

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: A75-04207
Date Received: 5/09/1990
Receipt No: M006995
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: NORTON DITCH CO. 208-756-2809
Address: 1510 HWY 93N
SALMON, ID 83467

2. Date of Priority: OCT 20, 1887

3. Source: SALMON RIVER Trib. to: SNAKE RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
21N	22E	6	SW	SE	NE		LEMHI

5. Description of diverting works:
DAM & SPILLWAY/ CONCRETE HEADGATE

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	12/01	96.200		
STOCKWATER	01/01	12/31	0.300		

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

8. Total consumptive use is 4810.0 Acre Feet Per Annum.

9. Non-irrigation uses:
S/ 1000 HEAD CATTLE

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
22N	22E	19	NE	NE		IRR	25.0
			NW	NE		IRR	10.0
			SW	NE		IRR	40.0

A75-04207

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Date: 05/22/90

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10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
22N	22E	19	SE	NE		IRR	39.0
			NE	NW		IRR	2.0
			SE	NW		IRR	18.0
			NE	SW		IRR	40.0
			NW	SW	3	IRR	2.0
			SE	SW		IRR	37.0
			NE	SE		IRR	39.0
			NW	SE		IRR	40.0
			SW	SE		IRR	39.0
			SE	SE		IRR	39.0
			Section Acres				370.0
		20	NE	NW		IRR	5.0
			NW	NW		IRR	35.0
			SW	NW		IRR	35.0
			SE	NW		IRR	8.0
			NE	SW		IRR	2.0
			NW	SW		IRR	35.0
			SW	SW		IRR	40.0
			SE	SW		IRR	10.0
			Section Acres				170.0
		29	NW	NE		IRR	3.0
			SW	NE		IRR	8.0
			NE	NW		IRR	37.0
			NW	NW		IRR	40.0
			SW	NW		IRR	40.0
			SE	NW		IRR	40.0
			NE	SW		IRR	40.0
			NW	SW		IRR	40.0
			SW	SW		IRR	40.0
			SE	SW		IRR	40.0
			NW	SE		IRR	9.0
			SW	SE		IRR	17.0
			Section Acres				354.0
		30	NE	NE		IRR	39.0
			NW	NE		IRR	39.0
			SW	NE		IRR	39.0
			SE	NE		IRR	39.0
			NE	NW		IRR	40.0
			NW	NW	1	IRR	15.0
			SW	NW	2	IRR	22.0
			SE	NW		IRR	40.0
			NE	SW		IRR	40.0

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
22N	22E	30	NW	SW	3	IRR	24.0
			SW	SW	4	IRR	26.0
			SE	SW		IRR	40.0
			NE	SE		IRR	39.0
			NW	SE		IRR	39.0
			SW	SE		IRR	39.0
			SE	SE		IRR	39.0

Section Acres 559.0

31	NE	NE	IRR	30.0
	NW	NE	IRR	34.0
	SE	NE	IRR	39.0
	NE	NW	IRR	40.0
	NW	NW	1	IRR 25.0
	SW	NW	2	IRR 25.0
	SE	NW	IRR	35.0
	NE	SE	IRR	20.0
	SE	SE	IRR	20.0

Section Acres 268.0

32	NW	NE	IRR	14.0
	SW	NE	IRR	1.0
	NE	NW	IRR	40.0
	NW	NW	IRR	40.0
	SW	NW	IRR	40.0
	SE	NW	IRR	19.0
	NE	SW	IRR	5.0
	NW	SW	IRR	31.0
	SW	SW	IRR	13.0

Section Acres 203.0

Total Acres 1924.0

11. Place of use in counties: LEMHI

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

13. Other Water Rights Used:
NONE

14. Remarks:

15. Basis of Claim: 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): _____ 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 _____

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

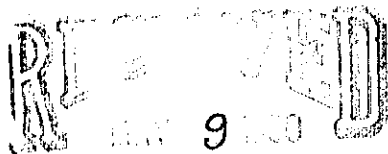
IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM

CIVIL CASE NUMBER: 39576

Ident. Number A75-04207

Date Received 5/9/90

Receipt Number MO06995



NOTICE OF CLAIM
TO A
WATER RIGHT

Department of Water Resources ACQUIRED UNDER STATE LAW

Please type or print clearly

1. Name of Claimant (s) Norton Ditch Co. AKA. Norton-Wheeler Ditch Co. Phone (208) 756-2809
- Mailing Address 1510 Hwy 93N, Salmon, ID. Zip 83467
2. Date of Priority (Only one (1) per claim) Oct 20, 1887
3. Source of water supply (a) Salmon River
which is tributary to (b) SNAKE River
4. a. Location of existing point of diversion is: Township 21N Range 22E Section 6,
SW 1/4 of SE 1/4 of NE 1/4, Govt. Lot, _____ B.M., County of Lemhi
- Additional points of diversion if any: _____
- b. If instream flow, beginning point of claimed instream flow is:
- Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,
Govt. Lot _____ B.M., County of _____
- ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,
Govt. Lot _____ B.M., County of _____
5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well.
- DIVERSION DAM AND OPEN SPILLWAY. CONCRETE
HEADGATE MEASURES 8' X 11'.

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6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For irrigation purposes from Apr 1 to Dec 1 amount 96.2 or 2

For Stockwater purposes from JAN 1 to Dec 31 amount .3 or

For purposes from to amount or

For purposes from to amount or

7. Total quantity claimed (a) 96.5 (cfs) and/or (b) (acre feet)

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

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) Stockwater - 1000 head cattle & horses.

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	
22N	22E	31	30	34	0	39	40	Lot1 25	Lot2 25	35	0	0	0	0	20	0	0	20	268
		32	0	14	1	0	40	40	40	19	5	31	13	0	0	0	0	0	203
		30	39	39	39	39	40	Lot1 15	Lot2 22	40	40	Lot3 24	Lot4 26	40	39	39	39	39	559
		29	0	3	8	0	37	40	40	40	40	40	40	40	0	9	17	0	354
		19	25	10	40	39	2	0	0	18	40	Lot3 2	0	37	39	40	39	39	370
		20	0	0	0	0	5	35	35	8	2	35	40	10	0	0	0	0	170

Total number of acres irrigated 1924

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

12. Do you own the property listed above as place of use? Yes No X
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.
 or None ()

14. Remarks:
1- All water users of Norton Ditch have elected to file as one claim.
2- See attached letter from Ralph Swift, Lemhi District conservationist. Also, the length of the canal and the gravelly bottom contributes to additional losses.

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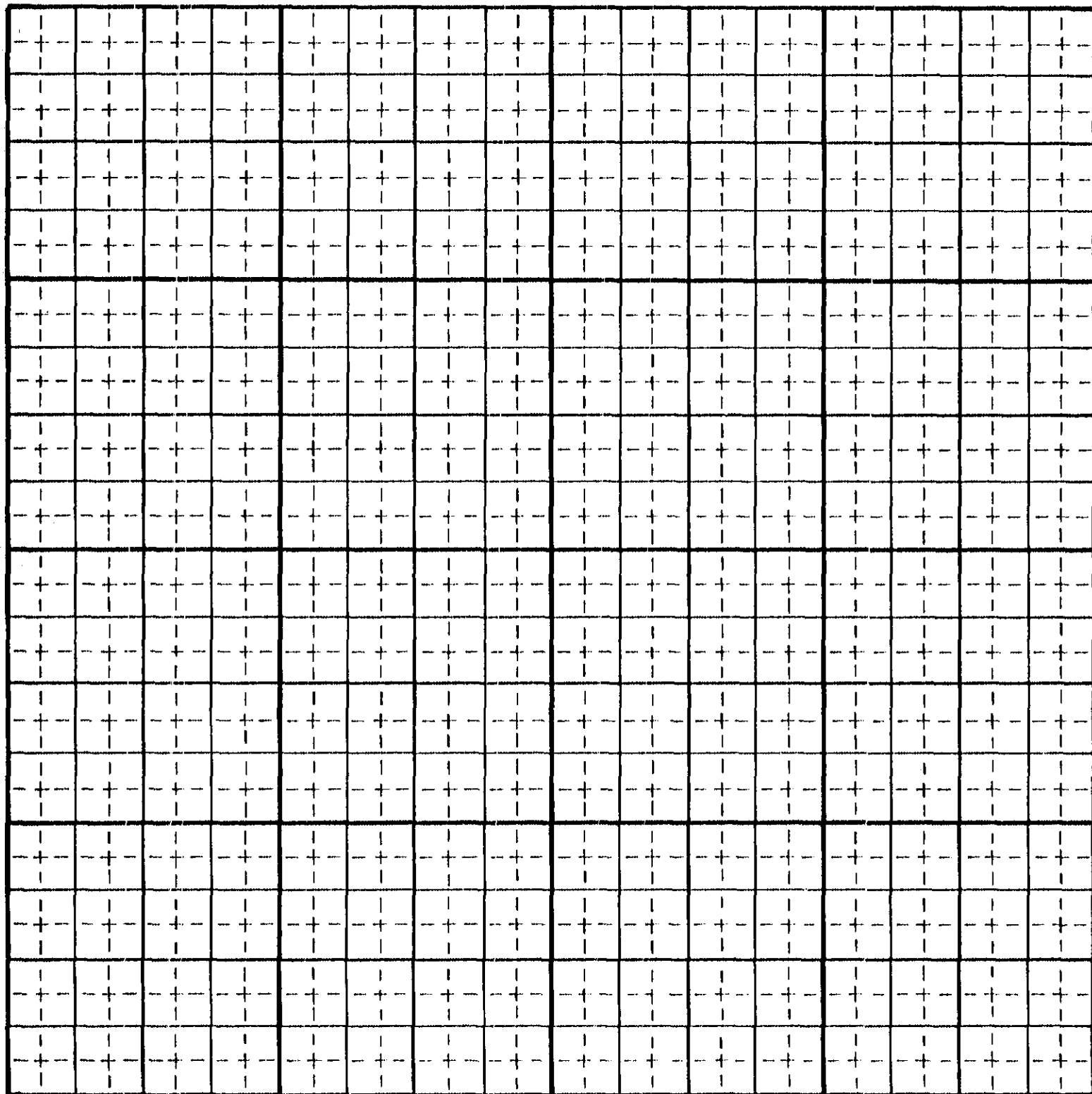
Last Name Norton Ditch Co. Ident No.

Copies: White -State, Yellow-Claimant

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

Scale: 2 inches equals 1 mile

SEE ACCOMPANYING MAP



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Last Name Norton ^(pitch) CANA CO. Ident No. _____

Copies: White-State, Yellow-Claimant

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

Decree _____

If applicable provide IDWR Water Right Number 75-4207

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 3

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

Signature of Claimant (s) _____ Date _____

_____ Date _____

For Organizations: I do solemnly swear or affirm that I am PRESIDENT AND SECY-TREASURER Title

of Norton Ditch Co. Organization, that I have signed the foregoing

document in the space below as _____ Title of _____ Organization

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

Signature of Authorized Agent John Anderson

Title and Organization PRESIDENT Norton Ditch Co. Date May 9, 1990

Michael Overacker secy-treas.
Norton Ditch Co.

State of Idaho/or _____)
County of Benewah) SS.

Subscribed and sworn (or affirmed) before me this 9th day of May 19 90

SEAL

Notary Public Laura Hendricks

Residing at Salmon

My Commission Expires 10-21-94

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 _____

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Last Name Norton Ditch Co. Ident. Number _____

Copies White-State, Yellow-Claimant

April 17, 1990

Sub: Irrigation Water Requirements.
To: Norton Ditch Company
Salmon, Idaho

Mike Overacker, of the Norton ditch company requested assistance from the Soil Conservation Service in determining the amount of irrigation water required to supply a full season of water to crops on the ditch. They are in the process of applying for a water right under the Snake River adjudication procedure. For several reasons I am only able to do a very general analysis of this need. Some of the reasons are I have limited time, there are **33** irrigators on the ditch, various size tracts are involved, various types of crops are involved, different irrigation methods are being used, soils vary and ect. For this assessment I'm assuming two things: 1) flood irrigation and 2) a alfalfa-grass crop. These would be typical of the majority of irrigation methods and crops on the ditch.

Soils vary, but a typical map unit would be the Bromaglin complex. This complex is derived on old Salmon river terraces. This soil has a silt loam surface over a gravelly sandy loam subsoil. It has an available water holding capacity of about 4.5 inches in the top 60 inches. The normal rooting depth for the alfalfa grass crop is about 30 inches. The AWC in this depth is 2.5 inches. From this using a peak consumptive use of .25 inches per day during the peak growing season then $2.5 \times 50\% = 1.25 / .25 = 5$ day. These are from the SCS Idaho Irrigation Guide. This states that a 1.25 inch application is needed every 5 days during the peak months of July and August. This seems very close to the irrigation interval most irrigators on the ditch are using.

Also from the Irrigation Guide, a alfalfa-grass crop requires 24.60 inches of water gross and 21.15 net per season in this area. The 21.15 would be what's needed from irrigation. $21.15 / 1.25 = 17$ irrigations. $17 \times 5 = 105$ days. This would be about right if you put 10 days on the front of the season and 10 days on the back where irrigation would not be required making this a 125 day growing season. This seems very close since the growing season in Salmon is near 120 days.

Calculating the water needed to supply the 1.25 inch irrigation is not complicated. What is complicated is figuring the efficiency of application and efficiency of delivery of this 1.25 inches to the crop. A typical system

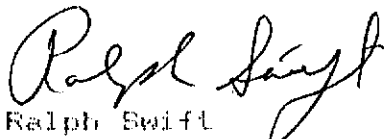
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is earthen ditches with irrigation dams. Fields for the most part are unleveled and are as the river left them years ago. Very little leveling has been done because of the gravel bars running through the fields. Based on what I have observed for the past 10 years the irrigation field efficiency runs about 30 to 35 percent. I base this not only on observation but from calculating field efficiencies from producers estimates of water used per season. Delivery efficiency is also very difficult since there aren't any measuring devices on the ditch or its field laterals. Again from observation this runs from 60 to 90 percent. I assumed 70 percent delivery for this estimate of water used.

I calculated the water needs per acre. Net requirement is $.25"/\text{day} \times 1\text{cfs}/24 \text{ acre inches}/\text{day} = .0104 \text{ cfs}/\text{acre}$. Gross requirement is $.0104/.35 = .0297 \text{ cfs}$ or $.0297 \times 50 \text{ in}/\text{cfs} = 1.49 \text{ miners inches}$. This divided by 70% is equal to 2.12 inches per acre. This could go to 2.47 inches per acre if a 30 percent irrigation efficiency was assumed.

There are some pros and cons in this amount of water used. In terms of water use only, these are very poor. However in terms of wildlife habitat that is created along the earthen ditches banks and in the swales that sub and create wetlands it's good. This letter is not meant to be a statement by the SCS as for or against these poor efficiencies but the affects of improving them may or may not be of benefit.



Ralph Swift
District Conservationist
Soil Conservation Service
Salmon, Id.

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