

318⁰⁰

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

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

CIVIL CASE NUMBER: 39576

Ident. Number: A72-10120
Date Received: 11-30-89
Receipt No: M005279
Received By: AP

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: GARTH T. CHIVERS 208-879-4407
Address: HC 63 BOX 1771
CHALLIS, ID 83226
AND/OR
Name: GLENIS M. CHIVERS 208-879-4407
Address: HC 63 BOX 1771
CHALLIS, ID 83226
2. Date of Priority: JUN 01, 1890
3. Source: SALMON RIVER Trib. to: SNAKE RIVER
4. Point of Diversion:
Township Range Section 1/4 of 1/4 of 1/4 Lot County
13N 19E 16 NW SW SE 5 CUSTER
5. Description of diverting works:
UPPER MCGOWEN DITCH; DAM-SPILLWAY-HEADGATES-OPEN DITCHES-FLOOD IR
6. Water is used for the following purposes:
Purpose From To C.F.S. (or) A.F.A.
IRRIGATION 04/01 11/01 9.600
7. Total Quantity Appropriated is:
9.600 C.F.S. (and/or) A.F.A.
8. Total consumptive use is 645.0 Acre Feet Per Annum.
9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
13N	19E	1	NW	NW	4	IRR	40.0
Section Acres							40.0
		2	NE	NE	1	IRR	40.0
			NW	NE	2	IRR	30.0
Section Acres							70.0
14N	19E	35	SW	SE		IRR	25.0
			SE	SE		IRR	25.0
Section Acres							50.0
		36	NE	SW		IRR	23.0
			NW	SW		IRR	30.0
			SW	SW		IRR	40.0
			SE	SW		IRR	15.0
Section Acres							108.0
Total Acres							268.0

11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:

A72-04222A; A72-00185A *Ac. gr*

14. Remarks:

THIS CLAIM COMBINES DECREED RIGHTS 72-00239 AND 72-00240 AND REPRESENTS A 24% SHARE OF THE UPPER MCGOWEN IRRIGATION DITCH. CLAIM 72-04178 ALSO DESCRIBES THIS RIGHT. SEE THE ATTACHED COPY OF THE DECREE FOR SPECIFICS.

THE DECREE GAVE A TOTAL DIVERSION RATE FOR THE DITCH AS 40.0 CFS. 24% IS THEREFORE 9.6 CFS.

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date:

CHIVERS ET AL

Decree Plaintiff

vs

JOHNSON ET AL

Decree Defendant

A72-10120

Page

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Date: 11/28/89

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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: 5

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): Glenn M. Schivers Date: 11-30-89

Date: _____

State of Idaho)
County of Custer) ss.

Subscribed and sworn (or affirmed) before me this 30th day
of November 1989

Anna Baunhoff
Notary Public

Seal

Residing at Anna Baunhoff, Notary Public
Residing at Boise, Idaho
My Commission Expires: December 7, 1994

1555
 Filed 4-23-51

Preston Thatcher
 District Judge

John Boyd
 Clerk

By Howard Boyer
 Deputy

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IN THE DISTRICT COURT OF THE SIXTH JUDICIAL DISTRICT OF THE
 STATE OF IDAHO, IN AND FOR THE COUNTY OF CUSTER.

John Chivers, Thomas Chivers And
 Garth Chivers, doing business as
 partners under the firm name and
 style of CHIVERS BROTHERS; M. H.
 SHULL, a bachelor; FRANK SHULL
 and FLORENCE ANABELLE SHULL, husband
 and wife; and PAUL RIGGS and HELEN
 RIGGS, husband and wife, and GENE
 RIGGS, a bachelor,

Plaintiffs,

-vs-

C. N. JOHNSON and FRIEDA JOHNSON, HUSBAND
 AND WIFE; and FRANK BURSTEDT and ENID
 BURSTEDT, husband and wife,

Defendants.

JUDGMENT

This cause came on regularly for hearing on the 12th day of April, 1951, before the Honorable Preston Thatcher, District Judge, C. Walker Lyon and Jack B. Furey appearing as attorneys for the plaintiffs, and the defendants having heretofore appeared by stipulation and in person but without counsel, and it appearing to the court that all the plaintiffs interested in the determination of this action have appeared by counsel and all the defendants have appeared in person but without counsel, and it appearing to the court all the parties interested in the determination of this action and the attorneys of record have heretofore made and filed their stipulation and agreed therein that judgment may be entered upon application of any party, without notice to the other parties in accordance with the terms and conditions of said stipulation, and having therein waived the findings of fact and conclusions of law, and application this day having been made by the plaintiffs by and through their counsel of record that judgment be entered in accordance with the terms of the said stipulation heretofore filed and made a matter of record in this action, and said stipulation on file and a matter of record in this action appearing to be fair and equitable and the matter having been finally submitted to the court for its decision;

IT IS HEREBY ORDERED, ADJUDGED AND DECREED:

1. That the respective parties to this action are the owners in common of, and entitled to flow water through, that certain ditch and canal known as the "Upper McGowan Ditch", to, over, along and upon the lands of all parties herein, both plaintiffs and defendants, said Upper McGowan Ditch being approximately six miles in length, and having been constructed in and continuously used since, the year 1890, which said ditch and canal flows waters from the Salmon River in Custer County, State of Idaho, and which has its origin and point of diversion from said Salmon River at a point on the East side of said Salmon River approximately three hundred feet below that old bridge which spanned the Salmon River and was commonly known as the Calvin Bridge; and that said Upper McGowan Ditch extends in a general Northeasterly direction from said point of origin to, through, along, over, across and upon and past the lands hereinafter described, of all parties hereto, and said Upper McGowan Ditch of which all parties hereto are owners in common has a carrying capacity as of the date hereof of two thousand (2,000) miner's inches or 40 cubic feet per second of

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ed use of said Upper McGowan Ditch and to the waters flowing therein for their respective lands mentioned and described in the stipulation on file and a matter of record herein as hereinafter described and appurtenant to said lands and to flow water through said Upper McGowan Ditch for use of their respective lands in the following amounts and subject to the following ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~ terms and conditions.

That John Chivers, Thomas Chivers and Garth Chivers, doing business under the firm name and style of Chivers Brothers, are the owners of and entitled to the possession of the following described lands situated in the County of Custer, State of Idaho, to-wit:

All that part of the Southwest Quarter of Section 36, Township 14 North, Range 19, East of the Boise Meridian, described as follows:

Beginning at a point 24 rods South of the center of Section 36, run South 136 rods to the Quarter Corner on the South side of Section 36, Township 14 North, Range 19, East of the Boise Meridian, thence West along the Township Line 160 rods to the section Corner on the Township line common to Section 35 and 36, thence North along the Section line between Section 35 and 36, 56 rods; thence in a Northeasterly direction to a point 24 rods South and 20 rods East of the Quarter Corner common to Section 35 and Section 36; thence East 140 rods to the place of beginning.

And appurtenant to said lands the plaintiff, Chivers Brothers, a partnership, shall be entitled to not to exceed an undivided eleven per cent (11%) interest in the Upper McGowan Ditch and the waters flowing therein from the point where said ditch diverts water from the Salmon River in Custer County, State of Idaho, to the last division box or turnout used by the said plaintiff in accordance with the terms and provisions of this judgment, and Chivers Brothers, plaintiff herein, shall be entitled to not to exceed an undivided eleven (11%) per cent of the waters flowing in said ditch from its point of origin, except as otherwise appears hereafter in accordance with the "enlargement of ditch" provision.

That division boxes for measuring the amount of water to which Chivers Brothers, plaintiff herein, is entitled according to its interest in said Upper McGowan Ditch and the waters flowing therein, shall be placed in said Upper McGowan Ditch prior to April 20, 1951, and shall number not more than two (2), and said plaintiff shall not divert its portion of water in said Upper McGowan Ditch therefrom at any point in said ditch except where taken through the division boxes as herein required and provided for.

That the plaintiff, Chivers Brothers, a partnership, shall bear its proportionate share of the expense of maintaining, operating and repairing said Upper McGowan Ditch according to its interest therein as herein set forth, and shall maintain that portion of the Upper McGowan Ditch according to Chivers Brothers' percentage of flow of water taken through said Upper McGowan Ditch or portions thereof as compared to the respective flows of water taken through the same ditch or portions thereof by the remaining owners and users in said Upper McGowan Ditch.

The plaintiff, Merritt H. Snell, is the owner of and entitled to the possession of the following described lands situated in the County of Custer, State of Idaho, to-wit:

Lot 1, Lot 2, Lot 5, E $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 35; NW $\frac{1}{4}$, Section 36; that part and portion of the N $\frac{1}{2}$ SW $\frac{1}{4}$, Section 36, and N $\frac{1}{2}$ SE $\frac{1}{4}$, and Lot 6 of Section 35, Township 14 North, Range 19 East of the Boise Meridian, described as follows:

Beginning at a point 24 rods South of the center of Section 36, Township 14 North, Range 19, East of the Boise Meridian, thence West 400 rods, more or less, to the East bank of the Salmon River; thence meandering Northeasterly along said East bank of Salmon River to the center line of Section 35; thence East along the center line of Section 35, and Section 36 to the middle of Section 36; thence South 24 rods to the place of beginning.

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Upper McGowan Ditch and the waters flowing therein from the point where said ditch diverts water from the Salmon River in Custer County, State of Idaho, to the last division box or turnout used by the said plaintiff in accordance with the terms and provisions of this judgment, and Merritt H. Shull, plaintiff herein, shall be entitled to not to exceed an undivided thirty-two and one-third per cent ($32 \frac{1}{3}\%$) of the waters flowing in said ditch from its point of origin, except as otherwise appears hereafter in accordance with the "enlargement of ditch" provision.

That division boxes for measuring the amount of water to which Merritt H. Shull, plaintiff herein, is entitled according to his interest in said Upper McGowan Ditch and the waters flowing therein, shall be placed in said Upper McGowan Ditch prior to April 20, 1951, and shall number not more than two (2), and said plaintiff shall not divert his portion of water in said Upper McGowan Ditch therefrom at any point in said ditch except where taken through the division boxes as herein required and provided for.

That the plaintiff, Merritt H. Shull, shall bear his proportionate share of the expense of maintaining, operating and repairing said Upper McGowan Ditch according to his interest therein as herein set forth, and shall maintain that portion of the Upper McGowan Ditch according to Merritt H. Shull's percentage of flow of water taken through said Upper McGowan Ditch or portions thereof as compared to the respective flows of water taken through the same ditch or portions thereof by the remaining owners and users in said Upper McGowan Ditch.

That the plaintiffs, Frank Shull and Florence Anabelle Shull, are the owners of and entitled to the possession of the following described lands situated in the County of Custer, State of Idaho, to-wit:

Lot 4, Section 1; Lots 1 and 2, Section 2, Township 13 North, Range 19, East Boise Meridian; Tract #905 described as: Beginning at a point on the Township line between Township 14 North, Range 19 and Township 13 North, Range 19, common to the SE $\frac{1}{4}$ of Section 35, and the SW $\frac{1}{4}$ of Section 30, thence running due North 51 rods, thence at right angles due West 160 rods, thence at right angles due South 51 rods, thence at right angles due East 160 rods to place of beginning, situate in Township 14 North, Range 19, East of the Boise Meridian.

And appurtenant to said lands the plaintiffs, Frank Shull and Florence Anabelle Shull, shall be entitled to not to exceed an undivided thirteen per cent (13%) interest in the Upper McGowan Ditch and the waters flowing therein from the point where said ditch diverts water from the Salmon River in Custer County, State of Idaho, to the last division box or turnout used by the said plaintiffs in accordance with the terms and provisions of this judgment, and Frank Shull and Florence Anabelle Shull, plaintiffs herein, shall be entitled to not to exceed an undivided thirteen per cent (13%) of the waters flowing in said ditch from its point of origin, except as otherwise appears hereafter in accordance with the "enlargement of Ditch" provision.

That division boxes for measuring the amount of water to which Frank Shull and Florence Anabelle Shull, plaintiffs herein, are entitled according to their interest in said Upper McGowan Ditch and the waters flowing therein, shall be placed in said Upper McGowan Ditch prior to April 20, 1951, and shall number not more than two (2), and said plaintiffs shall not divert their portion of water in said Upper McGowan Ditch therefrom at any point in said ditch except where taken through the division boxes as herein required and provided for.

That the plaintiffs, Frank Shull and Florence Anabelle Shull, shall bear their pro-

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tion of the Upper McGowan Ditch according to Frank Shull and Florence Anabelle Shull's percentage of flow of water taken through said Upper McGowan Ditch or portions thereof as compared to the respective flows of water taken through the same ditch or portions thereof by the remaining owners and users in said Upper McGowan Ditch.

That the plaintiffs, Paul Riggs, Helen Riggs and Gene Riggs, are the owners of and entitled to the possession of the following described lands situated in the County of Custer, State of Idaho, to-wit:

Tract #903: Beginning at a point 24 rods South of the corner common to SE $\frac{1}{4}$ and NE $\frac{1}{4}$ of Section 35, and the NW $\frac{1}{4}$ and SW $\frac{1}{4}$ of Section 36, thence running straight South 56 rods along the section line, thence West at right angles 240 rods to East bank of the Salmon River, thence North along said river bank 56 rods, thence at right angles straight East 240 rods to place of beginning.

Tract #904: Beginning at a point common to SE $\frac{1}{4}$ of Section 35 and SW $\frac{1}{4}$ of Section 36, 80 rods South of center line common to NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 35 and the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 36, thence South along said line 29 rods, thence West at right angles 160 rods, thence North at right angles 29 rods along center line of Section 35, thence East at right angles 160 rods to place of beginning.

Tract #906: Beginning at a point 24 rods South of center of Section line common to Section 35 and 36, thence due South 80 rods, thence North at an angle 30 degrees East 100 rods to line common between Tract #902 and #907, thence due West 20 rods to place of beginning,

all in township 14 North, Range 19, East of the Boise Meridian.

And appurtenant to said lands the plaintiffs, Paul Riggs, Helen Riggs and Gene Riggs, shall be entitled to not to exceed an undivided ten per cent (10%) interest in the Upper McGowan Ditch and the waters flowing therein from the point where said ditch diverts water from the Salmon River in Custer County, State of Idaho, to the last division box or turnout used by the said plaintiffs in accordance with the terms and provisions of this judgment, and Paul Riggs, Helen Riggs and Gene Riggs, plaintiffs herein, shall be entitled to not to exceed an undivided ten per cent (10%) of the waters flowing in said ditch from its point of origin, except as otherwise appears hereafter in accordance with the "enlargement of Ditch" provision.

That division boxes for measuring the amount of water to which Paul Riggs, Helen Riggs and Gene Riggs, plaintiffs herein, are entitled according to their interest in said Upper McGowan Ditch and waters flowing therein, shall be placed in said Upper McGowan Ditch prior to April 23, 1951, and shall number not more than one (1), and said plaintiffs shall not divert their portion of water in said Upper McGowan Ditch therefrom at any point in said ditch except where taken through the division boxes as herein required and provided for.

That the plaintiffs, Paul Riggs, Helen Riggs, and Gene Riggs, shall bear their proportionate share of the expense of maintaining, operating and repairing said Upper McGowan Ditch according to their interest therein as herein set forth, and shall maintain that portion of the Upper McGowan Ditch according to Paul Riggs, Helen Riggs, and Gene Riggs' percentage of flow of water taken through said Upper McGowan Ditch or portions thereof as compared to the respective flows of water taken through the same ditch or portions thereof by the remaining owners and users in said Upper McGowan Ditch.

That the defendants, CN. John son and Frieda Johnson, are the owners of and entitled to the possession of the following described lands situated in the County of Custer, State of Idaho, to-wit:

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And appurtenant to said lands, the defendants, C. N. Johnson and Frieda Johnson shall be entitled to not to exceed an undivided eighteen and two-thirds per cent ($18 \frac{2}{3}\%$) interest in the Upper McGowan Ditch and the waters flowing therein from the point where said ditch diverts water from the Salmon River in Custer County, State of Idaho, to the last division box or turnout used by the said defendants in accordance with the terms and provisions of this judgment, and C. N. Johnson and Frieda Johnson, defendants herein, shall be entitled to not to exceed an undivided eighteen and two-thirds per cent ($18 \frac{2}{3}\%$) of the waters flowing in said ditch from its point of origin, except as otherwise appears hereafter in accordance with the "enlargement of ditch" provision.

That division boxes for measuring the amount of water to which C. N. Johnson and Frieda Johnson, defendants herein, are entitled according to their interest in said Upper McGowan Ditch and waters flowing therein, shall be placed in said Upper McGowan Ditch prior to April 20, 1951, and shall number not more than three (3), and said defendants shall not divert their portion of water in said Upper McGowan Ditch therefrom at any point in said ditch except where taken through the division boxes as herein required and provided for.

That the defendants, C. N. Johnson and Frieda Johnson, shall bear their proportionate share of the expense of maintaining, operating and repairing said Upper McGowan Ditch according to their interest therein as herein set forth, and shall maintain that portion of the Upper McGowan Ditch according to C. N. Johnson and Frieda Johnson's percentage of flow of water taken through said Upper McGowan Ditch or portions thereof as compared to the respective flows of water taken through the same ditch or portions thereof by the remaining owners and users in said Upper McGowan Ditch.

That the Defendants, Frank Burstedt and Enid Burstedt, are the owners of and entitled to the possession of the following described lands situated in the County of Custer, State of Idaho, to-wit:

Tract #592, Section 2, Township 13 North, Range 19, East of the Boise Meridian, more particularly described as follows, to-wit:

Commencing at the Southwest corner of Lot 2 of Section 2, said Township and Range, thence Easterly along the South line of said Lot 2, one hundred and seventy feet, thence North $20^{\circ}20'$ East 1009 feet, thence North $64^{\circ}25'$ West 600 feet, thence South 1260 feet to the place of commencement. Lots 3 and 5, SE $\frac{1}{4}$ and SW $\frac{1}{4}$ of Section 2; Lots 6 and 10 of Section 3; Lot 1 of Section 10; Lot 1 of Section 11, all in Township 13 North, Range 19, East of the Boise Meridian; and Lot 9 of Section 35, Township 14 North, Range 19, East of the Boise Meridian.

And appurtenant to said lands the defendants, Frank Burstedt and Enid Burstedt, shall be entitled to not to exceed an undivided fifteen per cent (15%) interest in the Upper McGowan Ditch and the waters flowing therein from the point where said ditch diverts water from the Salmon River in Custer County, State of Idaho, to the last division box or turnout used by the said defendants in accordance with the terms and provisions of this judgment, and Frank Burstedt and Enid Burstedt, defendants herein, shall be entitled to not exceed an undivided fifteen per cent (15%) of the waters flowing in said ditch from its point of ~~xx~~ origin, except as otherwise appears hereafter in accordance with the "enlargement of ditch" provision.

That division boxes for measuring the amount of water to which Frank Burstedt and Enid Burstedt, defendants herein, are entitled according to their interest in said Upper McGowan Ditch and waters flowing therein, shall be placed in said Upper McGowan Ditch to April 20, 1951, and shall number not more than two (2), and said defendants shall not divert their portion of water in said Upper McGowan Ditch therefrom at any point in said

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That the defendants, Frank Burstedt and Enid Burstedt, shall bear their proportionate share of the expense of maintaining, operating and repairing said Upper McGowan Ditch according to their interest therein as herein set forth, and shall maintain that portion of the Upper McGowan Ditch according to Frank Burstedt and Enid Burstedt's percentage of flow of water taken through said Upper McGowan Ditch or portions thereof as compared to the respective flows of water taken through the same ditch or portions thereof by the remaining owners and users in said Upper McGowan Ditch.

That any and all division boxes required to be placed in the Upper McGowan Ditch in accordance with the terms and provisions of this judgment shall satisfy and in all respects comply with the general standards and requirements of the Department of Reclamation of the State of Idaho.

IT IS FURTHER ADJUDGED AND DECREED, That if the presently existing Upper McGowan Ditch, with a present carrying capacity of two thousand (2,000) miner's inches (or 40 cubic feet per second of time) as of the date hereof, be enlarged to the extent that a flow greater than two thousand (2,000) miner's inches (or 40 cubic feet per second of time) becomes available, then and in that event the party or parties performing the work of enlarging said ditch and thereby increasing the flow of water therein in an amount over and above the present carrying capacity of two thousand (2,000) miner's inches (or 40 cubic feet per second of time) shall be entitled to said increase in flow in the same proportion as the amount of work contributed by the party or parties performing the work of enlargement; and that the party or parties performing the work of enlargement of said ditch and thereby increasing the carrying capacity and flow of water therein, over and above the present carrying capacity as herein stipulated and agreed upon, shall be entitled to said increase notwithstanding the agreed-upon division of said ditch as in this judgment contained; and that if one party desires to perform enlargement work on said ditch in addition to that which has been performed jointly with other parties hereto, then said party desiring to perform the additional work of enlargement shall have said work appraised separately and shall become entitled thereby to any increase in flow of water in said ditch, over and above the present carrying capacity of said ditch plus the amount developed in addition to the present carrying capacity of the said ditch by joint efforts of parties hereto; and that said party or parties so enlarging the Upper McGowan Ditch as herein mentioned shall be entitled to adjust his, their or its respective division boxes in order to insure to the party or parties performing the work of enlargement, the uninterrupted flow of any increase in flow of the waters in said ditch thereby developed; and that any party or parties desiring to enlarge the Upper McGowan Ditch in order to increase the carrying capacity therein mentioned, shall first discuss his, their or its plan with all other users in said ditch a party to this ditch and water agreement, and if any other user in said ditch so desires, said user shall be permitted the opportunity to join in any proposed plan of enlargement of said ditch and to receive a proportionate share of the water thereby developed over and above the present carrying capacity of two thousand (2,000) miner's inches (or 40 cubic feet per second of time), and that work performed on said ditch of a maintenance, operational and repair type shall not be construed to be considered enlargement of said ditch; that any said party or parties performing the work of enlarging the Upper McGowan Ditch hereby shall pay promptly for all materials used in said work and for all labor done and shall protect and save all parties hereto from any liability on account thereof and shall protect all parties hereto in keeping the said ditch and irrigation system free and clear from any liens or claims or demands for said work and material used in and about the said ditch in the performance of any work termed "enlargement of said ditch or portions thereof"; and that this judgment shall

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not be construed to alter or affect in any way the existing rights, privileges and interests of the parties hereto with respect to the waters of that creek commonly known as "Warm Spring Creek".

IT IS FURTHER ADJUDGED AND DECREED, That the rights of all parties hereto, both plaintiffs and defendants, in and to the Upper McGowan Ditch as hereinbefore set forth, are established, quieted, ^{and} confirmed and that all parties to this action and all persons claiming under them, their attorneys, agents, servants and employees, are hereby perpetually restrained, prohibited, and enjoined from interfering with the rights in said Upper McGowan Ditch awarded to the parties as this decree provides.

IT IS FURTHER ORDERED, ADJUDGED AND DECREED, That the Court retain jurisdiction over this cause to correct any typographical errors in descriptions and that at any time within said period any party or parties to this action may apply to the Court or the Judge thereof for correction of such errors.

Dated this 24th day of April, 1951.

Preston Thatcher
Judge of District Court

41555

Filed 4-25-51

J. L. Dwyer
Clerk

No. 103424

IN THE DISTRICT COURT OF THE UNITED STATES IN AND FOR THE
DISTRICT OF IDAHO, EASTERN DIVISION

The Utah Construction Company,
a corporation,

Plaintiff,

-vs-

John F. Abbott, et al,

Defendants.

IN SENATE NO. 222

D E C R E E

I, ED. M. BRYAN, Clerk of the above entitled Court do hereby certify the following to be full, true and correct copies of portions of the Decree entered in the above entitled cause and filed in my office on the fifteenth day of March, 1953.

PART II.

("SCHEDULE OF RIGHTS")

c.f.s. is used throughout this schedule to designate a flow of one cubic foot of water per second of time.

Note: The left hand column of this schedule of rights headed "Date of Priority", shows the name of the owner of the water right or water rights decreed; the date or dates of priority, and for convenience the water right or water rights of each individual are given a number, which number appears at the lower left hand corner of the paragraph defining the water right or water rights decreed to each individual. The center column shows the amount of water in c.f.s. under each date of priority. The right hand column gives the point of diversion and describes the land constituting the place of use."

"The respective defendants herein named are entitled to divert from Big Lost River and its tributaries as hereinafter indicated for irrigation and domestic purposes the following amounts:

Henry Larter

(a) 1886 - September 1 2.2 c.f.s.

To be diverted from Warm Springs Creek through a private

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13N
19E
Sec 16

DOD: NW, SW, SE
Upper McGowan
Ditch

4927

27' 30"

4926

4925

4923

4922

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25'



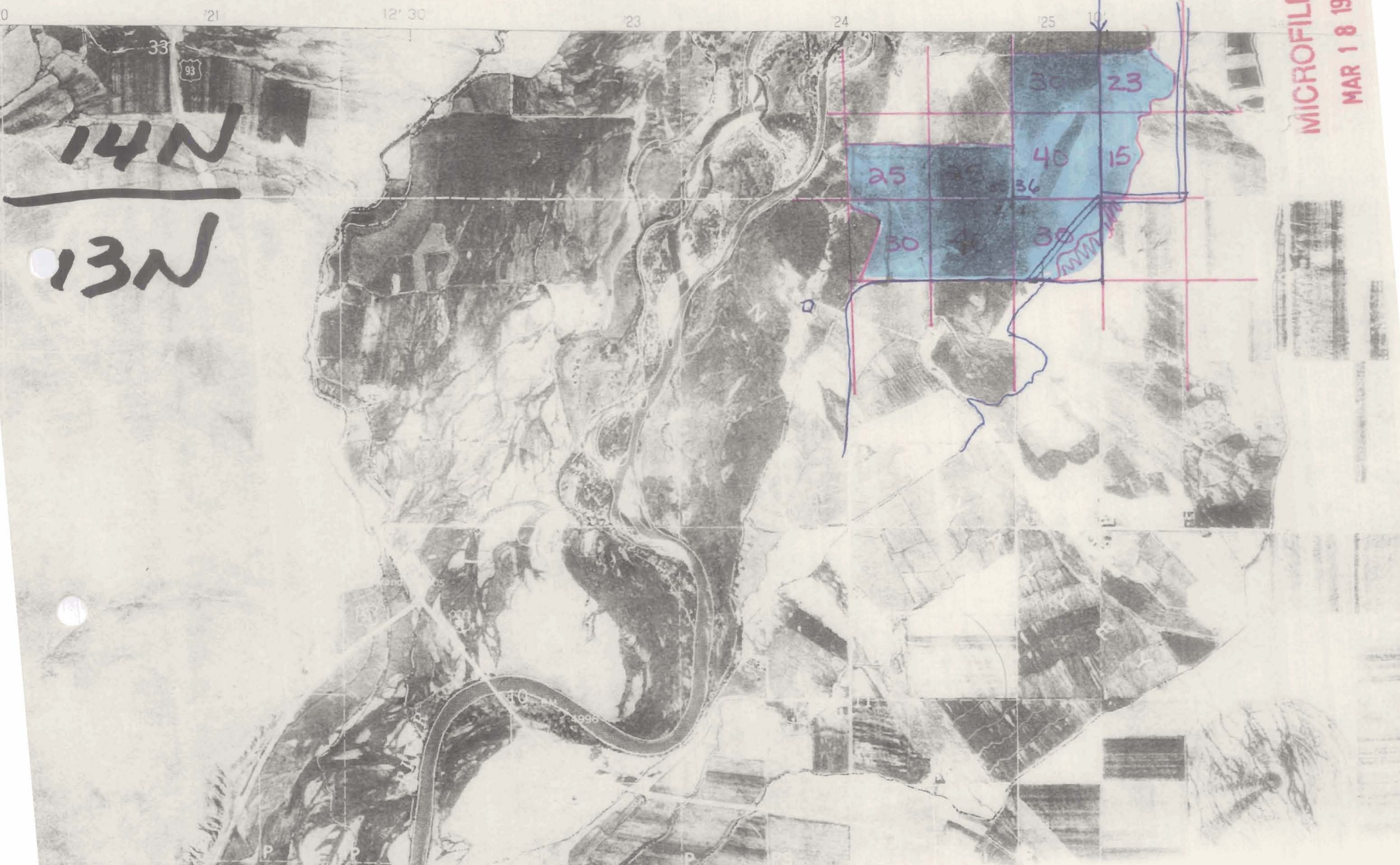
RIGE

A72-10120

INTERIOR
KEY

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Water Right Number - 72-00240

Adj. Flag Translation: Standard Water Right Number

Old (D) Number -

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

*** C - CURRENT OWNER ***
SHULL

FRANK

1 -
2 -
3 -
City-
Phone -
1 -
2 -
3 -
City-
Phone -

13%
of Upper
McGowan Ditch
5.2 cfs.

SHULL

FLORENCE ANNABELLE

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - +
06/01/1890 17 D - DECREED

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

+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County Stream Index
13N 19E 16 SW SE 5 (37) CUSTER

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
01 - IRRIGATION 5.200

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
5.200

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
13N	19E	1	NW NW	4	01	IRRIGATION	(37) CUSTER	
13N	19E	2	NE NE	1	01	IRRIGATION	(37) CUSTER	
13N	19E	2	NW NE	2	01	IRRIGATION	(37) CUSTER	
14N	19E	35	SW SE		01	IRRIGATION	(37) CUSTER	
14N	19E	35	SE SE		01	IRRIGATION	(37) CUSTER	

Total Acres:

+ - - Diversion Means -

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use -

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Water right number - 72-00240 Adj. flag translation: Standard Water Right Number

+ - - - - Remarks - - - - - +
RT. IS FOR 13% OF FLOW IN UPPER MCGOWAN DITCH, UP TO 5.2 CFS.
P/U INCOMPLETE. SEE DECREE.
P/D NOT GIVEN IN DECREE BUT DETERMINED FROM USGS MAP.

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

+ - - - Decree Plaintiff - - - + + - - - Decree Defendant - - - + + - Decree Date - +
CHIVERS ET AL JOHNSON ET AL 04/24/1951

+ - - Audit Fields - 12/09/85 05/28/88 CONVERT

+ - - - - Water Rights Dates and Flags Area - - - - - +

Proof Due Date	- 00/00/0000	Field Exam Made	- 00/00/0000	Field Exam Fee	-
Approved/Denied	- 00/00/0000	Protested Date	- 00/00/0000	Swan Falls	-
Proof Made Date	- 00/00/0000	Hearing Date	- 00/00/0000	Temporary Right	- P
Start Work Date	- 00/00/0000	Verified Date	- 12/09/1985	DLE/Carey Act	-
Order Show Cause	- 00/00/0000	Receipt Number	-	Water District	- 000
Licensed Date	- 00/00/0000	Appl Received	- 00/00/0000	Transfer/Amended	-
Decree Date	- 04/24/1951				

MICROFILMED
MAP 1 8 1993

Water Right Number - 72-00238 Adj. Flag Translation: Standard Water Right Number Old (D) Number -

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

*** C - CURRENT OWNER ***
CHIVERS BROTHERS

1 -
2 -
3 -
City- State- Zip-
Phone -

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
06/01/1890 17 D - DECREED

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

+ - - - - Point of Diversion - - - - - +
TwN Rng Sec Tract Lot RFlg County Stream Index (Blank if no Index Code)
13N 19E 16 SW SE 5 (37) CUSTER

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
01 - IRRIGATION 4.400

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
4.400

+ - - - - Place of Use - - - - - +
TwN Rng Sec Tract Lot Acres Code Description County
14N 19E 36 NE SW 01 IRRIGATION (37) CUSTER
14N 19E 36 NW SW 01 IRRIGATION (37) CUSTER
14N 19E 36 SW SW 01 IRRIGATION (37) CUSTER
14N 19E 36 SE SW 01 IRRIGATION (37) CUSTER

Total Acres:

+ - - Diversion Means -
+ - - Non-Irrigation Use -
+ - - Other Rights for Same Use -

+ - - - - Remarks - - - - - +
RT. IS FOR 11% OF FLOW IN UPPER MCGOWAN DITCH, UP TO 4.4 CFS.
PRIORITY DATE GIVEN IN DECREE AS 1890.

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

MICROFILMED

MAR 18 1993

11% upper
mcgowan

4.4 cfs.

MICROFILMED
 +
 MAR 18 1993

AJ0749NP
No. R72-10120

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

DATE: 11/17/98
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	GARTH T CHIVERS	06/01/1890	IRRIGATION	04-01 10-31	9.60 CFS	
C	GLENIS M CHIVERS					
	HC 63 BOX 1771					
	CHALLIS ID 83226					
	(208) 879-4407					
				TOTAL DIVERSION:	9.60 CFS	

Water Source: SALMON RIVER

Tributary to: SNAKE RIVER

Stage: DECREED

Point(s) of Diversion: T13N R19E S16 Lot07(NWSWSE)

CUSTER County

Place of use Legal Description for: IRRIGATION

NE				NW				SW				SE												
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:	SUM
			:	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	:	
13N	19E	1	:					:			04-19		:					:					:	19.0
13N	19E	2	:	01-37	02-23			:					:					:					:	60.0
14N	19E	35	:					:					:					:			22	26	:	48.0
14N	19E	36	:					:					:	19	24	40	14	:					:	97.0
			:					:					:					:					:	TOTAL ACRES 224.0

POU County: CUSTER

Other Rights: 72-04222A & 72-00185A

Remarks: QNT USE OF THIS RIGHT WITH RIGHT NOS. 72-04222A & 72-00185A IS
LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 18.61 CFS.

POU1 USE OF THIS RIGHT WITH RIGHT NOS. 72-04222A & 72-00185A IS
LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 224.0 ACRES IN A
SINGLE IRRIGATION SEASON.

EXP WATER IS DELIVERED THROUGH CHALLIS IRRIGATION CANAL.

Dates: Exam Made Date: 08/04/1993 Verified Date: 11/17/1998 Objection Filed Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag: D

TRANSFER NUMBER _____
CLAIMED ACRE TOTAL 268
GIS ACRE TOTAL 222.5

'2-DBPOU.SHP

2-DBPOD.SHP

F TABLES UPDATED

A72-10120

Revised Quantity Calculations

10/7/98
see

& OVERLAP REVIEW

72-00185A

was: 78 AC

FIR = 2.97

0.038 cfs/AC

claim
10.0

now 86 AC

$\rightarrow \times 0.038 = \underline{3.27 \text{ cfs}}$

* Revised Soils: ~~7.48~~

5.37

72-4222A

was 78 AC

FIR = 2.97

0.038 cfs/AC

claim
4.0

now 86 AC

$\rightarrow \times 0.038 = \underline{3.27 \text{ cfs}}$

* Revised Soils: ~~7.48~~

5.37

72-10120

was 205 AC

FIR = 9.39

0.0458 cfs/AC

claim
9.6

now 224 AC

$\rightarrow \times 0.0458 = 10.26 \text{ cfs}$

Revised Soils: ~~13.24~~
(only on 138 ac.)

* limit to claim 9.60 cfs

Revised
Soils - Total cfs: 18.61 cfs

TOTAL CLAIMS = 23.6 cfs

} Combined use limit
18.61 when
Combined

✓ 11/17/98 see

REEVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

A72-00185A

DATE: 11/17, 1998

A72-04222 A A72-10120

REVIEWED BY See

CHALLIS AREA SOIL REVIEW

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
ATC	.15	.13			6.49	7.62
BB1	.09	.09			6.09	6.17
BC1	.16	.17			5.82	5.46
BK1	.07	.06			10.62	11.86
BT1	.18	.16			3.99	4.19
BT2	.41	.32			2.34	2.87
CB1	.06	.06			11.55	13.47
CHA	.21	.21			4.52	4.76
CP1	.36	.36			2.61	2.78
DB1	.13	.11			5.66	6.65
DBB	.13	.11			5.71	6.69
DBC	.13	.11			5.71	6.69
DMF	.18	.21			5.12	4.72
DRF	.18	.19			9.08	9.68
DT2	.05	.04			12.46	16.50
DWA	.14	.14			4.79	5.01
G01	.10	.12			12.47	10.51
KEG	.08	.07			8.73	10.06
MBF	.15	.12			7.65	5.81
MUG	.15	.14			4.54	4.98
NDL	.13	.12			5.30	6.06
PD2	.11	.12			5.15	4.74
Q	.26	.21			13.2	10.4
RE2	.29	.21			3.15	4.74
RP1	.19	.21			4.89	4.57
SH1	.06	.05			9.37	12.10
SOC	.08	.07			7.38	8.08
SSA	.15	.14			4.79	5.01
SXF	.12	.11			6.14	6.80
TC1	.06	.06			9.82	9.55
TD1	.04	.03			12.46	16.50
WB2	.13	.13			5.37	5.43
WAA	.19	.16			3.81	4.23
WBB	.17	.14			3.36	3.84
WC1	.07	.06			11.24	13.45
WPT	.19	.15			3.16	3.69
WV1	.07	.06			11.24	13.45
XHS						
YN1	.18	.14			5.38	6.92

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

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

SOIL TYPE	OPTIMAL ROTATION / (chart)	ACTUAL ROTATION / (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
-----------	----------------------------	---------------------------	-----------------------------	-----------------------	----------------------

CHA	/	*	—	* .21	$9 \times .21 = 1.89$ $48 \times .14 = 6.72$ $73 \times .06 = 4.38$ $8.4 \times .03 = 0.25$ <u>13.24</u>	
DWA	/	*	—	* .14		
TC1	/	*	78.39	* .06		
TD1	/	*	55.26	* .03		
WB2	/	*	15	* .13		
WV1	/	*	205	* .06	$2.34 \times 1.68 = 3.93$ $0.78 \times 1.68 = 1.31$ $1.95 \times 1.20 = 2.34$ $0.30 \times 1.20 = 0.36$ <u>5.94</u>	
TOTAL ACRES					DECLARED RATE	13.24

CLAIMED DIVERSION RATE = 5.37

MEASURED DIVERSION RATE = 13.24

Total Acres = 223.4

IDAHO DEPARTMENT OF WATER RESOURCES

72-00185A, 72-04222A & 72-10120



660 0 660 1320 Feet



TWN: 13N 14N
RNG: 19E 19E
SEC: 1 & 2 35 & 36

-  RECOMMENDED PLACE OF USE
-  RECOMMENDED POINT OF DIVERSION
-  SECTION LINES
-  QUARTER-QUARTER LINES
-  STREAMS & DITCH CHANNELS

GIS PLACE OF USE PRESENTATION
USFS AERIAL PHOTOGRAPHY, 1988
BY STEVE CLELLAND

DATE: OCT. 7, 1998

Sec. 36

24
~~24.2~~

19
~~18.8~~

22

3

18

25

40

14

17

19

$$\begin{array}{r} 7 \\ \cancel{6.8} \end{array}$$

22

$$\begin{array}{r} 14.5 \\ 15 \end{array}$$
~~19.4~~ 20Sec 2

SEC

86 holes - overlap w/
- 00185A
- 04222A

CHALLIS
IRR. CO.
POU

138 ACRES - ONLY A72-10120

10/7/98
SCW

224 total ACRES (some overlap w/
Challis IRR. CANAL)

A72-10120

FROM: Allen Merritt *AM*
TO: Transfer File No. 4900
In the Name of: CHIVERS

DATE: November 21, 1996

SUBJECT: Review and Recommendation

72-00182 D, 18
The main purpose of this transfer is to change the point of diversion. This change results in elimination of two old ditches and concentration of diversion in another existing diversion which benefits the salmon recovery effort. As a side purpose the transfer is structured to create a PPU for the rights involved which could be argued already exists. The transfer was advertised without protest. A review of the rights by the SRBA staff has found that less acres have historically been irrigated and less water beneficially used than what the records of the rights shows and the application represents. The applicant has been made aware of the SRBA findings but no further effort has been made by the applicant to provide additional information to justify changing the SRBA preliminary recommendations.

RECOMMENDATION

I recommend the transfer be approved based on the SRBA findings. See the "Overlap Review for Chivers" and the "R" records for the rights involved which have been created by Steve Clelland and included in the file.

The following are the recommended acres:

Twp 13N, Rge 19E, Section 1	
NENE lot 4	16 acres
Twp 13N, Rge 19E, Section 2	
NENE lot 1	36 acres
NWNE lot 2	17 acres
Twp 14N, Rge 19E, Section 35	
SWSE	18 acres
SESE	25 acres
Twp 14N, Rge 19E, Section 36	
NESW	19 acres
NWSW	22 acres
SWSW	39 acres
SESW	13 acres
Total acres	205 acres

RECOMMENDED CONDITIONS:

-Subject to SRBA Review. (Since the rights are recommended to be limited by historical beneficial use

which is judged by the current Hubble Analysis Method, and such method may be changed due to current court challenge I recommend that the IDWR retain jurisdiction to change recommended rates)

-Limit 72-00185 part to 4.39 cfs. Limit 72-00239 to 4.40 cfs. Limit 72-00240 to 2.23 cfs. Total combined use shall not exceed 11.02 cfs including when combined with 72-04222A which provides water from another source. (9.39 cfs being for Field Irrigation Requirements and 1.63 cfs being for Conveyance Loss in delivery system).

-Measuring device & control works at point of diversion.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No.

4900

MAY 06 1996

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1

Department of Water Resources
Southern RegionName of applicant GARTH T & Glenis M. CHIVERS Phone 208-879-4407Post Office address Hc 63 Box 1771 Challis ID 83226

A. PURPOSE OF TRANSFER

1. ☒ Change point of diversion ☐ Add diversion point(s) ☒ Change place of use
☐ Change nature of use ☐ Change period of use ☒ Other Create PPU
2. Describe the reason for the proposed changes elimination of Salmon River diversion by consolidation into Challis Irrigation Co Canal system

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use
72 00185D	4-1 1887	* 10 ~~46~~ CFS	IRRIGATION	04-01 to 11-01 (~~22~~)
72-00238	6-1-1890	44 ~~96~~ CFS	IRRIGATION	04-01 to 11-01
72 00240	6-1-1890	5.2 CFS	"	04-01 to 11-01
		* 19.6		to

2. Total amount of water being transferred 24.8 cubic feet per second and/or _____ acre-feet per annum.3. Source of water SALMON RIVER tributary to SNAKE RIVER

4. Point(s) of Diversion: * Per telecon w/applicant 5-8-96 ga

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Local name for diversion
5		SW	NE	32	13N	19E	Custer	5-32 Challis Irrigation Co Canal

5. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
13N	19E	1						46.0											46.0
		2	40.0	34.0															74.0
14	19E	35															25.0	25.0	50.0
		36									23.0	30.0	40.0	15.0					108.0

* SRBA REVIEW FINDINGS INDICATE A TOTAL OF 10.77 CFS FOR IRRIGATION OF A TOTAL OF 205.0 ACRES.

* Total acres 268.0

PART 1

6. General Information:

a. Description of diversion system Rock wing in River headgate canal to
place of use

b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or
N/A contracts? Yes No. If yes, provide a notarized statement from the holder of the lien, deed of
trust, mortgage or contract agreeing to the proposed changes.

c. Describe the affect on the land now irrigated if the place of use is changed pursuant to this transfer:

none

d. Remarks:

a 72-1013 represents combined right 72-00238 + 72-00240
land that used to sub-irrigate will now have to be irrigated with ditches
or sprinklers. Due to the installation of sprinklers on adjacent land, sub
water is no longer sufficient as a water supply for some of my farm.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____

And said application is hereby _____, subject to the following limitations and conditions:

Witness my hand this _____ day of _____, 19 _____

PART 3**B. CHANGES IN NATURE OF USE**

1	<u>New Nature of Use</u>	<u>Amount</u> (cfs/ac-ft)	<u>Hours/days/year</u>	<u>Period of Use</u>
				to
				to

2. Quantity and quality of return flows and location of discharge:

3. Describe effects on other water uses resulting from the proposed change:

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge.

I understand that any willful misrepresentations made in this application may result in voiding its approval.

X Lantz Chivers

(Signature of Applicant)

Subscribed and sworn to before me this 6th day of March, 19 96.

Violet Stevens

(Notary Public)

My commission expires 2/28/2002

FOR DEPARTMENT USE ONLY

Transfer contains 10 pages and 3 attachments

Received by MR SA Date 4/2/96 5-6-96 Protest filed by

Prelim. check by CS Fee 100.00 5019109

Receipted by JS Date 5-7-96

Published in Challis Messenger, Post Register, Times News, F.D. Statesman, Lewiston Tribune Copies of protest forwarded by

Pub. dates 9/26 + 10/3/96 Hearing held by Date

Watermaster recommendation requested on N/A Recommended for ☐ approval ☐ denial

 rec'd. by

Copy of transfer sent to lien holder

RECEIVED**MAY 08 1996**

Department of Water Resources
Southern Region

6/9/94

COMMUNICATION DOCUMENTATION

Claim No. A72-10120 &
A72-00185A

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

IDWR Employee/Agent Steve Clelland

March 29, 1996 11:03am

NAME: MRS. GARTH CHIVERS CALLIN RE: TRANSFER TO CHALLIS CANAL

SHE CALLED TO ASK ABOUT THE ONGOING TRANSFER ACTIVITIES IN CHALLIS. HER RIGHTS ARE PART OF THE MOVE FROM THE UPPER MCGOWAN DITCH INTO THE MAIN CHALLIS IRRIGATION CANAL. SHE IS CONCERNED THAT IF SHE SPENDS THE TIME AND MONEY NOW TO TRANSFER THE RIGHTS AND THE PROJECT IS NOT COMPLETED THEN SHE WILL HAVE TO SPEND MORE TO MOVE IT BACK. I TOLD HER IF THE TRANSFER ACTUALLY OCCURS AND THE WATER IS DELIVERED FROM THE CHALLIS CANAL THEN, YES, IT WOULD TAKE A NEW TRANSFER PROCESS TO MOVE IT SOMEWHERE ELSE. HOWEVER, IF THE PROJECT IS NEVER ACTUALLY COMPLETED AND THE TRANSFER DOES NOT OCCUR, THE DEPARTMENT SHOULD BE NOTIFIED AND THE TRANSFER COULD BE WITHDRAWN.

WHEN ASKED WHERE THE WATER IS CURRENTLY GOING TO BE DELIVERED FROM SHE SAID IT WAS STILL BE CONSTRUCTED AND COULD STILL GO EITHER BY MCGOWAN DITCH OR THE CANAL. I TOLD HER IT TAKES SOME TIME FOR THE TRANSFER PROCESSING TO BE APPROVED AND ADVERTISED. BY THE TIME THIS HAS OCCURRED THE WATER SHOULD BE RUNNING.

SHE ASKED ABOUT THE EFFECT OF THE MOVE ON THEIR PRIORITY DATE. I TOLD HER IT SHOULD STILL BE AS VALID AND WOULD BE DELIVERED BEFORE OTHER JUNIOR RIGHTS. THE CANAL IS JUST THE METHOD OF DELIVERY FOR THOSE RIGHTS.

SHE ASKED FOR A WRITTEN DOCUMENTATION OF THIS CONVERSATION. I WILL SEND HER A COPY OF THIS DOCUMENT.

ADDRESS: GARTH CHIVERS, HC 63 BOX 1771, CHALLIS, ID
PHONE: 879-4407

DEC 03 1996



State of Idaho
DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301-6105 (208) 736-3033
Fax (208) 736-3037

March 29, 1996

PHILIP E. BATT
Governor

KARL J. DREHER
Director

GARTH CHIVERS
HC 63 BOX 1771
CHALLIS ID 83226

RE: COMMUNICATION DOCUMENTATION REQUEST

DEAR MR. AND MRS. CHIVERS,

Enclosed is a copy of the information you requested. A copy of this is also on file with your SRBA claims as well.

If you have any further questions feel free to call.

Sincerely,

STEVE CLELLAND
Water Resource Agent

ENC:

DEC 03 1996

TO: File

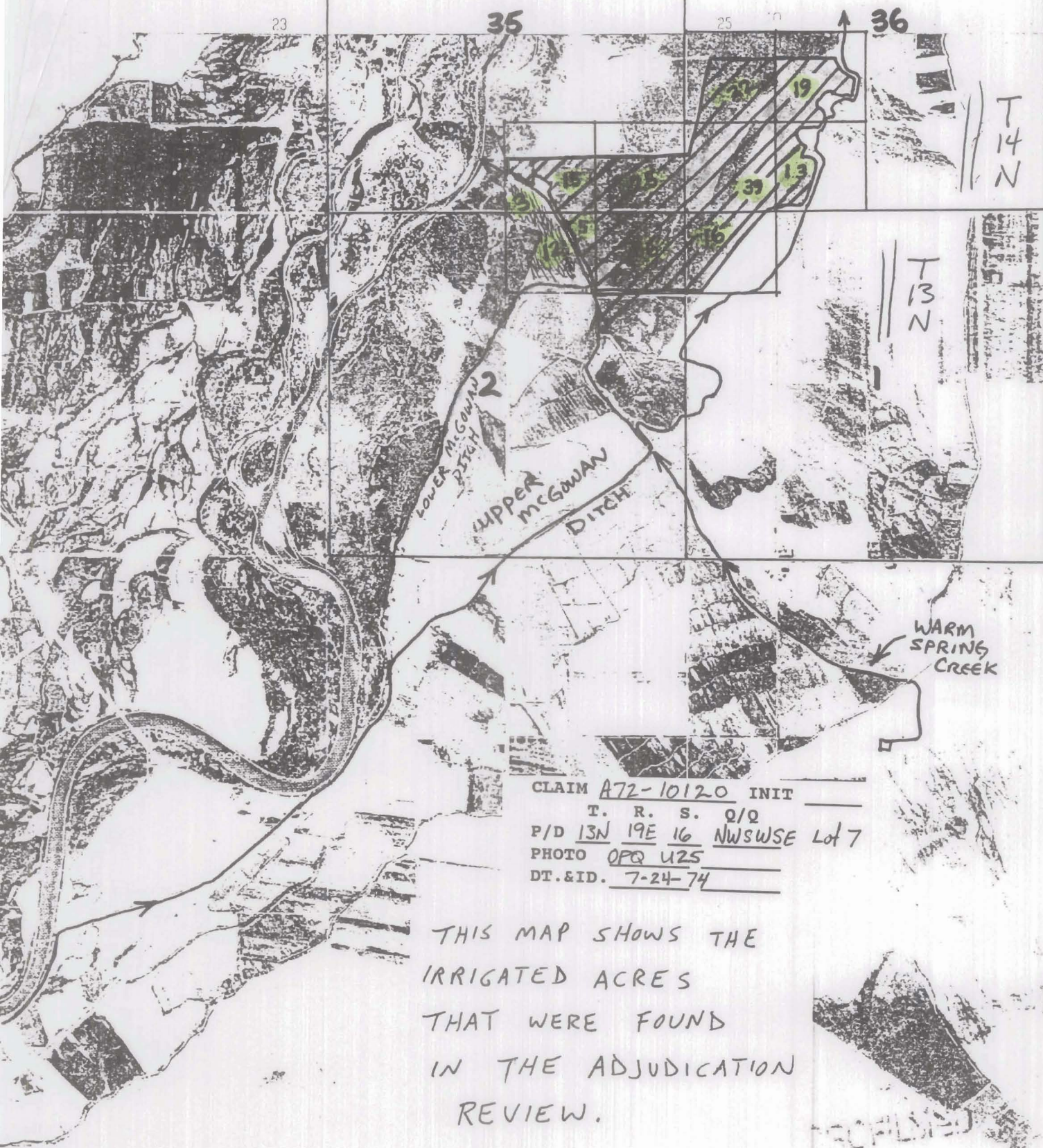
DATE: May 7, 1996

FROM: Jim Stanton

SUBJECT: SRBA Claim A72-10120, Garth Chivers

I have found the root of the problem Steve & I discussed earlier today. While this claim states that it is a combination of Rights 72-00239 & 00240, it is actually a combination of 72-00238 & 00240. Together these rights total 9.6 cfs, which is the amount claimed. Right 72-00239 has been claimed by Cliff Hansen, and is fully recommended in his name. It therefore appears that these claims do not conflict with each other, so we should be able to process Mr. Chivers transfer out of the McGowan Ditches.

DEC 03 1996



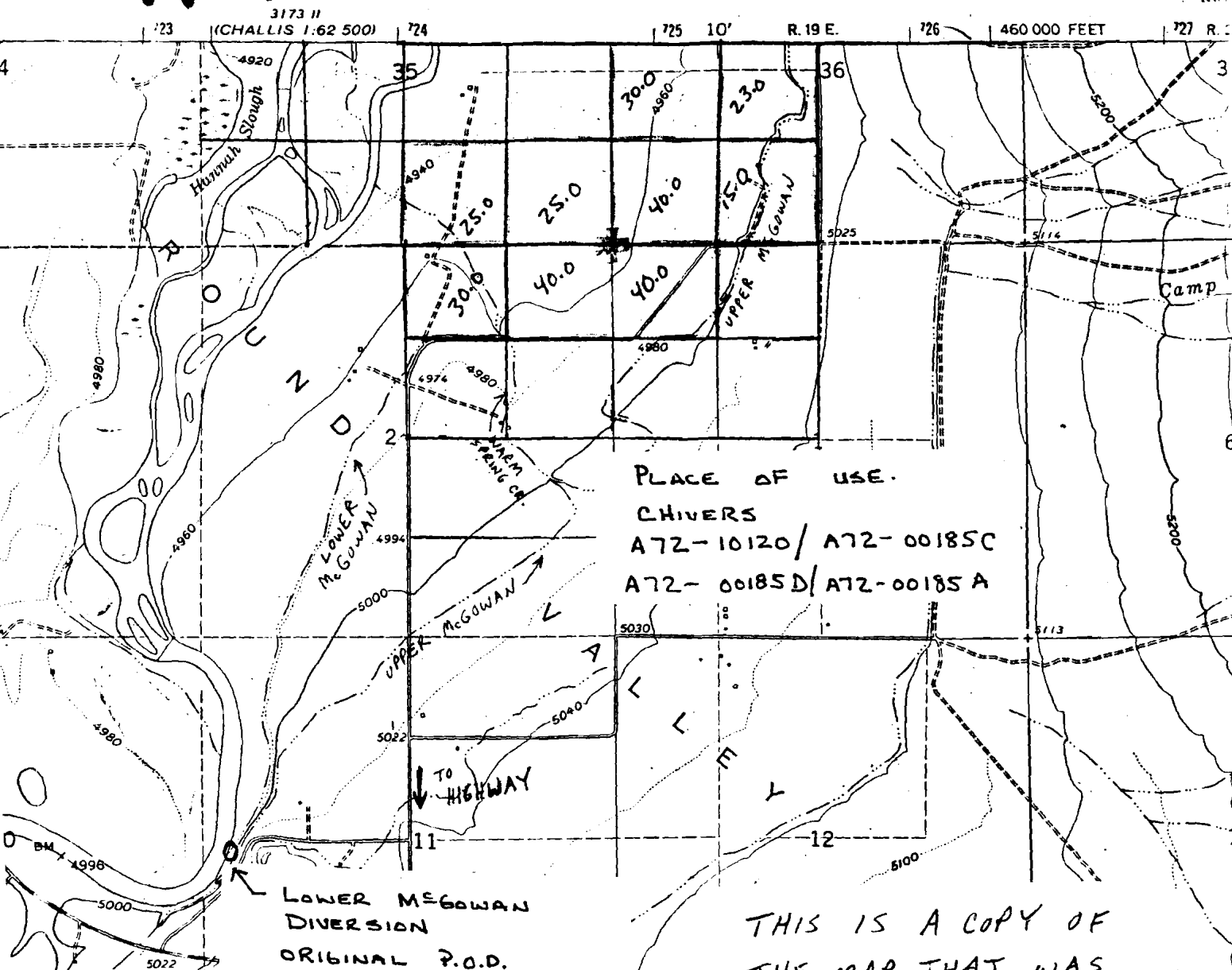
DEC 03 1996

R 19 E

BRADB

7.5 MIN

NW



THIS IS A COPY OF
THE MAP THAT WAS
SUBMITTED WITH YOUR
TRANSFER APPLICATION.

DEC 03 1996

August 26, 1996
PAGE 2

Once the public notice advertisement is prepared for your transfer application, you will receive an acknowledgement letter from our office. This letter will provide you with the dates that your transfer application will be advertised and detail the remaining steps in the processing of your transfer application.

If you have any questions or I can be of any assistance, feel free to contact me at your convenience.

Sincerely,

A handwritten signature in cursive script, appearing to read "Corey Skinner".

Corey Skinner, EIT
Dam Safety Section

Enclosures

DEC 03 1996



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301-6105 (208) 736-3033
Fax (208) 736-3037

PHILIP E. BATT
Governor

KARL J. DREHER
Director

August 26, 1996

A72-10120

Garth Chivers
HC 63 Box 1771
Challis, ID 83226

Dear Mr. Chivers:

I have decided to proceed with the processing of the transfer application that you recently filed. The transfer application seeks to change the points of diversion of rights 72-00238, 72-00240, and your portion of 72-00185 from the McGowan ditches to the S-32 Challis Irrigation Company Canal.

As you are aware, the Snake River Basin Adjudication has commenced and the claims that correspond to the water rights that you are wanting to transfer have been reviewed by a representative from our department. As we discussed during our telephone conversations, the information that is recorded on your transfer application does not correspond to the Department's findings in the adjudication review process.

The transfer application that you submitted states that you desire to irrigate 268 acres with your water rights out of the S-32 Challis Irrigation Company Canal. However, as part of the Snake River Basin Adjudication review process, the Department found that the place of use for your water rights out of the McGowan Ditches consists of 205 acres of irrigated ground. In addition, the total amount of water determined to be appurtenant to your 205 acre place of use is 10.77 cfs (538.5 inches). Your transfer application states that the total amount of water to be transferred is 19.6 cfs (980 inches).

I have enclosed a copy of the map that was submitted with your transfer application and a map that shows the location of the irrigated acres that were found in the adjudication review. Reviewing these two maps may help to clarify the discrepancy between the irrigated acres on your application and the irrigated acres that were found in the adjudication review.

The adjudication findings are part of the review process for your transfer application and will have a bearing on its possible approval. You may want to discuss the adjudication review findings with Steve Clelland who is the agent from our office who conducted the adjudication review of your water rights out of the McGowan Ditches.

DEC 03 1996

OVERLAP REVIEW FOR CHIVERS

A72-00185A

CLAIM: 103 AC 10.00 CFS LOWER MCGOWAN
EXAM: 78 AC 4.39 CFS LOWER MCGOWAN
(Allows for 1.42 cfs conveyance losses.)
(FIR 2.97 + CL 1.42 = 4.39 CFS)

A72-04222A

CLAIM: 100 AC 4.00 CFS WARM SPRING CREEK
EXAM: 78 AC 2.97 CFS WARM SPRING CREEK
(No conveyance losses shown)
(FIR 2.97 + CL 0.00 = 2.97 CFS)

The 78.0 acres shown in the above two rights are the same parcels of land irrigated by two separate sources.

A72-10120

CLAIM: 268 AC 9.60 CFS UPPER MCGOWAN
EXAM: 205 AC 9.60 CFS UPPER MCGOWAN
(Allows for 0.21 cfs conveyance losses.)
(FIR 9.39 + CL 0.21 = 9.6 CFS)

The 205.0 acres shown above overlaps the 78.0 acres listed in the top two descriptions.

COMBINED USE LIMITS:

FIR 9.39 + CL 0.21 + CL 1.42 = 11.02 CFS
Place of Use limited to the 205 acres listed in reports.

REMARKS:

A72-00185A was originally proposed to be separated into parts -185C & -185D because of delivery systems and combined remark limits. During my on site visit with Mr. Chivers in fall of 1994 he demonstrated the use of Upper McGowan Ditch water and Warm Spring Creek water on the 15 acres west of the Warm Spring Creek channel. Right should now reflect again as A72-00185A; parts C & D are no longer necessary.

The other two rights have been revised to add the 15 acres west of Warm Spring Creek channel to the previously determined amounts. Field Irrigation Requirement (FIR) was calculated at 0.79 cfs for the 15.0 acres (0.053 cfs/acre). (63 acres at 2.18 cfs FIR and the balance of 127 acres FIR was 6.42 cfs.)

A72-10120 shows no increase in cfs amount, despite the additional 15.0 acres, since the proposed recommendation is equal to the claimed amount of 9.60 cfs.

PREPARED BY SCC
ON 11/20/96
FILE(mm:chivers.doc)

A72-10120

DEC 03 1996

R19E

R2

12' 30"

23

35

25

10'

36

450 000 FEET

7.5

T 14 N

T 13 N

UPPER
MCGUIRE
DITCHWARM
SPRING
CREEK

CLAIM A72-10120 INIT
T. R. S. Q/Q
P/D 13N 19E 16 NWSWSE Lot 7
PHOTO OPQ U25
DT.&ID. 7-24-74

Revised POU: 11/20/96 SCC
added 15 Acres
West of Warm Spring Creek

CLAIM NO. A72-10120
DATE DOCUMENT UPDATED
11-20-96
AGENT SCC

DEC 03 1996

AJ0749NP
No. R72-10120

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

DATE: 11/21/96
PAGE: 1

See

DEC 03 1996

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	GARTH T CHIVERS	06/01/1890	IRRIGATION	04-15 10-15	9.60 CFS	
C	GLENIS M CHIVERS					
	HC 63 BOX 1771					
	CHALLIS ID 83226					
	(208) 879-4407					
				TOTAL DIVERSION:	9.60 CFS	

Water Source: SALMON RIVER

Tributary to: SNAKE RIVER

Stage: DECREED

Point(s) of Diversion: T13N R19E S16 Lot07(NWSWE)

CUSTER County

Place of use Legal Description for: IRRIGATION

				NE				NW				SW				SE				
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	SUM
13N	19E	1	:							04-16										16.0
13N	19E	2	:	01-36		02-17														53.0
14N	19E	35	:															18	25	43.0
14N	19E	36	:									19	22	39	13					93.0
TOTAL ACRES																			205.0	

POU County: CUSTER

Other Rights: 72-04222A & 72-00185A

Remarks: QNT USE OF THIS RIGHT WITH RIGHT NOS. 72-04222A & 72-00185A IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 11.02 CFS.

POU1 USE OF THIS RIGHT WITH RIGHT NOS. 72-04222A & 72-00185A IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 205.0 ACRES IN A SINGLE IRRIGATION SEASON.

CON USE OF THIS RIGHT WITH RIGHT NOS. 72-04222A & 72-00185A IS LIMITED TO A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 512.5 AF.

EXP WATER IS DELIVERED THROUGH UPPER MCGOWAN DITCH.
1.00 CFS OF THIS RIGHT IS LIMITED TO USE FOR CONVEYANCE LOSSES IN DELIVERY OF THIS RIGHT.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 72-00239, 72-00242, 72-10235, 72-10506 & 72-04010.

Dates: Exam Made Date: 08/04/1993

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag: D

AJ0749NP
No. R72-10120

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

DATE: 11/21/96
PAGE: 2

DEC 03 1996

=====

Comments: Date: 02/10/1994 User-ID: CLELLAND Subject: COPIED FROM REMARKS
THIS CLAIM COMBINES DECREED RIGHTS 72-00239 AND 72-00240 AND
REPRESENTS A 24% SHARE OF THE UPPER MCGOWEN IRRIGATION DITCH.
CLAIM 72-04178 ALSO DESCRIBES THIS RIGHT. SEE THE ATTACHED COPY
OF THE DECREE FOR SPECIFICS.

THE DECREE GAVE A TOTAL DIVERSION RATE FOR THE DITCH AS 40.0 CFS.
24% IS THEREFORE 9.6 CFS.

Date: 02/10/1994 User-ID: CLELLAND Subject: RECOMMENDATIONS
A DIVERSION RATE OF 0.045 CFS PER ACRE (AVERAGE) AT THE FIELD
HEADGATE IS INCLUDED IN THE RATE OF DIVERSION AS INDICATED BY
THE HUBBLE ANALYSIS REVIEW.
THIS CLAIM OVERLAPS 63 ACRES LISTED IN THE OTHER TWO RIGHTS
72-00185C AND 72-04222A COMPLETELY.
2-15-94 SCC -- CONVEYANCE LOSSES ARE GREATER THAN SHOWN BUT HAVE
BEEN REDUCED TO ALLOW MAXIMUM F.I.R. UNDER THE MEASURED DITCH
CAPACITY.

Date: 02/10/1994 User-ID: CLELLAND Subject: PRESUMPTION
FIRST PRESUMPTION USED TO COMBINE THESE TWO DECREED RIGHTS.

Date: 11/21/1996 User-ID: SCLELLAN Subject: COPIED FROM REMARKS
WATER IS DELIVERED THROUGH UPPER MCGOWAN DITCH.
1.0 CFS OF THIS RIGHT IS LIMITED TO USE FOR CONVEYANCE
LOSSES IN DELIVERY OF THIS RIGHT.

USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 9.60 CFS, A TOTAL COMBINED
ANNUAL CONSUMPTIVE USE VOLUME OF 475 AF, AND TO THE IRRIGATION
OF A COMBINED TOTAL OF 190 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS.: 72-00185C & 72-04222A.

THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 72-00239, 72-0242, 72-10235, 72-10506
& 72-04010.

Date: 11/21/1996 User-ID: SCLELLAN Subject: REVISED POU ACRES
ADDED 15 ACRES TO SHOW LANDS IN POU WEST OF WARM SPRING CREEK.

Audit: 11/21/96 SCLELLAN

R PROOF

~~X~~

CVR

~~X~~

MAPS

~~X~~

PHOTOS

~~X~~

MISC

~~X~~

MICROFILMED

NOV 01 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Presumption Memorandum Status

AGENT STEVE CLELLAND

DATE 2-15-94

CLAIM NUMBER	STAGE	PRESUMPTION CATEGORY			WITHIN A PPU	
		1st	2nd	Accomplished transfer	(YES)	(NO)
<u>A72-10120</u>	<u>D</u>	<u>X</u>				

FIRST PRESUMPTION ISSUES: DATE OF CHANGE IF KNOWN: 4-24-1951 (SINCE DECREE)

RECOMMENDED ACRES WITHIN THE ORIGINAL DECREED P/U: _____

RECOMMENDED ACRES OUTSIDE OF DECREED P/U: _____

Two Decreed rights are combined on a common
place of use. Each Decree has expanded use
onto the other Decreed pon.

net 190 Acres Total

SECOND PRESUMPTION ISSUES: DATE OF CHANGE IF KNOWN: _____

ACCOMPLISHED TRANSFERS: DATE OF CHANGE IF KNOWN: _____

TYPE OF CHANGE: (P/D), (P/U), (N/U), OTHER _____

OVERLAPPING CLAIMS: A72-4222A 63 ACRES _____ ACRES

A72-00185C 63 ACRES _____ ACRES

_____ ACRES _____ ACRES

_____ ACRES _____ ACRES

_____ ACRES _____ ACRES

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NOV 0 1 1994

AJ0749NP
No. R72-10120

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

VERIFIED BY su

DATE: 02/15/94
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	GARTH T CHIVERS	06/01/1890	IRRIGATION	04-15 10-15	9.60 CFS	
C	GLENIS M CHIVERS					
	HC 63 BOX 1771					
	CHALLIS ID 83226					
	(208) 879-4407					
				TOTAL DIVERSION:	9.60 CFS	

Water Source: SALMON RIVER

Tributary to: SNAKE RIVER

Stage: DECREED

Point(s) of Diversion:

T13N R19E S16 Lot07(NWSWSE)

CUSTER County

Place of use Legal Description for: IRRIGATION

				NE				NW				SW				SE						
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	SUM	
13N	19E	1	:																	:	16.0	
13N	19E	2	:	01-36		02-05														:	41.0	
14N	19E	35	:															15	25	:	40.0	
14N	19E	36	:																	:	93.0	
																				TOTAL ACRES		190.0

POU County: CUSTER

Other Rights: 72-04222A & 72-00185C

Remarks: WATER IS DELIVERED THROUGH UPPER MCGOWAN DITCH.
1.0 CFS OF THIS RIGHT IS LIMITED TO USE FOR CONVEYANCE
LOSSES IN DELIVERY OF THIS RIGHT.
USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 9.60 CFS, A TOTAL COMBINED
ANNUAL CONSUMPTIVE USE VOLUME OF 475 AF, AND TO THE IRRIGATION
OF A COMBINED TOTAL OF 190 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS.: 72-00185C & 72-04222A.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 72-00239, 72-0242, 72-10235, 72-10506
& 72-04010.

Dates: Exam Made Date: 08/04/1993 Verified Date: 02/15/1994

Misc: Water District Number: Field Inspection Flag:
Presumption Flag: D

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NOV 01 1994

Comments: Date: 02/10/1994 User-ID: CLELLAND Subject: COPIED FROM REMARKS
THIS CLAIM COMBINES DECREED RIGHTS 72-00239 AND 72-00240 AND
REPRESENTS A 24% SHARE OF THE UPPER MCGOWEN IRRIGATION DITCH.
CLAIM 72-04178 ALSO DESCRIBES THIS RIGHT. SEE THE ATTACHED COPY
OF THE DECREE FOR SPECIFICS.

|
THE DECREE GAVE A TOTAL DIVERSION RATE FOR THE DITCH AS 40.0 CFS.
24% IS THEREFORE 9.6 CFS.

Date: 02/10/1994 User-ID: CLELLAND Subject: RECOMMENDATIONS
A DIVERSION RATE OF 0.045 CFS PER ACRE (AVERAGE) AT THE FIELD
HEADGATE IS INCLUDED IN THE RATE OF DIVERSION AS INDICATED BY
THE HUBBLE ANALYSIS REVIEW.
THIS CLAIM OVERLAPS 63 ACRES LISTED IN THE OTHER TWO RIGHTS
72-00185C AND 72-04222A COMPLETELY.
2-15-94 SCC -- CONVEYANCE LOSSES ARE GREATER THAN SHOWN BUT HAVE
BEEN REDUCED TO ALLOW MAXIMUM F.I.R. UNDER THE MEASURED DITCH
CAPACITY.

Date: 02/10/1994 User-ID: CLELLAND Subject: PRESUMPTION
FIRST PRESUMPTION USED TO COMBINE THESE TWO DECREED RIGHTS.

Audit: 02/15/94 CLELLAND

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:06:03
06/06/92

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A72-10

LAST: ~~SHULL~~
ADDRESS: ~~NA~~
CITY: ~~NA~~
PHONE NUMBER: 208-000-0000
OWNER CODE: 0

FIRST: FRANK
STATE: ID ZIP: 00

LAST: ~~SHULL~~
ADDRESS: ~~NA~~
CITY: ~~NA~~
PHONE NUMBER: 208-000-0000
OWNER CODE: 0

FIRST: FLORENCE ANNABELLE
STATE: ID ZIP: 000

LAST: CHIVERS
ADDRESS: HC 63 BOX 1771
CITY: CHALLIS
PHONE NUMBER: 208-879-4407
OWNER CODE: C

FIRST: GARTH T.
STATE: ID ZIP: 83226

LAST: CHIVERS
ADDRESS: HC 63 BOX 1771
CITY: CHALLIS
PHONE NUMBER: 208-879-4407
OWNER CODE: C

FIRST: GLENIS M.
STATE: ID ZIP: 83226

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

FIELD
EXAMINER

CLAIM REMARKS:

THIS CLAIM COMBINES DECREEED RIGHTS 72-00239 AND 72-00240 AND REPRESENTS A 24% SHARE OF THE UPPER MCGOWEN IRRIGATION DITCH. CLAIM 72-04178 ALSO DESCRIBES THIS RIGHT. SEE THE ATTACHED COPY OF THE DECREE FOR SPECIFICS.

THE DECREE GAVE A TOTAL DIVERSION RATE FOR THE DITCH AS 40.0 CFS. 24% IS THEREFORE 9.6 CFS.

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CONTACT PERSON:

Garth Chivers

DATE OF FIELD EXAM: 8/4/93

APPOINTMENT MADE: Y() N()

PHONE NUMBER: () -

TIME: : A() P()

ACCOMPANIED BY:

PHONE NUMBER: () -

RELATIONSHIP TO CLAIMANT:

DIRECTIONS TO PROPERTY / REMARKS:

Met Mr. Chivers at his home to review his rights.
He was pleasant but irritated by all the government interference in his long standing, historical practices of farming and ranching. He mentioned his rotations will vary due to multiple factors such as weather, river flow, crops, irrigator, etc. Could range 12-20 days he said. (see field Note 8-4-93)

At this point Mr. Chivers decided to tell me no more about his operations, he said it was going to be provided to me or anyone else.

The remaining exam was done from the access roads around his place by myself, alone.

268 ACRES

12-20 days rotation

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NOV 01 1994

CLAIM NUMBER: A72-10120

A. AJ CLAIM: # A72-10120 PRIORITY DATE: 06-01-1890
B. WR RECORD: NO WATER RIGHT RECORD TO MATCH THIS AJ CLAIM

STAGE: D

OK

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER

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

REMARKS: both decrees 72-00239 + 72-00240 same date

RECOMMENDED PRIORITY DATE:

6-1-1890

REVIEWED BY

sa

DATE

2-10-94

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NOV 01 1994

CLAIM NUMBER: A72-10120

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-10120	13N	19E	16	NW	SW	SE	5	CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A72-00239 NONE
A72-00242
A72-04010
A72-10235

WR RECORDS IN SAME 40 ACRE TRACT

72-00238
72-00239
72-00240
72-00241
72-00242
72-00243
72-04036

SOURCE: SALMON RIVER

TRIB: SNAKE RIVER

B. WR POINT OF DIVERSION AND SOURCE:

THERE IS NO WATER RIGHT RECORD WITH THE SAME CLAIM NUMBER

SOURCE: NO SOURCE FOR RECORD

TRIB: NO TRIBUTARY FOR RECORD

C. FIELD EXAM REQUIRED?

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

DATABASE
Y
Y

FIELD
EXAMINER

X

REMARKS:

confirmed change to correct lot # by govt lot.

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NOV 01 1994

CLAIM NUMBER: A72-10120

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	COUNTY
13N	19E	16	NW	SW	SE	7	37

SOURCE:

REVIEWED BY:

Sw

TRIB:

DATE: 2-10-94

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NOV 01 1994

used the following maps for this review:

OPQ U25 date 7-24-74

ASCS PHOTO AA12 #16037-178 c. 1978

BLM AERIAL 10-10C-6, date 7-16-88 (U25NE)

govt Lot maps

Soils map 243-38; based on HAP 441415 dated 9-2-1984

CLAIM NUMBER: A72-10120

A. ROOT WATER RIGHT NUMBERS:

A72-00016
A72-00019A
A72-00019B
A72-00238
A72-00240
A72-04178
A72-10120
A72-10235

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NOV 01 1994

P. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ \$/ACRES	WR \$/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
13N	19E	1	NW	NW	4	CHIVERS, GARTH T.	A72-10120 /40.0	- /	31.0		
			NW	NW	4	JEWITT, GEORGE R.	A72-10093 /	- /			
			NW	NW	4	CHIVERS, GARTH		72-00146 /		16	
			NW	NW	4	GEORGE MC GOWAN CO.		72-00185 /			
			NW	NW	4	SHULL, FRANK		72-00240 /			
			NW	NW	1	WESTERGARD, GOLDEN C.		72-04178 /38.0			
13N	19E	2	NE	NE	1	CHIVERS, GARTH T.	A72-10120 /40.0	- /	35.0		
			NE	NE	1	CHIVERS, GARTH T.	A72-00146A /	- /		36	
			NE	NE	1	CHIVERS, GARTH T.	A72-00185A /20.0	- /			
			NE	NE		CHIVERS, GLENIS M.	A72-04222A /20.0	- /			
			NE	NE	1	GEORGE MC GOWAN CO.		72-00185 /			
			NE	NE	1	SHULL, FRANK		72-00240 /			
			NE	NE	1	WESTERGARD, GOLDEN C.		72-04178 /38.0			
			NE	NE		JOHNSON, LYNN		72-04222 /40.0			
13N	19E	2	NW	NE	2	CHIVERS, GARTH T.	A72-10120 /30.0	- /	33.0		
			NW	NE	2	CHIVERS, GARTH T.	A72-00146A /	- /			
			NW	NE	2	CHIVERS, GARTH T.	A72-00185A /30.0	- /			
			NW	NE		CHIVERS, GLENIS M.	A72-04222A /30.0	- /			
			NW	NE		CHIVERS, GARTH T.	A72-10118 /	- /			
			NW	NE		CHIVERS, GARTH T.	A72-10119 /	- /			
			NW	NE	2	SALMON RIVER HERFORD RANCH	A72-04192C /10.0	- /			
			NW	NE	2	GEORGE MC GOWAN CO.		72-00185 /			
			NW	NE	2	SHULL, FRANK		72-00240 /			
			NW	NE	2	BURSTEDT, FRANK		72-00243 /			
			NW	NE	2	BURSTEDT, FRANK		72-04005 /			
			NW	NE	2	WESTERGARD, GOLDEN C.		72-04178 /37.0			
			NW	NE	2	WESTERGARD, GOLDEN C.		72-04192 /12.0			
			NW	NE		JOHNSON, LYNN		72-04222 /40.0			

not used
across
Warm Spring Creek

CLAIM NUMBER: A72-10120

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
14N	19E	35	SW	SE		CHIVERS, GARTH T.	A72-10120 /25.0	-	/	39.0	15
				SE		HUNT, RYAN N.	A72-04192A /13.0	-	/		
				SE		CHIVERS, GARTH T.	A72-00146A /	-	/		
				SE		CHIVERS, GARTH T.	A72-00185A /25.0	-	/		
				SE		CHIVERS, GLENIS M.	A72-04222A /25.0	-	/		
				SE		CHIVERS, GARTH	-	-	/		
				SE		GEORGE MC GOWAN CO.	-	72-00146	/		
				SE		SHULL, FRANK	-	72-00185	/		
				SE		RIGGS, PAUL, ET. AL.	-	72-00240	/		
				SE		WESTERGARD, GOLDEN C.	-	72-00241	/		
				SE		WESTERGARD, GOLDEN C.	-	72-04178	/26.0		
				SE		WESTERGARD, GOLDEN C.	-	72-04192	/13.0		
				SE		CHIVERS, GARTH T.	A72-10120 /25.0	-	/		
				SE		HUNT, RYAN N.	A72-04192A /13.0	-	/		
14N	19E	35	SE	SE		CHIVERS, GARTH T.	A72-00146A /	-	/	39.0	25
				SE		CHIVERS, GARTH T.	A72-00185A /25.0	-	/		
				SE		CHIVERS, GLENIS M.	A72-04222A /25.0	-	/		
				SE		CHIVERS, GARTH	-	-	/		
				SE		GEORGE MC GOWAN CO.	-	72-00146	/		
				SE		SHULL, FRANK	-	72-00185	/		
				SE		RIGGS, PAUL, ET. AL.	-	72-00240	/		
				SE		WESTERGARD, GOLDEN C.	-	72-00241	/		
				SE		WESTERGARD, GOLDEN C.	-	72-04178	/26.0		
				SE		WESTERGARD, GOLDEN C.	-	72-04192	/13.0		
				NE	SW	CHIVERS, GARTH T.	A72-10120 /23.0	-	/	39.0	19
				NE	SW	HANSEN, CLIFF M.	A72-00239 / 7.0	72-00239	/		
				NE	SW	HANSEN, CLIFF M.	A72-04010 / 7.0	72-04010	/10.0		
				NE	SW	CHALLIS IRRIGATION CO.	A72-07051 /40.0	-	/		
				NE	SW	CHALLIS IRRIGATION CO.	A72-07269 /40.0	-	/		
				NE	SW	CHALLIS IRRIGATION CO.	A72-10325 /40.0	-	/		
				NE	SW	CHIVERS, AMY C.	A72-07280 / 1.0	72-07280	/ 1.0		
				NE	SW	CHALLIS IRRIGATION CO.	A72-10324 /40.0	-	/		
				NE	SW	CHIVERS, GARTH	-	72-00146	/		
				NE	SW	GEORGE MC GOWAN CO.	-	72-00185	/		
				NE	SW	CHIVERS BROTHERS	-	72-00238	/		
				NE	SW	WESTERGARD, GOLDEN C.	-	72-04178	/40.0		
14N	19E	36	NW	SW		CHIVERS, GARTH T.	A72-10120 /30.0	-	/	40.0	22
				SW		HUNT, RYAN N.	A72-04192A / 5.0	-	/		
				SW		CHIVERS, GARTH T.	A72-00185A / 2.0	-	/		
				SW		HANSEN, CLIFF M.	A72-00239 /12.0	72-00239	/		
				SW		HANSEN, CLIFF M.	A72-04010 /12.0	72-04010	/10.0		
				SW		CHIVERS, GARTH	-	72-00146	/		
				SW		GEORGE MC GOWAN CO.	-	72-00185	/		
				SW		CHIVERS BROTHERS	-	72-00238	/		
				SW		RIGGS, PAUL, ET. AL.	-	72-00241	/		
				SW		WESTERGARD, GOLDEN C.	-	72-04178	/37.0		
				SW		WESTERGARD, GOLDEN C.	-	72-04192	/ 5.0		

not used
across
Warm Spr. Cr.

MICROFILMED
NOV 01 1994

CLAIM NUMBER: A72-10120

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
14N	19E	36	SW	SW		CHIVERS, GARTH T.	A72-10120 /40.0	- /	43.0		
			SW	SW		CHIVERS, GARTH T.	A72-00185A / 1.0	- /		39	
			SW	SW		CHIVERS, GARTH		72-00146 /			
			SW	SW		GEORGE MC GOWAN CO.		72-00185 /			
			SW	SW		CHIVERS BROTHERS		72-00238 /			
			SW	SW		RIGGS, PAUL, ET. AL.		72-00241 /			
			SW	SW		WESTERGARD, GOLDEN C.		72-04178 /40.0			
14N	19E	36	SE	SW		CHIVERS, GARTH T.	A72-10120 /15.0	- /	40.0		
			SE	SW		CHIVERS, GARTH T.	A72-10117 /	- /		13	
			SE	SW		MALONE, TED L.	A72-00185B / 2.2	- /			
			SE	SW		CHALLIS IRRIGATION CO.	A72-07051 /40.0	- /			
			SE	SW		CHALLIS IRRIGATION CO.	A72-07269 /40.0	- /			
			SE	SW		CHALLIS IRRIGATION CO.	A72-10325 /40.0	- /			
			SE	SW		CHALLIS IRRIGATION CO.	A72-10324 /40.0	- /			
			SE	SW		CHIVERS, GARTH		72-00146 /			
			SE	SW		GEORGE MC GOWAN CO.		72-00185 /			
			SE	SW		CHIVERS BROTHERS		72-00238 /			
			SE	SW		WESTERGARD, GOLDEN C.		72-04178 /40.0			

TOTAL ACRES A72-10120 268.00 339.00

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y() N()
IF YES SEE ATTACHED SHEET:

190

Same
190

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER
N

POU COUNTY: CUSTER A72-04222A

PRESUMPTION FLAG

B e
D

expansion
of each parcel
to other's pou

REMARKS:

used maps in POU page as stated to confirm
irrigated pou.

* 63 acres of this pou is
overlapped w/ A72-00185A
A72-04222A.

RECOMMENDATIONS:

TOTAL ACRES: 190

REVIEWED BY: [Signature]

DATE: 2-10-94

MICROFILMED

NOV 01 1994

CLAIM NUMBER: A72-10120

A. AJ CLAIMED USES:

A72-10120 PURPOSES
IRRIGATION

MONTH/DAY
FROM 04-01 TO 11-01

4-15 to 10-15

TOTAL DIVERSION RATE/VOLUME CLAIMED

DIVERSION QUANTITY
9.600 CFS

9.600 CFS

B. WR RECORDED USES:

PURPOSES

MONTH/DAY

DIVERSION QUANTITY

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

DATABASE
Y
Y
Y

FIELD
EXAMINER
N
N
Y

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

Y() N(X)

Y(X) N()

Explain in remarks, below.

REMARKS:

std season

MICROFILMED

NOV 01 1994

CLAIM NUMBER: A72-10120

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y(X) N()

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

9.600 CFS
CFS

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

FLOW MEASUREMENT REQUIRED?

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

FIELD
DATABASE EXAMINER
Y N

MICROFILMED
NOV 01 1994

FLOW MEASUREMENT

MEASUREMENT METHOD

Current Meter
@ upper McGowan Dutch

SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: A72-04222A & 72-00185C

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A72-10120	SALMON RIVER	CHIVERS, GARTH T.	9.600	0.035		
A72-00185A	SALMON RIVER	CHIVERS, GARTH T.	10.000	0.097		
A72-00185B	SALMON RIVER	MALONE, TED L.	0.600	0.272		
A72-00239	SALMON RIVER	HANSEN, CLIFF M.	12.930	0.038		
A72-04010	SALMON RIVER	HANSEN, CLIFF M.	14.000	0.041		
A72-04192A	SALMON RIVER	HUNT, RYAN N.	6.190	0.067		
A72-04192C	SALMON RIVER	SALMON RIVER HERFORD RANCH	15.000	0.050		
A72-04222A	WARM SPRING CREEK	CHIVERS, GLENIS M.	4.000	0.040		
A72-07051	SALMON RIVER	CHALLIS IRRIGATION CO.	47.400	0.012		
A72-07269	SALMON RIVER	CHALLIS IRRIGATION CO.	1.200			
A72-07280	GROUNDWATER	CHIVERS, AMY C.	0.070	0.070		
A72-10324	SALMON RIVER	CHALLIS IRRIGATION CO.	52.520	0.013		
A72-10325	SALMON RIVER	CHALLIS IRRIGATION CO.	24.980	0.006		

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A72-10093	DOMESTIC	JEWITT, GEORGE R.	FROM 01-01 TO 12-31	.040 CFS	

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES 190 x 0.02 CFS/ACRE = 3.8 CFS
(Taken from p/u review)

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y(X) N()

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N(X) ***

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 645.0 AE/A

ACRES 190 x CONSUMPTIVE VOL. AE/A FOR AREA 2.5 =
TOTAL CONSUMPTIVE USE 475 AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AE/A

ACRES x DIVERSION VOL. AE/A FOR AREA =
TOTAL DIVERSION VOLUME AE/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

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

1b. CALCULATIONS

Hubble analysis:
see attached sheet

non overlap acres = 6.42 cfs
1274c.

overlap acres = 2.18 cfs
634c.
8.60 cfs (FIR)

8.6 cfs
190 Ac = 0.045 cfs/Ac.

Conveyance losses:
(see attached)

MICROFILMED

NOV 01 1994

CLAIM NUMBER: A72-10120

RECOMMENDATIONS:

REC.
PURPOSES

Irrigation

REC. PERIOD
FROM TO

4-15 10-15

REC. DIV
RATE CES

DATABASE EXAMINER

e

REC. DIV
VOL. AF/A

DATABASE EXAMINER

N/A

REC. CONS.
USE

DATABASE EXAMINER

*Combined
in Remarks*

TOTAL FOR THIS RIGHT

REVIEWED BY:

DATE:

F81

~~E89~~ E12

D82 =

E88

MICROFILMED

NOV 01 1994

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-10120

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
88.130

EXAMINER

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
A72-00239	A72-10120	9.600	-		72-00239	12.930
A72-00240	A72-10120	9.600	-		72-00240	5.200
A72-04178	A72-10120	9.600	-		72-04178	30.000
A72-00243	A72-10235	10.000	-		72-00243	6.000
A72-00241	A72-10235	10.000	-		72-00241	4.000
A72-04178	A72-10235	10.000	-		72-04178	30.000
TOTAL CFS		58.800				88.130

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

REMARKS:

OK - combined total is less, no splits.

MICROFILMED
NOV 01 1994

CLAIM NUMBER: A72-10120

AUTHENTICATION:

SIGNATURE: _____

DATE: _____

NAME OF FIELD EXAMINER: _____

TITLE: _____

MICROFILMED

NOV 01 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:06:03
06/06/94

CLAIM NUMBER: A72-1010

MICROFILMED
NOV 01 1994

WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	DATE WHOM/DATE
PRIORITY DATE	Y		8-4-93 SW	N	6	SW 2-10-94	SW 2-15-94	SW 2-15-94
POINT OF DIV	Y			(Y) HOT	12456			
SOURCE	Y			N				
PLACE OF USE	Y			(Y)	12456			
DIV. AMOUNT CFS/VOLUME	Y			(Y)	5.6			
CONSUMPTIVE USE	-			(Y)				
PURPOSES	Y			N				
PERIOD OF USE	Y			(Y)	6.50			
BASIS OF CLAIM	Y			N				
REMARKS	Y			(Y)	6.			

VERIFIED BY CODES

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

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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

09:05:12
06/06/92

PAGE: 16
PROFILE REPORT

CLAIM NUMBER: A72-10120

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	GARTH T. CHIVERS	06/01/1890	IRRIGATION	04-21-15 10-15-15	9.60 CFS	
C	GLENIS M. CHIVERS HC 63 BOX 1771 CHALLIS ID 83226 (208) 879-4407				9.60 CFS	
				TOTAL DIVERSION: CONSUMPTIVE USE:	9.60 CFS	

Water Source: SALMON RIVER

Tributary to: SNAKE RIVER

Point(s) of Diversion:

T13N R19E S16 Lot 7 (NWSWSE)

Stage: DECREED

CUSTER County

Use of use Legal Description for: IRRIGATION

				NE				NW				SW				SE				SUM
T	R	S		NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
				Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	
13N	19E	1	:																	40.0
13N	19E	2	:	01-40		02-20				04-40										20.0
14N	19E	35	:	36		5														50.0
14N	19E	36	:																	100.0
																				190.0
																				190

POU County: CUSTER

Other Rights: 72-04222A & 72-00185C

Remarks: THIS CLAIM COMBINES DECREED RIGHTS 72-00239 AND 72-00240 AND REPRESENTS A 24% SHARE OF THE UPPER MCGOWEN IRRIGATION DITCH. CLAIM 72-04178 ALSO DESCRIBES THIS RIGHT. SEE THE ATTACHED COPY OF THE DECREE FOR SPECIFICS.
THE DECREE GAVE A TOTAL DIVERSION RATE FOR THE DITCH AS 40.0 CFS. 24% IS THEREFORE 9.6 CFS.

more comments

Dates: Exam Made Date: 8-4-93

Verified Date: 12/09/1985

Misc: Water District Number:

Field Inspection Flag: 4
Presumption Flag: (D)

F01
D02 = 1.0 ds
E08
E12

sw
2-15-94

Comment:
1) Riid
2) Presumption

sw
2-10-94

MICROFILMED
NOV 01 1994

NOV 01 1994

MICROFILMED

* Check on
Westergaard
claim to
WSC for Stock

Field Notes

200'

8-4-93 gcu

Re:
Conversation
w/
Garth Chivers

Check
Lane on
SW corner
w/30 Acres

POOR ORIGINAL

Write down:
Variables occurring on
the irrigation system
- weather
- help
- season
- River
- patches

CLAIMED
—Pou
268 Ac.

CLAIM 472-10/20 INIT
T. R. S. Q/Q
P/D
PHOTO 425
DT. & ID. 7-24-74

MICROFILMED
NOV 01 1974

SALMON RIVER

T 13 N

T 14 N

POOP ORIGINAL

Reserve
ownership?

FOUND SOME
POU
BY EXAM
SC 8-4-75

4.4 CFS
DECRE 72-00238
(108 Ac)

R 19 E

36

36

CLAIMED
Pou
268 Ac.

UPPER
McGowan
DITCH

UPPER
McGowan
DITCH

WARM-
SPRINGS
CE.

2

DECRE
72-00240
(160
Ac)

5.2 CFS

40

40

40

40

40

40

40

40

40

40

40

40

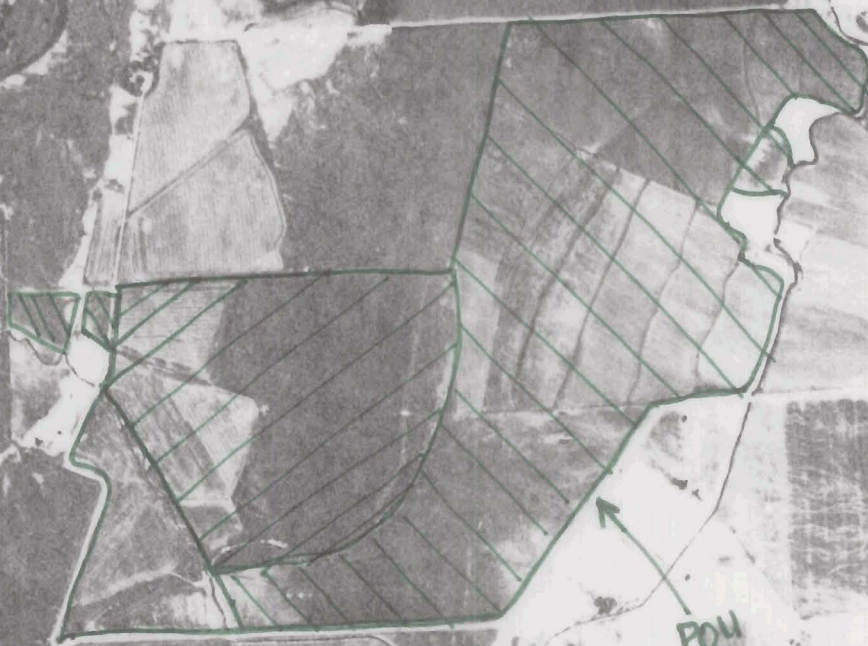
40

40

40

BLM

24 ID 88AC



POW

POOR ORIGINAL

CLAIM A72-10120 INIT _____
T. R. S. Q/Q

P/D _____
PHOTO BLM Aerial 10-10C-6
DT. & ID. 7-1688 U 25 (NE)

MICROFILMED

NOV 01 1994

2. 25 26 27 28 29 30 31 32 33 34 35 36

35/36
2 | 1

POOR ORIGINAL

CHIVERS
POW

R.E. DAVIS

MICROFILMED
NOV 10 1984

MRS. H.C.

F. MOL

R.E.P.
T.P.

CLAIM A72-10120 INIT 36
T. R. S. Q/Q
P/D ASCS AA-12
PHOTO AA-12
DT. & ID. 16037-178 c. 1978

2-10-94
2/24

Review Notes
of A72-10120
A72-04222A
A72-00185A

10120
Upper MD

190 Ac.

63 Ac
Overlap
w/-4222A
-185B

Wvl	2Ac.	0.14 cfs
Td1	27Ac.	0.54
Tcl	34	1.50
<u>63 Ac.</u>		<u>2.18 cfs</u>

CHA	6.5 Ac.	0.44 cfs	(127 Ac) No overlap
DWA	36.5 Ac.	2.48 cfs	
Td1	2 Ac.	0.04	
Tcl	25 Ac.	0.95	
Tcl	57 Ac.	2.51	
<u>127 Ac.</u>		<u>6.42 cfs</u>	

2.18
+ 6.42
8.60 cfs

4222A
Lower MD 78 Ac.

Wvl	3 Ac.	0.20 cfs
Wb2	12 Ac.	0.59
<u>15</u>		<u>= 0.79</u>

(No Overlap)

Wvl	2 Ac.	0.14 cfs
~~Wvl 3 Ac.~~		
Td1	27 Ac.	0.54
Tcl	34	1.50

(63 overlap
w/-185B
-10120)

<u>63 Ac.</u>	<u>2.18 cfs</u>	Total <u>78 Ac</u>
---------------	-----------------	-----------------------

185A WSC 63 Ac.

(all overlapped
by 4222A
10120)

Wvl	2 Ac.	0.14 cfs
Td1	27 Ac.	0.54
Tcl	34	1.50
<u>63 Ac.</u>		<u>2.18 cfs</u>

MICROFILMED

NOV 01 1994

A72-10120

RI9E

HUBBLE ANALYSIS
REVIEW:

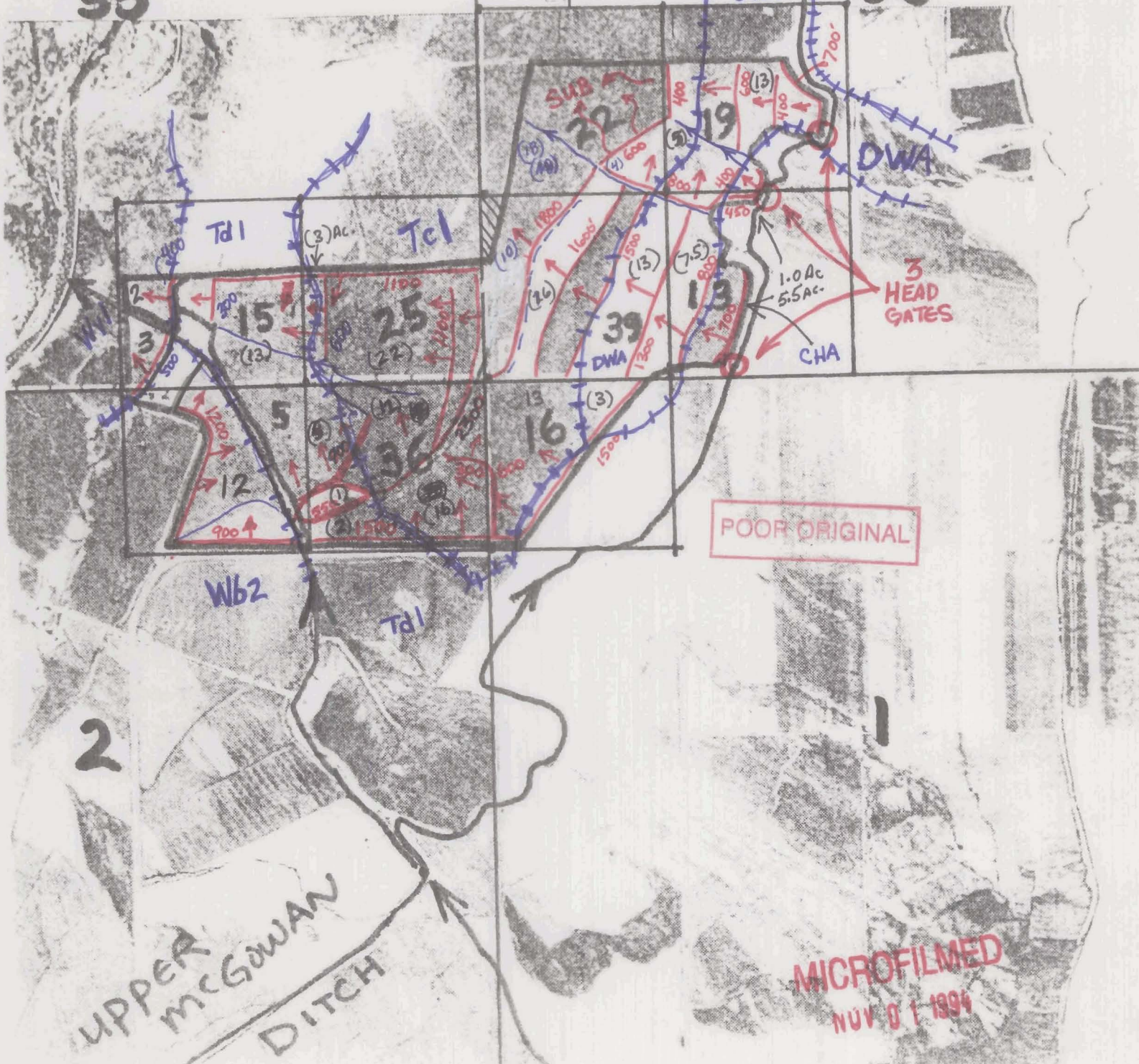
SCC 2-10-94

+++ SOIL TYPE BOUNDARIES

	WV1	WB2	Td1	Tc1	DWA	CHA
205 Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	<5.5 Ac. > 6.5 Ac. 1.0 Ac.
190 Ac =	2	Ø	2+27	34+82	36.5	6.5
78 Ac. =	3+2	12	27	34	Ø	Ø
63 Ac. =	2	Ø	27	34	Ø	Ø

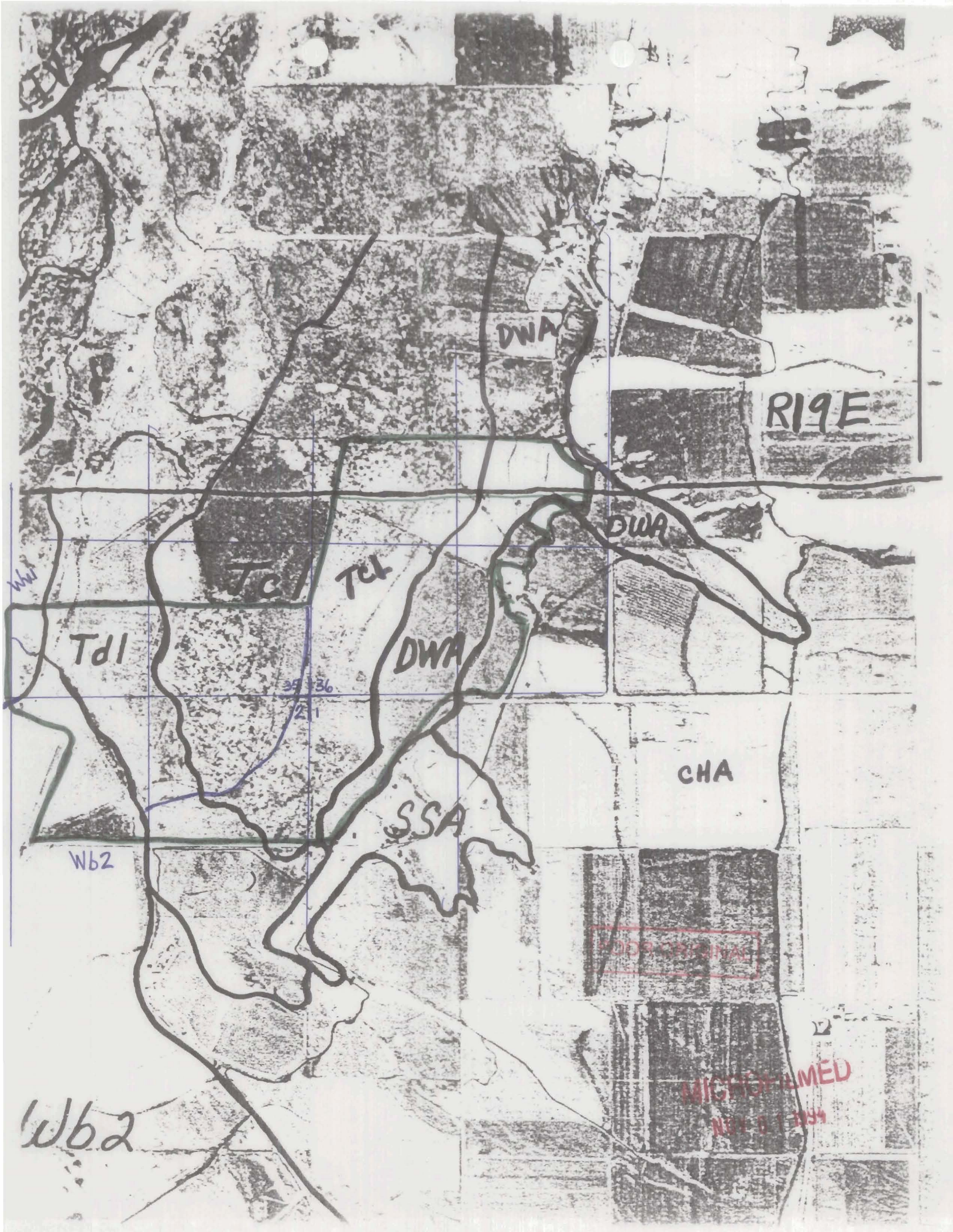
35

36



POOR ORIGINAL

MICROFILMED
NOV 01 1994



DWA

R19E

DWA

Tcl

Tcl

Tdl

DWA

35 36
21

CHA

SSA

Wb2

DOOR ORIGINAL

MICROFILMED
NOV 8 1994

Wb2

BLM

24 ID

3040

Warm Springs Cr. pon

Lower McGowan

Upper McGowan

Headgate

Head Gate

POOR ORIGINAL

MICROFILMED
NOV 01 1994

The Following pages review:

DWA soils under
Upper McGowan Ditch only.

DWA-UMD

SW
2-10-94

DWA (um D)

alb.

4600' w.

5
13
13
7.5

38.5 Ac.

MICROFILMED
NOV 01 1994

A72-10120

DWA-UMD

GRADED BORDER EVALUATION

Job name: A72-10120
By: SCC

Location: DWA SOIL 38.5 AC ALF
Date: Feb 10, 1994

Roughness coefficient (n) = 0.150 Intake family (If) = 3.00
Slope (S) = 0.0200 ft/ft Border width (W) = 110 ft
Net application (Fn) = 1.91 inches Border length (L) = 365 ft
Inflow time (Ti) = 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
2.59		Gross depth is less than required gross application depth				
2.60		Gross depth is less than required gross application depth				
2.61		Gross depth is less than required gross application depth				
2.62		Gross depth is less than required gross application depth				
2.63	0.024	22.64	20.64	0.08	8.4	
2.64	0.024	22.72	20.64	0.17	8.4	
2.65	0.024	22.81	20.64	0.26	8.4	
2.66	0.024	22.90	20.64	0.34	8.3	
2.67	0.024	22.98	20.64	0.43	8.3	
2.68	0.024	23.07	20.64	0.51	8.3	
2.69	0.024	23.15	20.64	0.60	8.2	
2.70	0.025	23.24	20.64	0.69	8.2	
2.71	0.025	23.33	20.64	0.77	8.2	

Parcel is main initial strip below
Upper McGowan Ditch in S.36 NESW and
on the 1/4 line of SWSW + SESW.

(5 acres of this calculation are of the soil type
Tcl and uses less water than this.)

$$\frac{2.63 \text{ cfs}}{38.5 \text{ Ac}} = 0.068 \text{ cfs}$$

acre adjustment:

5 acres add to Tcl soil rates
(in SWNESW S-36)
3 ~~acres~~ not included in Calc.
(in S.1 NEWNW)
- 2 Ac. (Net Ac. change)

$$36.5 \text{ Ac.} \times 0.068 \text{ cfs/Ac} =$$

POOR ORIGINAL

2.48 cfs
MICROFILMED
NOV 01 1994

DWA-UMD

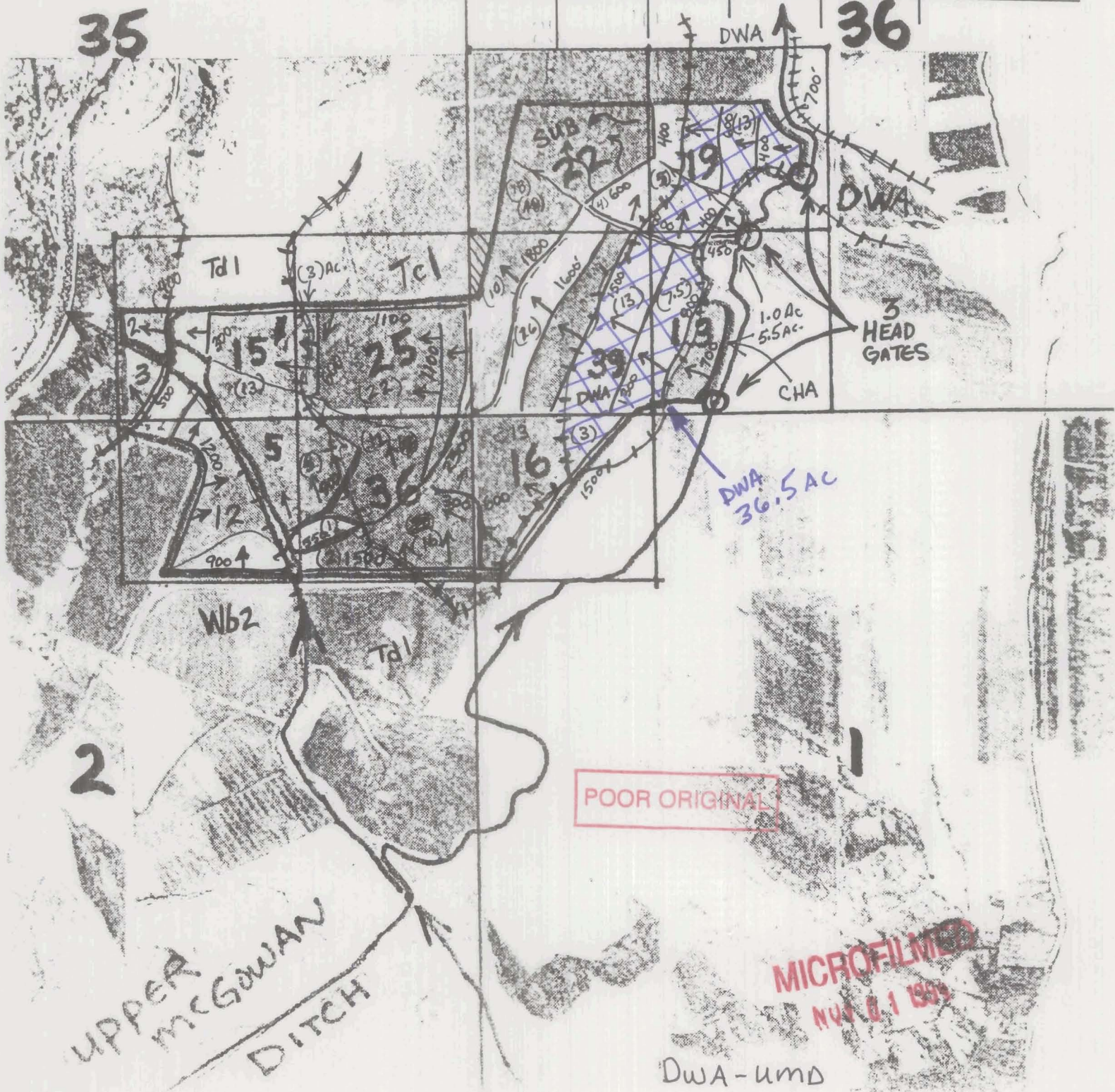
HUBBLE ANALYSIS REVIEW:

R19E

DWA
36.5Ac

++++ SOIL TYPE BOUNDARIES

	WV1	Wb2	Td1	Tc1	DWA	CHA
205Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	<5.5 Ac. 1.0 Ac.> 6.5 Ac.
A72-10120						
A72-00185A						
A72-04222A						



CLAIM NO. --- A72-10120
 AGENT ----- SCC
 DATE ----- 02/10/94

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

 SOIL CHARACTERISTICS

=====

Soil Type = DWA ZER... GRAVELLY LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (inches)	AWC (inches)	intake family
lower	upper	lower	upper	lower	upper	lower	upper			
0	5	0.11	0.16	7.4	8.4	1	2	1	1.55	flood
5	24	0.1	0.15	7.4	9			2	1.68	3
14	26	0.03	0.08	7.9	9			3	2.86	
26	60	0.03	0.05	7.9	9			4	3.34	alternate
								5	3.82	method
										NA
										NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD
alfalfa (hay or seed)	5	0.5	1.91
corn (field or silage)	4	0.5	1.67
grain (winter or spring)	4	0.5	1.67
pasture (or grass hay)	3	0.5	1.43
other (enter below)			

=====

FIELD NOTES AND CALCULATIONS

	FIELD 1	FIELD 2	FIELD 3	FIELD 4
FIELD WIDTH	4600	0		
IRRIGATION DAYS	14			
DRY DAYS	0			
SET TIME(hours)	8			
CALCULATED RUN (run = acres*43560/width)				
RUN =	365			
CALCULATED BORDER WIDTH (ditch length/irr days * cha				
WIDTH =	110			
THEORETICAL ROTATION (mad/net irr req in inches per				
SELECTED MAD =	1.91			
ROTATION =	7.8 DAYS			

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)							
				mar	apr	may	jun	jul	aug	sep	oct
PASTURE		FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	38.5	FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 38.5

1.28 4.51 5.65 6.25 4.45 2.52 0.70

Peak Net Irrigation Requirement (mm/day) = 6.25

Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
 HUBBLE ENGINEERING INC. OCTOBER 1991

Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES

Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

MICROFILMED
 NOV 01 1994

DWA - UMD

The following pages review:

CHA soils under
Upper McGowan Ditch only.

CHA - UMD

See
2-10-94

CHA
6.5 Ac
1150' w.
Aly.

MICROFILMED
NOV 01 1994

GRADED BORDER EVALUATION

Job name: A72-10120

Location: CHA SOIL 6.5 AC ALF

By: SCC

Date: Feb 10, 1994

Roughness coefficient (n)= 0.150

Intake family (If)=3.00

Slope (S)= 0.0200 ft/ft

Border width (W)= 27 ft

Net application (Fn)= 1.83 inches

Border length (L)= 246 ft

Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
0.39	Gross depth is less than required gross application depth					
0.40	Gross depth is less than required gross application depth					
0.41	Gross depth is less than required gross application depth					
0.42	Gross depth is less than required gross application depth					
0.43	Gross depth is less than required gross application depth					
0.44	0.016	22.89	20.72	0.34	8.0	
0.45	0.017	23.41	20.72	0.86	7.8	
0.46	0.017	23.93	20.72	1.38	7.6	
0.47	0.017	24.46	20.72	1.90	7.5	
0.48	0.018	24.98	20.72	2.42	7.3	
0.49	0.018	25.50	20.72	2.94	7.2	
0.50	0.019	26.02	20.72	3.46	7.0	

parcel is two small pieces, one is North of Chivers House & shop yard and the 5.5 Ac piece lies south of Chivers House.

$$\frac{0.44 \text{ cfs}}{6.5 \text{ Ac}} = 0.0677 \text{ cfs/Ac}$$

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NOV 01 1994

CHA-umg

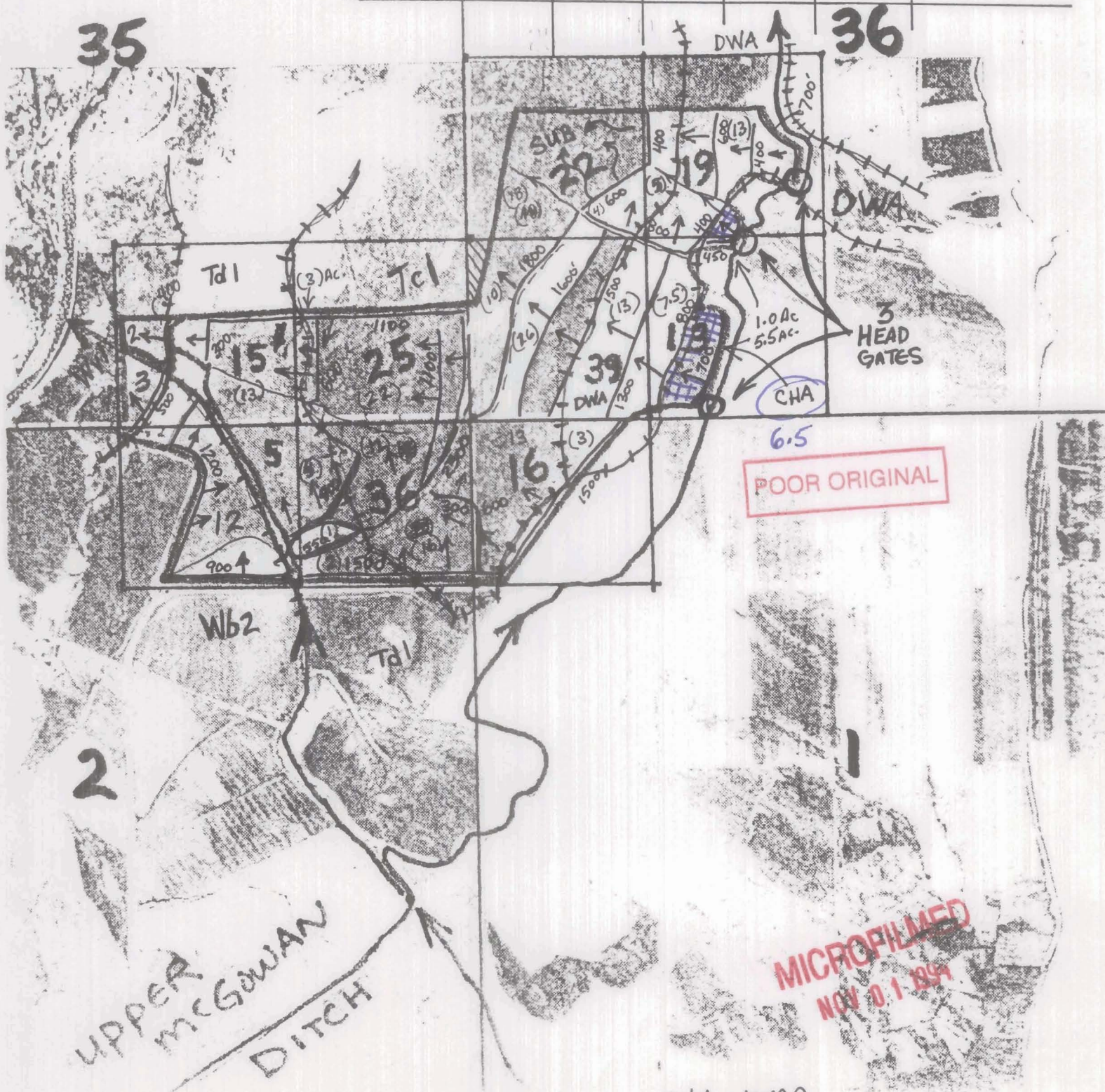
HUBBLE ANALYSIS REVIEW:

RI9E

++++ SOIL TYPE BOUNDARIES

	WV1	Wb2	Td1	Tc1	DWA	CHA
205Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	<5.5 Ac. / 1.0 AC> 6.5 Ac.
A72-10120						
A72-00185A						
A72-04222A						

CHA
6.5 Ac.



CHA - umd

CLAIM NO. --- A72-10120 Lotus Program:
 AGENT ----- SCC IRR-PRAC.WK3
 DATE ----- 02/10/94 Date form revised:
 4/21/93 by KKC

 SOIL CHARACTERISTICS

=====

Soil Type = CHA SNOWSLIDE... VERY GRAVELLY LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (inches)	AWC (inches)	intake family
lower	upper	lower	upper	lower	upper	lower	upper	(ft)		
0	3	0.09	0.11	7.9	8.4	0	1	1	1.20	flood 3
3	21	0.09	0.11	7.9	8.4			2	1.30	furrow 0.7
21	60	0.03	0.05	7.4	8.4			3	2.70	
								4	3.18	alternate
								5	3.66	method
										NA NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (INCHES)	FIELD NOTES AND CALCULATIONS				
				FIELD 1	FIELD 2	FIELD 3	FIELD 4	
				FIELD WIDTH	1150	0		
				IRRIGATION DAYS	14			
				DRY DAYS	0			
				SET TIME(hours)	8			
				CALCULATED RUN (run = acres*43560/width)				
				RUN =	246			
				CALCULATED BORDER WIDTH (ditch length/irr days * cha				
				WIDTH =	27			
				THEORETICAL ROTATION (mad/net irr req in inches per				
				SELECTED MAD =	1.83			
				ROTATION =	7.4 DAYS			

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)							
				mar	apr	may	jun	jul	aug	sep	oct
PASTURE		FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	6.5	FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 6.5 1.28 4.51 5.65 6.25 4.45 2.52 0.70

Peak Net Irrigation Requirement (mm/day) = 6.25

Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
 HUBBLE ENGINEERING INC. OCTOBER 1991

Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES

Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

MICROFILMED
 NOV 01 1994

CHA-umd

The following pages review:

WV1 soils

2 Acres under 3 Combined Sources

3 acres under Lower McGowan Ditch

WV1 - Comb

WV1

SAC.

PAST

900' w.

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NOV 01 1994

A72-10120

WV1-Comb

GRADED BORDER EVALUATION

Job name: A72-10120
By: SCC

Location: WV1 SOIL 5 AC PAST
Date: Feb 10, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=3.00
Slope (S)= 0.0100 ft/ft Border width (W)= 21 ft
Net application (Fn)= 3.24 inches Border length (L)= 242 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
0.30		Gross depth is less than required gross application depth				
0.31		Gross depth is less than required gross application depth				
0.32		Gross depth is less than required gross application depth				
0.33		Gross depth is less than required gross application depth				
0.34	0.016	23.12	19.34	0.55	14.0	
0.35	0.017	23.80	19.34	1.23	13.6	
0.36	0.017	24.48	19.34	1.91	13.2	
0.37	0.018	25.16	19.34	2.59	12.9	
0.38	0.018	25.84	19.34	3.27	12.5	
0.39	0.019	26.52	19.34	3.95	12.2	

This pou is 2 parts:

2 Ac NE of Warm Spring Cr. channel
served by all 3 sources.

3 Ac. SW of WSC channel only served
by Lower McGowan Ditch.

$$(X 3A) = 0.20 \text{ cfs}$$

$$\frac{0.34 \text{ cfs}}{5 \text{ Ac}} = 0.068 \text{ cfs/Ac.}$$

$$(X 2A.) = 0.14 \text{ cfs}$$

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WV/-comb

RI9E

HUBBLE ANALYSIS
REVIEW:

+++ SOIL TYPE BOUNDARIES

	Wv1	Wb2	Td1	Tc1	DWA	CHA
205Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	<5.5 Ac. > 6.5 Ac. 1.0 Ac.
A72-10120						
A72-00185B						
A72-04222A						

Wv1 2 Ac.

35

36



CLAIM NO. --- A72-10120
 AGENT ----- SCC
 DATE ----- 02/10/94

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

 SOIL CHARACTERISTICS

Soil Type = WV1 WISKISPRINGS SILT LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (inches)	AWC (inches)	intake family	
lower	upper	lower	upper	lower	upper	lower	upper	(ft)		flood	furrow
0	8	0.17	0.19	6.6	7.3	2	3	1	2.16	3	0.7
8	49	0.17	0.19	6.6	7.3			2	2.34		
49	54	0.13	0.14	6.6	7.8			3	6.48		
54	60	0.03	0.04	6.6	7.8			4	8.64	alternate	
								5	9.70	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (INCHES)
alfalfa (hay or seed)	5	0.5	4.85
corn (field or silage)	4	0.5	4.32
grain (winter or spring)	4	0.5	4.32
pasture (or grass hay)	3	0.5	3.24
other (enter below)			

=====

FIELD NOTES AND CALCULATIONS				
	FIELD 1	FIELD 2	FIELD 3	FIELD 4
FIELD WIDTH	900	0		
IRRIGATION DAYS	14			
DRY DAYS	0			
SET TIME(hours)	8			
CALCULATED RUN (run = acres*43560/width)				
RUN =	242			
CALCULATED BORDER WIDTH (ditch length/irr days * cha				
WIDTH =	21			
THEORETICAL ROTATION (mad/net irr req in inches per				
SELECTED MAD =	3.24			
ROTATION =	14.0 DAYS			

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

		recomm.	Net Irrigation Requirement (mm/day)							
crop	acres system	eff.	mar	apr	may	jun	jul	aug	sep	oct
PASTURE	5 FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 5 14 1.47 3.84 4.87 5.86 4.56 3.23 2.07
 Peak Net Irrigation Requirement (mm/day) = 5.86

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

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wv1 - Comb.

The following pages review:

Td1 soils under combined Sources
of A72-10120 upper McGowan Ditch
A72-04222A Warm Spring Creek
A72-00185A Lower McGowan Ditch

Td1 - Comb

See
2-10-94

Td1

23 Ac
+3

26
+3

29 Ac
1800' w.
aly.
(+1 sharpie
+2 ac. from
um D.)

MICROFILMED
NOV 01 1994

A72-10120

Td1 - Comb

GRADED BORDER EVALUATION

Job name: A72-10120
By: SCC

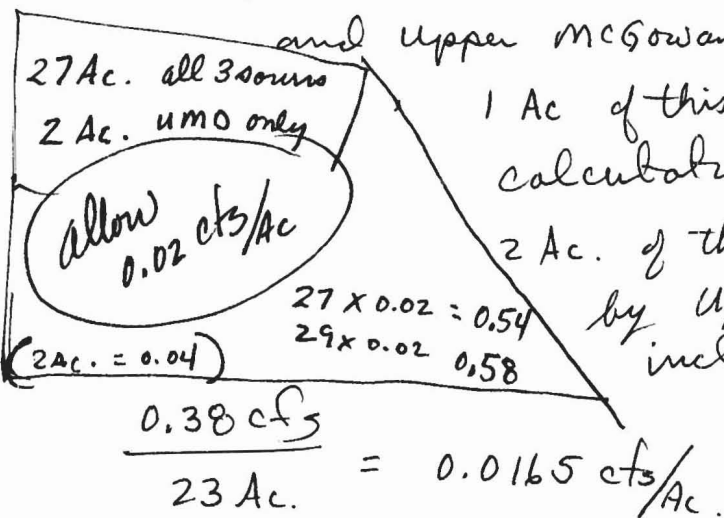
Location: TD1 SOIL 23 AC ALF
Date: Feb 10, 1994

Roughness coefficient (n) = 0.150 Intake family (If) = 1.00
Slope (S) = 0.0150 ft/ft Border width (W) = 25 ft
Net application (Fn) = 5.90 inches Border length (L) = 557 ft
Inflow time (Ti) = 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
0.29	Gross depth is less than required	gross application depth				
0.30	Gross depth is less than required	gross application depth				
0.31	Gross depth is less than required	gross application depth				
0.32	Gross depth is less than required	gross application depth				
0.33	Gross depth is less than required	gross application depth				
0.34	Gross depth is less than required	gross application depth				
0.35	Gross depth is less than required	gross application depth				
0.36	Gross depth is less than required	gross application depth				
0.38	0.015	9.43	3.32	0.21	62.6	(4)
0.39	0.016	9.68	3.32	0.46	61.0	(4)
0.40	0.016	9.93	3.32	0.70	59.4	(4)

(4) Less than minimum recommended depth of flow.

This pou is just east of Warm Spring Creek
and covers about 600-700 ft strip parallel to the stream.
sources include Lower McGowan ditch, Warm Spring Creek,
and Upper McGowan Ditch



1 Ac of this soil type was not included in the
calculations shown above.

2 Ac. of this soil type can only be delivered
by Upper McGowan Ditch, also not
included above.

26 Ac total
= 0.43 cfs

adj. 3 Acres

$29 \times 0.0165 = 0.48 \text{ cfs}$

** < note rate is less than 1" / Ac. >

TD1-Comb

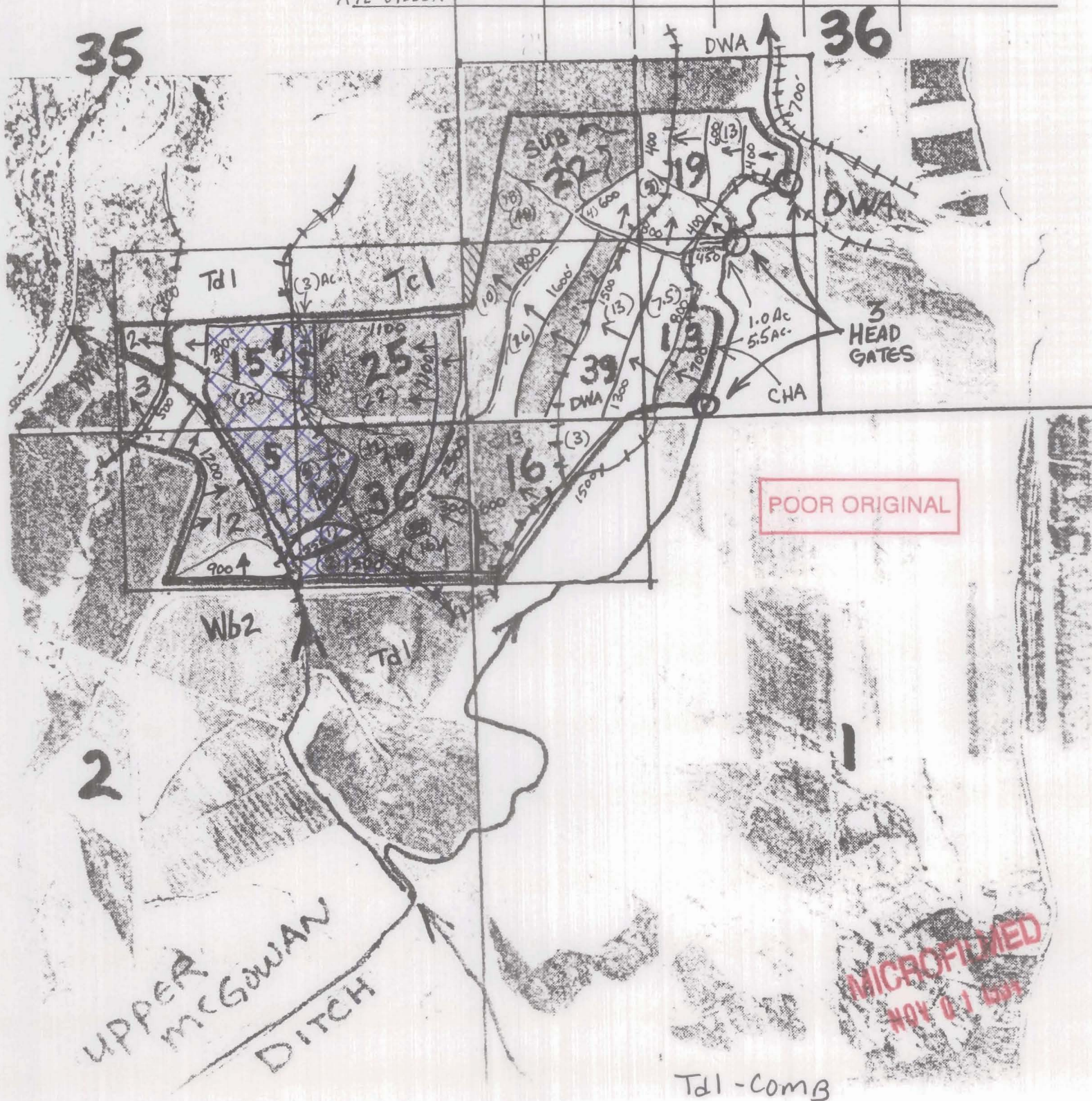
R19E

$$^{205}\text{Ac} =$$

A72-00185A

A72-04222A

WV1	Wb2	Td1	Tc1	DWA	CHA
5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	$\left\langle \begin{matrix} 5.5 \text{ Ac.} \\ 1.0 \text{ Ac.} \end{matrix} \right\rangle 6.5 \text{ Ac.}$



CLAIM NO. --- A7210120
 AGENT ----- SCC
 DATE ----- 02/10/94

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

 SOIL CHARACTERISTICS

Soil Type = TD1 BIGRANT... SILT LOAM W/ SOME CLAY
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)	intake family	
lower	upper	lower	upper	lower	upper	lower	upper			flood	furrow
0	19	0.19	0.21	7.9	9	2	4	1	2.40	1	0.4
19	29	0.18	0.21	7.4	9			2	2.60		
29	60	0.18	0.21	7.4	7.8			3	7.12		
								4	9.46	alternate	
								5	11.79	method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (INCHES)	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
				FIELD WIDTH	1800	0	
				IRRIGATION DAYS	24		
				DRY DAYS	0		
				SET TIME(hours)	8		
				CALCULATED RUN (run = acres*43560/width)			
				RUN =	557		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	25		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	5.9		
				ROTATION =	24.0 DAYS		

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)							
				mar	apr	may	jun	jul	aug	sep	oct
PASTURE		FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	23	FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary 23 1.28 4.51 5.65 6.25 4.45 2.52 0.70
 Peak Net Irrigation Requirement (mm/day) = 6.25

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

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T21-Comb

The following pages review:

TCI soils under combined sources
of A72-10120 upper McGowan Ditch
A72-04222A Warm Spring Creek
A72-00185A Lower McGowan Ditch

TCI - Comb

See
2-10-94

TCI

34 Ac.

3400' w.

Past

(LMD
WSC
uMD)

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NOV 01 1994

A72-10120

TCI - Comb

CLAIM NO. --- A72-10120
 AGENT ----- SCC
 DATE ----- 02/10/94

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

 SOIL CHARACTERISTICS

Soil Type = TC1 THOSAND... SILT LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (inches) (ft)		AWC (inches)		intake family	
lower	upper	lower	upper	lower	upper	lower	upper					flood	furrow
0	5	0.18	0.2	7.4	7.8	2	3	1	2.14			1.5	0.5
5	22	0.14	0.2	7.4	8.4			2	2.31				
22	39	0.09	0.17	7.4	8.4			3	5.66				
39	44	0.07	0.12	7.4	8.4			4	6.67			alternate	
44	60	0.03	0.04	7.4	8.4			5	7.08			method	
												NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS			
				FIELD 1	FIELD 2	FIELD 3	FIELD 4
				FIELD WIDTH	3400	0	
				IRRIGATION DAYS	12.3		
				DRY DAYS	0		
				SET TIME(hours)	8		
				CALCULATED RUN (run = acres*43560/width)			
				RUN =	436		
				CALCULATED BORDER WIDTH (ditch length/irr days * cha			
				WIDTH =	92		
				THEORETICAL ROTATION (mad/net irr req in inches per			
				SELECTED MAD =	2.83		
				ROTATION =	12.3 DAYS		

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)							
				mar	apr	may	jun	jul	aug	sep	oct
PASTURE	34	FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA		FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary	34		14		1.47	3.84	4.87	5.86	4.56	3.23	2.07
Peak Net Irrigation Requirement (mm/day) =					5.86						

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

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 NOV 01 1994

Tc1- Comb

GRADED BORDER EVALUATION

Job name: A72-10120
By: SCC

Location: TC1 SOIL 34 AC PAST
Date: Feb 10, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=1.50
Slope (S)= 0.0150 ft/ft Border width (W)= 92 ft
Net application (Fn)= 2.83 inches Border length (L)= 436 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
1.40		Gross depth is less than required	gross application depth			
1.41		Gross depth is less than required	gross application depth			
1.42		Gross depth is less than required	gross application depth			
1.43		Gross depth is less than required	gross application depth			
1.44		Gross depth is less than required	gross application depth			
1.45		Gross depth is less than required	gross application depth			
1.46		Gross depth is less than required	gross application depth			
1.47		Gross depth is less than required	gross application depth			
1.48		Gross depth is less than required	gross application depth			
1.49		Gross depth is less than required	gross application depth			
1.50	0.016	12.92	10.09	0.00	21.9	
1.51	0.016	13.01	10.09	0.09	21.8	
1.52	0.017	13.10	10.09	0.17	21.6	
1.53	0.017	13.18	10.09	0.26	21.5	
1.54	0.017	13.27	10.09	0.35	21.3	
1.55	0.017	13.35	10.09	0.43	21.2	

*this parcel is on the line between S.35 SESE
and S.02 NENE. It is a sub irrigating
pasture served by all 3 sources of water rights.*

$$\frac{1.50 \text{ cfs}}{34 \text{ Ac}} = 0.044 \text{ cfs/Ac.}$$

MICROFILMED
NOV 01 1994

TC1-COMB

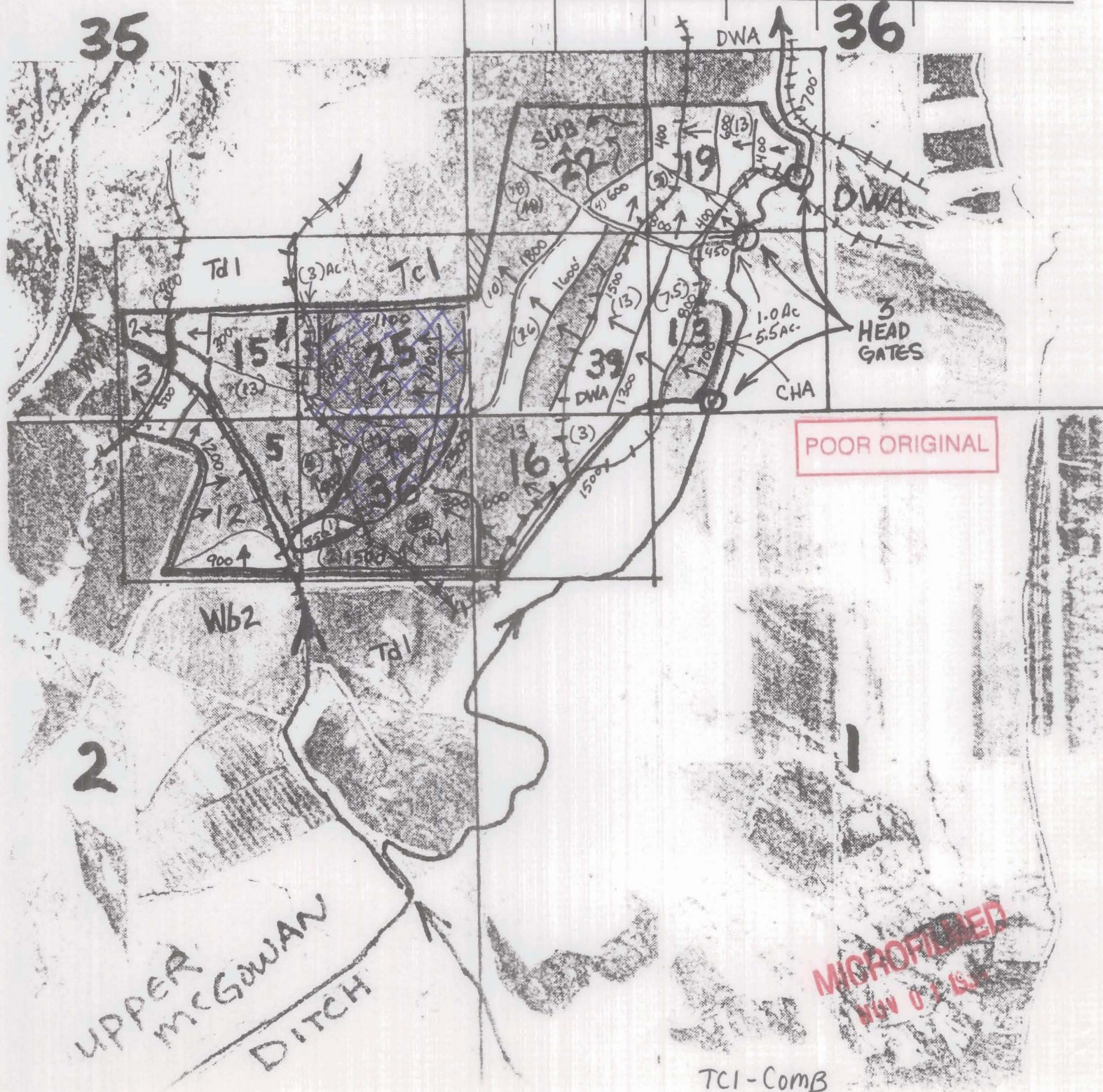
HUBBLE ANALYSIS REVIEW:

R19E

++++ SOIL TYPE BOUNDARIES

	WV1	Wb2	Td1	Tc1	DWA	CHA
205Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	<5.5 Ac. 1.0 Ac.> 6.5 Ac.
A72-10120						
A72-00185A						
A72-04222A						

Tc1
34Ac.



the following ~~7~~ pages review

TCI soils under Upper McGowan
Source only:

TCI-UMD

See
2-10-94

TCI

(UMD
only)

(82) 84 Ac.

10 200' w.

18
10
13
16
2

past ~~82~~
59 Ac. + 2 Ac.
(from DWA)
6700 ft w.
(57 Ac.)

all. ← (5 Ac. in in DWA sup)
20 Ac.
3500
(25)

MICROFILMED
NOV 01 1994

A72-10120

TCI-UMD

CLAIM NO. --- A72-10120
 AGENT ----- SCC
 DATE ----- 02/10/94

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

 SOIL CHARACTERISTICS

Soil Type = TC1 THOSAND... SILT LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (inches)	AWC (inches)	intake family
lower	upper	lower	upper	lower	upper	lower	upper			
0	5	0.18	0.2	7.4	7.8	2	3	1	2.14	flood
5	22	0.14	0.2	7.4	8.4			2	2.31	1.5
22	39	0.09	0.17	7.4	8.4			3	5.66	0.5
39	44	0.07	0.12	7.4	8.4			4	6.67	
44	60	0.03	0.04	7.4	8.4			5	7.08	alternate method
										NA
										NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD
alfalfa (hay or seed)	5	0.5	3.54
corn (field or silage)	4	0.5	3.33
grain (winter or spring)	4	0.5	3.33
pasture (or grass hay)	3	0.5	2.83
other (enter below)			

=====

FIELD NOTES AND CALCULATIONS

	FIELD 1	FIELD 2	FIELD 3	FIELD 4
FIELD WIDTH	6700	0		
IRRIGATION DAYS	12.3			
DRY DAYS	0			
SET TIME(hours)	8			
CALCULATED RUN (run = acres*43560/width)				
RUN =	403			
CALCULATED BORDER WIDTH (ditch length/irr days * cha				
WIDTH =	182			
THEORETICAL ROTATION (mad/net irr req in inches per				
SELECTED MAD =	2.83			
ROTATION =	12.3 DAYS			

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	mar	Net Irrigation Requirement (mm/day)	apr	may	jun	jul	aug	sep	oct
PASTURE	62	FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07	
ALFALFA		FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7	

Summary 62 14 1.47 3.84 4.87 5.86 4.56 3.23 2.07
 Peak Net Irrigation Requirement (mm/day) = 5.86

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

MICROFILMED
 NOV 01 1994

TC1-ump

GRADED BORDER EVALUATION

Job name:
By: SCC

A72-10120

Location: TC1 SOIL 62 AC PAST
Date: Feb 10, 1994

Roughness coefficient (n)= 0.250 Intake family (If)=1.50
Slope (S)= 0.0150 ft/ft Border width (W)= 182 ft
Net application (Fn)= 2.83 inches Border length (L)= 403 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
2.69		Gross depth is less than required gross application depth				
2.70		Gross depth is less than required gross application depth				
2.71		Gross depth is less than required gross application depth				
2.72		Gross depth is less than required gross application depth				
2.73		Gross depth is less than required gross application depth				
2.74		Gross depth is less than required gross application depth				
2.75	0.015	12.96	10.09	0.03	21.8	
2.76	0.015	13.00	10.09	0.08	21.8	
2.77	0.015	13.05	10.09	0.13	21.7	
2.78	0.015	13.10	10.09	0.18	21.6	
2.79	0.015	13.15	10.09	0.22	21.5	
2.80	0.015	13.19	10.09	0.27	21.5	
2.81	0.015	13.24	10.09	0.32	21.4	

this plot is pasture lands, some areas are sub
irrigated; part in S.36 NWSW and part in
S.02 NENE and S.01 NWNW; and in West edge of S.36 SWSW.
Can only be delivered by Upper McGowan.

$$\frac{2.75 \text{ cfs}}{62 \text{ Ac}} = 0.044 \text{ cfs/Ac.}$$

$$62 - 5 \text{ Ac} = 57 \times 0.044$$

$$= 2.51 \text{ cfs}$$

adjustment to acres:

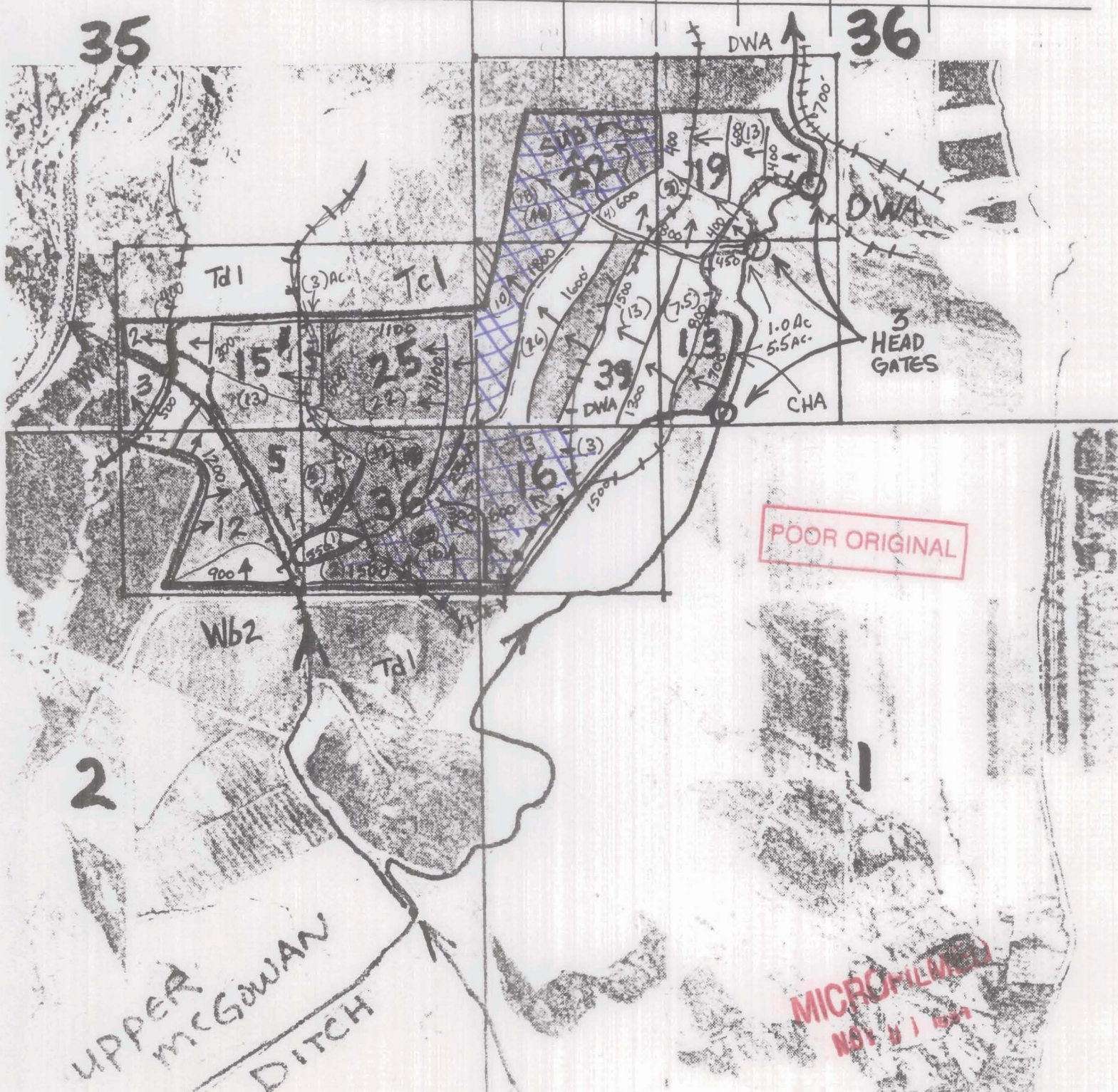
Subtract for acres in S.1 NENWNW
- 3 Ac. (DWA soil)
- 2 Ac. acres in Td1 soil
S.02 SW NENE
- 5 Ac.

5 MICROFILMED
NOT 0.1 1039

TC1-Umd

R19E

++++ SOIL TYPE BOUNDRIES						
WV	Wb2	Td1	Tc1	DWA	CHA	
205Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	$\left\{ \begin{array}{l} 5.5 \text{ Ac.} \\ 1.0 \text{ AC} \end{array} \right\} 6.5 \text{ Ac.}$
A72-10120						
A72-00185A						
A72-04222A						



MICROFILMED
NOV 21 1977

TCI-UMD

CLAIM NO. --- A72-10120
 AGENT ----- SCC
 DATE ----- 02/10/94

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

 SOIL CHARACTERISTICS

Soil Type = TC1 THOSAND... SILT LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (inches)	AWC (inches)	intake family
lower	upper	lower	upper	lower	upper	lower	upper			
0	5	0.18	0.2	7.4	7.8	2	3	1	2.14	flood
5	22	0.14	0.2	7.4	8.4			2	2.31	1.5
22	39	0.09	0.17	7.4	8.4			3	5.66	0.5
39	44	0.07	0.12	7.4	8.4			4	6.67	
44	60	0.03	0.04	7.4	8.4			5	7.08	alternate method
										NA
										NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD
alfalfa (hay or seed)	5	0.5	3.54
corn (field or silage)	4	0.5	3.33
grain (winter or spring)	4	0.5	3.33
pasture (or grass hay)	3	0.5	2.83
other (enter below)			

FIELD NOTES AND CALCULATIONS

	FIELD 1	FIELD 2	FIELD 3	FIELD 4
FIELD WIDTH	3500	0		
IRRIGATION DAYS	14.4			
DRY DAYS	0			
SET TIME(hours)	8			
CALCULATED RUN (run = acres*43560/width)				
RUN =	249			
CALCULATED BORDER WIDTH (ditch length/irr days * cha				
WIDTH =	81			
THEORETICAL ROTATION (mad/net irr req in inches per				
SELECTED MAD =	3.54			
ROTATION =	14.4 DAYS			

 PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)							
				mar	apr	may	jun	jul	aug	sep	oct
PASTURE		FLOOD	14.3		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA	20	FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary	20			1.28	4.51	5.65	6.25	4.45	2.52	0.70
Peak Net Irrigation Requirement (mm/day) =				6.25						

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

MICROFILMED
 NOV 01 1994

TC1-umd

GRADED BORDER EVALUATION

Job name: A72-10120
By: SCC

Location: TC1 SOIL 20 AC ALF
Date: Feb 10, 1994

Roughness coefficient (n)= 0.150 Intake family (If)=1.50
Slope (S)= 0.0200 ft/ft Border width (W)= 81 ft
Net application (Fn)= 3.54 inches Border length (L)= 249 ft
Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
0.69	Gross depth is less than required gross application depth					
0.70	Gross depth is less than required gross application depth					
0.71	Gross depth is less than required gross application depth					
0.72	Gross depth is less than required gross application depth					
0.73	Gross depth is less than required gross application depth					
0.74	Gross depth is less than required gross application depth					
0.75	Gross depth is less than required gross application depth					
0.76	0.009	13.02	9.38	0.10	27.2	(4)
0.77	0.010	13.19	9.38	0.28	26.8	(4)
0.78	0.010	13.37	9.38	0.45	26.5	(4)
0.79	0.010	13.54	9.38	0.62	26.2	(4)
0.80	0.010	13.71	9.38	0.79	25.8	(4)
0.81	0.010	13.88	9.38	0.96	25.5	(4)

(4) Less than minimum recommended depth of flow.

this pou is a N-South strip ~~up there~~ in the middle
of S.36 SWSW & the SE corner of NWSW.
Can only be served by upper McGowan
(5 acres of this soil type is calculated
w/ DWA soils due to irrigation ditches position.)
(DWA soils require more water.)

$$\frac{0.76 \text{ cfs}}{20 \text{ Ac}} = 0.038 \text{ cfs/Ac.}$$

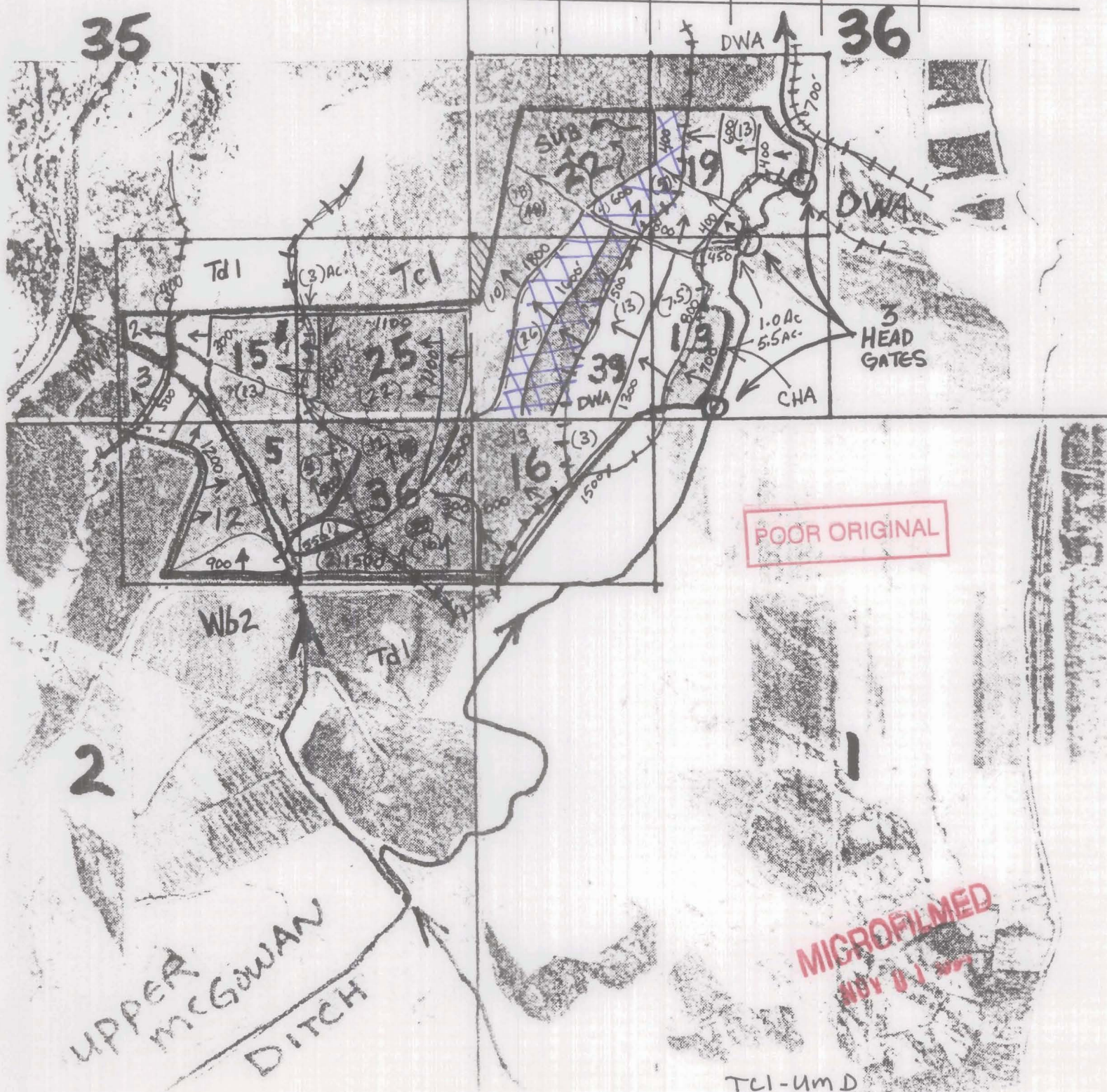
5 Acres
added back in from
S.36 WEST SIDE NESW.

25 Ac x 0.038 cfs/Ac = 1.5 cfs
MICROFILMED
NOV 8 1994

TC1-umo

R19E

++++ SOIL TYPE BOUNDRIES						
	WV1	Wb2	Td1	Tc1	DWA	CHA
205Ac =	5 Ac.	12 Ac.	29 Ac.	116 Ac.	36.5	$\left\{ \begin{array}{l} 5.5 \text{ Ac.} \\ 1.0 \text{ AC} \end{array} \right\} 6.5 \text{ Ac.}$
A72-10120						
A72-00185A						
A72-04222A						



Upper McGowan Ditch Summary -

2-15-94
SC

CLAIMS: A72-00239, A72-00242, A72-10120,
A72-10235, A72-10506

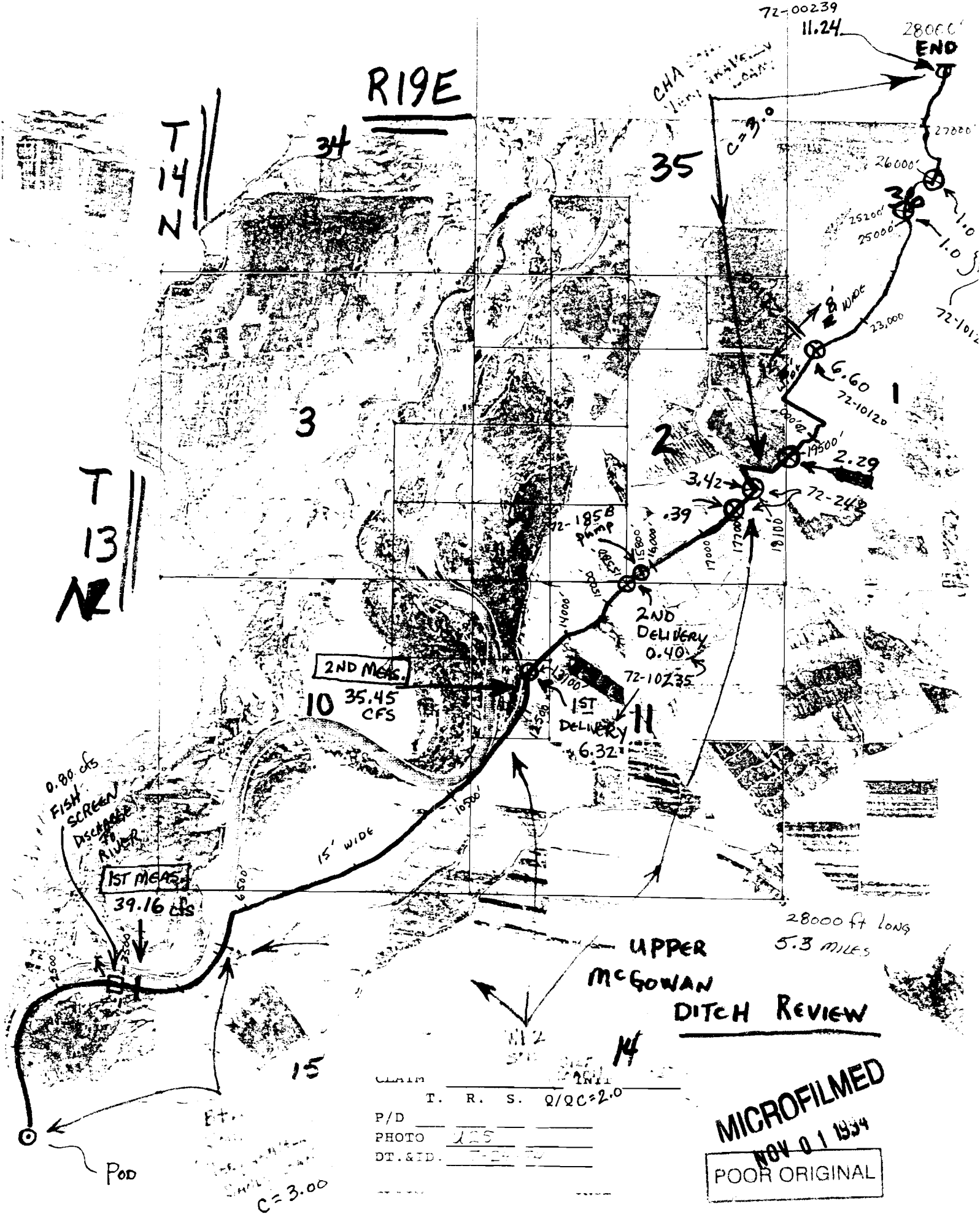
I measured 39.16 cfs below the IDFG fish screen; with the water flowing out the fish screen and the by pass headgate the flow is near 40.0 cfs as originally decreed in 1951.

The Hubble Analysis completed for each right diverted from this ditch gives the Field Irrigation requirements ^(FIR) for each right claimed.

Since the Ditch capacity has been established at 40 cfs, rather than reduce the FIR in each claim to show the actual conveyance losses incurred, the Conveyance losses were reduced.

The result is the FIR for each right is probably used to absorb some of the conveyance loss in the ditch, but it is recommended and available for FIR as the ditch losses are reduced over the season.

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NOV 01 1994



CLAIM
T. R. S. Q/QC=2.0
P/D
PHOTO 125
DT.&ID. 7-2-70

MICROFILMED
NOV 01 1954
POOR ORIGINAL

CONVEYANCE LOSS - WORSTELL

AGENT -----SCC
 DATE -----14-Feb-94
 CONVEYANCE OR
 SOURCE NAME -----SALMON RIVER; UPPER MCGOWAN DITCH
 RELATED CLAIMS -A72-10235, A72-00242
 A72-10120, A72-00239

A72-10506
 FISH GREEN
 MICROFILMED
 NOV 01 1994

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL DELIVERY LOSS (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	3500	15.0	0.34	0.23 ⁻¹⁰⁵⁰⁶ 0.80	33.46	0.0067	~~0.01~~	40.07
2	13100	15.0	0.22	0.55 ⁻¹⁰²³⁵ 6.32	32.66	0.0167	0.15 0.15	39.04
3	15500	15.0	0.22	0.65 ⁻²⁴² 0.40	26.34	0.0245	~~0.02~~	32.18
4	17700	15.0	0.22	0.74 ⁻¹⁰¹²⁰ 0.39	25.94	0.0284	~~0.03~~	31.13
5	18100	12.0	0.22	0.60 3.42	25.55	0.0236	0.60 0.34	30.00
6	19500	12.0	0.22	0.65 2.29	22.13	0.0294	0.30	25.98
7	22100	8.0	0.43	0.96 6.60	19.84	0.0484	1.70 1.17	23.04
8	25200	8.0	0.34	0.87 1.00	13.24	0.0654	0.24	15.48
9	26000	8.0	0.34	0.89 1.00	12.24	0.0730	0.32	13.61
10	28000	4.0	0.34	0.48 11.34	11.24	0.0428	~~4.04~~	11.72
11				0.00 ⁻⁰²³⁹	0.00	0.0000	0.00	-0.00
12				0.00	0.00	0.0000	0.00	-0.00
13				0.00	0.00	0.0000	0.00	-0.00
14				0.00	0.00	0.0000	0.00	-0.00
15				0.00	0.00	0.0000	0.00	-0.00
16				0.00	0.00	0.0000	0.00	-0.00
17				0.00	0.00	0.0000	0.00	-0.00
18				0.00	0.00	0.0000	0.00	-0.00
19				0.00	0.00	0.0000	0.00	-0.00
20				0.00	0.00	0.0000	0.00	-0.00
TOTALS	188700			6.61 33.56			<u>6.45</u> 6.61	

$$40.0 - 33.56 = 6.44$$

2-15-94
 See

REACH = SECTION OF CHANNEL
 LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
 OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS
 AVE WIDTH = AVERAGE TOP WIDTH OF REACH

further
 adjustment to
 conveyance losses
 to limit Total Diversion
 to measured flow of 40 cfs

MICROFILMED
 NOV 01 1994

CONVEYANCE LOSS - WORSTELL

AGENT -----SCC
 DATE -----14-Feb-94
 CONVEYANCE OR
 SOURCE NAME ----SALMON RIVER; UPPER MCGOWAN DITCH
 RELATED CLAIMS -A72-10235, A72-00242
 A72-10120, A72-00239

*Ditch cannot
and has not delivered
this flow meter.*

MICROFILMED
 NOV 01 1994

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	3500	15.0	3.00	1.99	0.80	33.46	0.0595	0.05	90.87
2	13100	15.0	2.00	4.96	6.32	32.66	0.1520	1.34	88.08
3	15500	15.0	2.00	5.87	0.40	26.34	0.2230	0.17	76.79
4	17700	15.0	2.00	6.71	0.39	25.94	0.2586	0.27	70.52
5	18100	12.0	2.00	5.49	3.42	25.55	0.2148	3.10	63.42
6	19500	12.0	2.00	5.91	2.29	22.13	0.2672	2.69	54.51
7	22100	8.0	3.00	6.70	6.60	19.84	0.3377	9.98	46.31
8	25200	8.0	3.00	7.64	1.00	13.24	0.5771	2.09	33.01
9	26000	8.0	3.00	7.88	1.00	12.24	0.6440	2.73	24.37
10	28000	4.0	3.00	4.24	11.24	11.24	0.3776	34.97	15.48
11				0.00		0.00	0.0000	0.00	-0.00
12				0.00		0.00	0.0000	0.00	-0.00
13				0.00		0.00	0.0000	0.00	-0.00
14				0.00		0.00	0.0000	0.00	-0.00
15				0.00		0.00	0.0000	0.00	-0.00
16				0.00		0.00	0.0000	0.00	-0.00
17				0.00		0.00	0.0000	0.00	-0.00
18				0.00		0.00	0.0000	0.00	-0.00
19				0.00		0.00	0.0000	0.00	-0.00
20				0.00		0.00	0.0000	0.00	-0.00
TOTALS	188700			57.41	33.46			57.41	

REACH = SECTION OF CHANNEL
 LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
 OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS
 AVE WIDTH = AVERAGE TOP WIDTH OF REACH

SEEPAGE = SOIL SEEPAGE RATE OF REACH

WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD

DELIVERY = TOTAL DELIVERIES IN REACH

DELIVERY LEFT = SUM(DELIVERIES OF CURRENT AND REMAINING REACHES)

LOSS FACTOR = WORSTELL LOSS/DELIVERY LEFT

DELIVERY LOSS = SUM(LOSS FACTORS OF CURRENT AND PREVIOUS REACHES) X DELIVERY,
REPRESENTS THE LOSSES ASSIGNED TO THE DELIVERIES IN THE REACH

To adjust conveyance losses to the
actual flows measured.

GIVEN:

Delivery(cfs) 33.46
Delivery Loss(cfs) 57.41
meas. flow(cfs) 40.00
C Values: 2 & 3

$$40.00 - 33.46 = 6.54$$

$$\frac{6.54}{57.41} = 0.11 \quad (\text{proportional rate desired})$$

$$0.11 \times 3.0 = 0.34$$

$$0.11 \times 2.0 = 0.22$$

} adjusted 'C' values
for Delivery of Measured flows.

(see next sheet for
revised calculations)

by adjusting the C.L.
portion, recommendations
can remain... I.R.
for each right... otherwise
they would have been
reduced to account for
conveyance losses.
2-14-94

2-14-94
SC

CONVEYANCE LOSS - WORSTELL

AGENT -----SCC
 DATE -----14-Feb-94
 CONVEYANCE OR
 SOURCE NAME ----SALMON RIVER; UPPER MCGOWAN DITCH
 RELATED CLAIMS -A72-10235, A72-00242
 A72-10120, A72-00239

MICROFILMED
NOV 01 1994

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	3500	15.0	0.34	0.23	0.80	33.46	0.0067	0.01	40.07
2	13100	15.0	0.22	0.55	6.32	32.66	0.0167	0.15	39.04
3	15500	15.0	0.22	0.65	0.40	26.34	0.0245	0.02	32.18
4	17700	15.0	0.22	0.74	0.39	25.94	0.0284	0.03	31.13
5	18100	12.0	0.22	0.60	3.42	25.55	0.0236	0.34	30.00
6	19500	12.0	0.22	0.65	2.29	22.13	0.0294	0.30	25.98
7	22100	8.0	0.43	0.96	6.60	19.84	0.0484	1.17	23.04
8	25200	8.0	0.34	0.87	1.00	13.24	0.0654	0.24	15.48
9	26000	8.0	0.34	0.89	1.00	12.24	0.0730	0.32	13.61
10	28000	4.0	0.34	0.48	11.34	11.24	0.0428	4.04	11.72
11				0.00		0.00	0.0000	0.00	-0.00
12				0.00		0.00	0.0000	0.00	-0.00
13				0.00		0.00	0.0000	0.00	-0.00
14				0.00		0.00	0.0000	0.00	-0.00
15				0.00		0.00	0.0000	0.00	-0.00
16				0.00		0.00	0.0000	0.00	-0.00
17				0.00		0.00	0.0000	0.00	-0.00
18				0.00		0.00	0.0000	0.00	-0.00
19				0.00		0.00	0.0000	0.00	-0.00
20				0.00		0.00	0.0000	0.00	-0.00
TOTALS	188700			6.61	33.56			6.61	

REACH = SECTION OF CHANNEL
 LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
 OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS
 AVE WIDTH = AVERAGE TOP WIDTH OF REACH

SEEPAGE = SOIL SEEPAGE RATE OF REACH
WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD
DELIVERY = TOTAL DELIVERIES IN REACH
DELIVERY LEFT = SUM(DELIVERIES OF CURRENT AND REMAINING REACHES)
LOSS FACTOR = WORSTELL LOSS/DELIVERY LEFT
DELIVERY LOSS = SUM(LOSS FACTORS OF CURRENT AND PREVIOUS REACHES) X DELIVERY,
 REPRESENTS THE LOSSES ASSIGNED TO THE DELIVERIES IN THE REACH

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NOV 01 1994

NAME OF STREAM OR DITCH UPPER MCGOWAN DITCH
 LOCATION ----- ABOVE 1ST DIVERSION 50 FT
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ---- = 2
 FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

WATER RIGHT NUMBER IF APPLICABLE ----- ~~A72-00171, & 00172.~~
 AGENT CONDUCTING MEASUREMENT & DATE -- ~~KKG-8-03-93~~ SCL 6-30-93
 ACCOMPANIED BY ----- ~~NO ONE~~ N/A
 PREMEASUREMENT SPIN TEST (MIN/SEC) --- OK
 POST MEASUREMENT SPIN TEST (MIN/SEC) - OK

ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	VELOCITY DATA				CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
				1ST MEASUREMENT REVS	2ND MEASUREMENT TIME/SEC	1ST MEASUREMENT REVS	2ND MEASUREMENT TIME/SEC			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
INITIAL POINT	1.00		0.30						0.25	0.075	0.12		0.00
	1.50	0.60		0				0.50	0.300	0.18			0.00
	2.00	1.00		5	47.0			0.75	0.750	0.25		0.25	0.19
	3.00	1.30		10	34.0			1.00	1.300	0.66		0.66	0.86
	4.00	1.75		20	48.0			1.00	1.750	0.93		0.93	1.62
	5.00	2.30		25	54.0			1.00	2.300	1.03		1.03	2.37
	6.00	2.40		25	40.0			1.00	2.400	1.38		1.38	3.32
	7.00	2.40		25	42.0			1.00	2.400	1.32		1.32	3.16
	8.00	2.45		25	38.0			1.00	2.450	1.45		1.45	3.56
	9.00	2.65		30	47.0			1.00	2.650	1.41		1.41	3.74
	10.00	2.65		30	43.0			1.00	2.650	1.54		1.54	4.08
	11.00	2.70		30	45.0			1.00	2.700	1.47		1.47	3.98
	12.00	2.65		30	47.0			1.00	2.650	1.41		1.41	3.74
	13.00	2.30		20	52.0			1.00	2.300	0.86		0.86	1.97
	14.00	2.00		10	39.0			1.00	2.000	0.58		0.58	1.16
	15.00	1.70		10	40.0			1.00	1.700	0.57		0.57	0.96
	16.00	1.30		10	53.0			1.00	1.300	0.43		0.43	0.56
	17.00	0.70		0				0.51	0.354	0.30			0.11
END	17.01		0.35					0.01	0.002	0.24		0.00	35.28

MICROFILMED

NOV 01 1994

35.45 cfs

calculated other flow
 based on 70% of velocity
 of previous station.

SCL
 10-20-93

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Water Right No.
(if applicable)

NOV 01 1994

Open Channel Discharge Measurement Notes

A. GENERAL INFORMATION

1. Name of stream or ditch: Upper McGowan Ditch
2. Location: 50' ABOVE 1ST DIVERSION
3. Person conducting measurement: STEVE CHELLAND
4. Date and time of measurement: 6-30-93 4:40pm - 5:15pm
5. Accompanied by: N/A
6. Measuring device size and ID no.: AA #090148
7. Spin test before measurement OK? OK 2:30min after measurement OK? OK 2:20min
8. Purpose of measurement: AJ claims - conveyance loss determination
From POD in RIVER

B. MEASUREMENT DATA

Angle co-efficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
							At point	Mean in vertical			
LEW	1.0		Ø		Ø						
	1.5		.6		Ø						
	2.0		1.0	.6	5	47					
	3.0		1.3	.6	10	34					
	4.0		1.75	.6	20	48					
	5.0		2.3	.6	25	54					
	6.0		2.4	.6	25	40					
	7.0		2.4	.6	25	42					
	8.0		2.45	.6	25	38					
	9.0		2.65	.6*	30	47					
	10.0		2.65	.6*	30	43					
	11.0		2.7	.6*	30	45					
	12.0		2.65	.6*	30	47					
	13.0		2.30	.6	20	52					
	14		2.0	.6	10	39					
	15		1.7	.6	10	40					
	16		1.3		10	53					
	17		0.7		Ø						

MICROFILMED
NOV 01 1994

NAME OF STREAM OR DITCH UPPER MCGOWAN DITCH; SALMON RIVER
 LOCATION ----- BELOW FISH SCREEN S27 200 FT
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ---- = 2
 FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

WATER RIGHT NUMBER IF APPLICABLE -----
 AGENT CONDUCTING MEASUREMENT & DATE -- SCC 6-30-93
 ACCOMPANIED BY ----- N/A
 PREMEASUREMENT SPIN TEST (MIN/SEC) -- OK 3:20
 POST MEASUREMENT SPIN TEST (MIN/SEC) - OK 3:20

ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	VELOCITY DATA				CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
				1ST MEASUREMENT REVS	TIME/SEC	2ND MEASUREMENT REVS	TIME/SEC			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
INITIAL POINT	1.00		0.15					0.25	0.038			0.12	0.00
	1.50	0.30		5	49.0			0.50	0.150	0.24		0.24	0.04
	2.00	0.55		10	43.0			0.75	0.413	0.53		0.53	0.22
	3.00	1.10		15	47.0			1.00	1.100	0.72		0.72	0.79
	4.00	1.75		20	43.0			1.00	1.750	1.03		1.03	1.81
	5.00	2.30		35	52.0			1.00	2.300	1.49		1.49	3.42
	6.00	2.45		30	43.0			1.00	2.450	1.54		1.54	3.78
	7.00	2.50		30	43.0			1.00	2.500	1.54		1.54	3.85
	8.00	2.50		30	41.0			1.00	2.500	1.62		1.62	4.04
	9.00	2.50		35	41.0			1.00	2.500	1.88		1.88	4.70
	10.00	2.45		35	42.0			1.00	2.450	1.84		1.84	4.50
	11.00	2.20		30	46.0			1.00	2.200	1.44		1.44	3.17
	12.00	2.30		30	45.0			1.00	2.300	1.47		1.47	3.39
	13.00	2.10		30	51.0			1.00	2.100	1.30		1.30	2.73
	14.00	1.70		25	48.0			1.00	1.700	1.16		1.16	1.96
	15.00	1.15		12	49.0			1.00	1.150	0.55		0.55	0.64
	16.00	0.60		0				0.51	0.303	0.386 (70%)		0.386	0.00
END	16.01		0.30					0.01	0.002	0.27		0.00	39.04

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39.16 cfs

Calculated other flows
 based on 70% velocity
 of the previous station.

10-19-93
 SC

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Water Right No.
(if applicable)

Open Channel Discharge Measurement Notes

A. GENERAL INFORMATION

1. Name of stream or ditch: Upper McGowan Ditch @ Fish Screen on Salmon R.
2. Location: 200' Below the Fish Screen 527
3. Person conducting measurement: STEVE CLELLAND
4. Date and time of measurement: 6-30-93 2pm - 2:49pm
5. Accompanied by: N/A
6. Measuring device size and ID no.: # 090148 AA
7. Spin test before measurement OK? yes 3:24 min after measurement OK? OK
8. Purpose of measurement: AJ claims for

B. MEASUREMENT DATA

Wadley and
Chivers
Hansen & Robins

Angle co-efficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
							At point	Mean in vertical			
LEW	1.0		Ø		Ø						
	1.5		.3	.5	5	49					
	2.0		.55	.6	10	43					
	~~2.5~~		1.1	.6	~~45~~	~~47~~					
	3.0				15	47					
	~~3.5~~				—	—					
	4.0		1.75	.6	20	43					
	~~4.5~~				—	—					
	5.0		2.3	.6	35	52					
	~~5.5~~				—	—					
	6.0		2.45	.6	30	43					
	~~6.5~~				—	—					
	7.0		2.5	.6	30	43					
	8.0		2.5	.6	30	41					
	9		2.5	.6	35	41					
	10		2.45	.6	35	42					
	11		2.2	.6	30	46					
	12		2.3	.6	30	45					
	13		2.1	.6	20	51					
	14		1.7	.6	25	41					

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WATER RIGHT CLAIMS PROOF READING REPORT

11/28/89
P:

at Number - 72-00238 Adj. Flag Translation: Standard Water Right Number Old (D) Number -

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

CURRENT OWNER ***
BROTHERS

1 -
2 -
3 -
City- State- Zip-
Phone -

Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status
01/1890 17 D - DECREED

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

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

9E 16 SW SE 5 (37) CUSTER

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

- IRRIGATION 4.400

Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW
4.400

- - - - - - - - - Place of Use - - - - - - - - -
n Rng Sec Tract Lot Acres Code Description County

N 19E 36 NE SW 01 IRRIGATION (37) CUSTER
N 19E 36 NW SW 01 IRRIGATION (37) CUSTER
N 19E 36 SW SW 01 IRRIGATION (37) CUSTER
N 19E 36 SE SW 01 IRRIGATION (37) CUSTER

Total Acres:

Version Means -

-Irrigation Use -

er Rights for Same Use -

- - - - - - - - - Remarks - - - - - - - - -
RT. IS FOR 11% OF FLOW IN UPPER MCGOWAN DITCH, UP TO 4.4 CFS.
PRIORITY DATE GIVEN IN DECREE AS 1890.

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

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT CLAIMS PROOF READING REPORT

11/28/89
P.

Case number - 72-00238

Adj. flag translation: Standard Water Right Number

Decree Plaintiff - - - +
AL

+ - - - - Decree Defendant - - - +
JOHNSON ET AL

+ - Decree
04

Set Fields - 02/11/86

05/28/88 CONVERT

- - - - - Water Rights Dates and Flags Area - - - - -

Proof Due Date	- 00/00/0000	Field Exam Made	- 00/00/0000	Field Exam Fee	-
Approved/Denied	- 00/00/0000	Protested Date	- 00/00/0000	Swan Falls	-
Proof Made Date	- 00/00/0000	Hearing Date	- 00/00/0000	Temporary Right	- P
Start Work Date	- 00/00/0000	Verified Date	- 03/12/1985	DLE/Carey Act	-
Order Show Cause	- 00/00/0000	Receipt Number	-	Water District	-
Licensed Date	- 00/00/0000	Appl Received	- 00/00/0000	Transfer/Amended	-
Decree Date	- 04/24/1951				

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INDIAN DEPARTMENT OF WATER RESOURCES
WATER RIGHT CLAIMS PROOF READING REPORT

11/28/89
Pi

Water Right Number - 72-00240 Adj. Flag Translation: Standard Water Right Number Old (D) Number -

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

CURRENT OWNER ***

FRANK

1 -
2 -
3 -

City-
Phone -

State- Zip

FLORENCE ANNABELLE

1 -
2 -
3 -

City-
Phone -

State- Zip

Priority Date --- + --- Region --- + --- Stage --- + --- Status
01/1890 17 D - DECREED

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

--- Point of Diversion ---
Rng Sec Tract Lot RFlg County Stream Index (Blank if no Index Code)
19E 16 SW SE 5 (37) CUSTER

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

- IRRIGATION 5.200

Div. Rate - + - Total Div. Volume - + - Total Div. Capacity - + - Total Consumptive Use - + - KW
5.200

Place of Use							Description		County
Rng	Sec	Tract	Lot	Acres	Code				
N	19E	1	NW NW	4	01	IRRIGATION		(37) CUSTER	
N	19E	2	NE NE	1	01	IRRIGATION		(37) CUSTER	
N	19E	2	NW NE	2	01	IRRIGATION		(37) CUSTER	
N	19E	35	SW SE		01	IRRIGATION		(37) CUSTER	
N	19E	35	SE SE		01	IRRIGATION		(37) CUSTER	

Total Acres:

Version Means -

-Irrigation Use -

Water Rights for Same Use -

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STATE DEPARTMENT OF WATER RESOURCES
WATER RIGHT CLAIMS PROOF READING REPORT

11/28/89
P

ht number - 72-00240

Adj. flag translation: Standard Water Right Number

Remarks

RT. IS FOR 13% OF FLOW IN UPPER MCGOWAN DITCH, UP TO 5.2 CFS.
P/U INCOMPLETE. SEE DECREE.
P/D NOT GIVEN IN DECREE BUT DETERMINED FROM USGS MAP.

Conditions of Approval
No Conditions of Approval found.

Decree Plaintiff - - - +
T AL

+ - - - Decree Defendant - - - +
JOHNSON ET AL

+ - Decree
04/88

it Fields - 12/09/85

05/28/88 CONVERT

Water Rights Dates and Flags Area

Proof Due Date - 00/00/0000
Approved/Denied - 00/00/0000
Proof Made Date - 00/00/0000
Start Work Date - 00/00/0000
Order Show Cause - 00/00/0000
Licensed Date - 00/00/0000
Decree Date - 04/24/1951

Field Exam Made - 00/00/0000
Protested Date - 00/00/0000
Hearing Date - 00/00/0000
Verified Date - 12/09/1985
Receipt Number -
Appl Received - 00/00/0000

Field Exam Fee -
Swan Falls -
Temporary Right - P
DLE/Carey Act -
Water District - 000
Transfer/Amended -

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POOR ORIGINAL



UPPER MCGOWAN DITCH



NOV 01 1994

MICHAEL MED



PHOTO: 6-30-93
R72-17
MYSOC



FISH SCREEN @ MCGOWAN DITCH

POOR ORIGINAL



UPPER
MCGOWAN DITCH
MEAS. SITE.

6-30-93

PHOTO: R72-17
by SCC

MICROFILMED
NOV 01 1994



POOR ORIGINAL



Upper McGOWAN
DITCH —

MEAS. SITE
ABOVE 1ST
DIVERSION.

@ FRED WINTERS
FARM



6-30-93

PHOTO: R72-18
by SCC

MICROFILMED
JUL 01 1994