livestock, and many small dairy herds are in the association. Several thousand acres of soils that are steep and soils that are remote from the irrigation canals are used for range. This association

has the largest area of uncultivated soils in the Canyon Area.

Where cultivated, the soils require management that increases organic-matter content and intake of irrigation water. Deep plowing and mixing of the soil layers to a depth of 2 to 3 feet improves the physical characteristics of Sebree and Chilcott soils (fig. 2).

Farms in this association are 120 to 320 acres in size, and most of them are diversified. The trend is toward larger farms. The area under irrigation is being increased through the use of water pumped from deep wells and from canals. The development of irrigation systems that can deliver adequate amounts of water during the peak irrigation season is a concern to all farmers in this association.

2. Moulton-Bram-Baldock Association

Somewhat poorly drained and moderately well drained fine sandy loams to silt loams on lowlands

This association occurs on bottom lands, mainly along the Boise River. Large tracts occur near Middleton, south of Notus, near Parma, and in the area where the Boise River joins the Snake River. The soils are mainly level to gently sloping, and in most places they are cut by old stream channels. Formerly, the soils in this association were flooded every year and natural drainage was poor. Now, storage reservoirs on the rivers prevent floods in most areas. Some soils have been drained by open ditches or tile drains, but the low gradient of the Boise River has hampered the development of good drainage systems, especially in areas south of Notus and near Parma.

The annual precipitation is 10 to 12 inches, the mean annual temperature is 50° to 52° F., and about 145 to 160 days are frost free. The native vegetation on saline-alkali soils was mostly alkali bluegrass, foxtail, barley, greasewood, and saltgrass. On wet soils it was wiregrass, redtop, and sedges, and on better drained, less alkaline soils it was giant wildrye, other bunch grasses, rabbitbrush, and big sagebrush. In swales and basins where the water table was higher, the vegetation was mostly rushes, sedges, and cattails.

This association makes up about 15 percent of the survey area. Of this, 27 percent is Moulton soils, 18 percent is Bram soils, 14 percent is Baldock soils, and the rest is Notus, Falk, Chance, and Letha soils.

The soils in this association formed in alluvium. In most areas they are underlain by gravel and sand at a depth of less than 4 feet.

Moulton soils are somewhat poorly drained and noncalcareous. The surface layer is fine sandy loam or sandy loam, and the subsoil is fine sandy loam. These soils are mottled in the uppermost 20 inches. They occur at low elevations in areas where drainage is poor.

Bram soils are moderately well drained, deep to very deep, and saline-alkali. Both the surface layer and the subsoil are silt loam.

Baldock soils are somewhat poorly drained. The surface layer and subsoil are loam to silt loam over a gravelly substratum.

Chance soils are minor soils in this association. They are poorly drained to very poorly drained and occur in long, narrow strips along old drainageways. Notus soils, also of limited acreage, are somewhat poorly drained and are

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poor natural drainage causes a perched water table, crops grow less well.

Management is needed to level the soils for even distribution of irrigation water. Low-lying soils and soils that have a hardpan require drainage to remove excess water.

4. Greenleaf-Nyssaton-Garbutt Association

Well-drained silt loams on lake terraces and alluvial fans

This association occurs mostly in three areas separated by the Boise and Snake Rivers. The soils are on high lake terraces and alluvial fans. One area is north of the Boise River extending from Caldwell to north of Notus and Parma. Another area is south of the Boise River near Greenleaf and Wilder. A large area also occurs on the higher terraces and fans in Owyhee County south and west of Marsing and Homedale.

The mean annual temperature is 50° to 52° F., and about 145 to 165 days are frost free. The annual precipitation is about 8 to 11 inches; it is lower near the Snake River, and it is very low south of the Snake River.

The native vegetation was mainly bluebunch wheatgrass, Sandberg bluegrass, and big sagebrush. In areas where rainfall is low, the dominant vegetation was big sagebrush, wild barley, squirreltail, shadscale, and greasewood. Practically all of this association is now used for irrigated crops.

This association makes up 21 percent of the survey area. Of this, 20 percent is Greenleaf soils, 20 percent is Nyssaton soils, 20 percent is Garbutt soils, and the rest is minor soils.

Most of the soils are level to gently sloping, and slopes are uniform over wide areas. The soils in this association formed in alluvium or deep lacustrine deposits of silt loam to loam material. In most places, a thin mantle of silt covered the parent material.

Greenleaf soils have a surface layer of light brownish-gray, neutral silt loam and a subsoil of silt loam to silty clay loam. Calcium carbonate has accumulated commonly at a depth of 14 to 22 inches. Depth to underlying stratified sediments ranges from 17 to 40 inches.

Nyssaton soils are calcareous and moderately alkaline in the plow layer. They are underlain by strongly calcareous, nodular silt loam.

Garbutt soils are nearly level to sloping. They occur on alluvial fans and terraces. The surface layer is light brownish-gray, moderately alkaline silt loam. These soils are underlain by moderately calcareous silt loam.

Among the minor soils are Bahem and Vanderhoff soils. The Vanderhoff soils have steep slopes, occur on terraces, and are underlain by siltstone.

The soils in this association are well suited to sugar beets, potatoes, onions, field corn, sweet corn, small grains, alfalfa seed, and hay. The soils are generally fertile, respond well to good management and fertilizer, and are suited to intensive cultivation. Large areas of Greenleaf soils are used to grow hops or vegetables for seed. Alfalfa seed is grown most extensively on Bahem, Garbutt, and Nyssaton soils.

Management is needed to level the soils for uniform distribution and control of irrigation water. Practices that increase or maintain organic-matter content also are important.

Farms in this association generally are about 120 to 200 acres in size. Many farmers work additional acreage of absentee owners. About 10 percent of the farms are 400 to 1,000 acres in size. Most farms are diversified, but some are used for specialty crops, such as hops and seed plants. The trend in land use is toward more intensive farming and the cultivation of specialty crops, such as hops, vegetables, and vegetable seed.

5. Turbyfill-Cencove-Feltham Association

Well-drained and somewhat excessively drained fine sandy loams and loamy fine sands on fans and terraces

This association occurs mostly on terraces near Sunnyslope, Central Cove, and Apple Valley in Canyon County and on low terraces of the Snake River near Marsing and Homedale in Owyhee County. Soils on low terraces and fans are nearly level to gently sloping. Moderately steep soils occur in drainageways, in areas where streams enter the river, and on banks near high terraces.

The mean annual temperature is 50° to 52° F., the annual precipitation is 7 to 10 inches, and about 145 to 165 days are frost free. The native vegetation is mainly big sagebrush, cheatgrass, and other grasses and weeds. In some areas it is mainly wiregrass, saltgrass, and sedges.

This association makes up about 18 percent of the survey area. Of this, 30 percent is Turbyfill soils, 19 percent is Cencove soils, 15 percent is Feltham soils, and the rest is minor soils.

The major soils have a surface layer of light brownish-gray fine sandy loam to loamy fine sand that is neutral to moderately alkaline and is noncalcareous. They are deep, and their permeability is generally moderate. The Turbyfill soils are well drained, and the Feltham soils are somewhat excessively drained. Cencove soils are similar to Turbyfill soils, but they are moderately deep over sand and gravel and are more porous and droughty.

Among the minor soils are Truesdale, Cruickshank, Marsing, and Quincy soils. Truesdale soils are similar to Turbyfill soils but have a cemented hardpan. Cruickshank soils occur in low, wet areas affected by water tables and seepage. Quincy soils were originally sand dunes, but in many places the dunes have been leveled and the soils are used for crops.

The dominant soils in this association are suited to corn, small grains, vegetables and vegetable seed, sugar beets, potatoes, alfalfa seed, alfalfa hay, and pasture grasses. Where air drainage is good and the frost hazard is reduced, fruit trees grow well. Large orchards of cherry, apple, peach, and plum trees are on south-facing slopes near Sunnyslope and Central Cove and also in other areas. The more sandy soils are best suited to pasture grasses, hay, or small grains.

Erosion is a hazard where the soils are cultivated and irrigated. The more sandy and shallow soils have low available water capacity and require more frequent irrigation. The soils generally are low to very low in organic-matter content.

Farms vary greatly in size. Most are 120 to 400 acres. The trend is toward increased acreage in orchards and more intensive cultivation of vegetables and vegetable seed.

Marsh and a few ponds. (Capability unit Vw-1; dryland pasture or range)

Bram Series

The Bram series consists of moderately well drained, light-colored, medium-textured, calcareous soils. These soils formed in loessal and lacustrine alluvium derived from granitic, rhyolitic, and basaltic materials. They are on bottom lands, in old lake or river basins, and on very low terraces along the Boise and Snake Rivers and along drainageways. Drainage is restricted on the low terraces. The vegetation in uncultivated areas is mainly saltgrass, cheatgrass, foxtail barley, greasewood, rabbitbrush, giant wild-rye, and alkali weed. Bram soils are associated with Baldock and Garbutt soils.

Elevation ranges from 2,200 to 2,700 feet. The average annual temperature is 50° to 52° F., and the average summer temperature is 68° to 70°. The frost-free season is 145 to 160 days. The annual precipitation is 8 to 11 inches. Summers are dry.

Bram soils are used for irrigated pasture, small grains, corn, sugar beets, and hay crops. They also are used for dryland pasture or range.

Bram silt loam, saline-alkali, 0 to 1 percent slopes (BsA).—This soil is on alluvial fans, bottom lands, and in old lake or river basins.

In a typical profile the surface layer is pale-brown silt loam about 8 inches thick. The subsoil is about 9 inches thick. It is very pale brown silt loam that has a few faint mottles. Below this layer, extending to a depth of about 32 inches, is light-gray, strongly calcareous loam. The next layer is very pale brown silt loam that extends to a depth of about 52 inches. The underlying material consists of very pale brown fine sandy loam.

Representative profile, 2,450 feet west and 300 feet north of the southeast corner of sec. 36, T. 4 N., R. 3 W., about 2 miles southeast of Caldwell in Canyon County, in a pasture:

- A1—0 to 8 inches, pale-brown (10YR 6/3) silt loam, dark grayish brown (10YR 4/2) when moist; moderate, thin, platy structure parting to weak, fine and very fine, granular; slightly hard, very friable, slightly sticky and slightly plastic; many very fine and fine roots and common medium and coarse roots; common very fine tubular pores; moderately calcareous; very strongly alkaline; clear, smooth boundary.
- B—8 to 17 inches, very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) when moist; few, fine, faint mottles that are dark yellowish brown (10YR 4/4) when moist; moderate, fine and medium, subangular blocky structure; few nodules or insect krotovinas; slightly hard, very friable, slightly sticky and slightly plastic; abundant very fine and fine roots and plentiful medium and coarse roots; common very fine tubular pores and few fine pores; moderately calcareous; strongly alkaline; clear, wavy boundary.
- C1ca—17 to 24 inches, light-gray (10YR 7/2) loam, brown (10YR 5/3) when moist; few, fine, faint mottles that are dark yellowish brown (10YR 4/4) when moist; massive; common, firm nodules or insect krotovinas 0.5 to 0.8 inch in diameter; matrix slightly hard, very friable, slightly sticky and slightly plastic; few, fine, medium, and coarse roots; many very fine tubular pores; strongly calcareous; little segregated calcium carbonate; strongly alkaline; clear, wavy boundary.
- C2ca—24 to 32 inches, light-gray (10YR 7/2) loam, brown (10YR 5/3) when moist; few, fine, faint mottles that are dark yellowish brown (10YR 4/4) when moist; massive; matrix slightly hard, very friable, slightly

sticky and slightly plastic; few fine, medium, and coarse roots; many very fine tubular pores; strongly calcareous; little segregated calcium carbonate; moderately alkaline; clear, wavy boundary.

- C3—32 to 42 inches, very pale brown (10YR 7/3) light silt loam, brown (10YR 4/3) when moist; massive; few firm nodules or insect krotovinas 0.5 to 0.8 inch in diameter; matrix slightly hard, very friable, non-sticky and nonplastic; few fine and medium roots; many very fine tubular pores; moderately calcareous; very few veins of calcium carbonate; moderately alkaline; clear, smooth boundary.

- C4—42 to 52 inches, very pale brown (10YR 7/3) silt loam, brown (10YR 4/3) when moist; few, fine, faint mottles that are dark brown (10YR 3/3) when moist; weak or moderate, medium, laminated structure; common firm nodules or insect krotovinas 0.5 to 0.8 inch in diameter; matrix hard, friable, slightly sticky and slightly plastic; not cemented or very weakly cemented; few fine and medium roots; many very fine tubular pores and few fine; moderately or slightly calcareous; common veins of calcium carbonate; moderately alkaline; abrupt, smooth boundary.

- IIC5—52 to 65 inches, very pale brown (10YR 7/3) fine sandy loam, brown (10YR 5/3) when moist; massive; slightly hard, very friable; very few fine roots; common very fine tubular pores; slightly calcareous; moderately alkaline.

The A horizon is dominantly silt loam, but in places it is loam. In small areas, gravel is on or in the surface layer. Where mixed to a depth of 7 inches, the surface layer ranges in color from grayish brown to light gray or very pale brown when dry and dark grayish brown to grayish brown or brown when moist. Where undisturbed, the uppermost 1 to 5 inches commonly has weak to strong, very thin to medium, platy structure and is vesicular. Where disturbed, the surface layer has weak, very fine or fine, granular structure or it is nearly massive. The A and B horizons are strongly to very strongly alkaline.

The B horizon is pale brown to very pale brown when dry and is brown when moist. It ranges from very weak to moderate, fine or medium, subangular blocky to weak, medium or coarse, prismatic in structure. In places the B and Cca horizons are as much as 20 percent hard, firm, rounded nodules.

The Cca horizon has its upper boundary at a depth of 12 to 22 inches and is 15 to 25 percent carbonates. The C horizon below the Cca horizon is moderately or slightly calcareous and moderately to very strongly alkaline. Depth to the water table is 3 to 5 feet.

The soil is deep to very deep and is moderately well drained. Permeability is slow, the available water capacity is more than 3.75 inches, the organic-matter content is low, and the fertility is moderate. Runoff is slow or very slow, and there is little or no erosion hazard. Included in mapping are small areas of Baldock soils that make up as much as 10 to 15 percent of some mapped areas.

Where excess salts and alkali are removed, this soil can be used for barley, sugar beets, and irrigated pasture consisting mainly of tall wheatgrass. In noncultivated areas the vegetation is alkali weed, saltgrass, and greasewood. These areas are used for pasture. (Capability unit IVw-3 irrigated.)

Bram silt loam, saline-alkali, 1 to 3 percent slopes (BsB).—This soil occurs in narrow strips along drainageways and on the edges of low terraces. Depth to the water table is 3 to 6 feet. Short slopes of slightly more than 3 percent occur on the edges of low terraces. These areas make up as much as 10 to 15 percent of some mapped areas.

Where reclaimed, this soil can be used for irrigated pasture, barley, and sugar beets. Where this soil is irrigated short runs and small streams are needed to control erosion. (Capability unit IVw-3, irrigated.)

Cencove Series

The Cencove series consists of well-drained, moderately coarse textured soils that are moderately deep over sand and gravel. These soils formed in mixed alluvial sediments derived mostly from quartzitic, granitic, rhyolitic, and basaltic material. Slopes range from 0 to 12 percent, but in most places are less than 3 percent. The Cencove soils occur on alluvial fans and low terraces along the Snake River, mainly near Sunnyslope, Central Cove, and Apple Valley in Canyon County, and near Marsing and Homedale in Owyhee County. The vegetation in uncultivated areas is mainly big sagebrush, cheatgrass, and shadscale. Cencove soils are associated with Turbyfill, Marsing, and Feltham soils.

Elevation ranges from 2,200 to 2,600 feet. The average annual temperature is 50° to 52° F., and the average summer temperature is 69° to 76°. The frost-free season is about 145 to 160 days. Annual precipitation is 6 to 10 inches, including 5 to 15 inches of snowfall. Summers are dry.

Cencove soils are used mostly for irrigated small grains, vegetables, vegetable seed, corn, hay, and improved pasture.

Cencove fine sandy loam, 0 to 1 percent slopes (CcA).—This soil occurs on alluvial fans and terraces.

In a typical profile the surface layer is light brownish-gray, slightly calcareous fine sandy loam about 9 inches thick. Below the surface layer is light-gray, moderately calcareous fine sandy loam and sandy loam about 23 inches thick. Gravel and sand occur at a depth of about 32 inches.

Representative profile, 500 feet north and 40 feet east of the southwest corner of sec. 34, T. 4 N., R. 5 W., in Canyon County in a cultivated area:

- Ap—0 to 9 inches, light brownish-gray (10YR 6/2) fine sandy loam, dark grayish brown (10YR 4/2) when moist; weak, very fine, granular structure; slightly hard, very friable, slightly sticky and nonplastic; abundant fine and medium roots; slightly calcareous; moderately alkaline; abrupt, smooth boundary.
- C1ca—9 to 20 inches, light-gray (10YR 7/2) fine sandy loam, grayish brown (10YR 5/2) when moist; massive; slightly hard, very friable, slightly sticky and slightly plastic; abundant fine and medium roots; many very fine tubular pores; moderately alkaline; moderately calcareous; clear, smooth boundary.
- C2ca—20 to 32 inches, light-gray (10YR 7/2) sandy loam, grayish brown (10YR 5/2) when moist; massive; slightly hard, friable, slightly sticky and nonplastic; plentiful fine and medium roots; common fine tubular pores; about 5 percent krotovinas, 1 inch in diameter and 1.2 to 1.5 inches long, that are dark grayish brown when moist and have few soft lime splotches on the surface; moderately calcareous; moderately alkaline; clear, smooth boundary.
- IIC3—32 to 35 inches, light-gray (10YR 7/2) loamy sand, brown (10YR 5/3) when moist; massive; soft, very friable, nonsticky and nonplastic; few fine and medium roots; slightly calcareous; moderately alkaline; gradual, smooth boundary.
- IIIC4—35 to 60 inches, light-gray (10YR 7/2) gravelly sand, grayish brown (10YR 5/2) when moist; single grain; loose when dry and moist, nonsticky and nonplastic; slightly calcareous; moderately alkaline.

The A horizon is dominantly fine sandy loam, but in places it is sandy loam or gravelly sandy loam. The A horizon ranges in value from 5.5 to 7 when dry and from 3.5 to 5 when moist; chroma is 1.5 to 2.5, and hue is 10YR to 2.5Y. The A horizon

is commonly slightly calcareous, but where undisturbed the uppermost 8 to 14 inches is noncalcareous in places.

The C horizon ranges from light gray to light brownish gray when dry and from grayish brown to dark grayish brown when moist. The C horizon is fine sandy loam, sandy loam, or gravelly sandy loam, and it ranges from massive to weak, subangular blocky in structure. The C horizon is less than 15 percent calcium carbonate. A layer of loose sand or sand and gravel is at a depth of 20 to 40 inches.

This soil is well drained. It has moderately rapid permeability, 3.75 to 5 inches available water capacity, low to moderately low organic-matter content, and low to moderate fertility. Runoff is slow, and normally there is little or no erosion hazard.

Included in mapping are areas of a soil that has layers of coarse sandy loam or gravelly coarse sandy loam at a depth of 30 to 50 inches. This included soil has moderately rapid permeability and low available water capacity. Also included are small areas of sandy Feltham soils and deep Turbyfill soils. These included soils make up 10 to 15 percent of some mapped areas.

This Cencove soil is used for irrigated small grains, vegetables and vegetable seed, corn, hay, and improved pasture. (Capability unit IIIs-1, irrigated; windbreak suitability group 5)

Cencove fine sandy loam, 1 to 3 percent slopes (CcB).—Runoff is slow to medium on this soil, and erosion is a moderate hazard.

Included in mapping is a soil that has layers of coarse sandy loam or gravelly coarse sandy loam at a depth of 30 to 50 inches. Also included are small areas of sandy Feltham soils and deep Turbyfill soils. These included soils make up as much as 15 percent of some mapped areas.

This Cencove soil is used for irrigated small grains, vegetables and vegetable seed, corn, hay, and improved pasture. (Capability unit IIIe-7, irrigated; windbreak suitability group 5)

Cencove fine sandy loam, 3 to 7 percent slopes (CcC).—This soil occurs on alluvial fans and terraces. Runoff is medium to rapid, and erosion is very severe hazard.

Included in mapping is a soil that has layers of sandy loam or loamy sand extending to a depth of about 50 inches. Also included are small areas of deep Turbyfill soils and sandy Feltham soils. These included soils make up as much as 15 percent of some mapped areas.

This Cencove soil is used for irrigated small grains, corn, hay, and pasture. Apple and peach trees grow well where air drainage is good. (Capability unit IVe-2, irrigated; windbreak suitability group 5)

Cencove fine sandy loam, 7 to 12 percent slopes (CcD).—This soil is similar to Cencove fine sandy loam, 0 to 1 percent slopes, except that it occurs on fans and on the edges of terraces. Runoff is rapid, and erosion is a very severe hazard.

Included in mapping is a soil that has layers of sandy loam or loamy sand that extend to a depth of about 50 inches. Also included are small areas of very deep Turbyfill soils and sandy Feltham soils. These included soils make up as much as 15 percent of some mapped areas.

This soil is used mostly for irrigated small grains, hay, pasture, and corn. Apple and peach trees grow well where air drainage is good. The vegetation in uncultivated areas is mainly cheatgrass and big sagebrush. (Capability unit IVe-2, irrigated; windbreak suitability group 5)

SOIL CHARACTERISTICS initials: JP date: 12/05/96

Soil Type = CcA, CcB, CcC - fine sandy loam
Source of Soils Data = Soil Survey for Canyon County Area

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	35	0.12	0.14	7.9	8.4	0	1	1	1.56	2	0.55
35	60	0.02	0.04					2	3.12		
								3	4.58		
								4	4.94	alternate	
								5	5.30	method	
										2	0.55

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (inches)
alfalfa (hay or seed)	5	0.5	2.65
corn (field or silage)	4	0.5	2.47
grain (winter or spring)	4	0.5	2.47
pasture (or grass hay)	3	0.5	2.29
other (enter below)			
sugar beets	5	0.5	2.65

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SOIL CHARACTERISTICS initials: JP date: 12/05/96

Soil Type = BSA - silt loam
Source of Soils Data = Soil Survey for Canyon County Area

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	52	0.1	0.17	7.9	9.6	0	1	1	1.62	0.5	0.35
								2	3.24		
								3	4.86		
								4	6.48		
								5	7.02		
										alternate method	
										1	0.4

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (inches)
alfalfa (hay or seed)	5	0.5	3.51
corn (field or silage)	4	0.5	3.24
grain (winter or spring)	4	0.5	3.24
pasture (or grass hay)	3	0.5	2.43
other (enter below)			
sugar beets	5	0.5	3.51

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TABLE 5.—*Estimated engineering*

[Absence of data means no estimate was made because classification

Soil series and map symbols	Depth to—		Depth from surface	Classification		
	Bedrock or hardpan	Seasonal high water table		Dominant USDA texture	Unified	AASHO
Bahem: BaA, BaB, BaC, BaD, BaE, BaF.	Feet >5	Feet -----	Inches 0-60	Silt loam and very fine sandy loam.	ML	A-4
Baldock: BdA, BdB	>5	3-4	0-56 56-65	Loam Fine sandy loam	ML SM or ML	A-4 A-4
BhA	>5	1-2	0-56 56-65	Loam Fine sandy loam	ML SM or ML	A-4 A-4
Bram: BrA, BrB, BsA, BsB	>5	3-6	0-52	Silt loam, loam	ML	A-4
Catherine: Ca	>5	1½-4	0-23 23-42 42-61	Silt loam Silty clay loam Loam	ML CL ML	A-4 A-6 A-4
Cencove: CcA, CcB, CcC, CcD	>5	-----	0-35 35-60	Fine sandy loam, sandy loam, and loamy sand. Gravelly sand	SM SM or GM	A-2 or A-4 A-1
Chance: Ch	>5	0-1	0-23 23-60	Fine sandy loam and sandy loam. Gravel and sand	SM GP	A-4 A-1
Chilcote: Mapped only in association with Elijah, Lankbush, and Vickery soils.	1½-3½	-----	0-10 10-26 26-31 31-46	Silt loam Silty clay loam Loam Duripan	ML CH ML	A-4 A-7 A-4
Cruikshank: Cr, Cu	>5	1-2	0-60	Fine sandy loam	SM or ML	A-4
Draper: DrA, DrB	>5	2-3	0-55	Loam, silt loam, and sandy clay loam that contains some gravel.	ML	A-4
Durargidic Arents: DuB, DuC	1½-3½	-----	0-31 31-50	Loam Duripan	ML or CL	A-4
Elijah: EhA, EhB, E1A, E1B, E1C, EsA, EsB, EvC, EvD. (For Sebree soil in EsA and EsB, refer to Sebree series. For Vickery soil in EvC and EvD, refer to Vickery series.)	1-3½	-----	0-22 22-40	Silt loam and silty clay loam Duripan	CL	A-6
Falk: FaA	>5	3-4	0-33 33-60	Fine sandy loam Gravel and sand	SM GP, GW, SP or GM	A-4 A-1
Feltham: FeB, FeC, FeD, FeE, FuD. (For Quincy soil in FuD, refer to Quincy series.)	>5	-----	0-32 32-64	Loamy fine sand Very fine sandy loam, fine sandy loam, and loam.	SM ML	A-2 A-4
Garbutt: GaA, GaB, GaC, GaD, GdB, GdC.	>5	-----	0-60	Silt loam and fine gravelly loam.	ML	A-4
Grandview: Gn	>5	3-5	0-5 5-45 45-60	Loam Silty clay loam and clay loam Loam	ML CL ML	A-4 A-6 A-4

See footnotes at end of table.

MICROFILMED

MAR 3 2 1963

MEMORANDUM

September 16, 1996

TO: FILE A57-02055

FROM: KAY WALKER *KW*

RE: NOTICE OF ERROR

Mr. and Mrs. Mansisidor came into the office this morning in regard to the recommendation on this water right. They had submitted a notice of error on this right on July 27, 1992 because they disagreed with the number of acres and the amount of water recommended. They met with Don Shaff and it was determined that the number of acres were acceptable but still did not agree with the lower quantity of water recommended. They came in this morning to find out about the amount of water to be recommended.

I gave them copies of all of the documents on the correspondence side in their file and a copy of the original field examination (of 1920) and subsequent license issued.

I sent them over to the State Office to talk with Don Shaff about the amount of water recommended since he had assisted them with this same problem previously.

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OCT 24 1996

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAWDATE: AUG-23-1996
PAGE: A-1-----
RIGHTS FROM: SOURCE: JUMP CREEK TRIBUTARY: SNAKE RIVER

RIGHT NUMBER: 57-02055

NAME AND ADDRESS: MARY L MANSISIDOR
RAY MANSISIDOR
RT 1 BOX 1102
HOMEDALE ID 83628

SOURCE: JUMP CREEK TRIBUTARY: SNAKE RIVER

QUANTITY: 3.48 CFS

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 3.48 CFS.

PRIORITY DATE: 11/13/1913

POINT OF DIVERSION: T03N R05W S27 NWNWNE Within Owyhee County

PURPOSE AND

PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
IRRIGATION		<u>Irrigation Season</u>	3.48 CFS
		03/18 11/18	

PLACE OF USE:	IRRIGATION	Within Owyhee County			
	T03N R05W S15	SENE 35.0	NESE 38.0	NWSE 26.0	SWSE 38.0
		SESE 37.0			

174.0 ACRES TOTAL

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO THE
IRRIGATION OF A COMBINED TOTAL OF 174 ACRES IN A SINGLE
IRRIGATION SEASON.

CONSUMPTIVE USE:

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO A
TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 609 AF.

OTHER MATTERS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 3.48 CFS AND A TOTAL COMBINED
ANNUAL CONSUMPTIVE USE VOLUME OF 609 AF, AND TO IRRIGATION
OF A COMBINED TOTAL OF 174 ACRES IN A SINGLE IRRIGATION SEASON.

EXPLANATORY MATERIAL: BASIS OF CLAIM - LICENSE

MICROFILMED
OCT 24 1996

DATE: 08/23/96
PAGE: 1

DIVERSION RATE
DIVERSION VOLUME

03-15 11-15	3.48 CFS

TOTAL DIVERSION:	3.48 CFS

Stage: LICENSE

CHYHEE County

NE										NW										SW										SE									
NENE		NNNE		SWNE		SENE		NENW		NNNW		SWNW		SENW		NESW		NNSW		SWSW		SESW		NENE		NNSE		SWSE		SESE									
T	R	S	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC	Lt	AC									
03N	05W	15	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:								
										35										38										TOTAL ACRES									
																														174.0									
																														174.0									

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 3.48 CFS.

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 174 ACRES IN A SINGLE IRRIGATION SEASON.

USE OF THIS RIGHT WITH RIGHT NO. 57-10194 IS LIMITED TO A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 609 AF.

Objection Filed Date:

Field Inspection Form
Presumption flag:

Date: 07/14/1992 User-ID: WHITE Subject: DATA ENTRY
DELETED CONSUMPTIVE USE (AFY) AND ADDED TO REMARKS "AND TO IRR-
IGATION...174 ACRES IN A SINGLE IRRIGATION SEASON." PER LKH.

Date: 08/24/1992 User-ID: SCHULTZ Subject: 2ND NOTICE OF ERROR (NOE)

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OCT 24 1996

AJ0749NP
No. R57-02055

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 08/23/96
PAGE: 2

Comments: Date: 08/24/1992 User-ID: SCHULTZ Subject: 2ND NOTICE OF ERROR (NOE)
RECEIVED 2ND NOE 8/20/92. LEFT NOE FLAG AS A.

Date: 09/25/1992 User-ID: MCCARTHY Subject: NO CHANGE TO RECOMMENDATION
MR. MANSISIDOR AGREED TO THE ACREAGE FIGURES DURING A MEETING
WITH DON SHAFF ON 8-24-92. THE RECOMMENDATION IS UNCHANGED.

Audit: 08/23/96 RHOVERTO

MICROFILMED
OCT 24 1996

DIVERSION
VOLUME

DIVERSION:

Stage: LICENSE

NWNWNE

MS

Other Rights: 57-10194

Verified Date:

Field Inspection Flag:

Audit: 09/25/92 MCCARTHY

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OCT 07 1992

RECEIVED

AUG 20 1992

SNAKE RIVER BASIN ADJUDICATION
NOTICE OF ERROR

Department of Water Resources
Western Regional Office

WATER RIGHT NUMBER: 57-02055

NAME: Ray Mansisidor
Mary L. Mansisidor
Route 1, Box 1102
Homedale, Idaho 83628

O-3 - DISAGREEMENT:

Claimant disagrees with the disallowance of irrigated acreage within the boundaries of the farm, reducing the total acreage from 185 acres to 174 acres total.

Q-4 - PROPOSED CHANGES:

Claimant proposes the adjudication claim be recommended in accordance with the license issued by the Idaho Department of Water Resources for 185 acres of irrigated land with a total quantity of 3.70 cfs. Claimant would propose to meet with representatives of the Department to review this objection.

Q-5 - REASON FOR DISAGREEMENT:

Claimant believes that the acreage as described in the proposed recommendation is less than that that has historically been irrigated on this property. Claimant believes the original claim was filed in error and needs to be amended. There has been no intent of the applicant to forfeit or abandon any part of the water right as originally licensed.

DATE: August 20, 1992

SIGNED:

Ray Mansisidor
Ray Mansisidor

MICROFILMED

OCT 07 1992

8-24-92

Although Mr. Mansisidor states above he has a water right for 185 acres, he acknowledged in a visit today the 2.7 acres in the lone AC & 7.3 acres in the SW corner of the 160 along with a stack yard are not irrigated and would be excluded from his water right. However, he said today, he requires the 185 inches of water. I suggest an analysis of the irrigated acres disregarding ASCS figures would be done.

RECEIVED

AUG 20 1992

Department of Water Resources
Western Regional Office

SNAKE RIVER BASIN ADJUDICATION
NOTICE OF ERROR

WATER RIGHT NUMBER: 57-02055

NAME: Ray Mansisidor
Mary L. Mansisidor
Route 1, Box 1102
Homedale, Idaho 83628

O-3 - DISAGREEMENT:

Claimant disagrees with the disallowance of irrigated acreage within the boundaries of the farm, reducing the total acreage from 185 acres to 174 acres total.

Q-4 - PROPOSED CHANGES:

Claimant proposes the adjudication claim be recommended in accordance with the license issued by the Idaho Department of Water Resources for 185 acres of irrigated land with a total quantity of 3.70 cfs. Claimant would propose to meet with representatives of the Department to review this objection.

Q-5 - REASON FOR DISAGREEMENT:

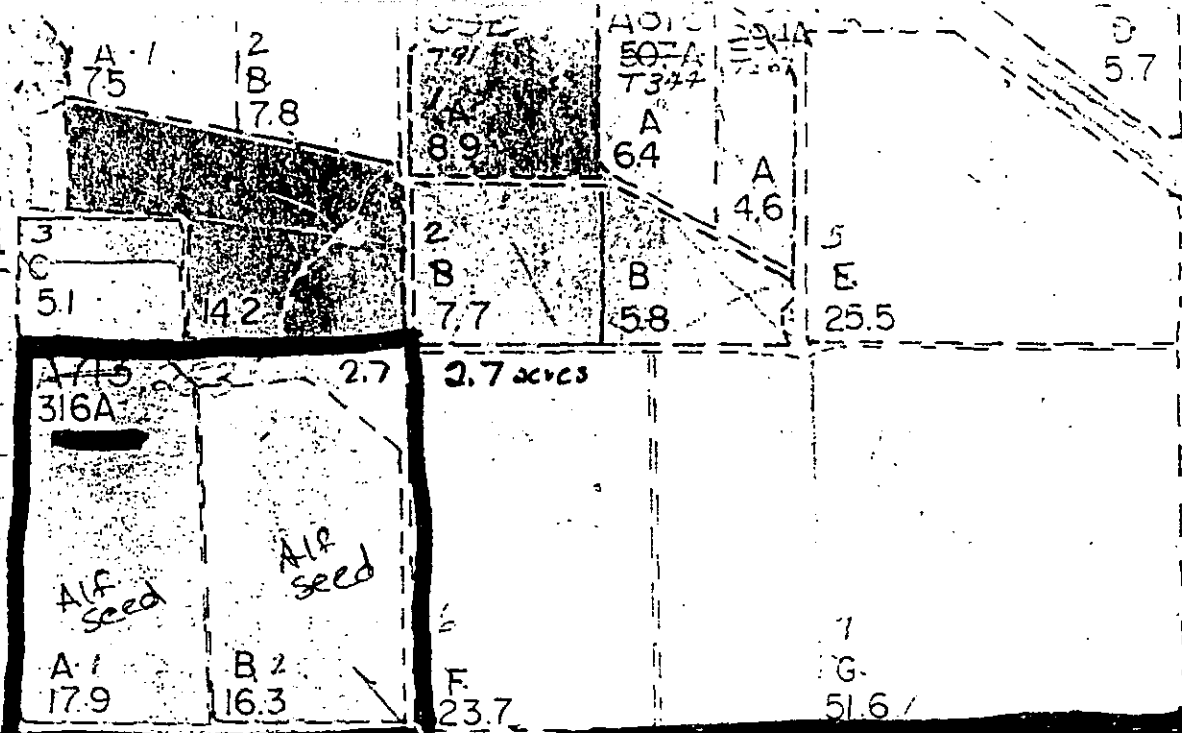
Claimant believes that the acreage as described in the proposed recommendation is less than that that has historically been irrigated on this property. Claimant believes the original claim was filed in error and needs to be amended. There has been no intent of the applicant to forfeit or abandon any part of the water right as originally licensed.

DATE: August 20, 1992

SIGNED: Ray Mansisidor
Ray Mansisidor

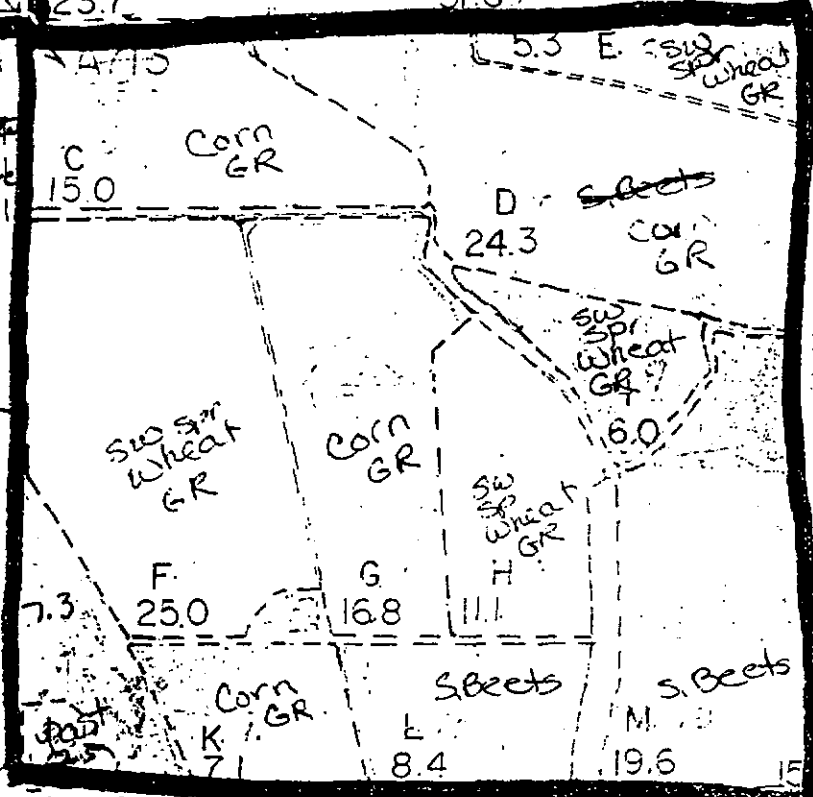
MICROFILMED

OCT 07 1992



40 acre tract @ 34.2

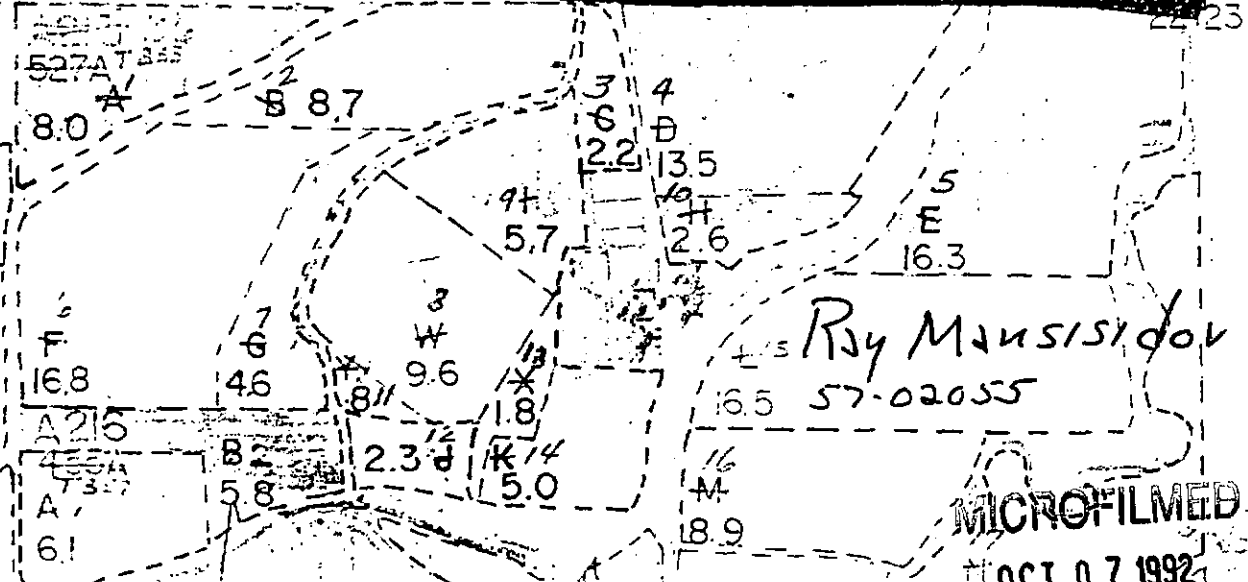
40 - 2.7 acres = 37.2 under water
Loss of 3.1 acres more



160 acre tract at 138.6

160
- 7.3
152.7 under water
138.6
14.1 more Loss

7.3
acres



Ry Mausisidov

57-02055

MICROFILMED

OCT 07 1992

LARRY BACHMAN
OWYHEE COUNTY ASSESSOR
OWYHEE COUNTY COURTHOUSE
MURPHY, ID 83650

IMPORTANT NOTICE — THIS IS NOT A BILL

PARCEL NO. RP 03N05W154200 A

FORWARD & ADDRESS CORRECTION

TAX CODE 3-00
LOTS / ACRES MARKET VALUE
177.000 AC 106,200
1.600 AC 432
7.200 AC 180
1.000 AC 7,500
13.200 AC

CATEGORY DESCRIPTION
1 IRRGTD AG
2 IRRGTD PASTURE
5 DRY GRAZING
10 RURAL HOMESITE
19 WASTE
31 RURAL RES BLDG
32 RURAL IMP ON AG
LESS HOMEOWNER EXEMPTION
200.000

1992
TAXPAYERS
VALUATION
ASSESSMENT NOTICE
Taxes are based on the valuation
listed on this statement
IF THERE ARE ANY QUESTIONS
REGARDING THIS STATEMENT
NOTIFY THE ASSESSOR'S OFFICE BEFORE
JUNE 19, 1992

See the reverse side for further references
KEEP THIS COPY FOR YOUR RECORDS

PROPERTY ADDRESS
PREVIOUS NUMBER 15 RP0032401
SE4, SENW 15 3N 5W

A Mail To:
MANSISIDOR, RAYMOND
RT 1 BOX 1102
HOMEDALE ID 83628

LARRY BACHMAN
OWYHEE COUNTY ASSESSOR
OWYHEE COUNTY COURTHOUSE
MURPHY, ID 83650

IMPORTANT NOTICE — THIS IS NOT A BILL

PARCEL NO. RP 03N05W187200 A

FORWARD & ADDRESS CORRECTION

TAX CODE 3-00
LOTS / ACRES MARKET VALUE
27.500 AC 16,500
4.500 AC 112
1.000 AC 7,500
7.000 AC

CATEGORY DESCRIPTION
1 IRRGTD AG
5 DRY GRAZING
10 RURAL HOMESITE
19 WASTE
31 RURAL RES BLDG
32 RURAL IMP ON AG

40.000

1992
TAXPAYERS
VALUATION
ASSESSMENT NOTICE
Taxes are based on the valuation
listed on this statement
IF THERE ARE ANY QUESTIONS
REGARDING THIS STATEMENT
NOTIFY THE ASSESSOR'S OFFICE BEFORE
JUNE 19, 1992

See the reverse side for further references
KEEP THIS COPY FOR YOUR RECORDS

PROPERTY ADDRESS
PREVIOUS NUMBER 18 RP0036700
NESE 18 3N 5W

A Mail To:
MANSISIDOR, RAMON
RT 1 BOX 1102
HOMEDALE ID 83628

MICROFILMED

OCT 07 1992

Raymond Mansisidor
Homedale, Idaho

Dear Taxpayer:

This is to notify you that on your 1967 Tax-
payers Statement no. 274, the value has been lowered
to read as follows:

	<u>ACRES</u>	<u>VALUE</u>
Irrigated	<u>161</u>	<u>7614</u>
Irrigated Grazing	<u>20</u>	<u>574</u>
<u> </u> Grazing	<u>5</u>	<u>5</u>
Res. Lots	<u> </u>	<u> </u>
Res. Buildings	<u> </u>	<u>909</u>
Bus. Lots	<u> </u>	<u> </u>
Bus. Buildings	<u> </u>	<u> </u>

Thank you,


Thomas W. Brunzell
Owyhee County Assessor
Murphy, Idaho

MICROFILMED

OCT 07 1992

JUL-20-1992

NOTICE OF ERROR FORM

Please type or print clearly, fill out completely, and return to:

Idaho Department of Water Resources

Statehouse Mail

Boise, Idaho 83720-9000

RECEIVED
JUL 27 1992

Department of Water Resources

The notice of error must be received at IDWR by the **deadline date** printed below with your proposed recommendation.

YOUR DEADLINE FOR FILING A NOTICE OF ERROR IS: AUG-20-1992

1. Water right number: 5702055

2. Name: Ray Mansisidov

Address: Rt #1 Box 1102
Homedale, Idaho 8362

Weekday Telephone Number: 208 337-4295

MICROFILMED
OCT 07 1992

TEAR AT PERFORATIONS AND COMPLETE FORM ON OTHER SIDE

(Instead of filling in items 3 and 4 below you may include a copy of your proposed recommendation with the changes marked on the copy.)

3. Describe the portion of proposed recommendation with which you disagree:

Number of acres and amount of water

4. Describe the changes you wish to have made in the proposed recommendation:

Change 174 acres to 185 acres at 3.7 Cu ft Sec

5. Describe why you disagree with the proposed recommendation:

It cuts the amounts of water to this farm

6. Date: *July 27, 1992*

SIGNATURE *Ray Mancisidor*

08:59:34
03/04/91

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

CLAIM NUMBER: A57-02055

PAGE: 1
GENERAL INFORMATION

LAST: MANSISIDOR
ADDRESS: RT. 1 BOX 1102
CITY: HONEDALE
PHONE NUMBER: 208-337-4295
OWNER CODE: C

FIRST: RAY
STATE: ID ZIP: 83628

LAST: MANSISIDOR
ADDRESS: RT. 1 BOX 1102
CITY: HONEDALE
PHONE NUMBER: 208-337-4295
OWNER CODE: C

FIRST: MARY L.
STATE: ID ZIP: 83628

FIELD
EXAMINER
RME

DATABASE
N

FIELD EXAM REQUIRED?
VERIFICATION REQUIRED DUE TO REMARKS?
NO REMARKS IN CLAIM

MICROFILMED
OCT 07 1992

CONTACT PERSON: Ray Manosick

PHONE NUMBER: () 537-4395

DATE OF FIELD EXAM: 11/8/90

TIME: 9:00 A(☒) P()

ACCOMPANIED BY: _____

PHONE NUMBER: () - -

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / REMARKS:

Mr. Manosick was available to show the system to
me and answer questions.

Mr. Mansuador
harvesting beets -
will return call (Am.)

FIELD EXAM
TELEPHONE CONVERSATION MEMORANDUM

NAME OF CONTACT Ray Mansuador
PHONE NUMBER 337-4295 ADJ. AGENT Ray 1/2
DATE SET FOR EXAM Thurs. 9:00 - Nov. 8
LOCATION/DIRECTIONS out of Homedale towards Massing
2 miles ~~to~~ east to
E. Market Rd. ^{then} 1/2 mile E. to
first house on top of hill
Diverting at full rates? NO
Type of measuring devices? _____
Places to make measurements? _____
Type of System? (pipelines, ditches) _____

How many laterals are used? _____
Length and size of mainline? _____
Size of motor used for each P/D? _____
Estimate of depth to water? _____
Pressure at well? _____
Pressure at sprinkler heads? _____
COMMENTS _____

MICROFILMED

OCT. 07 1992

A. AJ CLAIM: # A57-02055 PRIORITY DATE: 11-13-1913 STAGE: L

B. WR RECORD: # 57-02055 PRIORITY DATE: 11-13-1913 STAGE: L

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE

N

FIELD

EXAMINER

EME

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

REMARKS:

Priority claimed as licensed

RECOMMENDED PRIORITY DATE:

11-13-1913

REVIEWED BY

R. ME

DATE

3/14/91

MICROFILMED

OCT 07 1992

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A57-02055	03N	05W	27	NW	NW	NE		OWYHEE

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX
NONE

WR RECORDS IN SAME 40 ACRE TRACT

NONE

SOURCE: JUMP CREEK

TRIB: SNAKE RIVER

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
57-02055	03N	05W	34	NE	NW	NW		OWYHEE
57-02055	03N	05W	27	NW	NW	NE		OWYHEE

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX
R PREFIX

NONE

NONE

SOURCE: JUMP CREEK

TRIB: SNAKE RIVER

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY? (Y/N)	DUE TO SOURCE DISCREPANCY? (Y/N)	DATABASE	FIELD EXAMINER
		Y	<i>[Signature]</i>
		N	<i>[Signature]</i>

REMARKS:

Mr. Mansueto was only the POD in sec. 27.

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OCT 07 1992

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP. RGE. SEC.

1/4

1/4

1/4

LOT

COUNTY

03N 05W 27NWNWNE---Owyhee

SOURCE: JUMP CREEK

TRIB: SNAKE RIVER

REVIEWED BY:

RTM

DATE:

3/18/91

MICROFILMED

OCT 07 1992

A. ROOT WATER RIGHT NUMBERS: A57-02055
A57-10839

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
03N	05W	15	SE	NW		MANSISIDOR, RAY	A57-02055 /35.0	57-02055 /20.0	35.0	35.0	35.0
			SE	NW		SCHENCK, W. H.	57-02072 /30.0				
			SE	NW		GEM IRRIGATION DIST., THE	A02-00064 /				
			SE	NW		GEM IRRIGATION DIST., THE	A02-00065 /				
03N	05W	15	NE	SE		MANSISIDOR, RAY	A57-02055 /38.0	57-02055 /10.0	37.0	38.0	38.0
			NE	SE		SCHENCK, W. H.	57-02072 /20.0				
			NE	SE		GEM IRRIGATION DIST., THE	A02-00064 /				
			NE	SE		GEM IRRIGATION DIST., THE	A02-00065 /				
03N	05W	15	NW	SE		MANSISIDOR, RAY	A57-02055 /38.0	57-02055 /30.0	26.0	26.0	26.0
			NW	SE		GEM IRRIGATION DIST., THE	A02-00064 /				
			NW	SE		GEM IRRIGATION DIST., THE	A02-00065 /				
03N	05W	15	SW	SE		MANSISIDOR, RAY	A57-02055 /32.0	57-02055 /30.0	38.0	38.0	38.0
			SW	SE		MANSISIDOR, RAY	A57-10196 /				
			SW	SE		GEM IRRIGATION DISTRICT	A02-00064 / 2.0				
			SW	SE		GEM IRRIGATION DISTRICT	A02-00065 / 2.0				
			SW	SE		MANSISIDOR, RAY	R57-10196 /				
			SW	SE		GEM IRRIGATION DIST., THE	A02-00064 /				
			SW	SE		GEM IRRIGATION DIST., THE	A02-00065 /				
03N	05W	15	SE	SE		MANSISIDOR, RAY	A57-02055 /37.0	57-02055 /30.0	41.0	37.0	37.0
			SE	SE		GEM IRRIGATION DIST., THE	A02-00064 /				
			SE	SE		GEM IRRIGATION DIST., THE	A02-00065 /				
TOTAL ACRES							180.00	120.00	177.00	174.0	174.0

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

IF YES SEE ATTACHED SHEET:

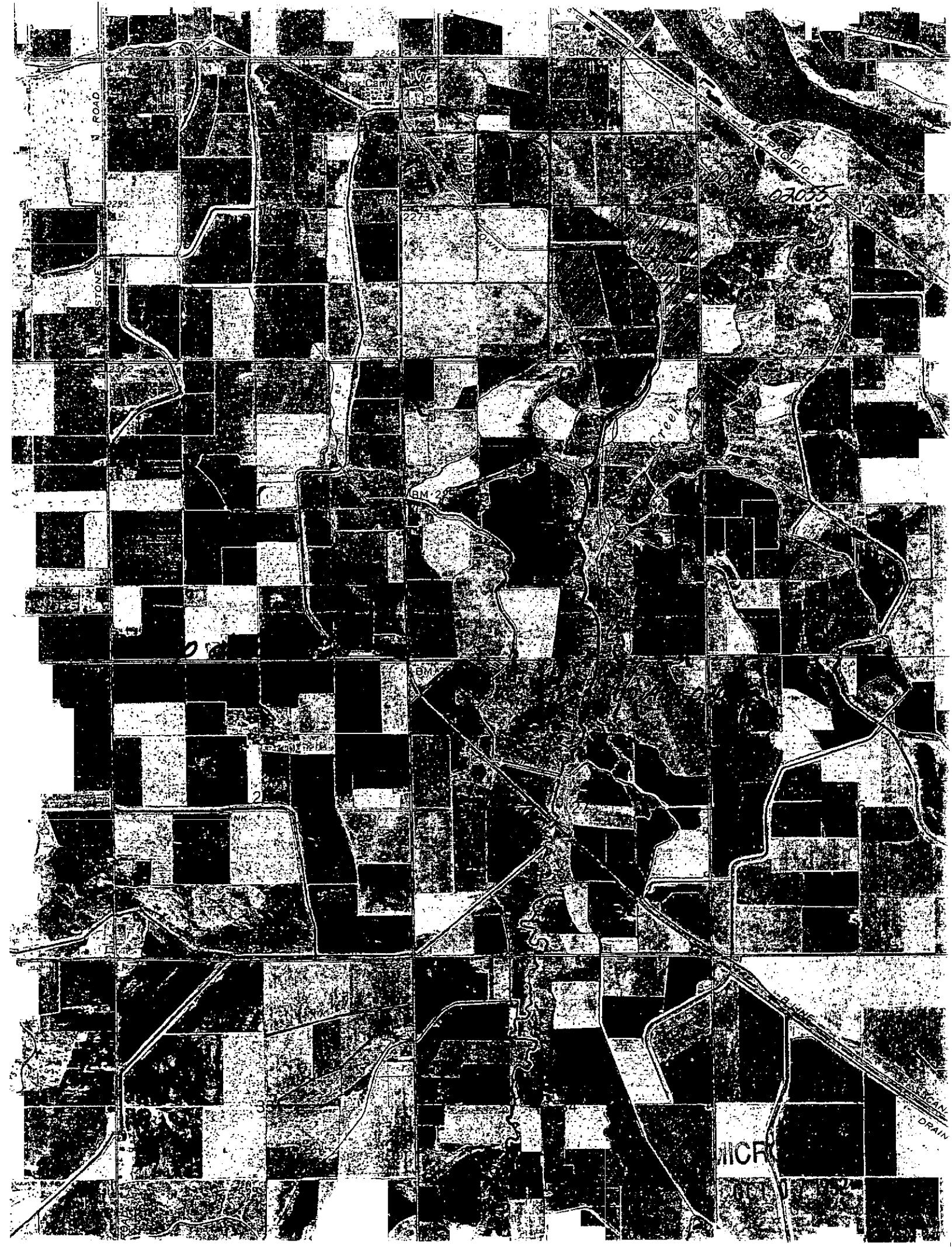
C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

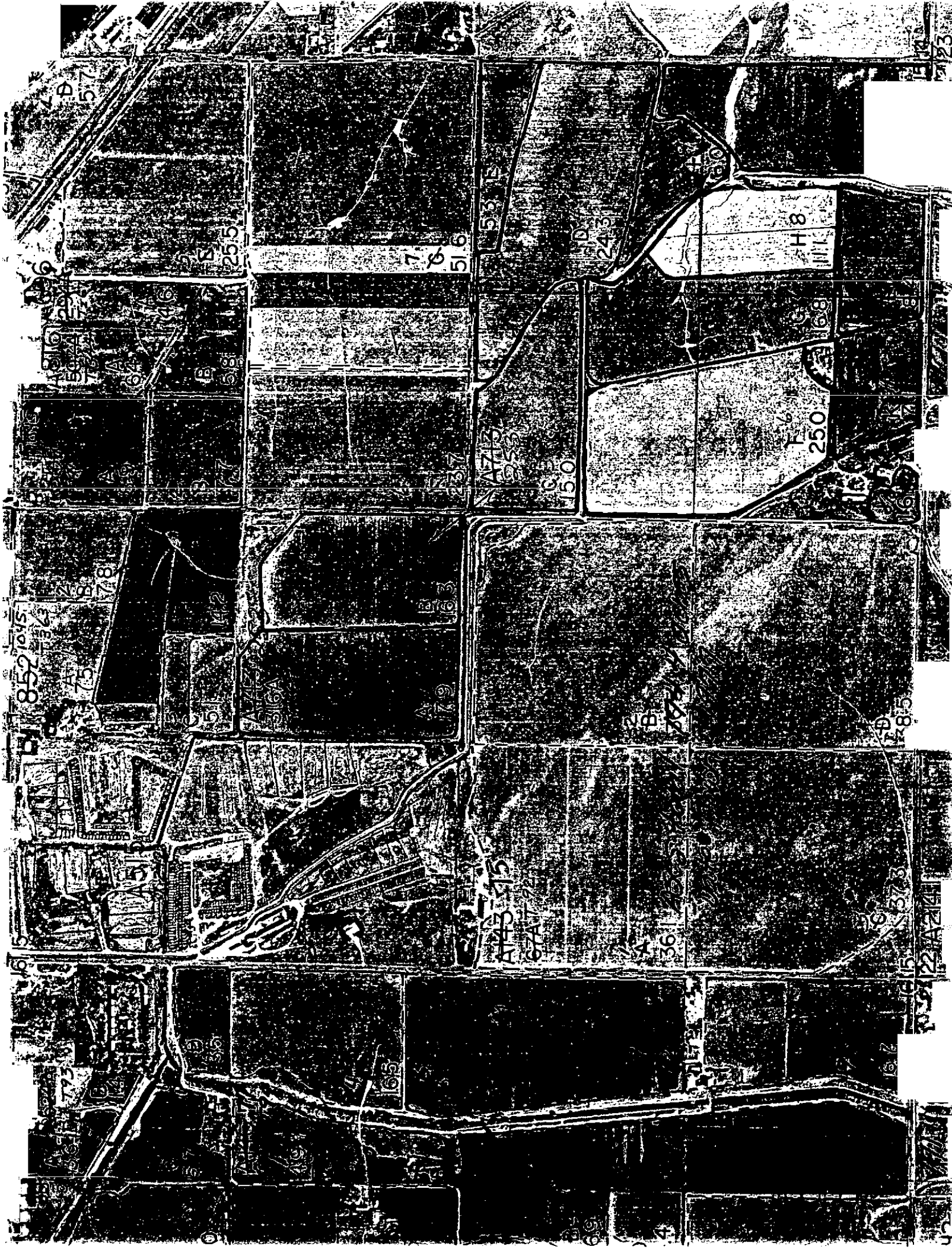
FIELD DATABASE FIELD
EXAMINER Y EXAMINER

MICROFILMED

OCT 07 1992







PRESUMPTION FLAG:

REMARKS:

- Poll transferred since licensing; no longer irrigating
acres not claimed
- Irrigated acres found on field exam matches NAPP
and ACS records

RECOMMENDATIONS:

TOTAL ACRES:

174.0

REVIEWED BY:

RME

DATE:

11/8/90

MICROFILMED
OCT 07 1992

A. AJ CLAIMED USES:

PURPOSES	FROM	MONTH/DAY	TO	DIVERSION QUANTITY
A57-02055 IRRIGATION	03-15	11-15		3.700 CFS
A57-02055 STOCKWATER	01-01	12-31		.050 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED				3.700 CFS

B. WR RECORDED USES:

PURPOSES	FROM	MONTH/DAY	TO	DIVERSION QUANTITY
57-02055 IRRIGATION				3.700 CFS
57-02055 DOMESTIC				3.700 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED				3.700 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

Y(☒) N(☐)

RECOMMEND TO WR STANDARDS OR OTHER?

Y(☒) N(☐) Explain in remarks, below.

REMARKS:

stockwater incidental; remove from claim

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS? Y(☒) N(☐)

AJ TOTAL CLAIMED DIVERSION RATE: 3.700 CFS
 WR ROOT RIGHT TOTAL DIVERSION RATE: 3.700 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?

FIELD

DATABASE EXAMINER

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

N

B.

FLOW MEASUREMENT

MEASUREMENT METHOD

N/A

, SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: NONE

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM	SOURCE	NAME	DIV. RATE	RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A57-02055	JUMP CREEK	MANSISIDOR, RAY	3.700	0.020		
A01-00064	SNAKE RIVER	GEM IRRIGATION DISTRICT	306.000	0.013		

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A57-02055	STOCKWATER	MANSISIDOR, RAY	FROM 01-01 TO 12-31	.050 CFS	
A57-10196	DOMESTIC	MANSISIDOR, RAY	FROM 01-01 TO 12-31	.040 CFS	
R57-10196	DOMESTIC	MANSISIDOR, RAY	FROM 01-01 TO 12-31	.040 CFS	

MICROFILMED

OCT 07 1992

D.

1a. IRRIGATION RATE
ACRES 174.0 x 0.02 CFS/ACRE = 3.48 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 = 630.0 AF/A

ACRES 174.0 x CONSUMPTIVE VOL. AF/A FOR AREA 3.5 =

TOTAL CONSUMPTIVE USE 609.0 AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = N/A AF/A

ACRES _____ x DIVERSION VOL. AF/A FOR AREA _____ =

TOTAL DIVERSION VOLUME _____ AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y(☐) N(☐)

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

57-02055 licensed for 1"/acre

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RECOMMENDATIONS:

REC.
PURPOSESREC. PERIOD
FROM TOREC. DIV
RATE CFSREC. DIV
VOL. AF/AREC. CONS.
USE

DATABASE EXAMINER

DATABASE EXAMINER

DATABASE EXAMINER

DATABASE EXAMINER

3/15 11/153.48609.0609.0

TOTAL FOR THIS RIGHT

3.48609.0REVIEWED BY: AMEDATE: 6/26/91

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A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP	ACCEPTED	NEEDS
FORFEIT/ABANDON	AS CLAIMED	REVIEW
ADDITIONAL DIV. AMOUNT	()	()
	()	()
	()	()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 57-02055

TOTAL DIVERSION RATE OF WR SPLITS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A57-02055	3.700	-	-	57-02055	3.700
A57-01003	A57-10839	0.720	-	-	-	-
A57-02067B	A57-10839	0.720	-	-	-	-

TOTAL CFS 5.140

3.700

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
N

FIELD
EXAMINER
A/
S

REMARKS:

no splits

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AUTHENTICATION:

SIGNATURE:

William McElroy

NAME OF FIELD EXAMINER:

DATE:

6/26/91

TITLE:

Water Resource Agent

ADJUDICATION CLAIM CHECKLIST

NOTICE OF CLAIM NO. 457-02053

WR ELEMENT	FIELD EXAM Y/N-IF NO, DO OFFICE VERIFICATION	FIELD EXAM OR IN-OFFICE VERIFICATION WHOM/DATE	CLAIM VERIFIED BY CODE (SEE BELOW)	CHANGE CLAIM Y/N	CLAIMANT CONTACT NEEDED - Y/N**	REVIEW COMPLETED WHOM/DATE	"R" RECORD
PRIORITY*	N	RNF 6/26/91	6*	N	N	RNF 6/26/91	
PT. OF DIV.	N		↓	N			
SOURCE	N		↓	N			
PL. OF USE	Y	↓	54	Y			
DIV. AMOUNT CFS/AF	N	RNF 11/15/90	6*	Y			
CONSUMPTIVE USE	N	RNF 6/26/91		Y			
NATURE OF USE	N			Y			
PERIOD OF USE	N			N			
BASIS OF CLAIM	N			N			
REMARKS	N	↓	↓	N	✓		

VERIFICATION CODES

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

*IF REQUIRED HAS EVIDENCE OF PRIORITY BEEN
SUBMITTED - YES NO

**IF CLAIMANT CONTACT IS NEEDED, COMPLETE
CLAIMANT CONTACT CHECKLIST AND ATTACH.

COMMENTS: * I own records & standards

OCT 07 1992

NOT FILMED

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: A57-02055
Date Received: 12/06/1988
Receipt No: C004686
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: RAY MANSISIDOR 208-337-4295
Address: RT. 1 BOX 1102
HOMEDALE, ID 83628

AND/OR

Name: MARY L. MANSISIDOR 208-337-4295
Address: RT. 1 BOX 1102
HOMEDALE, ID 83628

2. Date of Priority: NOV 13, 1913

3. Source: JUMP CREEK Trib. to: SNAKE RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
03N	05W	27	NW	NW	NE		OWYHEE

5. Description of diverting works:
DIVERSION DAM AND DITCHES

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	03/15	11/15	3.700		
STOCKWATER	01/01	12/31	0.050		

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

8. Total consumptive use is 630.0 Acre Feet Per Annum.

9. Non-irrigation uses:
S/200

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
03N	05W	15	SE	NW		IRR	35.0
			NE	SE		IRR	38.0
			NW	SE		IRR	38.0
			SW	SE		IRR	32.0
			SE	SE		IRR	37.0
						Section Acres	180.0
						Total Acres	180.0

11. Place of use in counties: OWYHEE

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: LICENSE

Decree Plaintiff

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: _____

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 _____

10/27/1988

SRBA CLAIMS RECEIVING CHECKLIST

CLAIMANT'S NAME Mansidor CLAIM IDENT. NO. A57-02055DATE RECEIVED 12-06-88 CK # 6668 AMOUNT \$ 355 YES NO1. Is the name and address complete with zip code? ☒ YES ☐ NO2. Is a priority date entered? ☒ YES ☐ NO

Is the water use exempt from the Permit requirements, or if it is not exempt, has a Permit been approved or a License issued?

A Permit is required: (1) for groundwater developed after March 25, 1963 (except single family domestic and stockwater wells using less than 13,000 gpd), or (2) for surface water developed after May 20, 1971 (except for instream stockwater). USE CARE IF CLAIM IS RETURNED. REFER TO ADJUDICATION MEMOS # 1 (ADJ. CLAIMS/APPLICATIONS) AND # 9 (REJECTION OF CLAIMS). EXPLAIN IN COMMENTS.

3. (a) Is a source entered? ☒ YES ☐ NO(b) Is a tributary to entered? (if required) ☒ YES ☐ NO N/A4. Is the legal description of the p.d. sufficient? ☒ YES ☐ NO5. Is there a description of the diverting works? ☒ YES ☐ NO6. Are the water uses appropriate for the form? The short form is limited to domestic and stockwater uses with direct diversion. All claims that include storage or instream stockwater must use long form. ☒ YES ☐ NOIs the period of use included? ☒ YES ☐ NOIs a quantity claimed for each use? ☒ YES ☐ NO7. Is a total quantity claimed entered? ☒ YES ☐ NO8. If required is a consumptive use entered? ☒ YES ☐ NO N/AIs the consumptive use correct? ☒ YES ☐ NO N/A9. Are the non-irrigation uses listed properly? If this claim is on the short form, and more than one domestic use is listed, single ownership must be stated. If not under single ownership, see Adjudication Memo # 4. ☒ YES ☐ NO N/A10. Is (are) the place(s) of use and purpose(s) indicated? ☒ YES ☐ NO 180 acres11. Is (are) the county(ies) entered? ☒ YES ☐ NO12. Is the ownership of p.u. checked? ☒ YES ☐ NO13. Are other water rights listed or "none" indicated? ☒ YES ☐ NO14. If required, are remarks correct? (If the claimant does not own the place of use, authority for filing the claim must be explained in the remarks.) ☒ YES ☐ NO N/A15. Is the basis of the claim indicated? ☒ YES ☐ NO16. Is the claim signed by the claimant, and is the signature appropriate? (If an individual is the claimant, has that individual signed the claim, or if an organization is the claimant, is the organization signature block complete?) ☒ YES ☐ NOHas the claim been signed, sealed, and dated by a notary? ☒ YES ☐ NOWas this claim filed on time, or was an extension granted? ☒ YES ☐ NOIs the fee enclosed correct? ☒ YES ☐ NO \$230 ExemptIf this claim is based on an existing water right, has the identification number been entered? ☒ YES ☐ NO N/AShould this claim be receipted and data entered? ☒ YES ☐ NOClaim checked by: [Signature]

Comments: _____

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OCT 07 1992

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: 39356

Ident. Number 57-02055

Date Received _____

Receipt Number 0004686

RECEIVED

DEC 06 1988

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

Department of Water Resources

Please type or print clearly

1. Name of Claimant (s) Ray & Mary L. Mansisidos Phone (208) 337-4295

Mailing Address RT 1 Box 1102 Homedale, Idaho Zip 83628

2. Date of Priority (Only one (1) per claim) 11/13/1983

3. Source of water supply (a) Jump Creek
which is tributary to (b) Snake River

4. a. Location of existing point of diversion is: Township 3N Range 5W Section 27,
NW 1/4 of NW 1/4 of NE 1/4, Govt. Lot, _____ B.M., County of OWYhee

Additional points of diversion if any: _____

b. If instream flow, beginning point of claimed instream flow is:

Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,

Govt. Lot _____ B.M., County of _____

ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of

_____ 1/4, Govt. Lot _____ B.M., County of _____

5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well.

Diversion dam and
conveying ditch to place of use.

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Copies: White State, Yellow Claimant
OCT 07 1992

HOW YOU WILL RECEIVE NOTICES IN THE SNAKE RIVER BASIN ADJUDICATION

All documents filed in the Snake River Basin Adjudication other than notices of claims are filed with the court. Notices of claims to water rights filed in the Snake River Basin Adjudication are filed with the Idaho Department of Water Resources. Copies of all documents filed in the Snake River Basin Adjudication will not be mailed to all parties (claimants) in the adjudication.

By order of the court, any document filed with the court will be mailed only to those parties who may be directly affected by it. A monthly docket sheet will be prepared by the department which contains a summary of all documents filed with the court in the previous month and the dates and locations of hearings scheduled for the following three months. The docket sheet will be filed with the district court clerk in each county within the Snake River Basin in Idaho. Copies of the docket sheet may be obtained from any of the offices of the department either in person or by mail; a small fee will be charged to cover the cost of mailing and/or copying. If you wish to receive a copy of the docket sheet each month, you should mark the appropriate place on your notice of claim form. You will be charged a small annual subscription fee to cover the cost of copying and mailing. Copies of any document listed on the docket sheet may be obtained from any of the offices of the department either in person or by mail; a small fee will be charged to cover the cost of mailing and/or copying.

Copies of all notices of claims filed with the department will be available for inspection from all offices of the department. Copies of the notices of claims may be obtained in person or by mail, but you will be charged for the cost of copying and mailing. (A claimant will not be charged for a copy of his or her own notice of claim, and a person who acquires property with water rights for which a notice of claim was filed will not be charged for a copy of the notice of claim filed by the previous owner.)

After the notices of claims have been reviewed, the director will prepare and file a report with the court. Part 1 of the report will contain the director's recommendations as to each water right claimed under state law. Part 2 of the report will list each federal reserved water right claimed. A number of reports will be prepared, one or more for each sub-basin in the Snake River Basin. When the report for your sub-basin is filed with the court, you will be mailed a notice informing you that the report for your sub-basin has been filed. The notice will be sent to the most recent address shown by the department's files. Attached to the notice will be a copy of those portions of the report describing the water rights you have claimed. If you do not agree with the way your water right is described, you may file an objection to the report with the court. You can also file an objection if you disagree with the way other claimant's water rights are described, and the notice will tell you where a copy of the full report is available for inspection. The notice will tell you when and where to file your objection. The notice of filing for each sub-basin report will also be published state-wide in local newspapers.

6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For irrigation purposes from 3/15 to 11/15 amount 3.7 or _____

For stockwater purposes from 1/1 to 12/31 amount .05 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) 3.7 (cfs) and/or (b) _____ (acre feet)

8. Total consumptive use claimed is 630.0 acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) 200-range

10. Description of place of use:

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

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

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
3N	5W	15								35					38	38	32	37	180

Total number of acres irrigated 180

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

12. Do you own the property listed above as place of use? Yes ✓ No _____

If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above.

Beneficial use at on SENW or None ()

14. Remarks:

Last Name Mansider Ident No. _____

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Copies: White - State, Yellow - Claimant

OCT 07 1992

It is very important that you inform the department in writing of any change in your address. This is to make sure that you receive the notices affecting your water rights that are to be mailed by the department.

If you are acquiring property with water rights in the Snake River Basin water system in Idaho (either by purchase, gift, inheritance, or other means), it is very important that you inquire of the department whether a notice of claim has been filed. If not, you must file a notice of claim or the water right may be declared by the court to no longer exist. If a notice of claim has been filed, it is very important that you file a written notice of change in ownership with the department. The notice of change in ownership must be accompanied by some evidence of the change in ownership, such as a copy of the deed or a property tax statement showing the name of the new owner. Again, this is to make sure that you receive the notices affecting your water rights that are to be mailed by the department.

The cost of the subscription to the docket sheet is \$7.50 for calendar year 1988. The cost of the subscription may increase a small amount for calendar year 1989 if the cost of copying and/or mailing should increase.

If you are planning to file a motion or other pleading (not a notice of claim) with the court (not IDWR), the court has issued an order setting a special procedure that is different from the usual civil rules. A copy of the order may be obtained from any office of IDWR; you may be charged for the cost of mailing and/or copying.

Scale: 2 inches equals 1 mile

[illegible]

OCT 07 1992

15. Basis of Claim (check one) Beneficial Use _____ Posted Notice _____ License ☒ Permit _____

Decree _____

If applicable provide IDWR Water Right Number 57-02055

Court _____ Case Number _____ Decree Date _____

Plaintiff vs Defendant _____

16. Signature (s)

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

Number of attachments _____

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

✓ Signature of Claimant (s) Ray Mansisidor Date 12/5/88
Date _____

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

Title

of _____, that I have signed the foregoing
Organization

document in the space below as _____ of _____
Title Organization

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

Signature of Authorized Agent _____

Title and Organization _____ Date _____

State of Idaho/or Idaho)
County of Canyon) SS.

Subscribed and sworn (or affirmed) before me this 5 day of December 19 88

Notary Public John A. Goyer

Residing at 15470 Homedale Rd
Caldwell, Idaho

My Commission Expires Sept 21, 1994

Please Print Name

17. Notice of Appearance:

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

Signature _____

Address _____

Date _____

Last Name Mansisidor Ident. Number 57-02055

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Copies White Side, Yellow (Claimant)

OCT 07 1992