

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: A43-10564
Date Received: 6/07/1989
Receipt No: C007300
Received By: ✓ecc

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: ALVIN CARPENTER 208-645-2347
Address: HC 61 BOX 1210
MALTA, ID 83342

2. Date of Priority: MAY 01, 1882

3. Source: DRY WASH Trib. to: RICE-LESSEY DITCH

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
14S	25E	5	NW	NE	SW		CASSIA

5. Description of diverting works:
HEADGATE AND LATERAL IN DRY WASH TO LATERAL.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	03/15	11/15	0.280		

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

8. Total consumptive use is 69.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
14S	25E	5	SE	NW		IRR	14.0

Section Acres 14.0

Total Acres 14.0

A43-10564

Page 1

Date: 07/10/89

MICROFILM
MAR 05 199

11. Place of use in counties: CASSIA

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

13. Other Water Rights Used:
A4300342

14. Remarks:

15. Basis of Claim: BENEFICIAL USE

16. Signature(s)

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

Number of attachments: _____

For Individuals:

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

Signature of Claimant(s): _____ Date: _____
_____ Date: _____

State of Idaho)
County of _____) SS.

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

Notary Public

Seal

Residing at _____
My Commission Expires _____

4/5/1989

SNDX CLAIMS RECEIVING CHECKLIST

CLAIMANT'S NAME

Carpenter

CLAIM IDENT. NO.

A43-10564

DATE RECEIVED

6/8/89

007300

AMOUNT \$

10.35

YES

NO

Required Info?

1. Is the name and address complete with zip code? ☒ YES ☐ NO *
2. Is a priority date entered? ☒ YES ☐ NO *
- Is the priority date acceptable in view of mandatory filing dates? ☒ YES ☐ NO *
- See Adjudication Memos #1 and #4 to determine if a Permit is required. ☒ YES ☐ NO *
3. (a) Is a source entered? ☒ YES ☐ NO *
- (b) Is a tributary to entered? (if required) ☒ YES ☐ NO N/A *
4. Is the legal description of the p.d. sufficient? ☒ YES ☐ NO *
5. Is there a description of the diverting works? ☒ YES ☐ NO *
6. Are the water uses appropriate for the form? The short form is limited to domestic and stockwater uses with direct diversion. All claims that include storage or instream stockwater must use long form. ☒ YES ☐ NO *
- Is the period of use included? ☒ YES ☐ NO *
- Is a quantity claimed for each use? ☒ YES ☐ NO *
7. Is a total quantity claimed entered? ☒ YES ☐ NO *
8. If required is a consumptive use entered? ☒ YES ☐ NO N/A *
- Is the consumptive use correct? ☒ YES ☐ NO N/A *
9. Are the non-irrigation uses listed properly? If this claim is on the short form, and more than one domestic use is listed, single ownership must be stated. If not under single ownership, see Adjudication Memo # 4. ☒ YES ☐ NO N/A *
10. Is (are) the place(s) of use and purpose(s) indicated? ☒ YES ☐ NO *
11. Is (are) the county(ies) entered? ☒ YES ☐ NO *
12. Is the ownership of p.u. checked? ☒ YES ☐ NO *
13. Are other water rights listed or "none" indicated? ☒ YES ☐ NO *
14. If required, are remarks correct? (If the claimant does not own the place of use, authority for filing the claim must be explained in the remarks.) ☒ YES ☐ NO N/A *
15. Is the basis of the claim indicated? ☒ YES ☐ NO *
16. If the claimant requested a monthly docket sheet, is payment enclosed? (If yes, describe payment status in "Comments" below.) ☒ YES ☐ NO N/A *
17. Is the claim signed by the claimant, and is the signature appropriate? Organizations must complete the organization block. ☒ YES ☐ NO *
18. Has the claim been signed, sealed, and dated by a notary? ☒ YES ☐ NO *
19. Was this claim filed on time, or was an extension granted? ☒ YES ☐ NO *
20. Is the fee enclosed correct? ☒ YES ☐ NO Exempt *
21. If this claim is based on an existing water right, has the identification number been entered? ☒ YES ☐ NO N/A *
22. Should this claim be data entered? ☒ YES ☐ NO *

Claim checked by: BDate: 6/19/89Claim must be returned to claimant: ☐ (Yes) ☐ (No)Claimant must be notified of modifications: ☐ (Yes) ☐ (No)Receipt Prepared by: ABClaim data entered by: ABSent to claimant by: ABDate: 7/10/89Date: 7/10/89Date: 7/10/89Checked by: ABDate: 7/10/89Comments: Receipt needs to be modified

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MAR 05 1993

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

Date Received

Receipt Number

6-7-89
C007300
A43-1056

NOTICE OF CLAIM
TO A
WATER RIGHT

ACQUIRED UNDER STATE LAW

RECEIVED
JUN 07 1989

Department of Water Resources

Please type or print clearly

1. Name of Claimant (s) Alvin Carpenter Phone (208) 645-2347Mailing Address HC 61 Box 1210 Zip 833422. Date of Priority (Only one (1) per claim) 5/1/18823. Source of water supply (a) Dry Wash
which is tributary to (b) Rick - Lessey Ditch -4. a. Location of existing point of diversion is: Township 14S Range 25E Section 5,
NW 1/4 of NE 1/4 of SW 1/4, Govt. Lot, _____ B.M., County of _____

Additional points of diversion if any: _____

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

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

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

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

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

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

in Dry Wash to Lateral Headgate and Lateral

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6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For Irrigation purposes from 3/15 to 11/14 amount 0.28 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) 0.28 (cfs) and/or (b) 69 (acre feet)

8. Total consumptive use claimed is 69 acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) None

10. Description of place of use:

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

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

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
<u>14S</u>	<u>25E</u>	<u>5</u>								<u>14</u>									<u>14</u>

Total number of acres irrigated

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

12. Do you own the property listed above as place of use? Yes ☒ No ☐
If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above.
43-00342 or None ()

14. Remarks:

Last Name Carpenter Ident No. _____

Copies: White - State, Yellow - Applicant

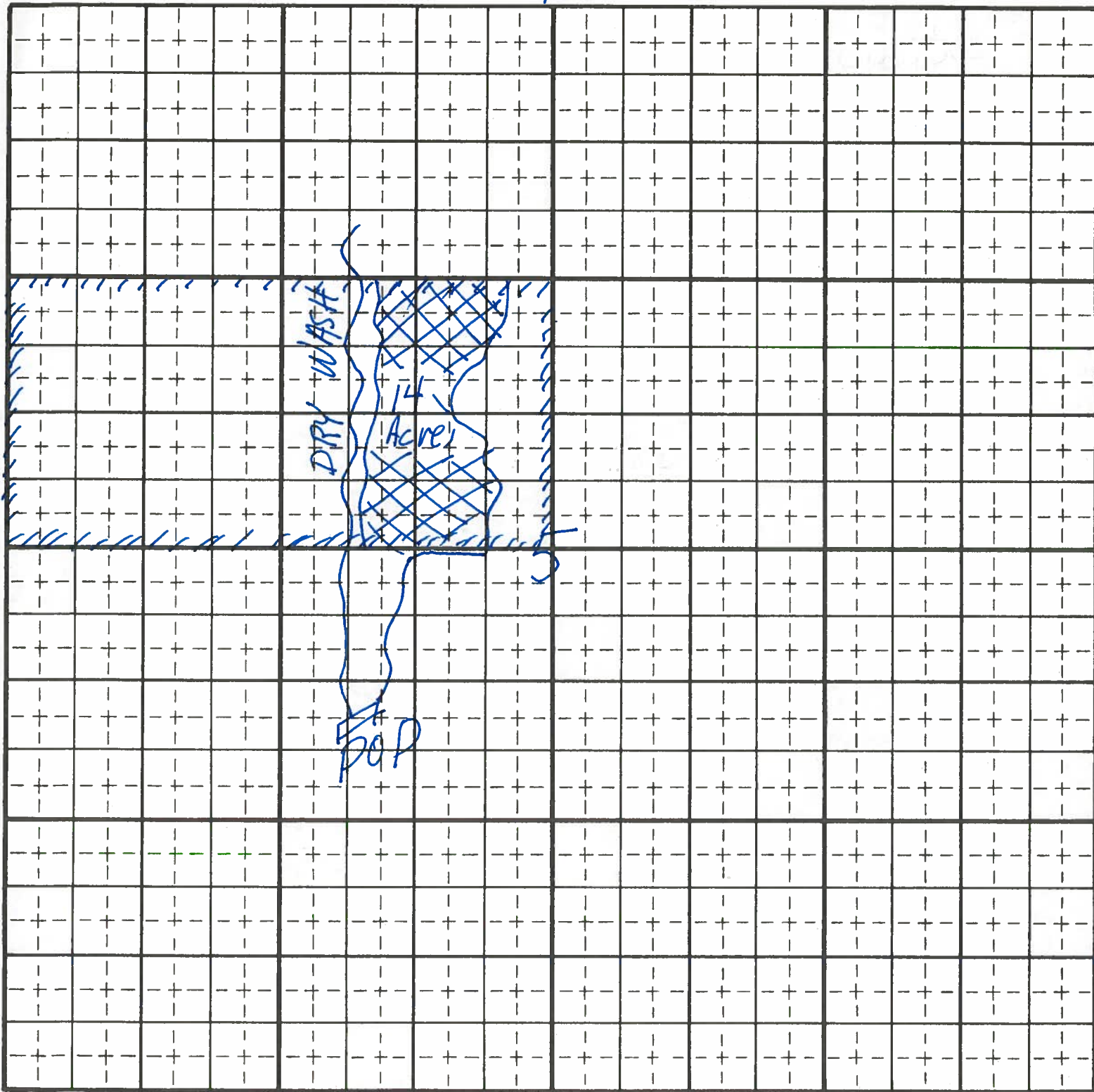
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MAR 05 1993

Map of Project: show clearly the point of diversion, place of use, section number, township, and range number.

Scale: 2 inches equals 1 mile

N.



14S 25E Sec 5

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Last Name

Carpenter

Ident No.

Copies: White-State, Yellow-Claimant

MAR 05 1993

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

Decree ☐

If applicable provide IDWR Water Right Number

Court Case Number Decree Date

Plaintiff vs Defendant

16. Signature (s)

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

Number of attachments 0

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

Signature of Claimant (s) Alvin Carpenter Date May 30, 1989
Date

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

Title

of , that I have signed the foregoing

Organization

document in the space below as of

Title

Organization

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

Signature of Authorized Agent

Title and Organization Date

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

Subscribed and sworn (or affirmed) before me this 30 day of May 19 89

SEAL

Notary Public Bruce A. Schuld

Residing at BRUCE A. SCHULD, NOTARY PUBLIC

RESIDING AT BOISE, IDAHO

My Commission Expires MY COMMISSION EXPIRES APRIL 11, 1995

Please Print Name

17. Notice of Appearance:

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

Signature

Address

Date

Last Name Carpenter Ident. Number



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

CECIL D. ANDRUS
Governor

December 5, 1991

R. KEITH HIGGINSON
Director

A43-10564
ALVIN CARPENTER
HC 61 BOX 1210

MALTA

ID 83342

RE: Evidence of Priority

RESPONSE DEADLINE
FEBRUARY 3, 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 **February 3, 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

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MAR 05 1993

To Whom It May Concern:

I, Wells Hepworth am hereby making a statement of fact as I recall and believe, regarding the irrigation practices, locations, (of ditches and points of diversion) for the Joe Whitaker place, Elba, Idaho, location and legal description as follows:

Section 5: South 65.12 rods of the South Half Northwest Quarter (S $\frac{1}{2}$ NW $\frac{1}{4}$) North 14.72 rods of the North Half Southwest Quarter (N $\frac{1}{2}$ SW $\frac{1}{4}$) all in Township 14 South, Range 25 East Boise Meridian.

It is to my knowledge that this place has been sold and passed on to other owners, from Whitakers to John Martin to Ordell Simper to Spencer Black and now is owned by Alvin Carpenter, who also rented it while it was owned by Spence Black. Other folks who have either rented it or were hired by the various owners to irrigate include Ted Whitaker, Guy Whitaker, Otis Edwards, Glen Taylor, George Crofts, --however I shall hereafter refer to it as the "Whitaker place".

As a teenager I was hired by Joe Whitaker to irrigate this ranch for a summer while he worked on his dry farm some miles south. He was quite specific in his instructions as to how and where it was to be done, I do not recall the exact year, but but can state that it was prior to the year of my marriage which was 1927.

I irrigated with the decreed water which was diverted from Cassia Creek at the mouth of Green Canyon by way of the Barker Ditch, and diverted from the Barker ditch some distance south west in the field now owned by E. Elison. The ditch ran through the Lewis Ottley place and/or the Sam Barker place to the South side of the Whitaker place. There was also a diversion from the Barker ditch east of the corrals above the road, near the Whitaker home.

I also irrigated with the water from the "dry wash", the point of diversion being approximately 10 $\frac{1}{2}$ rods south of the Whitaker-Brig Barker fence, in the Barker place now owned by Glen Taylor. The diversion dam was constructed of wood planks, anchored to cedar posts set in each bank. I was shown how to place the planks and plug the cracks with burlap, to hold all the water possible. The ditch carried the water north along the east bank of the wash to the north edge of the Barker place, then east to the fence and through onto the right-of-way, along it several rods north and back into the Whitaker field, northerly around the ridge below the home and orchard and down the east edge of the field to the Darrington-Whitaker fence. The water from the wash was used all the while the decreed water was on, and on through the summer as long as there was any water at the diversion.

I also irrigated with waste water coming onto the Whitaker place from the south from the Sam Barker place (now R. Anderson) and the Lewis Ottley place, and with spring water and waste water from the Charles Ottley (now Sharlene Ottley) place on the west side of the place.

I worked for Mr. Whitaker at various farm jobs in years before and after that summer, so had many opportunities to observe these same irrigation practices being carried on from year to year, until the new highway bypassed the place. Since then I have not paid much attention to what was being done..

To the best of my knowledge, the only ditches through the Whitaker place that Lorenzo Darrington, George Darrington or Keith Darrington have had a right to use was a ditch used jointly by Whitakers and Darringtons running south to north through the center of the field west of the dry wash, being diverted from the Barker ditch; also a ditch on the east side of the wash, diverted from the dry wash 15 rods south of the Darrington-Whitaker fence line running north along the east bank of the wash to the Darrington property.

It has been my understanding throughout the years that Darringtons have had the right to divert the water, up to forty inches, that rises and flows in the dry wash below the Whitaker diversion and the point of confluence of the wash and the Rice-Lessey ditch in the Darrington field.

On this 7 day of Oct 1927, before me, a notary public in and for said State, personally appeared _____ whose name is _____ and who subscribed to the foregoing statement and that _____ is the same.

Kathleen E. Black
Notary Public

Residing at _____
My Commission Expires 1-7-31

Wells Hepworth

MICROFILMED

For Claim A43-10564 MAR 5 1993

DARRINGTON & HURD DITCH

RICE-LEESLEY DITCH

J. R. HURD DAM
NEW DAM

WASH

MAKER DITCH

132" * Alt. 151 mch
1320 ft. 4 mch.
2140 ft. " "
5252 ft. 1 " "
100 ft = 5 mch = 100 ft

10.88 ft



26 ft. 10 in. from N.E. T.

244
1908

04/05/2001

IDAHO DEPARTMENT OF WATER RESOURCES
Adjudication Recommended Right Report

WATER RIGHT NO. 43-10564

Owner Type Name and Address
Current Owner ALVIN CARPENTER
 2079 E 1700 S
 MALTA, ID 83342
 (208)645-2347

Priority Date: 05/01/1882
Basis: Beneficial Use
Status: Active

Source Tributary to
DRY WASH CASSIA CREEK

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	04/01	10/31	0.28 CFS		

Total Diversion 0.28 CFS

Location of Point(s) of Diversion:

DRY WASH NWNESW Sec. 05 Township 14S Range 25E CASSIA County

IRRIGATION Use:
Acre Limit: 14

Place(s) of use:

Place of Use Legal Description: IRRIGATION CASSIA County

<u>Townshi</u>	<u>Rang</u>	<u>Sectio</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
14S	25E	5		SENE	12									
				NESW	3.4									

Total Acres: 15.4

Conditions of Approval:

- C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

Remarks:

- Place of Use - Irrigation USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 59.4 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS. 43-342 AND 43-10564
- Place of Use - Irrigation THIS RIGHT IS LIMITED TO THE IRRIGATION OF 14 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

04/05/2001

IDAHO DEPARTMENT OF WATER RESOURCES
Adjudication Claim Report

WATER RIGHT NO. 43-10564

Owner Type Name and Address
Current Owner ALVIN CARPENTER
 2079 E 1700 S
 MALTA, ID 83342
 (208)645-2347

Priority Date: 05/01/1882
Basis: Beneficial Use
Status: Active

Source Tributary to
DRY WASH RICE LESSEY DITCH

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	3/15	11/15	0.28 CFS		
Total Diversion			0.28 CFS		

Location of Point(s) of Diversion:

DRY WASH NWNESW Sec. 05 Township 14S Range 25E CASSIA County

IRRIGATION Use:
Acre Limit: 14

Place(s) of use:

Place of Use Legal Description: IRRIGATION CASSIA County

<u>Townshi</u>	<u>Rang</u>	<u>Sectio</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
14S	25E	5		SENW	14									

Total Acres: 14

03/07/2001

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 43-10564

NAME AND ADDRESS: ALVIN CARPENTER
HC 61 BOX 1210
MALTA, ID 83342

SOURCE: DRY WASH

TRIBUTARY: CASSIA CREEK

QUANTITY: 0.28 CFS

VERIFIED BY

KKC

PRIORITY DATE: 05/01/1882

POINT OF DIVERSION: T14S R25E S5

NWNESW

Within CASSIA County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE
IRRIGATION

PERIOD OF USE
04-01 10-31

QUANTITY
0.28 CFS

PLACE OF USE:

IRRIGATION Within CASSIA County
T14S R25E S5

SESW

12

T14S R25E S5

NESW

3.4

15.4 ACRES TOTAL

USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION
OF A COMBINED TOTAL OF 59.4 ACRES IN A SINGLE IRRIGATION
SEASON. COMBINED RIGHT NOS. 43-342 AND 43-10564

THIS RIGHT IS LIMITED TO THE IRRIGATION OF 14 ACRES WITHIN
THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION
SEASON.

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

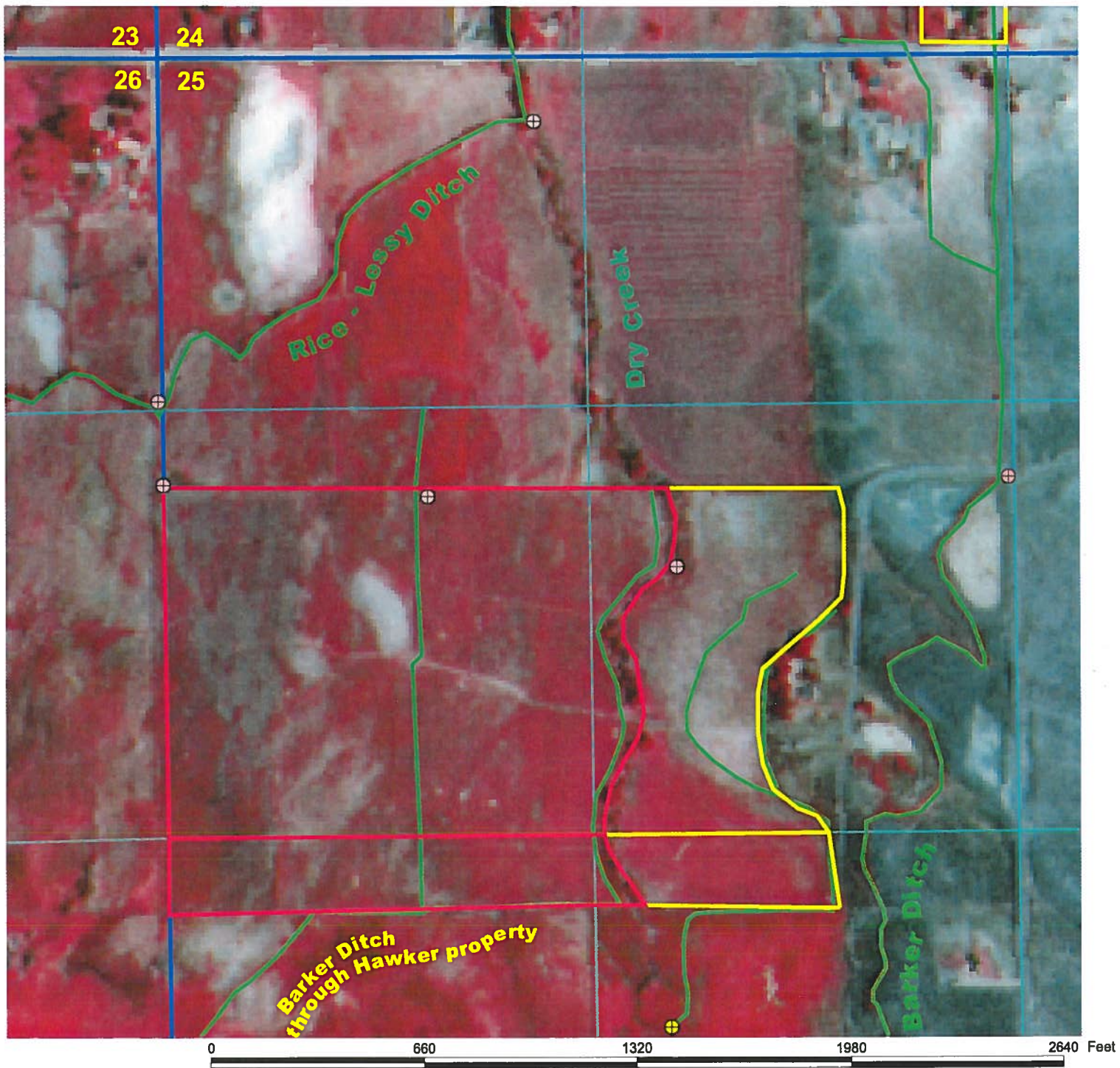
THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS
NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE
EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE
ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER
THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6),
IDAHO CODE.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Beneficial Use

IDAHO DEPARTMENT OF WATER RESOURCES

43-10564

PLACE OF USE LAYOUT



TWP 14S; RNG 25E;
FIELD EXAM DATE AGENT

JPEG LAYOUT CREATED

GIS PLACE OF USE PRESENTATION
1987 AND/OR 1988 NAPP PHOTOGRAPHY
DATA ENTRY BY KELLY K CHRISTENSEN

- ELBA AREA STREAMS
- ELBA AREA DITCH SYSTEM
- OUTSIDE CLAIMED P/U
- CLAIMED POINT OF DIVERSION
- CLAIMED PLACE OF USE
- SECTION LINES
- QUARTER QUARTER LINES



A43-10⁵⁶⁴

Carpenter

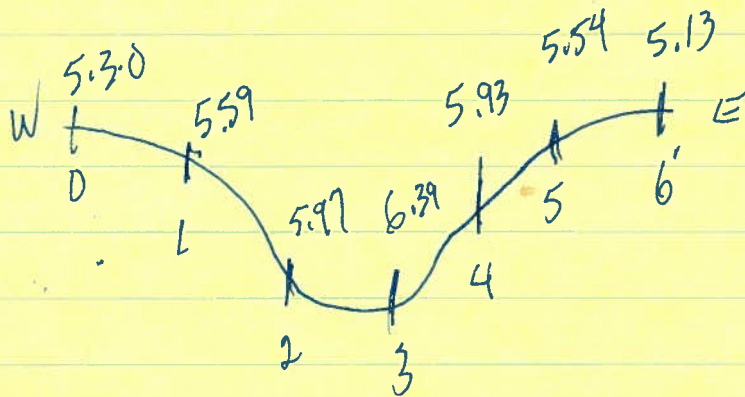
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8-2-94

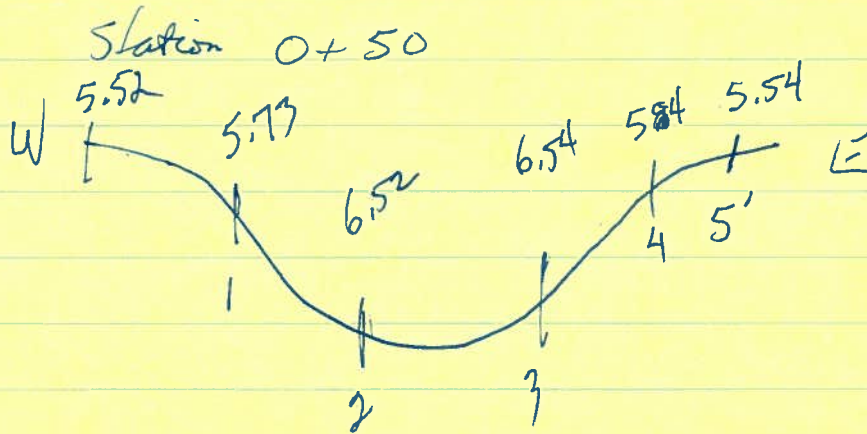
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ADM

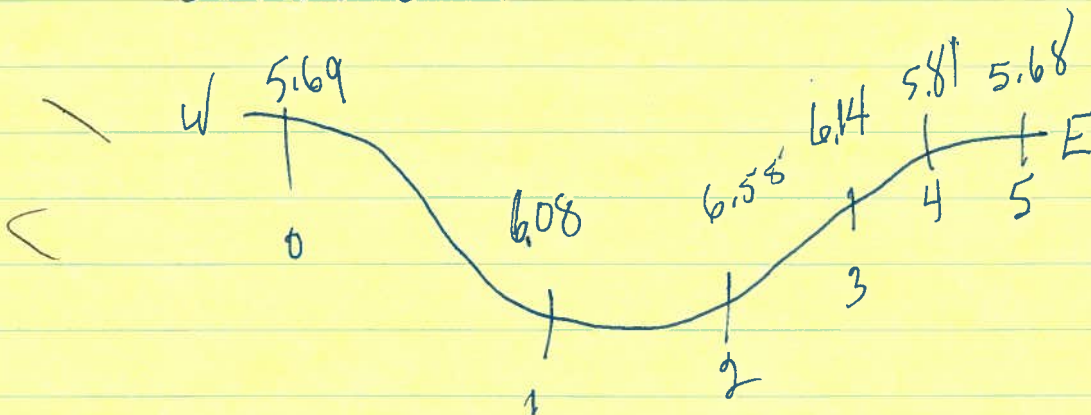
Station 0+00



logged pic as
#4 (carpenter)



Station 0+100



MANNING EQUATION CHANNEL CAPACITY RESULTS

09-28-2000

File Number: A43-10564
Claimant: CARPENTER
Channel measured: #10
Date of measurement: 08/02/1994
Measurement location:

Calculation prepared by: SCOTT KING

Comments about the measurement:

ANALYSIS PERFORMED FOR SURVEY DATA SUPPLIED
BY KELLY CHRISTENSEN OF SOUTHERN REGION

The results of the calculation are:

The length of the channel measured is 100 feet.
The upstream and downstream rod readings are 5.40 and 5.79 feet.
The channel cross section is 1.92 ft-sq.
The wetted perimeter is 4.74 feet.
The hydraulic radius is 0.40 feet.
The slope is 0.0039
The roughness coefficient is 0.0600
The flow velocity is 0.848 ft/sec.
The rate of flow is 1.63 cfs.

CROSS SECTION NUMBER 1

For File Number A43-10564 for the #10

Number	Rod Reading	Water Depth	Distance
1	5.40	0.00	0.34
2	5.59	0.19	1.00
3	5.97	0.57	2.00
4	6.39	0.99	3.00
5	5.93	0.53	4.00
6	5.54	0.14	5.00
7	5.40	0.00	5.34

The area for this cross section is 2.34 square feet
and the wetted perimeter is 5.38 feet.

CROSS SECTION NUMBER 2

For File Number A43-10564 for the #10

Number	Rod Reading	Water Depth	Distance
1	5.64	0.00	0.57
2	5.73	0.09	1.00
3	6.52	0.88	2.00
4	6.54	0.90	3.00
5	5.84	0.20	4.00
6	5.64	0.00	4.67

The area for this cross section is 2.01 square feet
and the wetted perimeter is 4.63 feet.

CROSS SECTION NUMBER 3

For File Number A43-10564 for the #10

Number	Rod Reading	Water Depth	Distance
1	5.79	0.00	0.26
2	6.08	0.29	1.00
3	6.58	0.79	2.00
4	6.14	0.35	3.00
5	5.81	0.02	4.00
6	5.79	0.00	4.15

The area for this cross section is 1.40 square feet
and the wetted perimeter is 4.21 feet.

Carpenter

A43-10564

#10

by S. King 9/2000

Station

Bankfull Depth

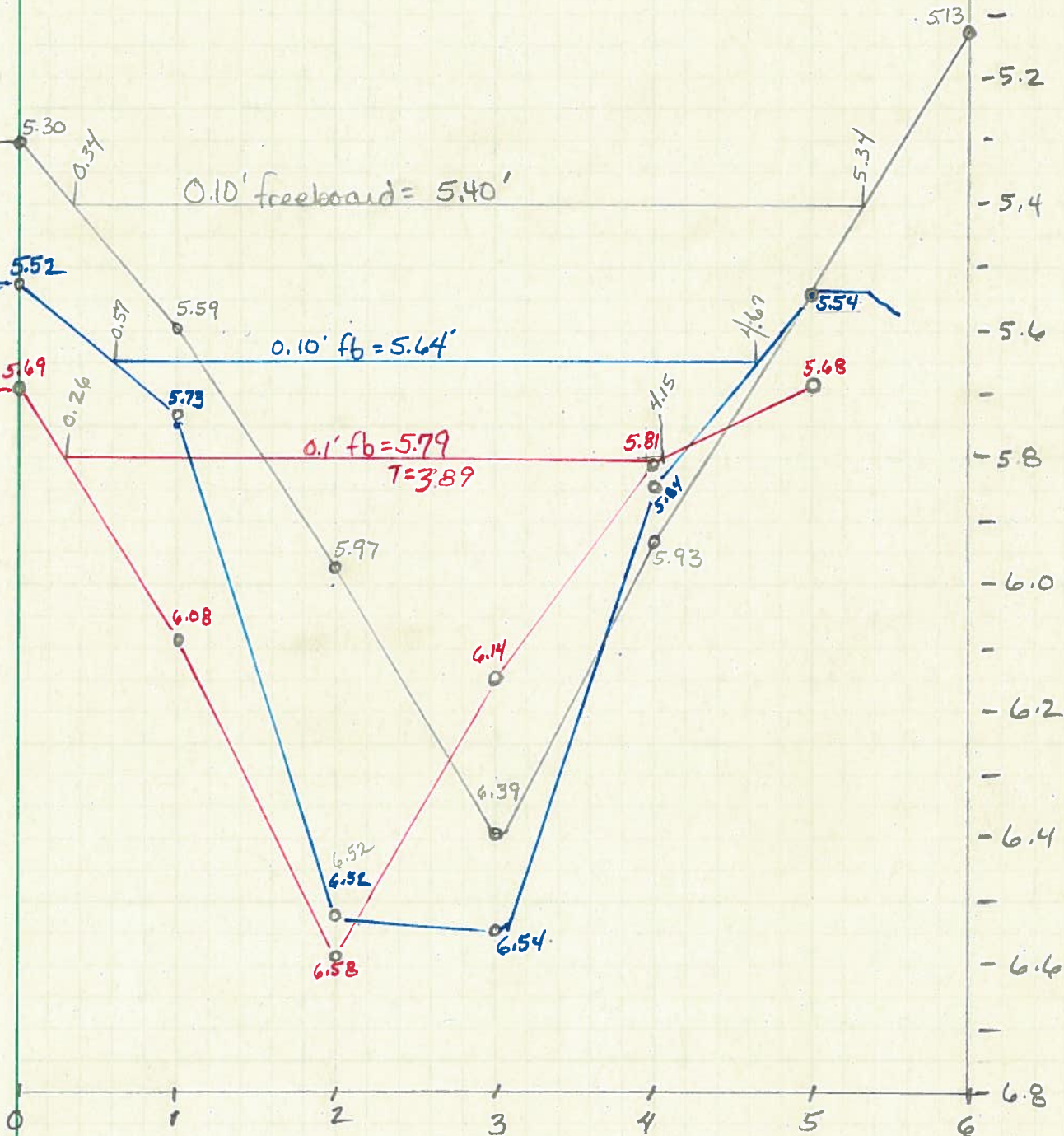
Slope

0
50
100

1.09
1.02 -98 1.0
0.89

Channel: $(6.39 - 6.58) \div 100 = 0.002$
WSE: $(5.40 - 5.79) \div 100 = 0.004$ -5.0

50 SHEETS
22-141
100 SHEETS
22-142
200 SHEETS
22-144



Carpenter

A43-10564 #10

by S King 9/2000

Check critical flow at small section (#3)

$$A = 1.40 \text{ ft}^2$$

$$Q = 1.63 \text{ cfs}$$

$$V = \frac{Q}{A} = 1.16 \text{ fps}$$

$$T = 3.89 \text{ ft}$$

$$D_H = \frac{A}{T} = 0.36 \text{ ft}$$

$$F_r = \frac{V}{\sqrt{32.2 D_H}} = 0.34 \Rightarrow \text{Subcritical} \\ \text{Okay} \checkmark$$