

78-4016

No. 8601

78-2013

APPLICATION FOR PERMIT

To Appropriate the Public Waters of the State of Idaho

1. Name of applicant: Charles M. Clay

Postoffice address: Riggins

County: Idaho

State: Idaho

2. The quantity of water claimed is 14.4 cubic foot per second.

3. Source of water supply: Little Salmon River

County of Idaho

4. Location of point of diversion: In NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28, T. 24 N.R. 1 E.B.M.

5. To be used for:

I. Irrigation and domestic use:

(a) Amount of land to be irrigated: 720 acres

(b) In the following legal subdivisions: E $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 28, E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 21, E $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 21, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, S $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ and NE $\frac{1}{4}$ Sec. 15, W $\frac{1}{2}$

NW $\frac{1}{4}$ Sec. 14, SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11, E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 10, T. 24 N.R. 1 E.B.M.

Acres River

6. Estimated cost of work: Six thousand dollars

7. Description of works for diversion:

I. Kind of works: Dam and flume and pipe

II. Dimensions of works:

NE¹/₄ Sec. 14, SW¹/₄ Sec. 11, E²/₂ Sec. 10, T. 24 N.R. 1 E.B.M.

Acro River

6. Estimated cost of works: Six thousand dollars

7. Description of works for diversion:

I. Kind of works: Ditch and flume and pipe

II. Dimensions of works:

(c) Size of headgate: Width 5 feet, height 3 foot.

(d) Conduit ditch, flume and pipe, width at bottom of ditch 5 foot, width at water line 6 feet, depth of water 2 feet. Diameter of pipe: 9 inches.

Average grade per mile is 10 feet. Length of conduit is ditch 4 miles, flume and pipe 1000 feet, and it crosses the following quarter sections: NE¹/₄ Sec. 28, SE¹/₄, NE¹/₄ Sec. 21, NW¹/₄ Sec. 22, SW¹/₄, SE¹/₄, NE¹/₄ Sec. 15, NW¹/₄ Sec. 14, SW¹/₄ Sec. 11, SE¹/₄ Sec. 10, T. 24 N.R. 1 E.B.M., to land described in 5 I (b) above which is the point of intended use.

8. The time required for the completion of the construction of such work is 5 years.

9. Time required for the complete application of the water to the proposed use is 4 additional years.

BE IT KNOWN, That the undersigned hereby makes application for a permit to appropriate the public waters of the State of Idaho as herein set forth.

Charles M. Clay,

Applicant

By E.E. Garrett... Agent.

REMARKS; No diversion works are required in this project other than a headgate with temporary wing dams at low stages of the water. The ditch has been constructed and used from the point of diversion along the west side of Little Salmon River and the main Salmon River to a point in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10, enlargement and reconstruction in some places being necessary. It is proposed to divert the water from the main canal in the NW $\frac{1}{4}$ Sec. 15, on the west side of the Salmon River, across the main Salmon River to the land on the east side thereof by means of a pipe line suspended on cables.

APPROVAL OF STATE ENGINEER.

The number of this permit is 5518

Date of first receipt of application: 2.30 p.m. December 3, 1909

Recorded in Book 16. Page 5518. Approved December 3, 1909

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby grant the same, subject to the following limitations and conditions:

Work to begin on or before February 1, 1910. and to continue diligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which permit holder has no control.

One-fifth of the work above specified to be completed on or before June 3, 1912.

The whole of said work to be completed on or before December 3, 1914.

The number of this permit is 1714

Date of first receipt of application: 2.30 p.m. December 3, 1909

Recorded in Book 16. Page 5518. Approved December 3, 1909

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby grant the same, subject to the following limitations and conditions:

Work to begin on or before February 1, 1910. and to continue diligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which permit holder has no control.

One-fifth of the work above specified to be completed on or before June 3, 1912.

The whole of said work to be completed on or before December 3, 1914.

The time for proof of beneficial use of water appropriated in accordance herewith, extended to December 3, 1918.

Witness my hand this third day of December, 1909.

Jas. Stephenson, Jr.

State Engineer.

Permit No. 5518

CERTIFICATE OF COMPLETION OF WORKS.

To All Whom It May Concern:

This is to certify that Charles M. Clay, of Riggins, County of Idaho, and State of Idaho, the holder of Permit No. 5518, issued upon Application No. 8901, bearing date of priority of December 2, 1909, authorizing the diversion of 14.4 second feet of the waters of Little Salmon River, County of Idaho, State of Idaho, for irrigation and domestic purposes, has fully complied with the provisions of the laws of the State of Idaho relating to the proof of completion of the works of diversion set out and described in said Permit; that said works are adequate for diverting and conveying to the place of intended use 14.4 second feet of the waters of Little Salmon River; that the point of diversion of said waters is at a point in the NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 28, T. 24 N., R. 1 E.B.M., and that the lands proposed to be irrigated by the use of said water are described as follows, to-wit: E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 28, E $\frac{1}{2}$ of SE $\frac{1}{4}$ and E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 21, W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 22, S $\frac{1}{2}$ of SW $\frac{1}{4}$, NE $\frac{1}{4}$ of SW $\frac{1}{4}$, SW $\frac{1}{4}$ of SE $\frac{1}{4}$, N $\frac{1}{2}$ of SE $\frac{1}{4}$ and NE $\frac{1}{4}$ of Sec. 15, W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 14, SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 11, E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 10, all in T. 24 N., R. 1 E.B.M., containing 720 acres.

Witness my hand this 9th day of January, A. D. 1915.

Herbert Wing,

Acting State Engineer of the State of Idaho.

Proof of Completion of Works

DEPOSITION OF HOLDER

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. Charles M. Clay, age 40 years, Farmer and stock raiser, Residing at Riggs, Idaho.

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business, your position with reference to same, and your authority for appearing in its behalf.

Ans.

Ques. 3. State number and date of permit, amount of water you are authorized to divert, source, and point of diversion.

Ans. Permit No. 5516, dated Dec. 3d, 1909, authorizing the diversion of 14.4 cubic ft. per second, from Little Salmon River, at NW 1/4 NE 1/4 Sec. 28, T 24 N, R 1 E N E.

Ques. 4. State purpose for which water is to be used, and, if for irrigation, state the number of acres and give description of the land you intend to reclaim.

Ans. Irrigation. Seven Hundred Twenty acres, E 1/2 NE 1/4, Sec. 28, E 1/2 SE 1/4, Sec. 21, W 1/2 NW 1/4, Sec. 22, S 1/2 SW 1/4, NE 1/4 SW 1/4, SW 1/4 SE 1/4, N 1/2 SE 1/4, and NE 1/4, Sec. 15, T 24 N, R 1 E N E. B. N.

Ques. 5. State whether or not the water has been turned into your works of diversion, and, if so, when and to what extent.

Ans. Yes. Enlargement and reconstruction completed in spring of 1914. Full amount of water turned in ditch in spring of 1914.

Ques. 6. State whether or not the works of diversion are fully completed, and whether or not they comply in all respects with the terms of the permit.

Ans. Works are fully completed with the exception of the pipe-line across Salmon River, which is delayed on account of land being in the Nat'l. Power site. Have the cables stretched for the purpose.

Ques. 7. If the works of diversion do not comply with all the terms of your permit, state fully those particulars in which there is any variance.

Ans. The Pipe line and flume across Salmon River is not in. I started to put it in and did not get the finished title to the land so have been delayed. Have 4 one inch cables across the river now.

Ques. 8. Give description of works, state dimensions and capacity of each part, and give cost of same.

Ans. Ditch and flume. The ditch is 5 ft. on bottom, six ft. at water line and two ft. deep. The flume is two ft. on the bottom and sixteen in. deep, with a grade of 1 1/2 inches to the rod, or cost of same is \$5000.00.

(Sign here.)

Charles M. Clay

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed

and sworn to before me, in Riggs, Idaho, on this third day of

December, A. D. 1914.

Notary Public.

My Commission expires March 1st, 1917.

The Depositions of two Witnesses, in this form, taken separately, required in each case.

PERMIT NO. _____

Proof of Completion of Works

DEPOSITION OF WITNESS

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. THOMAS, A. LEWIS, age 54 years, Riggins, Idaho, Farmer as to occupation.

Ques. 2. Are you acquainted with Charles M. Clay, the holder of Permit No. 5518, authorizing the diversion of 14.4 second-feet of the waters of

Little Salmon River, at a NW 1/4 NE 1/4, Sec. 28, T 24N, R 1 E B. M., purposes? How long have you known him, and where does he reside? for irrigation.

Ans. Yes, I have known him for about eleven years. He resides in Riggins, Idaho.

Ques. 3. Have you read or heard read said Permit No. 5518, and are you familiar with its terms and conditions?

Ans. Yes.

Ques. 4. (If for irrigation purposes). Are you acquainted with the land proposed to be irrigated under said permit? If so, describe same, state its character, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Yes. It is of a loose sandy soil and requires about two in. or more to irrigate it.

Ques. 5. Are the works of diversion fully completed and of sufficient capacity to convey the entire amount of water set out in the permit from point of diversion to place of use?

Ans. Works are fully completed with the exception of the flume and across Salmon River. It is in the process of being completed. The flume is in the process of being completed. The flume is in the process of being completed.

Ques. 6. Describe the works of diversion as they now exist, and give your estimate of their capacity.

Ans. There is about 2500 ft. of flume and the balance is ditch. It will carry all the water that the permit calls for, and maybe more.

(Sign here.)

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Riggins, County of Idaho, State of Idaho, on this 30 day of December, A. D. 1911.

The Depositions of two Witnesses, in this form, taken separately, required in each case.

PERMIT NO. _____

Proof of Completion of Works

DEPOSITION OF WITNESS

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. Olley Pipes, age 36 years, Resident at Riggins, Idaho, Occupation, Farmer, Postoffice, Riggins, Idaho.

Ques. 2. Are you acquainted with Charles H. Clay, the

holder of Permit No. 5513, authorizing the diversion of 1 1/2 second-feet of the waters of Little Salmon River, at NW 1/4 NE 1/4, Sec. 28, T 24 N, R 1 E, B. M., for irrigation purposes? How long have you known him, and where does he reside?

Ans. Yes, I have known him for 26 years, he resides at Riggins, Idaho.

Ques. 3. Have you read or heard read said Permit No. 5513, and are you familiar with its terms and conditions?

Ans. Yes.

Ques. 4. (If for irrigation purposes). Are you acquainted with the land proposed to be irrigated under said permit? If so, describe same, state its character, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Yes, it is very loose and sandy and requires two inches at least to irrigate it.

Ques. 5. Are the works of diversion fully completed and of sufficient capacity to convey the entire amount of water set out in the permit from point of diversion to place of use?

Ans. Works are fully complete with the exception of the pipe line across Salmon River, which is delayed on account of land being in the National Power-sites. Four one in. cables are stretched for this purpose.

Ques. 6. Describe the works of diversion as they now exist, and give your estimate of their capacity.

Ans. There is about 2500 ft. of flume and the balance is ditch. Works will carry all the water that the permit calls for.

(Sign here.) Olley Pipes

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn

to before me, at my office in Riggins, Idaho, County

of Idaho, State of Idaho, on this 3d day of December, A. D. 1917.

Charles H. Clay
Notary Public
1917

REPORT OF ENGINEER

1. State name of applicant and number of permit: Charles M. Clay, No. Permit, 5618.
2. State source of water supply: Little Salmon River.
3. Location of point of diversion: In NW 1/4 NE 1/4, Sec. 28, T 24 N, R 1 E B M.

4. State whether or not the works of diversion are fully completed and in accordance with terms of permit.

Works are fully complete with the exception of the pipe line across Salmon River which is delayed on account of land being in the National power site. Four inch cables are already stretched for this purpose.

5. Describe works as they exist, giving dimensions of same as follows:

- | | |
|---------------------------------|---|
| (a) Width of conduit at bottom: | Five feet. |
| (b) Width at water line: | Six feet. |
| (c) Depth of water: | Two feet. |
| (d) Grade per mile: | Ten feet. |
| (e) Capacity of ditch: | Fifteen ~~gallons~~ second feet. |

6. State whether or not water has been turned into works of diversion and if so, to what extent:

Yes the water has been turned in to the full capacity.

7. Give exact location of lands to be irrigated. Give exact number of acres under cultivation in each forty acre tract accompanying map show land to be irrigated.

Lands now under cultivation are: NE 1/4 NE 1/4 Sec. 28, 8 acres; E 1/2 SW 1/4 Sec. 21, 18 acres; E 1/2 NW 1/4 Sec. 22, 3 acres; W 1/2 NW 1/4 Sec. 22, 10 acres; S 1/2 SW 1/4 Sec. 15, 5 acres; NE 1/4 SW 1/4 Sec. 15, 2 acres; SW 1/4 SE 1/4 Sec. 15, 4 acres; N 1/2 SE 1/4 Sec. 15, 25 acres; NE 1/4 Sec. 15, 40 acres; E 1/3 SE 1/4 Sec. 10, 25 acres. 140 cult. acres.

8. Submit map on enclosed plat, source of supply, point of diversion, route of ditch or ditches and cross hatch lands to be irrigated.

Remarks: The ditch is in first class order and has been kept in good repair.

The flume is new and well put up.

Witness to the signature of

Kestner F. Fennell. There is no other Notary Public near here.

STATE OF IDAHO,

County of Idaho.

being first duly sworn, deposes and says that the statements

contained in the within report are correct to the best of his knowledge and belief.

Subscribed and sworn to before me this 191

My Commission Expires.

Notary Public.

S. M. BARTON AND ASSOCIATES

CONSULTING ENGINEERS

225 IDAHO BUILDING
BOISE, IDAHO

Handed in Nov. 29-51

November 30, 1951

SUMMARY OF COSTS FOR

RIGGINS WATER DISTRICT HEADGATE AND DIKE PROJECT

Construction costs to contractor:

Est. No. 1, Oct 15, 1951	1881.30
Est. No. 2, final, Nov. 1951	<u>368.73</u>
Total amount	\$2250.00

ARMCO headgate furnished by District:

List Price, fob Denver	231.10
Plus freight to Boise	<u>22.76</u>
Total amount	253.86

Engineering:

Statement of Oct. 15, 1951	266.99
Statement of Nov. 1951	<u>60.30</u>
Total amount	327.29

Planks for highwater protection; furnished by District:

Unknown

TOTAL COSTS FOR PROJECT

\$ 2831.15

Incurred

19.30

NOTE: Engineer's estimate dated Aug. 28th, 1951 was \$2782.90.

\$ 2850.45

S. M. Barton
S. M. BARTON

148 Minutes of Meeting Sept. 7, 1952

Commenced - 8:10 - P.M.
Present: Chas. C. Patterson, Bernard Voss, Stewart
Arthur, C. E. Miller & R. J. Drury.

Minutes of meeting held July 3. read & approved as read.

Bills read:

Waterworks Supplies -	9.94	Director authorized gas
Salmon River Lbr. Co. -	16.95	Line 3.70 - gas for pumps &
Shade County Gas Pkwy -	15.25	hangers by Jack Rower.
Graded Lake Stew -	285	
Phone Electric	16.60	

Bernard Voss made motion to pay the bills. The motion was 2nd

by Stewart Arthur. Motion carried.

Paul Kripe's note \$450⁰⁰ was discussed. The interest \$90⁰⁰ is due.
C. E. Miller moved Paul Kripe note be paid in full. Principals interest
Complete. Stewart Arthur 2nd motion. Motion carried. \$450⁰⁰ paid

Discussion of appointment of Director to replace
Lain Howard who passed away August 10th. Ray Crump & Gene
Wilson were suggested. The Director discussed the subject.

Discussion followed of ditch headgate & concrete system. P. E.
Miller gave his idea of putting in a high corrugated pipe. This was

discussed.
The flood abatement was discussed. Being over
instructed to investigate & find out what has happened to
that \$1000 promised the Dist. ~~for~~.

The Director talked over headgate & found that
shaded too slow this winter. Ray talked over the idea of
all going up & examining head of ditch.

9:00 P.M. - Director will examine head of ditch &
survey area preparatory to ditch rebuilding.

Fire hydrants by Chemun Station to be installed
were discussed. The need of a new firestone hydrants was
discussed. John Thwaiter was suggested.

Dick Harvey suggested the Director make by-laws

in Ditch - regulating rights of way, etc.

Leig to write to Attorney Snow about ditch rights of

way. Letter as follows: ditch was originally a mining ditch
was taken over by Dick Quinn & Charles E.
50 yrs. ago. ~~How long~~ to a Water Dist. thing.

Then ditch was turned over to people - Jack Quinn & Lewis. Conner
Dick incorporated 6 yrs. ago under '947 Jack Quinn & Lewis.

Atty Snow on a given set of right groups, etc.

A discussion of delinquent water bills showed two as
outstanding. Gary Danner & John Shaw. The \$40.00 joining
received Snow Nelson was discussed. Leig was told to

tell Snow again the \$40.00 joining.

No further business the meeting was adjourned. Motion
made by Stewart Arthur to adjourn. 2nd by Bernard Fox. Motion

Carried. Adjournment - 10:15 P.M.

Minutes recorded by Margaret Miller
Leig, Treas. -

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

Statehouse - Annex 2
Boise, Idaho 83707
(208) 384-2215

January 15, 1971 CERTIFIED MAIL

Re: Permit No. 5518 (New No. 78-2013)

Charles M. Clay
Riggins,
Idaho 83549

Dear Mr. Clay:

It appearing to the Department of Water Administration that the terms and conditions of Permit 5518/78-2013 to appropriate the public waters of the State of Idaho have not been complied with as to failure to submit proof of beneficial use of water due on December 3, 1918,

you are hereby notified that under the provisions of Section 42-311, Idaho Code, as amended, said permit is hereby held for cancellation, and you are required to show cause before the Director of the Department of Water Administration on or before February 24, 1971, why said permit should not be cancelled.

Permit 5518/78-2013 claims the use of 14.4 cubic feet per second of water, the point of diversion was to be located within the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 28, T. 24N,
R. 1E, B.M. and the permit was approved December 3, 1909.



R. Keith Higginson
Director

Water Rights Administration
Water Resource Investigations
Dam and Reservoir Safety
Water Well Drilling
Flood Plain Management
Irrigation and
Flood Control Districts

R. KEITH HIGGINSON
Director

cc: City of Riggins, Riggins, Idaho

PATRICIA BARTON
Secretary-Treasurer
Phone 628 - 3624

Riggins Water District

INCORPORATED

RIGGINS, IDAHO

DIRECTORS:

---G. E. WHITIS, Chairman---
---DOUG. CRUICK---
---L. E. VAN BROCKLIN---
---LAWRENCE MOSS---

Stewart Aitken, Chm.
John Mansell
Mark Howard
Leon Paul
W. T. Turrentine

January 20, 1971

Re: Permit No. 5578 (New No. 78-2013)

State of Idaho
Department of Water Administration
Statehouse - Annex 2
Boise, Idaho 83707

Dear Sir:

In answer to your letter of January 15, 1971 to Charles M. Clay regarding failure to submit proof of beneficial use of water due on December 3, 1978, as that was over 52 years^{ago} there is no way to find out why the terms and conditions of Permit 5578/782013 were not met. Mr. Clay passed away in 1952, but from information I have been able to gather, he turned this water right over to the people, the water users, of this community.

The ditch, point of diversion so described in your letter, runs north through the city of Riggins and is used only for irrigation purpose and services approximately 150 individual properties. The ditch has been maintained and when necessary rebuilt by the Pipe Line Association which in November of 1950 became the Riggins Water District.

The city of Riggins obtains water for domestic use from a well which would not be adequate if depended on for irrigation in the dry season, so as you see this source of water is very important to this city.

If you will please explain just what we need to do as proof, it will be done.

Sincerely yours,

Patricia Barton

Patricia Barton, Secretary-Treasurer

Copy

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

Statehouse - Annex 2
Boise, Idaho 83707
(208) 384-2215



R. Keith Higginson
Director

Water Rights Administration
Water Resource Investigations
Dam and Reservoir Safety
Water Well Drilling
Flood Plain Management
Irrigation and
Flood Control Districts

January 28, 1971

Re: Permit No. 78-2013 - Charles M. Clay

Riggins Water District
Riggins,
Idaho 83549

ATTENTION: Patricia Barton, Secretary - Treasurer

Dear Mrs. Barton:

Pursuant to your letter of January 20, 1971, we find in reviewing the above referenced permit that there would be many problems involved for the City of Riggins to perfect this water right. Our records indicate that there has never been an assignment of this permit to the City of Riggins, and that it is now, and always has been, in the name of Charles M. Clay.

In order for the city to perfect this water right, they would first of all have to prove ownership of the permit, then submit evidence of beneficial use. However, due to the fact that evidence of this beneficial use was due on December 3, of 1918, the priority of the permit would be reduced the number of days, or in this case, the number of years that beneficial use proof was late, giving a 1962 priority, rather than a 1909 priority, which would have been established if the beneficial use had been submitted on time.

If you wish to attempt to maintain the original 1909 priority, complete the enclosed claim to a water right form. As you will note, I have partially completed such a form, with some recommendations that I think you will find beneficial. Please review what I have recommended, and add any other evidence that you may have in reference to this claim. I have also enclosed photo copies of portions of the original permit, to help substantiate the claim.

If you should have any further questions in reference to this matter, please feel free to contact me at any time.

Very truly yours,

Dorian Clay
Dorian Clay
Appropriation Examiner

DC:cm

Enc: claim to a water right/photo copies

PATRICIA BARTON
Secretary-Treasurer
Phone 628-3624

Riggins Water District

INCORPORATED

RIGGINS, IDAHO

February 11, 1971

Re: Permit No. 78-2013 - Charles M. Clay

State of Idaho
Department of Water Administration
Statehouse - Annex 2
Boise, Idaho 83707

ATTENTION: Dorian Clay, Appropriation Examiner

Dear Mr. Clay:

I'm returning the form for water rights claim filled in where indicated. We did not have this copy notarized as we thought you may wish to type it on another copy with a copy for our records.

We would like to maintain the original 1909 priority as it was written, including the old air strip across the Big Salmon, east of town. This property was recently purchased by an individual here in Riggins who is planning future development of the property and anticipates a need for this water in development.

If it would clear the transfer to the Riggins Water District we will attempt to get Mrs. May Clay, widow of Charles M. Clay, to sign a release of the claim.

We are also using water out of Squaw Creek for irrigation and the pipe line that has supplied Riggins with domestic water in the past has been kept in good repair in the event of emergency. In compliance with the State Health Department this water is seperated from the city water by two shut-off valves near the mouth of Squaw Creek. From information I have gathered, Squaw Creek was in use for domestic and irrigation purposes before the Little Salmon was used. Is it necessary for use to file on this stream also, that we may continue to use this water?

The properties serviced by the ditch grow home gardens as well as fruit trees, shade trees, lawns and ~~gardens~~^{flower}s. The ditch is also

DIRECTORS:

C. E. WILLIS, Chairman

DOUG CROW

J. F. VAN BROCKLIN

LAWRENCE YOSS

Mark Howard, Chm.
John Hansell
Leon Paul
W. T. Turrentine

Copy

PATRICIA BARTON
Secretary-Treasurer
Phone 628 - 3624

Riggins Water District

INCORPORATED

RIGGINS, IDAHO

February 11, 1971

Re: Permit No. 78-2013 - Charles M. Clay

Page 2

considered for auxiliary fire protection during the dry season. The fact that the ditch is the life line of this community and south to the main headgate should be proof enough of beneficial use.

Sincerely yours,

*Patricia Barton
Secretary-Treasurer*

DIRECTORS:

~~C. E. WILLIS, Chairman~~
~~DOUG CRUMP~~
~~J. E. Van BROCKLIN~~
~~LAWRENCE VOSS~~
Mark Howard, Chm.
John Harrell
Leon Paul
W. T. Twrentine

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

Statehouse - Annex 2
Boise, Idaho 83707
(208) 384-2215



R. Keith Higginson
Director

Water Rights Administration
Water Resource Investigations
Dam and Reservoir Safety
Water Well Drilling
Flood Plain Management
Irrigation and
Flood Control Districts

February 18, 1971

Re: Permit No. 78-2013 - Charles M. Clay

Riggins Water District
Riggins, Idaho 83549

ATTENTION: Patricia Barton - Secretary, Treasurer

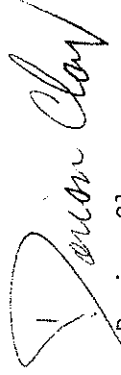
Dear Mrs. Barton:

Pursuant to your letter of February 11, 1971, we are returning the claim to a water right submitted in the behalf of the Riggins Water District. As you will note, under item #2 of the claim, we have listed Squaw Creek also as a source of water supply for your water district. You will also have to indicate under #2 the 40 acre subdivision that your point of diversion from Squaw Creek is located within. Also, please note under #3a that you will have to list a priority, and the quantity of water used from Squaw Creek.

We are also enclosing a blank claim to a water right form so that you may transfer all the information from the rough draft that we have helped you to complete, to the claim form. Please submit this new claim form with a \$10.00 filing fee, and we shall begin its processing.

If we may be of any further assistance in this matter, please do not hesitate to contact us.

Very truly yours,


Dorian Clay
Appropriation Examiner

DC:cm

Enc: claim to a water right form
original claim to a water right form

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

Statehouse - Annex 2
Boise, Idaho 83707
(208) 384-2215

March 2, 1971

Riggins Water District
Riggins,
Idaho 83549

Gentlemen:

Attached herewith is Departmental Receipt No. 5708 in the amount of
\$10.00 for Claim application,

which was received in this office under the above date.

Very truly yours,

M. Russell Bosch

M. RUSSELL BOSCH
Administrative Assistant

MRB:ejw

Enclosure



R. Keith Higginson
Director

Water Rights Administration
Water Resource Investigations
Dam and Reservoir Safety
Water Well Drilling
Flood Plain Management
Irrigation and
Flood Control Districts

Identification No. _____
Claim No. _____
Map No. _____

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

CLAIM TO A WATER RIGHT
Established by Diversion and Application to Beneficial Use

Under the provisions of Section 42-225a, Idaho Code, a person may file a claim to a right to use water which has been established by diversion and application to beneficial use. **The filing of this claim does not confirm the water right but will serve for information purposes only.** It may, however, become the basis for future adjudication of the water right by the Court.

(Please refer to the instructions on the back of this form)

1. Name of claimant Riggins Water District
- post office address Riggins, Idaho
2. The point of diversion is in 1W ¼ of NE ¼ Section 28 Township 24 N
Range 1 E # 2 S 1/4 located on # 1 Little Salmon River # 2 Squaw Creek
(name of source)
- tributary to Salmon River in Idaho County.

3. Dates of priority claimed: list the priority for each separate quantity that you claim. Priority dates should be based upon the earliest diversion of the water which has resulted in continued beneficial use since that time. If there has been an interval of five years or greater when the water was not beneficially used for the same purpose as originally appropriated, the priority that you claim should date from the time that the water was again beneficially applied following the period of non-use.

a. Date of priority claimed:

1 December 3, 1909 amount: 8.0 c.f.s. or _____ acre feet
1907 amount: 4.0 c.f.s. or _____ acre feet
amount: _____ c.f.s. or _____ acre feet
Total claimed 12.0 c.f.s. or _____ acre feet.

- b. Explain the purpose for which the water has been used and the time during the year when you have used the right claimed:

1 use irrigation period of use from April 1 to October 31 (both dates inclusive)
2 use Irrigation period of use from April 1 to October 31 (both dates inclusive)
2 use domestic period of use from supplemental use (both dates inclusive)
use _____ period of use from _____ to _____ (both dates inclusive).

4. Description of diverting works:

- a. Surface water diversion dam and/or headgate: material is composed of concrete reinforced
with steel; length is 83.5 feet; height is 9 feet;
width at bottom is 2 feet; with at top is 1 feet; explain any increase in diversion capacity since structure was first built, giving dates and estimated capacities if known new structure replacing old in 1959. First and second headgate lost to flood.
Four concrete wing braces on downstream side - 8'x10'x1'.

- b. Underground water diverting works: is well flowing or pumped _____; depth of well is _____ feet; diameter of well is _____ inches; type of pump is _____ capacity of pump is _____ g.p.m.; name and address of well driller is _____;

attach well logs if available; has there been any change in pump or motor since well was first completed _____; if so, give dates and explain _____

c. Conveying works: length of ditch to place of use is immediately feet; width of ditch at top is 7 feet; width of bottom of ditch is 6 feet; depth of water is 2 feet; grade of ditch per 1000 feet is 1 1/2 feet; material through which ditch passes is varying solid rock to sand; maximum length of pipe line to first place of use is none feet; diameter of pipe line is _____ inches; type of pipe _____; grade of pipe per 1000 feet is _____; please explain any changes or increase in size of conveying system since water was first appropriated, giving date and dimensions if possible ditch has been widened to 7' in some places in cleaning.

d. If water is stored: name of reservoir _____; acre feet; active capacity of reservoir is _____ acre feet; total capacity of reservoir is _____; year construction commenced _____; year completed _____; date first used _____; period of storage is from _____ to _____; is reservoir drained each year _____; is reservoir on or off stream _____ explain _____

if feeder canal is used give maximum carrying capacity _____ c.f.s.; if reservoir is off stream, describe location of reservoir by 40-acre subdivisions _____

has there been any enlargement of the reservoir since it was first built _____, if so, give dates and describe _____

5. a. Where water is used for irrigation, describe area irrigated by 40-acre subdivisions and give total acres:

TWP.	RANGE	SEC.	NE 1/4			NW 1/4			SW 1/4			SE 1/4			TOTALS
			NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	
24 R	1 E	10										20		15	35
24 R	1 E	15			10 20				5	5	15	5	15	10	105
24 R	1 E	22					10	5							15
24 R	1 E	21											10	15	30
24 R	1 E	28			5 15										25
24 R	1 E	15			14										14
24 R	1 E	16					15	3							18
24 R	1 E	11								15	20				35

Total number of acres to be irrigated 277

Explain any significant increase in area irrigated since first use, give dates and acreages if known _____

b. Do you get water through a ditch owned by several users? _____ If yes, give the name of the ditch _____ The other users and their respective _____

interests in the ditch are (if known) _____

6. Where water is used for stock watering, give number of each kind of stock watered _____

7. ~~Where water~~ is used for domestic or municipal purposes give number of families served _____

name of town supplied _____

8. Where water is used for other purposes not above enumerated, give the nature of use, the extent of use, and any details regarding the initiation of the right or subsequent later expansion. Be as specific as possible, giving dates and quantities. _____

9. Remarks: please explain any details of your claim which you feel need clarification or additional explanation
This claim is being held in connection with permit # 78-2013 which
is in the process of being cancelled for failure to submit evidence of
beneficial use on December 3, 1978. The above referenced permit was in the
name of Charles W. Clay, who turned the permit over to the Riggins Water
district for their irrigation needs.

Due to the fact that the above referenced water development serves
approximately 150 separate parcels of land and due to the sand and gravel
contamination of the sand, we have at times used an excess of 1/2 of
water per acre.

County _____

Be it known that the undersigned, being duly sworn, deposes and says that he, she, they subscribed the foregoing claim to a water right, together with all attached information, and that the matters and facts therein are true to the best of the affiant's knowledge.

Charles W. Clay Claimant

Sworn to before me _____

day of _____

1978

Barrie L. Johnson
Notary Public

Residing at Riggins, Idaho

My commission expires _____

Aug 28, 1974

For Department Use Only

Received by _____	Date _____	Exception filed by: _____	Forwarded to claimant by: _____	Date _____
Prelim. check by _____	Date _____			
Fee received by _____	Date _____	Fee \$ _____		
Approved for publication by _____				
Published in _____	Dates _____			

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION

Statehouse - Annex 2
Boise, Idaho 83707
(208) 384-2215



R. Keith Higginson
Director

Water Rights Administration
Water Resource Investigations
Dam and Reservoir Safety
Water Well Drilling
Flood Plain Management
Irrigation and
Flood Control Districts

April 7, 1971

Re: Claim to a Water Right No. 78-4016

Riggins Water District
Riggins, Idaho 83549

Gentlemen:

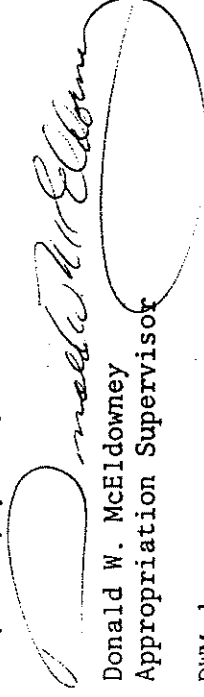
The Department of Water Administration has completed the processing of your claim to a water right, and no further action is authorized under Sections 42-225a and 42-225b, Idaho Code. Your claim will be retained in our files and will be available at any time for use by you or the court.

As you are aware, the filing of your claim does not, in itself, guarantee you a water right; it only records and preserves the information and the evidence which you included in your claim.

If, at a later date, you find that you have additional information or supporting evidence that you would like to have included in your claim file, you may have that information or evidence added at any time. Please refer to your claim number when corresponding with this office.

We are enclosing, for your records, a copy of your claim. If you have any questions, or if we can be of further assistance, please feel free to call upon us.

Very truly yours,


Donald W. McEldowney
Appropriation Supervisor

DWM:dr

Enclosure: Copy of claim

GRANT OF EASEMENT AND RIGHT OF WAY

THIS INDENTURE, Made and entered into this 21st day of December, 1937, between J. S. Aitken, a widower, Stewart A. Aitken and Grace Aitken, his wife, parties of the first part, and Idaho County, a political subdivision of the State of Idaho, party of the second part,

it being understood that all pipe for said

W I T N E S S E T H:

That in consideration of one dollar paid to the first parties by second party, the receipt of which is hereby acknowledged, and of the provisions and conditions herein contained and acts to be performed by second party herein set out, the said parties of the first part hereby bargain, sell, grant, convey and confirm unto the party of the second part a right of way and easement across the W $\frac{1}{2}$ of the NW $\frac{1}{4}$ of Section 22, and the S $\frac{1}{2}$ of the NE $\frac{1}{4}$ of Section 21, Township 24 N. R. 1, E. B. M., in Idaho County, Idaho, to lay, construct and maintain a pipe line of such size and character as party of the second part may determine, to convey water from Squaw Creek or elsewhere to the town of Higgins, Idaho, giving and granting unto said second party, its agents and assigns, the right to enter upon said lands for the purpose of constructing and laying said pipe and pipe line and to maintain, repair and replace the same, all at such place and in such manner as second party, its agents or assigns, may desire and determine; also with the right to enter upon said lands at all times for the purpose of inspecting the same and to make improvements and repairs and to do all things necessary for the proper construction and maintenance of said pipe and pipe line. But reserving unto said parties of the first part the right to have and maintain a fire hydrant upon said pipe line at such point as shall be determined by the said first parties when the said pipe is laid, and also a

to be reserved to be used through said pipe line.

GRANT OF EASEMENT AND RIGGINS DITCH

connection for water pipes for domestic purposes leading to the residence of said first parties, and a further connection for pipe line leading to the barn of first parties across the highway, and to use water through the said pipe connections for domestic purposes at said residence and barn and for sprinkling the lawn at the said residence, it being understood that all pipe for said line shall be furnished by said first parties, but that the work of digging the ditch therefor and making the connections at the said pipe line shall be at the expense of second party.

Provided also that it is agreed that the parties of the first part shall have the right to irrigate the ground on the east side of the ditch known as "Riggins Ditch" and between the said ditch and said highway, which ditch takes water from Little Salmon River, the water so used to irrigate with being taken in substitution and instead of the water now used by said parties of the first part from said Squaw Creek, and all of which water and water heretofore used is for the benefit of the inhabitants of the town of Riggins, Idaho; it being understood further that the said party of the second part shall install in the said ditch three headgates for the use of first parties.

It is also understood as a condition hereof that where the pipe line is laid for the use of second party, as aforesaid, the ground shall be leveled and rocks removed so as not to hinder farming operations and such pipe line shall be laid at such depth as not to interfere with plowing or tilling the said ground.

It is a condition of this grant and easement that the same shall not interfere with or detract from the water rights of first parties to use water from any other source than herein referred to, but this instrument shall also constitute a release by first parties to second party to take the water from Squaw Creek, not herein reserved to be used through said pipe line.

STATE OF IDAHO } ss.
County of Idaho }

TO HAVE AND TO HOLD the said right of way, easement and more me, rights herein granted unto the said party of the second part to, forever, in trust, however, for the benefit, of the inhabitants of the town of Riggins, Idaho, and for use therein by such inhabitants for irrigating, domestic purposes and fire protection and such other uses as may be properly beneficial to the said inhabitants of the town of Riggins, Idaho, set my hand and affixed my

IN WITNESS WHEREOF, the said parties hereto have hereunto

set their hands in duplicate, the day and year first above written.

(seal)

Robert W. C. [unclear]
Notary Public for Idaho,
residing at [unclear] Idaho

J. S. Aitken

Stewart A. Aitken

Grace Aitken

Parties of the First Part

STATE OF IDAHO }
County of Idaho }

ss.

On this _____ day of _____ COUNTY OF IDAHO, before me,

Carlo [unclear]
Treasurer of Idaho County,
Idaho.

John H. Schneider
Chairman of the Board of County
Commissioners, Idaho County,
Idaho

known to me to be the Chairman of the Board of county commissioners of Idaho County, Idaho, and the Treasurer of Idaho County, Idaho, respectively, of the County of Idaho, that executed the within instrument, and each acknowledged to me that they executed the same in behalf of said Idaho County.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

(seal)

Notary Public for Idaho, residing
at Orangeville, Idaho.

THIS INDENTURE, Made the 3rd...day of April....., in the year of our Lord one thousand nine hundred and ~~twenty~~ ^{thirty nine}, between IDAHO COUNTY, a body corporate and politic, in the State of Idaho, party of the first part, and John L. Chamberlin, Louie Howard and O. V. Clover, Trustees of Riggins Pipe Line Association, and their successors and assigns, of Riggins....., County of Idaho....., State of Idaho....., parties... of the second part:..

WITNESSETH, That the said party of the first part, for and in consideration of the sum of one and no/100..... DOLLARS lawful money of the United States of America, to it in hand paid by the said parties of the second part, the receipt whereof is hereby acknowledged, has remised, released, and forever quit-claimed, and by these presents does remise, release, and forever quit claim unto the said parties of the second part, and to their heirs and assigns, the following described real.....

.....property situated in Riggins, Idaho County, Idaho, described as: That certain Pipe Line and Water System lying between Squaw Creek and Riggins, Idaho, and further identified as having been constructed as a W P A Project which was completed in the latter part of 1938, together with all headgates, dams, ditches, laterals and all other matters and things connected therewith or incident thereto, including all easements, rights of way and licenses, whether acquired by deed or usage now held by the grantor in connection with said pipe line and water system, and particularly the easement granted by J.S.Aitken et al to Idaho County, Idaho, recorded March 22nd., 1939.

..... Together with all and singular the tenements, hereditaments and appurtenances thereto belonging, or in anywise appertaining, and the rents, issues, and profits thereof.

TO HAVE AND TO HOLD, all and singular, the said premises, together with all the appurtenances and privileges thereto incident, unto the said parties of the second part, their heirs and assigns forever.

IN WITNESS WHEREOF, the said party of the first part has caused these presents to be executed by its Board of County Commissioners and the seal of said board to be affixed hereto, and attested by the Clerk of said board, this 3rd... day of April, 1939, ~~1927~~.

Raymond L. Russell
Chairman of the Board of County Commissioners of Idaho County, Idaho

Garrett Kinnear
Member of said Board

David R. Pitt
Member of said Board

Attest: *Harvey E. Decker*
Clerk of the Board of County Commissioners of Idaho County, Idaho.

STATE OF IDAHO, }
County of Idaho, } ss.

On this 3rd day of April, in the year 1929,
before me Hampton Taylor, a Notary Public in and for said County, personally
appeared Ralph H. Russell, Chairman of the Board of County Commissioners
of Idaho County, State of Idaho, and C. C. Nitz, and
J. C. Elmer's, members of said Board, known to me to be
the persons whose names are subscribed to the within instrument, and acknowledged to me that
they executed the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal, on the day and
year in this certificate above written.

Hampton Taylor

Notary Public residing at Grangeville,
IDAHO.

Quit-Claim Deed

—FROM—
IDAHO COUNTY, IDAHO

Jonathan Duggins
Ophelia Allen

STATE OF IDAHO, }
County of Idaho, } ss.

Filed for record in the office of
the Recorder of Idaho County, at

the request of

David Stewart
on the 3rd day of April
A. D. 1929 at 3 o'clock P. M.,
and recorded in Book 68 of Deeds
at page 239 of the records of
said county.

Henry Dickson
County Recorder.
By W. M. May
Deputy.

Fee, \$ 1.00

WRITTEN AGREEMENT TO TRANSFER PROPERTY

BY RIGGINS WATER DISTRICT TO THE CITY OF RIGGINS

THIS AGREEMENT Made this 25th day of August, 1972, by and between the City of Riggins, Idaho, a political sub-division of the State of Idaho, acting by and through its City Council, hereinafter called "The City", and the Riggins Water District, a political sub-division of the State of Idaho, acting by and through its Board of Directors, hereinafter called "The Board",

WITNESSETH, WHEREAS, The City desires to acquire for the use and benefit of the City of Riggins, Idaho, and other water users within the Board's service area, the domestic and irrigation water system and distribution facilities and The Board desires to transfer such system and facilities, together with all its assets to The City:

AND, WHEREAS, both parties have by and through their legal representatives determined that it would be to the best interest of The City's citizens and The Board's users to affect such transfer and that continued separation of such water system would be wasteful and expensive;

AND, WHEREAS, both parties have jointly concurred to enter into an agreement effecting such transfer pursuant to Sections 67-2322; 67-2323 and 67-2324 of the Idaho Code;

NOW, THEREFORE, By virtue of such authority granted by the legislature of the State of Idaho, the parties hereto do mutually agree as follows:

FIRST: That upon the due execution of this agreement, The Board shall execute and deliver to The City a deed, bill of sale, and such other instruments as may be necessary to effectuate the due transfer of all its property to The City, and cause all its records, files and accounts to be delivered to The City.

SECOND: Upon such transfer The City will immediately upon the receipt of the foregoing documents, files and accounts, assume all indebtedness assumed by The Board in its operation of its system, including legal and publication costs incurred in the effectuation of this transfer.

THIRD: The City shall operate, manage and maintain such water system in the best interest of its user and The City.

FOURTH: This agreement and all its terms shall be in full force and effect upon its approval by the concurrent affirmative vote of two-thirds of the legislative boards of each unit of government and political sub-division, after due notice of the general terms of this agreement have been published for two consecutive weeks in the Idaho County Free Press, a newspaper of general circulation in the county, which notice shall set forth also the time and place at which time the governing boards of such units propose to ratify this agreement.

In Witness Whereof, the parties have hereunto caused this agreement to be executed by their duly authorized and empowered officers, fixing the seal, the day and year first above written.

CITY OF RIGGINS,

ATTEST:


Clerk

BY 
Mayor

RIGGINS WATER DISTRICT

ATTEST:


Secretary

BY 
Chairman

WHEREAS the Riggins Water District, Inc., has duly transferred its assets to the City of Riggins, Idaho, a municipal corporation;

AND, WHEREAS, the City of Riggins, Idaho, has duly assumed said Districts' obligation to maintain and distribute domestic and irrigation water to its users;

NOW, THEREFORE, Riggins Water District, Inc., by and through its Board of Directors, has duly authorized its Chairman and Clerk to transfer all its assets to the City of Riggins, Idaho;

The Riggins Water District, Inc., does hereby transfer, convey and set over unto the City of Riggins, Idaho:

That certain pipe line and water system lying between Squaw Creek and Riggins, Idaho, and further identified as having been constructed as W.P.A. Project which was completed in the latter part of 1938, together with all head gates, ditches, laterals and all other matters and things connected therewith or incidental thereto, including all easements, rights of way, and licenses, whether acquired by deed or usage now held by the Riggins Water District, Inc., in connection with said pipe line and water system, and particularly the easement granted by J. S. Aitken et al to Idaho County, Idaho, recorded March 22, 1939, together with all water rights owned by Riggins Water District, Inc., particularly those rights claimed at points of diversion on the Salmon River, NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 28, Twp. 24 North, Range 1 East and Squaw Creek, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 22, Twp. 24 North, Range 1 East, all in Idaho County, Idaho.

Together with an easement as shown of record and recorded in Book 109 of Deeds, at pages 505-508, in the Office of the County Recorder of Idaho County, Idaho.

TO HAVE AND TO HOLD, all and singular said property and

easement with all appurtenances and privileges incident thereto, unto the City of Riggins, Idaho, forever.

IN WITNESS WHEREOF the Riggins Water District, Inc., has caused its name to be subscribed hereto by its chairman and attested thereto by its clerk, this 12th day of FEBRUARY,

1973

RIGGINS WATER DISTRICT, Inc.,

ATTEST:

BY Patricia A. Barton
Clerk

* * * * *

STATE OF IDAHO)
): ss.
County of Idaho)

On this 12th day of February, 1973, before me the undersigned notary public, personally appeared RAYMOND F. SERGEANT and Patricia Barton, known to me to be the Chairman and Clerk of the Riggins Water District, Inc., whose names have been subscribed to the above and foregoing instrument and acknowledged to me that they have executed the same on behalf of said Riggins Water District Inc.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal the day and year in this certificate first above written.



Raymond F. Sergeant
Notary Public for Idaho

My Commission Expires:

Residing at Riggins, Idaho

9-1-76

Filed and recorded on the request of Ray. F. Sergeant
at 3:30 o'clock P M this 16 day of June, 1973

B. B. G. White 84

Ex-Officio Auditor and Recorder
Idaho County Idaho

Deputy
Jan. 8, 1973

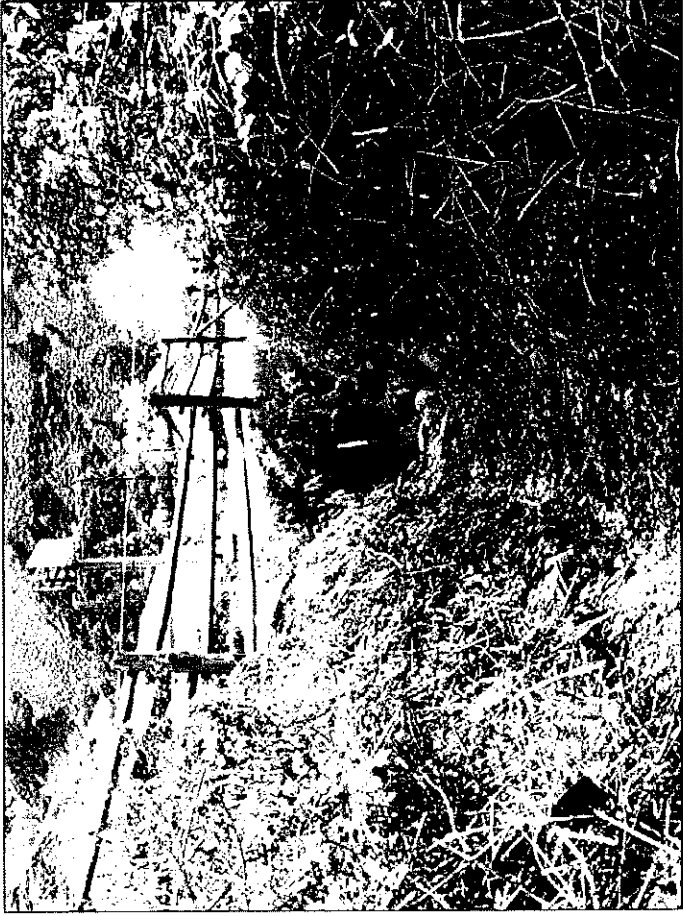


Figure 1. Squaw Creek canal looking downstream to the culvert under Squaw Creek Road. The headgate is about 25 feet upstream from the picture location.

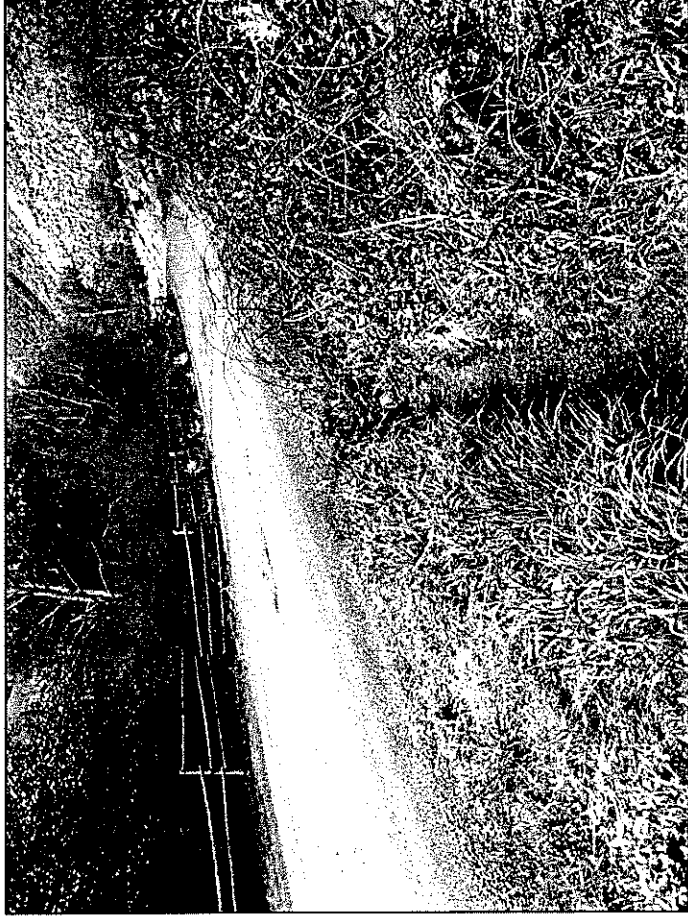


Figure 2. Downstream side of the canal culvert under the Squaw Creek Road. The canal joins with the main canal that flows through the overpass just outside the photo.



Figure 3. Squaw Creek diversion canal joining the Little Salmon Canal adjacent to the Squaw Creek Road.



Figure 4. Downstream side of the Squaw Creek headgate.



Figure 5. Squaw Creek headgate upstream side. Diversion dam is just to the right of the photo. The headgate area tends to collect fine sediment that needs to be removed before operation.



Figure 6. Squaw Creek diversion dam and headgate upstream side (April 15, 2004).