

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: A72-04085  
Date Received: 11/16/1989  
Receipt No: M005227  
Received By: SCC

NOTICE OF CLAIM TO A WATER RIGHT  
ACQUIRED UNDER STATE LAW

1. Name: ROBERTA H. GREEN 208-879-2320  
Address: P.O. BOX 213  
CHALLIS, ID 83226

2. Date of Priority: APR 01, 1910

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

4. Point of Diversion:

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

5. Description of diverting works:  
CONCRETE CHECK, EARTH DITCH; HIGH LINE DITCH.

6. Water is used for the following purposes:

| Purpose    | From  | To    | C.F.S | (or) | A.F.A. |
|------------|-------|-------|-------|------|--------|
| IRRIGATION | 03/01 | 08/01 | 3.000 |      |        |

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

8. Total consumptive use is 120.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

| Township | Range | Section | 1/4 | of 1/4 | Lot | Use | Acres |
|----------|-------|---------|-----|--------|-----|-----|-------|
| 14N      | 19E   | 28      | NE  | NW     |     | IRR | 28.0  |
|          |       |         | NW  | NW     |     | IRR | 18.0  |
|          |       |         | SE  | NW     |     | IRR | 2.0   |

Section Acres 48.0

10. Place of Use: Continued

Total Acres 48.0

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:

A72-00056, A72-02149E, A72-00032C

14. Remarks:

15. Basis of Claim: STATUTORY CLAIM

16. Signature(s)

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

Number of attachments: \_\_\_\_\_

**For Individuals:**

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): Phyllis H. Green Date: Nov 16 - 1989

\_\_\_\_\_  
Date: \_\_\_\_\_

State of Idaho )

County of Custer ) SS.

Subscribed and sworn (or affirmed) before me this 16<sup>th</sup> day

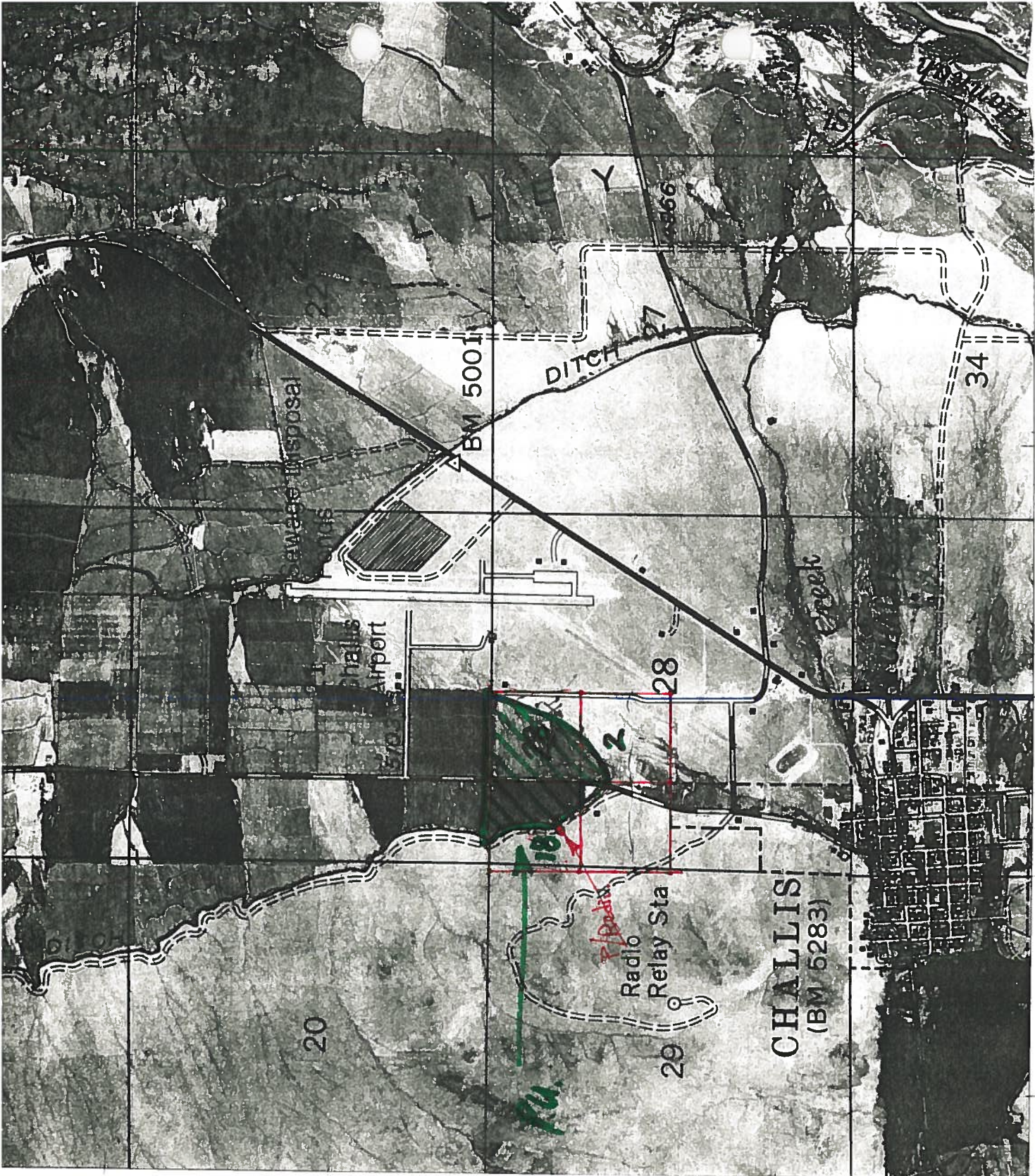
of November 19 89

Stan C. [Signature]  
Notary Public

Seal

Residing at Twin Falls, Idaho

My Commission Expires December 7, 1994



1 040 000  
FEET

14A

CHALLIS  
(BM 5283)

Radio  
Relay Sta

DITCH

BM 5001

Challis  
Airport

sewer disposal

43°30'  
114°15'

440 000 FEET

1.6 MI TO IDAHO 75  
CLAYTON 24 MI

12'30"

Base Map Prepared by the U.S. Geological Survey

(ORSE)

19E

MICROFILMED

MAR 1 8 1993



State of Idaho

# DEPARTMENT OF WATER RESOURCES

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

CECIL D. ANDRUS  
Governor

March 2, 1992

R. KEITH HIGGINSON  
Director

A72-04085  
ROBERTA H. GREEN  
P.O. BOX 213

CHALLIS

ID 83226

RE: Evidence of Priority

**\*RESPONSE DEADLINE\***

**MAY 1, 1992**

**\*\*\*\*\***

Dear Claimant:

The Notice(s) of Claim identified with the number shown above your name on the mailing label has been filed in the Snake River Basin Adjudication (SRBA). The Notice(s) indicate your water usage is based on "Beneficial Use" or a "Statutory Claim". Water rights of this type are established by the historical use of water, dating back to when water was first used for the purpose claimed. The date of first use, known as the priority date, has not been confirmed by a License, Decree or Permit. The Department will soon conduct reviews &/or field exams for the claims in your area. Since the priority date of a beneficial use water right can not be confirmed by field examination, proof must be provided supporting the priority date you have claimed.

The Department will not recommend the Notice(s) be decreed by the court as claimed if no evidence of a priority date is submitted.

Please find enclosed a computer printout of your Notice(s) and the pamphlet entitled "Evidence of Priority". The pamphlet describes the types of evidence required and suggests which documents will fulfill this requirement. I direct your attention to the two sections entitled "What Kind of Evidence is Required" and "Some Examples of Documents Which May Be Evidence of the Priority Date".

Please submit the required evidence supporting the priority date(s) by May 1, 1992, referencing all documents with the corresponding Notice number(s). If you have any questions not covered by this letter or the enclosed pamphlet, please contact this office.

Respectfully submitted,

Allen Merritt, P.E.  
Water Rights Supervisor

Enclosures

MICROFILMED

MAR 18 1993

RECEIVED

JULY 01 1992

Department of Natural Resources  
Spartanburg, South Carolina

The Jassi ranch purchased from Loveland,  
Goss! A72-04085-

This ranch is close to town of Chaffin and  
was put in cultivation when the Hugh Lane was  
finished. It is on the end of the ditch.

It was put in crop and irrigated by flood  
irrigation.

It had a 1910 water right. Some years  
there was plenty of water for two crops.

If the water was short this ranch as well as  
the other 1910 rights were shut off for 79 rights.

Since sprinklers there is much more water getting  
there. I observed this as I rode to school and  
by car as the years went by.

Laura Bishop Born

1904

MICROFILMED

1981



State of Idaho  
**DEPARTMENT OF WATER RESOURCES**  
1341 Fillmore Street, Suite 200, Twin Falls, ID 83301-3380  
Phone: (208) 736-3033 FAX: (208) 736-3037

SOUTHERN REGION

January 21, 1999

DIRK KEMPTHORNE  
GOVERNOR

KARL J. DREHER  
DIRECTOR

ROBERTA H GREEN  
PO BOX 213  
CHALLIS ID 83226

RE: 72-00020E, 72-02147A; 72-00056, 72-02149E, 72-04085; 72-00026,  
72-00027, 72-04086, 72-10247, 72-10248, 72-10250, 72-10251,  
72-10253, 72-10254

Dear Mrs. Green,

This letter is in response to the Notices of Error (NOEs) you recently filed with IDWR regarding the Director's proposed recommendations of the claims listed above. Your NOEs questioned the size of the Places of Use, and being able to use your storage rights at either location (Section 17 or 28).

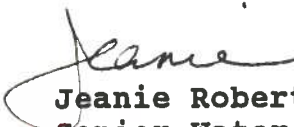
I have re-drawn the areas on the GIS maps as we discussed. This allowed me to change my recommendations and include some additional acreage.

As for your storage rights, they were not claimed showing both properties so could not be recommended that way. After the Director's Report is issued, you can file a motion with the court (SF4 enclosed) to amend the claims and we may be able to change our recommendations after the amendments are filed. (If this will be a new use and hasn't been used this way before, you may be able to accomplish the same thing by filing a transfer.)

I have enclosed new GIS print-outs for your records and also copies of profile reports showing the changes. You should be receiving the actual Director's Reports around the first part of February, which will reflect these corrections.

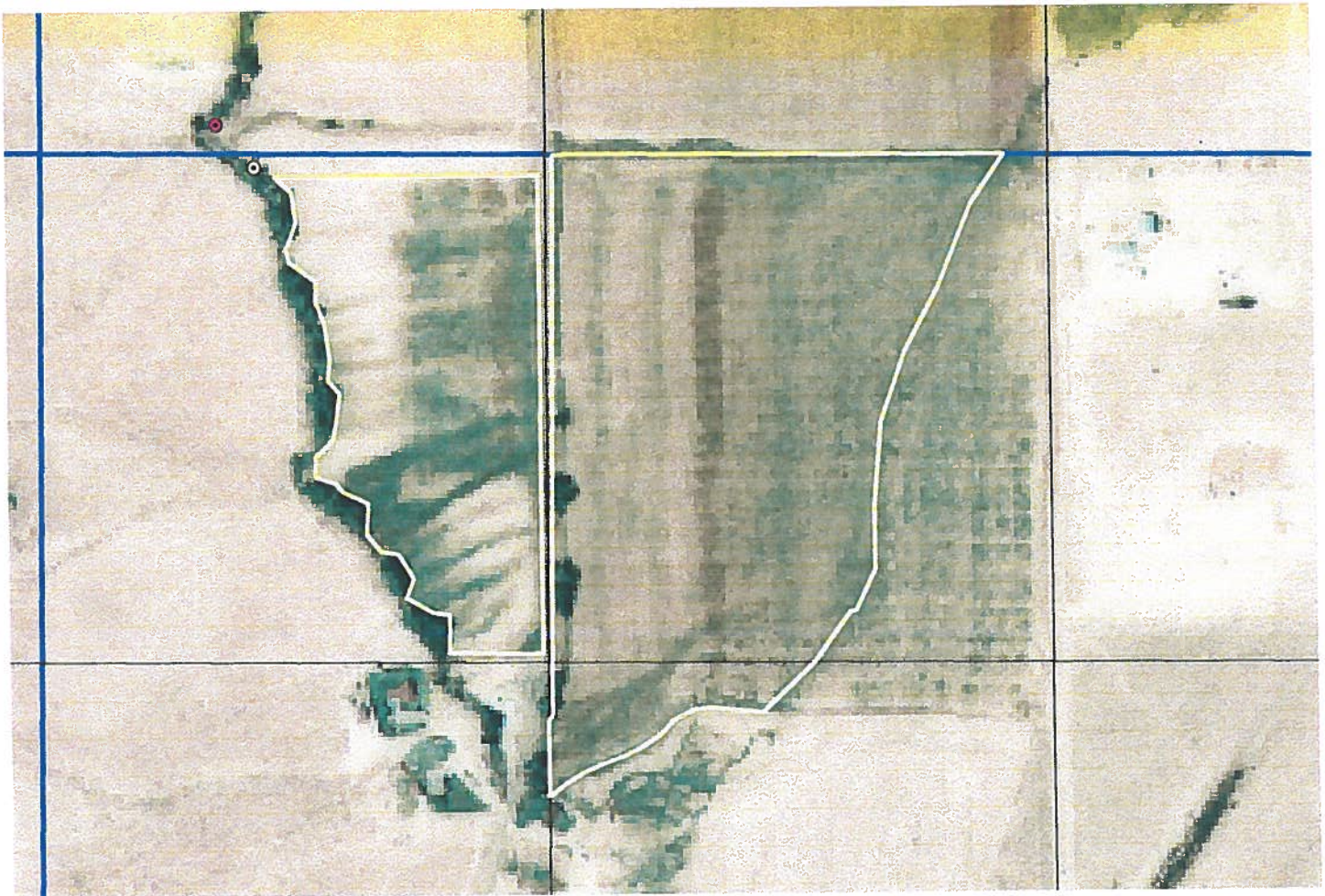
The two springs up at Mosquito Flat (72-10249 and 72-10252) are still being recommended for disallowal. If you disagree with any of our recommendations to the court, you may file an objection. The process will be explained with your Final Recommendation.

Sincerely,

  
Jeanie Robertson  
Senior Water Resource Agent

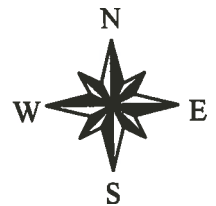
# IDAHO DEPARTMENT OF WATER RESOURCES

72-04085



0 660 1320 1980 Feet

RECOMMENDED PLACE OF USE  
DATA ENTRY ON JAN.20, 1999  
TWP 14N, R19E, SEC . 28



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

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

AJ0749NP  
No. R72-04085

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

DATE: 01/13/99  
PAGE: 1

| OWNER<br>CODE | NAME & ADDRESS  | PRIORITY<br>DATE | WATER USE  | USE PERIOD<br>FROM TO | DIVERSION<br>RATE | DIVERSION<br>VOLUME |
|---------------|-----------------|------------------|------------|-----------------------|-------------------|---------------------|
| C             | ROBERTA H GREEN | 10/10/1911       | IRRIGATION | 04-01 08-01           | 1.42 CFS          |                     |

TOTAL DIVERSION: 1.42 CFS

Water Source: CHALLIS CREEK

Tributary to: SALMON RIVER

Stage: BENEFICIAL USE

Point(s) of Diversion: T14N R19E S07 Lot10(SMNMNM)  
Point(s) of Re-diversion: T14N R19E S28 NMNMNM

CUSTER County  
CUSTER County

Place of use Legal Description for: IRRIGATION

|            | NE                        | NM                        | SM                        | SE                        |             |
|------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------|
| T R S      | NE NE NE SENE             | NE NW NM NW SM NW SENE    | NE SW NM SW SM SW SENE    | NE SE NM SE SM SE SENE    | SUM         |
| 14N 19E 28 | : Lt Ac Lt Ac Lt Ac Lt Ac | : Lt Ac Lt Ac Lt Ac Lt Ac | : Lt Ac Lt Ac Lt Ac Lt Ac | : Lt Ac Lt Ac Lt Ac Lt Ac | : 46.0      |
|            | : 28                      | : 15                      | : 03                      | :                         | : 46.0      |
|            |                           |                           |                           |                           | TOTAL ACRES |

POU County: CUSTER

Other Rights: 72-00056, 72-02149E, 72-00032C

Conditions of Approval:

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

Remarks: USE

THE USE OF WATER FOR IRRIGATION UNDER THIS RIGHT MAY BEGIN AS EARLY AS APRIL 1 AND MAY CONTINUE TO AS LATE AS OCTOBER 31, PROVIDED OTHER ELEMENTS OF THE RIGHT ARE NOT EXCEEDED. THE USE OF WATER BEFORE MARCH 1 AND AFTER AUGUST 1 UNDER THIS REMARK IS SUBORDINATE TO ALL WATER RIGHTS HAVING NO SUBORDINATED EARLY OR LATE IRRIGATION USE AND A PRIORITY DATE EARLIER THAN THE DATE A PARTIAL DECREE IS ENTERED FOR THIS RIGHT.

POU1 THE RIGHTS LISTED BELOW ARE LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 60.0 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 72-00032C, 72-00056, 72-04085.

AJ0749NP  
NO. R72-04085

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

DATE: 01/13/99  
PAGE: 2

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

Dates: Exam Made Date: Verified Date: 01/13/1999 Objection Filed Date:

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

Comments: Date: 11/03/1998 User-ID: DJONES Subject: PRIORITY  
PRIORITY SET TO ONE DAY JUNIOR TO DECREE.

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

Date: 01/13/1999 User-ID: JROBERTS Subject: CHANGED POU  
PER NOE, ADDED AN ACRE IN NEW.

Audit: 01/13/99 JROBERTS

November 20, 1998

**NOTICE OF ERROR  
REPLY**

**RECEIVED**

**DEC 21 1998**

Department of Water Resources

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

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

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

Water right number: 72-04085

ROBERTA H GREEN  
PO BOX 213  
CHALLIS ID 83226

**RECEIVED**

**DEC 21 1998**

WATER RESOURCES  
WESTERN REGION

Daytime Telephone Number:

Evening Telephone Number:

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

*I irrigate more than 45 acres on this place*

2. Describe the changes you wish to make in the proposed recommendation:

3. Give a brief explanation as to why you disagree with these portions:

**RECEIVED**

**DEC 29 1998**

Department of Water Resources  
Southern Region

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

DATE:

*12-9-98*

SIGNATURE:

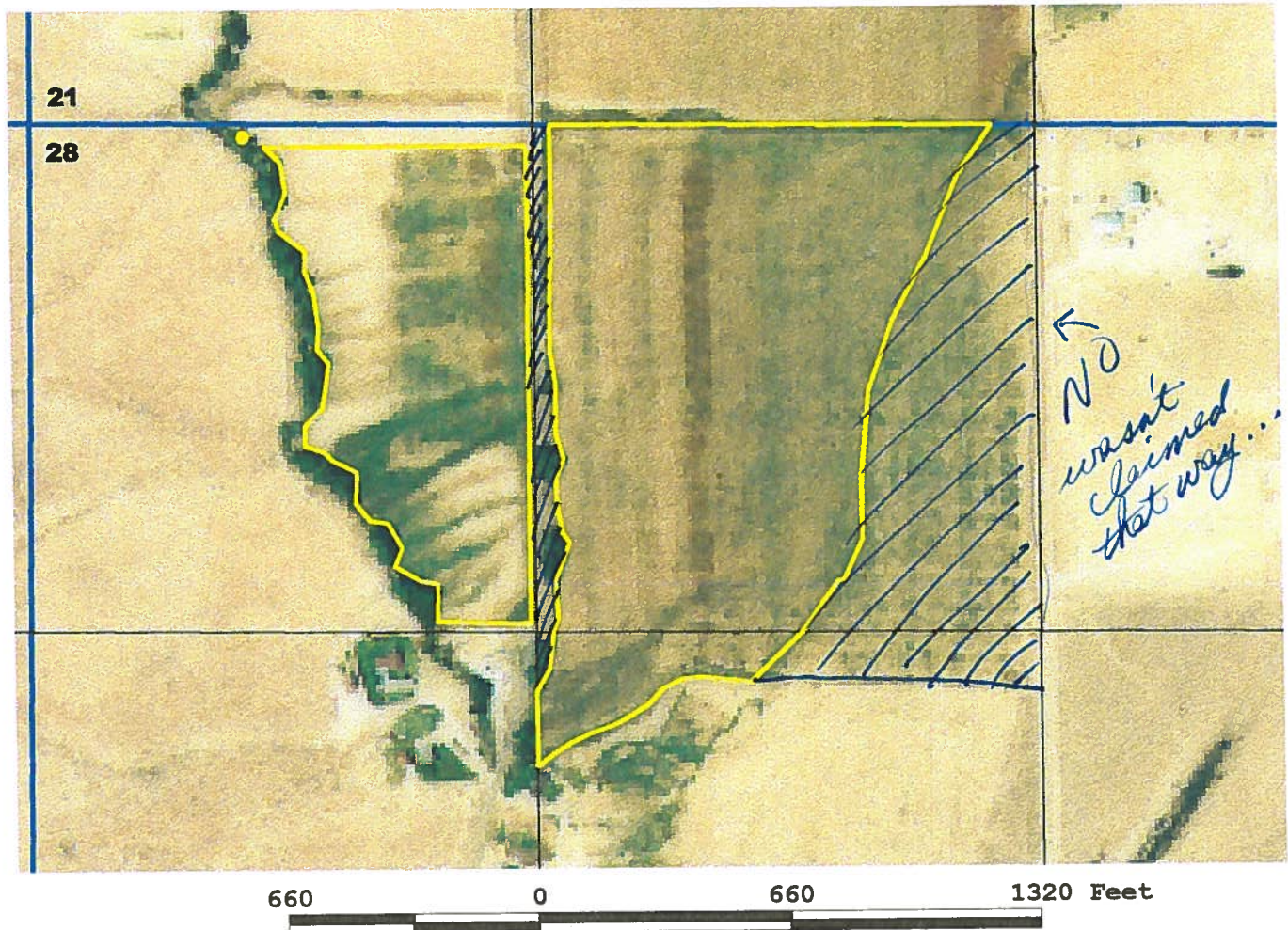
*M. Dubois for R. Green*

Please print your name:

*Melissa Dubois*

IDAHO DEPARTMENT OF WATER RESOURCES

72-04085  
ROBERTA GREEN



RECOMMENDED PLACE OF USE  
DATA ENTRY ON OCT. 7, 1998  
TWP 14N, 19E, SEC . 28



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

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

AJ0749NP  
No. R72-04085

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

DATE: 11/03/98  
PAGE: 1

| OWNER<br>CODE    | NAME & ADDRESS                                                      | PRIORITY<br>DATE | WATER USE  | USE PERIOD<br>FROM TO | DIVERSION<br>RATE | DIVERSION<br>VOLUME |
|------------------|---------------------------------------------------------------------|------------------|------------|-----------------------|-------------------|---------------------|
| C                | ROBERTA H GREEN<br>PO BOX 213<br>CHALLIS ID 83226<br>(208) 879-2320 | 10/10/1911       | IRRIGATION | 04-01 08-01           | 1.42 CFS          |                     |
| TOTAL DIVERSION: |                                                                     |                  |            |                       | 1.42 CFS          |                     |

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

Point(s) of Diversion: T14N R19E S07 Lot10(SMNMNM)  
Point(s) of Re-diversion: T14N R19E S28 NMNMNM CUSTER County  
CUSTER County

Place of use legal Description for: IRRIGATION

|                                                               | NE                                                                  | NW                                                      | SW                                                      | SE                                                      | SUM    |
|---------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------|
| T R S : Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac | : NENW NMNM SWNM SENW : NESW NMNM SWSW SESW : NESE NMSE SMSE SESE : | : Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac | : Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac | : Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac Lt Ac | : SUM  |
| 14N 19E 28 :                                                  | : 27                                                                | : 15                                                    | : 03                                                    | :                                                       | : 45.0 |
| TOTAL ACRES                                                   |                                                                     |                                                         |                                                         |                                                         | 45.0   |

46

POU County: CUSTER

Other Rights: 72-00056, 72-02149E, 72-00032C

Remarks: POU1 THE RIGHTS LISTED BELOW ARE LIMITED TO THE IRRIGATION OF A  
COMBINED TOTAL OF 57.0 ACRES IN A SINGLE IRRIGATION SEASON.  
COMBINED RIGHT NOS.: 72-00032C, 72-00056, 72-04085.

Dates: Exam Made Date: Verified Date: Objection filed Date:

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

# REEVALUATION OF IRRIGATION RATES BASED UPON 1990 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-00032C

 DATE: 11/2, 1998

72-00056

REVIEWED BY



## CHALLIS AREA SOIL REVIEW

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

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 |
|-----------|----------------------------|-------------------------|-----------------------------|-----------------------|----------------------|
|-----------|----------------------------|-------------------------|-----------------------------|-----------------------|----------------------|

|      |     |      |   |      |   |    |   |     |   |      |     |
|------|-----|------|---|------|---|----|---|-----|---|------|-----|
| 32C: | MUG | 4.98 | / | 6    | * | 15 | * | .14 | = | 1.74 | CFS |
|      |     |      | / |      | * |    | * |     | = |      | CFS |
| 56   | DB1 | 6.65 | / | 6.65 | * | 30 | * | .11 | = | 3.30 | CFS |
|      | WB2 | 5.43 | / | 5.43 | * | 12 | * | .13 | = | 1.56 | CFS |

TOTAL ACRES \_\_\_\_\_

DECREED RATE = \_\_\_\_\_

 CLAIMED DIVERSION RATE = 3.0

MEASURED DIVERSION RATE = \_\_\_\_\_

5.0485  
 - 1.74 rec 32C  
 - 1.88 rec 56  
1.42  
 Allow

Water Right Number - R72-04085

Prefix Translation: RESEARCH

Old (D) Number -

\*\*\* C - CURRENT OWNER \*\*\*  
GREEN

ROBERTA H.

1 - P.O. BOX 213  
2 -  
3 -

City- CHALLIS  
Phone - 208-879-2320

State- ID Zip- 83226

Priority Date  
04/15/1974

Region - 17 SOUTHERN

Stage - J - BENEFICIAL USE

Status -

Source - CHALLIS CREEK

Tributary - SALMON RIVER

Point of Diversion -

Town Rng Sec Tract Lot RFlg County  
14N 19E 7 NW SW NW 1 (37) CUSTER

| Code            | Description | Period From | Period To | Water Use | Diversion Rate | Diversion Volume |
|-----------------|-------------|-------------|-----------|-----------|----------------|------------------|
| 01 - IRRIGATION |             | 04/15       | 08/01     |           | 1.42           |                  |

Total Div. Rate - 1.42

Total Consumptive Use - 1.42

KW Usage - 72-00032C

| Town | Rng | Sec | Tract | Lot | Acres | Code | Description | County      |
|------|-----|-----|-------|-----|-------|------|-------------|-------------|
| 14N  | 19E | 28  | NE NW |     | 28.07 | 01   | IRRIGATION  | (37) CUSTER |
| 14N  | 19E | 28  | NW NW |     | 15.18 | 01   | IRRIGATION  | (37) CUSTER |
| 14N  | 19E | 28  | SE NW |     | 2.03  | 01   | IRRIGATION  | (37) CUSTER |

Total Acres: 45

Diversion Means - CONCRETE CHECK, EARTH DITCH, HIGH LINE DITCH.

Non-Irrigation Use -

Other Rights for Same Use - 72-00056, 72-02149E, 72-00032C

REMARKS  
USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 116.2 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 116.2 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 46.5 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 72-00032C, 72-00056, 72-02149E. THIS RIGHT IS LIMITED TO THE IRRIGATION OF 46.5 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

R72-90409

SE NW NW

MICROFILMED  
MAR 18 1993

FIR = 5.04  
- 1.74  
- 1.28  
= 2.02  
72-00032C  
- 1.42  
= 0.60

11/3

Water right number - R72-04085

Prefix Translation: RESEARCH

THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF  
DIVERSION DESCRIBED ABOVE: 72-00004D, 72-0004E, 72-00014,  
72-00032B, 72-00032C, 72-00032E, 72-00032K, 72-00032N, 72-00056,  
72-0204, 72-02149B, 72-04179A, 72-04179B, 72-04180A, 72-04180B,  
72-04180C, 72-10063 & 72-10483.  
WATER IS DELIVERED THROUGH HIGH LINE CANAL.

No Old Water Right Numbers Found

No Conditions of Approval found.

Decree Plaintiff

Decree Defendant

Decree Date

02/01/93 WORSTELL

Comments

No Comments Found

Adjudication Rights Dates and Flags Area

|                      |              |                       |              |                         |         |
|----------------------|--------------|-----------------------|--------------|-------------------------|---------|
| Court Report Filing  | - 00/00/0000 | Field Inspection Made | - 00/00/0000 | Civil Case Number       | - 39576 |
| Objection Filed Date | - 00/00/0000 | Field Inspection Flag | -            | Old Case Number         | -       |
| Response Filed Date  | - 00/00/0000 | Verified Date         | - 00/00/0000 | Old Judicial District   | -       |
| Claim Received Date  | - 11/16/1989 | Last Amended Date     | - 00/00/0000 | Temporary Right         | - P     |
|                      |              | Receipt Number        | - M005227    | Water District          | -       |
|                      |              | POU Ownership Flag    | - Y          | Federal/State Indicator | - S     |
|                      |              | Name Connector        | -            | Presumption Flag        | -       |
|                      |              |                       |              | Notice of Error Flag    | -       |

MICROFILMED  
MAR 1 8 1993

CLAIM NUMBER 72-04085 DATE 10/7/98  
 AGENT 8

TRANSFER NUMBER \_\_\_\_\_  
 CLAIMED ACRE TOTAL 48  
 GIS ACRE TOTAL 45  
46

|       | TWP        | RNG        | SEC       | NE |    |    |    | NW        |           |    |          | SW |    |    |    | SE |    |    |    |
|-------|------------|------------|-----------|----|----|----|----|-----------|-----------|----|----------|----|----|----|----|----|----|----|----|
|       |            |            |           | NE | NW | SW | SE | NE        | NW        | SW | SE       | NE | NW | SW | SE | NE | NW | SW | SE |
| CLAIM | <u>14N</u> | <u>19E</u> | <u>28</u> |    |    |    |    | <u>28</u> | <u>18</u> |    | <u>2</u> |    |    |    |    |    |    |    |    |
| GIS   | <u>14N</u> | <u>19E</u> | <u>28</u> |    |    |    |    | <u>27</u> | <u>15</u> |    | <u>3</u> |    |    |    |    |    |    |    |    |
| RECOM | <u>14N</u> | <u>19E</u> | <u>28</u> |    |    |    |    | <u>27</u> | <u>15</u> |    | <u>3</u> |    |    |    |    |    |    |    |    |
|       |            |            |           |    |    |    |    | <u>28</u> |           |    |          |    |    |    |    |    |    |    |    |
| CLAIM |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |
| GIS   |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |
| RECOM |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |
|       |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |
| CLAIM |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |
| GIS   |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |
| RECOM |            |            |           |    |    |    |    |           |           |    |          |    |    |    |    |    |    |    |    |

B72-DBPOU.SHP \_\_\_\_\_  
 SHAPE NOS. \_\_\_\_\_

22 = 15 Ac.  
23 = 30 Ac. (31 Ac.)

B72-DBPOD.SHP \_\_\_\_\_

NOS. DESCRIPTION  
3 14N, 19E, 7 SWNW NW (10)  
10 14N, 19E, 28 NW NW NW

DBF TABLES UPDATED  
 B72-DBPOU.DBF ☒  
 B72-DBPOD.DBF ☒



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

December 19, 1995

Roberta Green  
PO Box 213  
Challis ID 83226

Dear Roberta,

I've enclosed a map I made showing your three different properties (excluding those up at Mosquito Flat). I hope it will help answer some questions we both have. I've also enclosed copies of your original claims showing how they were filed and the maps that were included. It appears there may be some problems which could explain why the watermaster thinks you should be getting "1879" rights out of the Highline.

**A72-00013A, A72-04088, A72-10069 (Boys' Place)**

I believe the Point of Diversion is wrong for the first two of these claims. They each show it as the Highline, but I believe they should have shown it in Section 3, from the ditch that comes right out of Challis Creek and eventually goes to Philps. (Even the maps show the Highline, but it is actually the HIGHWAY it is pointing to.) If you agree and the water does not come from the Highline for those two rights, perhaps amending the claim to correct this would be the best way to go. A72-00013A is the 1879 water, so that may explain the watermaster's records' confusion. There are affidavits from your sister, Laura Bishop, regarding the priority dates for A72-04088 and A72-10069.

**A72-00020E, A72-02147A, A72-04024 (Home Place)**

These seem to be okay and there is a letter from you stating when the well was first put to use for A72-04024.

**A72-00032C, A72-00056, A72-02149E, A72-04085 (Gossi Place)**

For A72-00056, the remarks say affidavits are available which show the water was used from Challis Creek instead of Garden Creek as the Decree states. I can't find any copies in our records so if you can find them in yours and would send me a copy, that would sure help. There is an affidavit from your sister, Laura Bishop, regarding the priority date for A72-04085.

If you can find any other affidavits or information which might be useful, I would appreciate copies for our files. Please look this information over when you have time (after the Holidays is fine) and let me know in the return envelope when I could call you and we could discuss any questions or concerns you may have. Merry Christmas!

Sincerely,



A hand-drawn map on grid paper showing a coastline. The coastline starts at the top left, goes right, then down, then right again. It is labeled "Challis de" near the top and "Challis de la..." further down. There are some numbers like "7" and "8" written near the coastline.

✓ Do not use for photo

State of Idaho )  
County of Custer ) ss.

Roberta Helen Green  
(Claimant)

Richard S. Bern  
Notary Public  
Residing at Challos Idaho

Received by T20 Date 12-9-81 Exception filed by: \_\_\_\_\_ Powered to  
Prelim. check by pp Date 12-16-81 Claimant by \_\_\_\_\_ Date \_\_\_\_\_  
\$80.00 fee received by insurer Date 12-16-81 270702  
Published in Securities Publishing Co  
Dates 1/18 & 1/19/82



SOIL AND CAPABILITY MAP  
Prepared by UNITED STATES DEPARTMENT OF AGRICULTURE • SOIL CONSERVATION SERVICE  
Cooperating with:

U.S. F.S.

Cooperating with:

Map No.

CUSTER

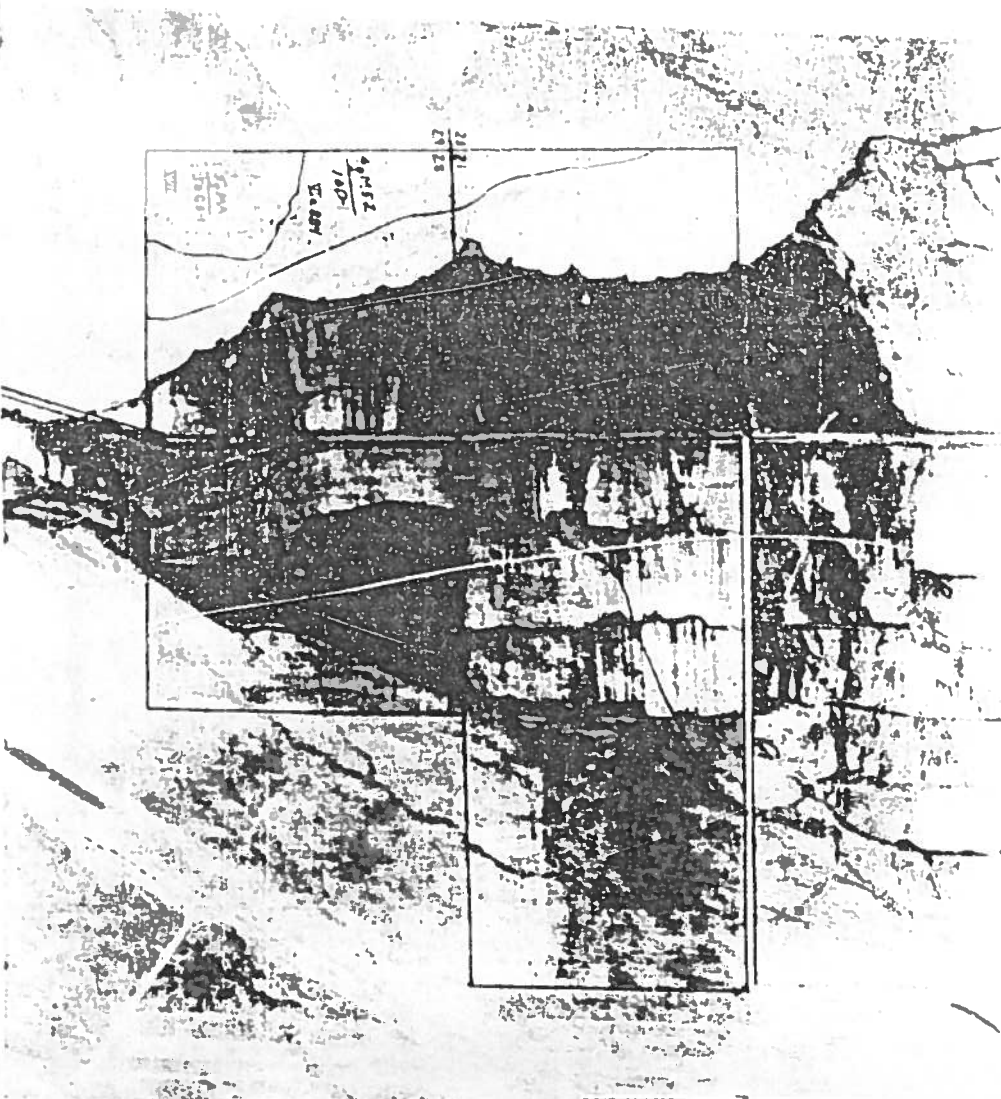
12400

Scale 6 1/4" = 1 Mile

Acres 408

Sheet No.

DATE 4-69



# GRADED BORDER EVALUATION

Job name: 72-00056, 72-04085,  
By: RVW & 72-02149E

Location: DB1 SOIL, 30.5 ACRES  
Date: Aug 9, 1994

Roughness coefficient (n)= 0.150

Intake family (If)=2.00

Slope (S)= 0.0850 ft/ft

Border width (W)= 32 ft

Net application (Fn)= 2.52 inches

Border length (L)= 991 ft

Inflow time (Ti)= 8 hours, 0 minutes

| Flow per<br>Border<br>(cfs) | Unit<br>Flow<br>(cfs/ft)                                  | Gross<br>Application<br>(in) | Deep<br>Percolation<br>(in) | Runoff<br>(in) | Application<br>Efficiency<br>(percent) | Notes       |
|-----------------------------|-----------------------------------------------------------|------------------------------|-----------------------------|----------------|----------------------------------------|-------------|
| 1.48                        | Gross depth is less than required gross application depth |                              |                             |                |                                        |             |
| 1.49                        | Gross depth is less than required gross application depth |                              |                             |                |                                        |             |
| 1.50                        | 0.047                                                     | 16.35                        | 13.76                       | 0.06           | 15.4                                   | (2) (3) (4) |
| 1.51                        | 0.047                                                     | 16.46                        | 13.76                       | 0.17           | 15.3                                   | (2) (3) (4) |
| 1.52                        | 0.048                                                     | 16.57                        | 13.76                       | 0.28           | 15.2                                   | (2) (3) (4) |
| 1.53                        | 0.048                                                     | 16.67                        | 13.76                       | 0.39           | 15.1                                   | (2) (3) (4) |
| 1.54                        | 0.048                                                     | 16.78                        | 13.76                       | 0.50           | 15.0                                   | (2) (3) (4) |
| 1.55                        | 0.048                                                     | 16.89                        | 13.76                       | 0.61           | 14.9                                   | (2) (3) (4) |
| 1.56                        | 0.049                                                     | 17.00                        | 13.76                       | 0.72           | 14.8                                   | (2) (3) (4) |
| 1.57                        | 0.049                                                     | 17.11                        | 13.76                       | 0.83           | 14.7                                   | (2) (3) (4) |
| 1.58                        | 0.049                                                     | 17.22                        | 13.76                       | 0.94           | 14.6                                   | (2) (3) (4) |
| 1.59                        | 0.050                                                     | 17.33                        | 13.76                       | 1.05           | 14.5                                   | (2) (3) (4) |
| 1.60                        | 0.050                                                     | 17.44                        | 13.76                       | 1.15           | 14.5                                   | (2) (3) (4) |

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

(3) Erosive stream-- sod forming crops.

(4) Less than minimum recommended depth of flow.

$$\frac{991 \times 32}{43560} = 0.72590$$

$$\frac{1.5 \text{ cfs}}{0.72590} = 2.05 \text{ cfs/ac.}$$

CLAIM NO. --- A72-04179C  
 AGENT ----- RVW  
 DATE ----- 08/09/94

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

\*\*\*\*\*

# SOIL CHARACTERISTICS

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

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

## Management Allowed Deficit (MAD)

| crop                     | root<br>depth<br>(ft) | stress<br>point (INCHES) | MAD  |
|--------------------------|-----------------------|--------------------------|------|
| alfalfa (hay or seed)    | 5                     | 0.5                      | 2.52 |
| corn (field or silage)   | 4                     | 0.5                      | 2.09 |
| grain (winter or spring) | 4                     | 0.5                      | 2.09 |
| pasture (or grass hay)   | 3                     | 0.5                      | 1.67 |
| other (enter below)      |                       |                          |      |

## FIELD NOTES AND CALCULATIONS

|                                                      | FIELD 1   | FIELD 2 | FIELD 3 | FIELD 4 |
|------------------------------------------------------|-----------|---------|---------|---------|
| FIELD WIDTH                                          | 1340      | 0       |         |         |
| IRRIGATION DAYS                                      | 14        |         |         |         |
| DRY DAYS                                             | 0         |         |         |         |
| SET TIME(hours)                                      | 8         |         |         |         |
| CALCULATED RUN (run = acres*43560/width)             |           |         |         |         |
| RUN =                                                | 991       |         |         |         |
| CALCULATED BORDER WIDTH (ditch length/irr days * cha |           |         |         |         |
| WIDTH =                                              | 32        |         |         |         |
| THEORETICAL ROTATION (mad/net irr req in inches per  |           |         |         |         |
| SELECTED MAD =                                       | 2.52      |         |         |         |
| ROTATION =                                           | 10.2 DAYS |         |         |         |

\*\*\*\*\*

## PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS  
 Figure No = 10-15

|         |              | recomm.<br>eff. | mar | Net Irrigation Requirement (mm/day) |      |      |      |      |  | sep  | oct  |
|---------|--------------|-----------------|-----|-------------------------------------|------|------|------|------|--|------|------|
| crop    | acres system |                 |     | apr                                 | may  | jun  | jul  | aug  |  |      |      |
| PASTURE | FLOOD        |                 |     | 1.47                                | 3.84 | 4.87 | 5.86 | 4.56 |  | 3.23 | 2.07 |
| ALFALFA | 30.5 FLOOD   | 10.9            |     | 1.28                                | 4.51 | 5.65 | 6.25 | 4.45 |  | 2.52 | 0.7  |

Summary 30.5 11 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

| WR ELEMENT                | FIELD EXAM<br>Y/N | CORRESPONDENCE<br>SENT/RECEIVED<br>BY WHOM/DATE | FIELD EXAM<br>BY WHOM/DATE | CHANGE<br>CLAIM<br>Y/N | VERIFIED BY<br>CODE | COMPLETED<br>REVIEW<br>WHOM/DATE | COMPLETED<br>DATA ENTRY<br>WHOM/DATE | VERIFIED<br>DATE<br>WHOM/DATE |
|---------------------------|-------------------|-------------------------------------------------|----------------------------|------------------------|---------------------|----------------------------------|--------------------------------------|-------------------------------|
| PRIORITY DATE             |                   |                                                 |                            |                        |                     |                                  |                                      |                               |
| POINT OF DIV              | Y                 | Meritt 3/2/92<br>Bishop 5/1/92                  |                            | Y                      | 6                   |                                  |                                      |                               |
| SOURCE                    |                   |                                                 |                            | N                      | 4,5,6               |                                  |                                      |                               |
| PLACE OF USE              | Y                 |                                                 |                            | N                      |                     |                                  |                                      |                               |
| DIV. AMOUNT<br>CFS/VOLUME |                   |                                                 |                            | Y                      | 6                   |                                  |                                      |                               |
| CONSUMPTIVE USE           | -                 |                                                 |                            | Y                      | 4,5                 |                                  |                                      |                               |
| PURPOSES                  |                   |                                                 |                            | N                      |                     |                                  |                                      |                               |
| PERIOD OF USE             |                   |                                                 |                            | Y                      | 6                   |                                  |                                      |                               |
| BASIS OF CLAIM            |                   |                                                 |                            | N                      |                     |                                  |                                      |                               |
| REMARKS                   |                   |                                                 |                            | Y                      | 6                   |                                  |                                      |                               |

\*VERIFIED BY\* CODES

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

BLM 24 ID 88 10-9C-5 7/16/1988

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

05:11:56  
06/04/92

PAGE: 1  
GENERAL INFORMATION

CLAIM NUMBER: A72-04085

LAST: GREEN  
ADDRESS: P.O. BOX 213  
CITY: CHALLIS  
PHONE NUMBER: 208-879-2320

FIRST: ROBERTA H.

STATE: ID ZIP: 83226

OWNER CODE: C

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE FIELD  
N EXAMINER

REMARKS IN CLAIM

FIELD EXAMINATION INFORMATION

CONTACT PERSON:

PHONE NUMBER: ( ) - - - -

DATE OF FIELD EXAM: 7/14/93

APPOINTMENT MADE: Y( ) N( )

TIME: : A( ) P( )

ACCOMPANIED BY:

PHONE NUMBER: ( ) - - - -

RELATIONSHIP TO CLAIMANT:

DIRECTIONS TO PROPERTY / REMARKS:

A. AJ CLAIM: # A72-04085 PRIORITY DATE: 04-01-1910 STAGE: S  
B. WR RECORD: # 72-04085 PRIORITY DATE: 04-01-1910 STAGE: S

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE FIELD EXAMINER  
N

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

REMARKS:

*Letter witnessing to priority - not notarized*

*Letter from Laura Bishop - observed water use - probably 10 years old in 1914*

RECOMMENDED PRIORITY DATE:

*04-01-1910*

REVIEWED BY

*4/15/1914*

*[Signature]*

DATE

*8/1/1993*

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

| RIGHT     | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY   |
|-----------|------|------|------|-----|-----|-----|-----|--------|
| A72-04085 | 14N  | 19E  | 7    | NW  | SW  | NW  |     | CUSTER |

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX  
R PREFIX  
NONE

WR RECORDS IN SAME 40 ACRE TRACT

72-00002B  
72-00004A  
72-00004E  
72-00014  
72-00032B  
72-00032C  
72-00032E  
72-00032K  
72-00032N  
72-00056  
72-02044  
72-02149B  
72-04179A  
72-04179B  
72-04180A  
72-04180B  
72-04180C  
72-10063  
72-10483

F06  
F01  
High Line Canal.

SOURCE: CHALLIS CREEK

TRIB: SALMON RIVER

B. WR POINT OF DIVERSION AND SOURCE:

| RIGHT    | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY   |
|----------|------|------|------|-----|-----|-----|-----|--------|
| 72-04085 | 14N  | 19E  | 7    | SW  | NW  |     |     | CUSTER |

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT

A PREFIX  
R PREFIX

72-00002B  
72-00004A  
72-00004E  
72-00004B  
72-00011D  
72-00012D  
72-00020D  
72-02044  
72-04049  
72-04141  
72-04163  
72-04164  
72-04179  
72-04180  
72-07278  
72-07291

72-00004D  
72-00004E  
72-00012B  
72-00012D  
72-00014  
72-00025A  
72-00025B  
72-00032B  
72-00032C  
72-00032E  
72-00032K  
72-00032N  
72-00056  
72-02044  
72-02149B

NONE

A72-04141  
A72-04162  
A72-04164  
A72-04179A  
A72-04179B  
A72-04179C  
A72-04179D  
A72-04180A  
A72-04180B  
A72-04180C  
A72-04180D  
A72-10063  
A72-10483

SOURCE: CHALLIS CREEK

TRIB: SALMON RIVER

C. FIELD EXAM REQUIRED?

| DUE TO POD DISCREPANCY?    | (Y/N) | DATABASE | FIELD EXAMINER |
|----------------------------|-------|----------|----------------|
| DUE TO SOURCE DISCREPANCY? | (Y/N) | Y        | <u>N</u>       |

REMARKS:

A pump near the diversion point at the end of the high line canal was not used during the 1993 season.

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

| TWP.       | RGE.       | SEC.      | 1/4       | 1/4       | 1/4       | LOT      | COUNTY        |
|------------|------------|-----------|-----------|-----------|-----------|----------|---------------|
| <u>14N</u> | <u>19E</u> | <u>28</u> | <u>NW</u> | <u>SW</u> | <u>NW</u> | <u>1</u> | <u>Custer</u> |

SOURCE: CHALLIS CREEK

TRIB: SALMON RIVER

REVIEWED BY:

DATE:

R72-90909  
SE NW NW

A. ROOT WATER RIGHT NUMBERS: A72-04095

B. POU LISTING

| TWP         | RNG | SEC | 1/4 | 1/4 | LOT | NAME                           | A1<br>#/ACRES     | MR<br>#/ACRES    | LANDSAT<br>DATA | FIELD<br>EXAM. | RECOMM.<br>ACRES |
|-------------|-----|-----|-----|-----|-----|--------------------------------|-------------------|------------------|-----------------|----------------|------------------|
| 14N         | 19E | 28  | NE  | NW  |     | GREEN, ROBERTA H.              | A72-04085 / 28.0  | 72-04085 / 28.0  | 37.0            | 28             | 28 *             |
|             |     |     | NE  | NW  |     | GREEN, ROBERTA H.              | A72-00056 / 40.0  | 72-00056 /       |                 |                |                  |
|             |     |     | NE  | NW  |     | GREEN, ROBERTA H.              | A72-02149E / 40.0 |                  |                 |                |                  |
|             |     |     | NE  | NW  |     | PHILIPS, ETHEL                 |                   | 72-02149 / 39.0  |                 |                |                  |
|             |     |     | NE  | NW  |     | PHILIPS, ETHEL                 |                   | 72-02149C / 39.0 |                 |                |                  |
| 14N         | 19E | 28  | NW  | NW  |     | GREEN, ROBERTA H.              | A72-04085 / 18.0  | 72-04085 / 18.0  | 21.0            | 16.5           | 16.5             |
|             |     |     | NW  | NW  |     | GREEN, ROBERTA H.              | A72-00032C / 25.0 |                  |                 |                |                  |
|             |     |     | NW  | NW  |     | GREEN, ROBERTA H.              | A72-02149E / 25.0 |                  |                 |                |                  |
|             |     |     | NW  | NW  |     | ROUND VALLEY IRRIGATION CO.    |                   | 72-00032 /       |                 |                |                  |
|             |     |     | NW  | NW  |     | PHILIPS, ETHEL                 |                   | 72-02149 / 40.0  |                 |                |                  |
|             |     |     | NW  | NW  |     | PHILIPS, ETHEL                 |                   | 72-02149C / 40.0 |                 |                |                  |
| 14N         | 19E | 28  | SE  | NW  |     | GREEN, ROBERTA H.              | A72-04085 / 2.0   | 72-04085 / 2.0   | 22.0            | 2.5            | 2.0 *            |
|             |     |     | SE  | NW  |     | GREEN, ROBERTA H.              | A72-00056 / 2.0   | 72-00056 /       |                 |                |                  |
|             |     |     | SE  | NW  |     | SUNRISE ACRES HOMEOWNERS ASSN. | A72-07279 / 0.6   | 72-07279 / 0.6   |                 |                |                  |
|             |     |     | SE  | NW  |     | SUNRISE ACRES HOMEOWNERS ASSN. | A72-07394 / 0.3   | 72-07394 / 1.0   |                 |                |                  |
|             |     |     | SE  | NW  |     | GREEN, ROBERTA H.              | A72-02149E / 2.0  |                  |                 |                |                  |
|             |     |     | SE  | NW  |     | PHILIPS, ETHEL                 |                   | 72-02149 / 40.0  |                 |                |                  |
|             |     |     | SE  | NW  |     | PHILIPS, ETHEL                 |                   | 72-02149C / 40.0 |                 |                |                  |
|             |     |     | SE  | NW  |     | CORDOVA, ORLANDO A.            |                   | 72-07278 / 1.0   |                 |                |                  |
| TOTAL ACRES |     |     |     |     |     |                                | 48.00             | 48.00            | 80.00           |                | 46.5             |

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

C. FIELD EXAM REQUIRED? DATABASE FIELD EXAMINER POU COUNTY: CUSTER  
DUE TO POU DISCREPANCY? (Y/N) Y

\* As Claimed.

~~E-12~~ 12 K06  
72-00032C  
72-00056  
72-02149E

PRESUMPTION FLAG:

REMARKS:

RECOMMENDATIONS:

TOTAL ACRES:

46.5

REVIEWED BY:

S. L. Mc

DATE:

8/8/94

A. AJ CLAIMED USES:

PURPOSES  
A72-04085 IRRIGATION

MONTH/DAY  
FROM 03-01 TO 08-01

DIVERSION QUANTITY  
3.000 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

3.000 CFS

B. WR RECORDED USES:

PURPOSES  
72-04085 IRRIGATION

MONTH/DAY  
FROM 03-01 TO 08-01

DIVERSION QUANTITY  
3.000 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

3.000 CFS

ASSUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

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

Explain in remarks, below.

REMARKS:

*New standard period of use*

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y( ☒ ) N( ☐ )

AJ TOTAL CLAIMED DIVERSION RATE: 3.000 CFS  
WR ROOT RIGHT TOTAL DIVERSION RATE: 3.000 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)

Y ☒ FIELD DATABASE EXAMINER

MEASUREMENT METHOD

FLOW MEASUREMENT  
SEE ATTACHED CALCULATIONS.

*Not Measured in 1993*

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

OTHER RIGHTS LISTED IN CLAIM: ~~A72-00056~~, ~~A72-02149E~~, ~~A72-00032C~~

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

| CLAIM NO.  | SOURCE        | NAME                           | DIV. RATE | DIV. RATE/ACRE | DIV. VOL. | DIV. VOL./ACRE |
|------------|---------------|--------------------------------|-----------|----------------|-----------|----------------|
| A72-04085  | CHALLIS CREEK | GREEN , ROBERTA H.             | 3.000     | 0.062          |           |                |
| A72-00032C | CHALLIS CREEK | GREEN , ROBERTA H.             | 2.000     | 0.080          |           |                |
| A72-00056  | CHALLIS CREEK | GREEN , ROBERTA H.             | 1.880     | 0.044          |           |                |
| A72-02149E | CHALLIS CREEK | GREEN , ROBERTA H.             |           |                | 66.67     | 0.99           |
| A72-07279  | GROUNDWATER   | SUNRISE ACRES HOMEOWNERS ASSN. | 0.090     | 0.100          |           |                |
| A72-07394  | GROUNDWATER   | SUNRISE ACRES HOMEOWNERS ASSN. | 0.200     | 0.133          |           |                |

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

| CLAIM NO. | PURPOSES | NAME                           | MONTH/DAY      | RATE     | VOLUME |
|-----------|----------|--------------------------------|----------------|----------|--------|
| A72-07279 | DOMESTIC | SUNRISE ACRES HOMEOWNERS ASSN. | 01-01 TO 12-31 | .080 CFS |        |

D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE  $\times 0.02$  CFS/ACRE = **0.93** CFS  
ACRES ~~46.5~~ (Taken from p/u review)

1b. CALCULATIONS

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

\*\*\* IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y( ☐ ) N( ☒ ) \*\*\* *See Hubble Analysis*

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 120.0 AF/A

ACRES **46.5**  $\times$  CONSUMPTIVE VOL. AF/A FOR AREA **8.5** =

TOTAL CONSUMPTIVE USE **116.2** AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES **46.5**  $\times$  DIVERSION VOL. AF/A FOR AREA **3.5** = **N/A**

TOTAL DIVERSION VOLUME AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y( ☐ ) N( ☐ )

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

# GRADED BORDER EVALUATION

Job name: 72-00032C, 72-04085  
By: RVW & 72-02149E

Location: MUG SOIL, 16.6 ACRES  
Date: Aug 9, 1994

Roughness coefficient (n) = 0.250 Intake family (If) = 3.00  
Slope (S) = 0.0850 ft/ft Border width (W) = 66 ft  
Net application (Fn) = 1.36 inches Border length (L) = 608 ft  
Inflow time (Ti) = 8 hours, 0 minutes

| Flow per<br>Border<br>(cfs) | Unit<br>Flow<br>(cfs/ft)                                  | Gross<br>Application<br>(in) | Deep<br>Percolation<br>(in) | Runoff<br>(in) | Application<br>Efficiency<br>(percent) | Notes       |
|-----------------------------|-----------------------------------------------------------|------------------------------|-----------------------------|----------------|----------------------------------------|-------------|
| 2.58                        | Gross depth is less than required gross application depth |                              |                             |                |                                        |             |
| 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                        | 0.040                                                     | 22.56                        | 21.19                       | 0.01           | 6.0                                    | (2) (3) (4) |
| 2.63                        | 0.040                                                     | 22.65                        | 21.19                       | 0.10           | 6.0                                    | (2) (3) (4) |
| 2.64                        | 0.040                                                     | 22.74                        | 21.19                       | 0.19           | 6.0                                    | (2) (3) (4) |
| 2.65                        | 0.040                                                     | 22.82                        | 21.19                       | 0.27           | 6.0                                    | (2) (3) (4) |
| 2.66                        | 0.040                                                     | 22.91                        | 21.19                       | 0.36           | 5.9                                    | (2) (3) (4) |
| 2.67                        | 0.040                                                     | 23.00                        | 21.19                       | 0.44           | 5.9                                    | (2) (3) (4) |
| 2.68                        | 0.041                                                     | 23.08                        | 21.19                       | 0.53           | 5.9                                    | (2) (3) (4) |
| 2.69                        | 0.041                                                     | 23.17                        | 21.19                       | 0.62           | 5.9                                    | (2) (3) (4) |
| 2.70                        | 0.041                                                     | 23.25                        | 21.19                       | 0.70           | 5.8                                    | (2) (3) (4) |

- (2) Erosive stream-- non-sod forming crops.
- (3) Erosive stream-- sod forming crops.
- (4) Less than minimum recommended depth of flow.

$$\frac{66 \times 608}{43560} = 0.9219 \text{ ac}$$

$$\frac{2.162 \text{ cfs}}{0.9219 \text{ ac}} = 2.34 \text{ cfs/ac}$$

CLAIM NO. --- 72  
 AGENT ----- RVW  
 DATE ----- 08/09/94

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

\*\*\*\*\*  
 SOIL CHARACTERISTICS

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

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

Management Allowed Deficit (MAD)

| crop | root<br>depth<br>(ft) | stress<br>point (INCHES) | MAD | FIELD NOTES AND CALCULATIONS                         |          |         |         |
|------|-----------------------|--------------------------|-----|------------------------------------------------------|----------|---------|---------|
|      |                       |                          |     | FIELD 1                                              | FIELD 2  | FIELD 3 | FIELD 4 |
|      |                       |                          |     | FIELD WIDTH                                          | 1190     | 0       |         |
|      |                       |                          |     | IRRIGATION DAYS                                      | 6        |         |         |
|      |                       |                          |     | DRY DAYS                                             | 0        |         |         |
|      |                       |                          |     | SET TIME(hours)                                      | 8        |         |         |
|      |                       |                          |     | CALCULATED RUN (run = acres*43560/width)             |          |         |         |
|      |                       |                          |     | RUN =                                                | 608      |         |         |
|      |                       |                          |     | CALCULATED BORDER WIDTH (ditch length/irr days * cha |          |         |         |
|      |                       |                          |     | WIDTH =                                              | 66       |         |         |
|      |                       |                          |     | THEORETICAL ROTATION (mad/net irr req in inches per  |          |         |         |
|      |                       |                          |     | SELECTED MAD =                                       | 1.36     |         |         |
|      |                       |                          |     | ROTATION =                                           | 5.9 DAYS |         |         |

\*\*\*\*\*

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS  
 Figure No = 10-15

| crop    | acres | system | recomm.<br>eff. | Net Irrigation Requirement (mm/day) |      |      |      |      |      |      |
|---------|-------|--------|-----------------|-------------------------------------|------|------|------|------|------|------|
|         |       |        |                 | mar                                 | apr  | may  | jun  | jul  | aug  | sep  |
| PASTURE | 16.6  | FLOOD  | 12.7            | 1.47                                | 3.84 | 4.87 | 5.86 | 4.56 | 3.23 | 2.07 |
| ALFALFA |       | FLOOD  | 12.7            | 1.28                                | 4.51 | 5.65 | 6.25 | 4.45 | 2.52 | 0.7  |

Summary 16.6 13 1.47 3.84 4.87 5.86 4.56 3.23 2.07  
 Peak Net Irrigation Requirement (mm/day) = 5.86

\*\*\*\*\*

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

RECOMMENDATIONS:

| REC.<br>PURPOSES     | REC. PERIOD              |       | REC. DIV<br>RATE CFS | REC. DIV<br>VOL. AE/A      |                 | REC. CONS.<br>USE                |
|----------------------|--------------------------|-------|----------------------|----------------------------|-----------------|----------------------------------|
|                      | FROM                     | TO    |                      |                            |                 |                                  |
| IRRIGATION           | <del>03-01</del><br>4/15 | 08-01 | DATABASE<br>3.000    | EXAMINER<br><del>296</del> | DATABASE<br>N/A | EXAMINER<br><del>728</del> 116.2 |
| TOTAL FOR THIS RIGHT |                          |       | 3.000                |                            | N/A             | 116.2                            |

REVIEWED BY: *RVW* DATE: *8/9/94*

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP  
FOREFEIT/ABANDON  
ADDITIONAL DIV. AMOUNT

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-04085  
TOTAL DIVERSION RATE OF WR SPLITS

DATABASE  
3.000

EXAMINER

CFS

N/A. No Splits

SPLITS:

| OLD RIGHT<br>NUMBERS | CURRENT<br>CLAIM NUMBERS | DIVERSION<br>RATE | CURRENT "R"<br>CLAIM NUM. | "R" DIV.<br>RATE | WR RIGHT<br>NUMBERS | DIVERSION<br>RATE |
|----------------------|--------------------------|-------------------|---------------------------|------------------|---------------------|-------------------|
| -                    | A72-04085                | 3.000             | -                         | -                | 72-04085            | 3.000             |

TOTAL CFS

3.000

3.000

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  
Y

FIELD  
EXAMINER

No Splits

REMARKS:

AUTHENTICATION:

SIGNATURE:

*Robert W. Morstett*

DATE:

8/9/94

NAME OF FIELD EXAMINER:

ROBERT MORSTETT

TITLE:

Sn Adj. Agent

CLAIM NUMBER: A72-04085

| OWNER<br>CODE                                  | NAME & ADDRESS                                                         | PRIORITY<br>DATE | WATER USE                                                      | USE PERIOD<br>FROM TO | DIVERSION<br>RATE            | DIVERSION<br>VOLUME |
|------------------------------------------------|------------------------------------------------------------------------|------------------|----------------------------------------------------------------|-----------------------|------------------------------|---------------------|
| C                                              | ROBERTA H. GREEN<br>P.O. BOX 213<br>CHALLIS ID 83226<br>(208) 879-2320 | 04/01/1910       | IRRIGATION                                                     | 03-01 08-01           | 3.00 CFS                     | 3.00 CFS            |
|                                                |                                                                        |                  | TOTAL DIVERSION:<br>CONSUMPTIVE USE:                           |                       |                              | 120.0 AFA           |
|                                                | Water Source: CHALLIS CREEK                                            |                  | Tributary to: SALMON RIVER                                     |                       | Stage: STATUTORY CLAIM       |                     |
|                                                | Point(s) of Diversion:                                                 | TIAN RISE S07    | NWSWNW                                                         |                       | CUSTER County                |                     |
| Place of use Legal Description for: IRRIGATION |                                                                        |                  |                                                                |                       |                              |                     |
| I                                              | R S : NENE NWNE SWNE SESE NE<br>Lt Ac Lt Ac Lt Ac Lt Ac                | :                | NENW NWNW SWNW SENW NESW NWSW SWSW SESW NESE NWE SESE SESE SUM | :                     | :<br>Lt Ac Lt Ac Lt Ac Lt Ac | :<br>43.0<br>48.0   |
| 14N 19E 28 :                                   |                                                                        | :                | 28 18 02 :                                                     | :                     |                              | TOTAL ACRES         |

POU County: CUSTER

Other Rights: A72-00056, A72-02149E, A72-00032D

Dates: Exam Made Date: Verified Date: 01/28/1986

|       |                        |                        |
|-------|------------------------|------------------------|
| Misc: | Water District Number: | Field Inspection Flag: |
|       |                        | Presumption Flag:      |

88

BLM

24 ID

16  
21

16  
21

High Line  
20 21  
27 28

21 22  
23 27

T14N  
R19E

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

Approx Scale  
1" = 1100'

**R PROOF**



**CVR**

**MAPS**

**PHOTOS**

**MISC**

**MICROFILMED**

**MAR 18 1993**

Overl Review  
ROBERTA GREEN CLAIMS

11/16/92  
R.V. 28

|         | NUMBER              | TNS | RNG | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | TOTAL | SYSTEM TOTAL |
|---------|---------------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------------|
|         |                     |     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |       |              |
| Claimed | 72-00032-14N 19E 28 |     |     |     |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    |    |    | 25    |              |
|         | 72-00056            |     |     | 28  |    |    |    |    | 40 |    | 2  |    |    |    |    |    |    |    |    |    | 42    |              |
| Storage | 72-02149E           |     |     | 28  |    |    |    |    | 40 | 25 | 2  |    |    |    |    |    |    |    |    |    | 67    |              |
|         | 72-04085            |     |     | 28  |    |    |    |    | 28 | 18 | 2  |    |    |    |    |    |    |    |    |    | 48    |              |

|  | NUMBER | TNS | RNG | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | TOTAL | SYSTEM TOTAL |
|--|--------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------------|
|  |        |     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |

|  | NUMBER | TNS | RNG | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | TOTAL | SYSTEM TOTAL |
|--|--------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------------|
|  |        |     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |

|  | NUMBER | TNS | RNG | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | TOTAL | SYSTEM TOTAL |
|--|--------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------------|
|  |        |     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |
|  |        |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |              |

MICROFILMED

MAR 18 1993