

NAME:

F & G

CLAIM: A 72-10533

CORRESPONDENCE

EVIDENCE OF

PRIORITY

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

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

CIVIL CASE NUMBER: 39576

Ident. Number: A72-10533
 Date Received: 8/16/1990
 Receipt No: T017346
 Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
 ACQUIRED UNDER STATE LAW

1. Name: STATE OF IDAHO 208-334-3700
 Address: DEPT. OF FISH & GAME
 P.O. BOX 25
 BOISE, ID 83720

2. Date of Priority: NOV 14, 1959

3. Source: EAST FORK OF SALMON RIVER Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
10N	18E	31	SE	SE			CUSTER

5. Description of diverting works:
 CONCRETE STRUCTURE, DITCH & BYPASS PIPE

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
FISH PROPAGATION	03/15	11/15	0.800		

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

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
 FISH/ BYPASS PIPE AT FISH SCREEN

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
10N	18E	31	SE	SE		FISH	

11. Place of use in counties: CUSTER

A72-10533

Page 1

Date: 08/17/90

MICROFILMED
 MAR 19 1993

12. Do you own the property listed above as place of use? NO

13. Other Water Rights Used:
NONE

14. Remarks:
EASEMENT AGREEMENT EF-12, FILED AT CUSTER CO. COURTHOUSE ON
11/14/59, PAGES 540, 541, 569-571, BOOK 33 & EF-12 (RELOCATED)
PAGES 86-89, BOOK 35. DITCH OWNERS--M. & G. PEDRINI.

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 Organizations:

I do solemnly swear or affirm that I am _____ of

Title
_____, that I have signed the foregoing
Organization
document in the space below as _____ of

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

Signature of Authorized Agent

Title and Organization

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

A72-10533

Date Received

6/19/90

Receipt Number

T017346

NOTICE OF CLAIM
TO A
WATER RIGHT
ACQUIRED UNDER STATE LAW

Please type or print clearly

- Name of Claimant (s) Idaho Department of Fish & Game Phone (208) 334-3700
Mailing Address 600 South Walnut, Box 25, Boise, Idaho Zip 83707
- Date of Priority (Only one (1) per claim) November 14, 1959
- Source of water supply (a) East Fork of Salmon River
which is tributary to (b) Salmon River
- a. Location of existing point of diversion is: Township 10 N. Range 18 E Section 31,
1/4 of SE 1/4 of SE 1/4, Govt. Lot, B.M., County of Custer
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 _____
- 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.
Concrete structure with metal screen which prevents fish from
entering irrigation ditch. Structure includes a bypass pipe which
returns water to the main stream.

MICROFILMED

MAR 19 1993

EF-12

6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For fish propagation purposes from 3/15 to 11/15 amount 0,800 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) 0,800 (cfs) and/or (b) _____ (acre feet)

8. Total consumptive use claimed is 0 acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) Fish propagation - bypass pipe at fish screen to provide for fish passage.

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	
10N	18E	31																H	

Total number of acres irrigated _____

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

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.
_____ or None (☒)

14. Remarks: Easement Agreement EF-12, filed at Custer Co. Courthouse
on 11/14/59, Pages 540, 541, 569-571, Book 33 & EF-12 (Relocated)
Pages 86-89, Book 35.
Ditch owners - M. & G. Pedrini

MICROFILMED

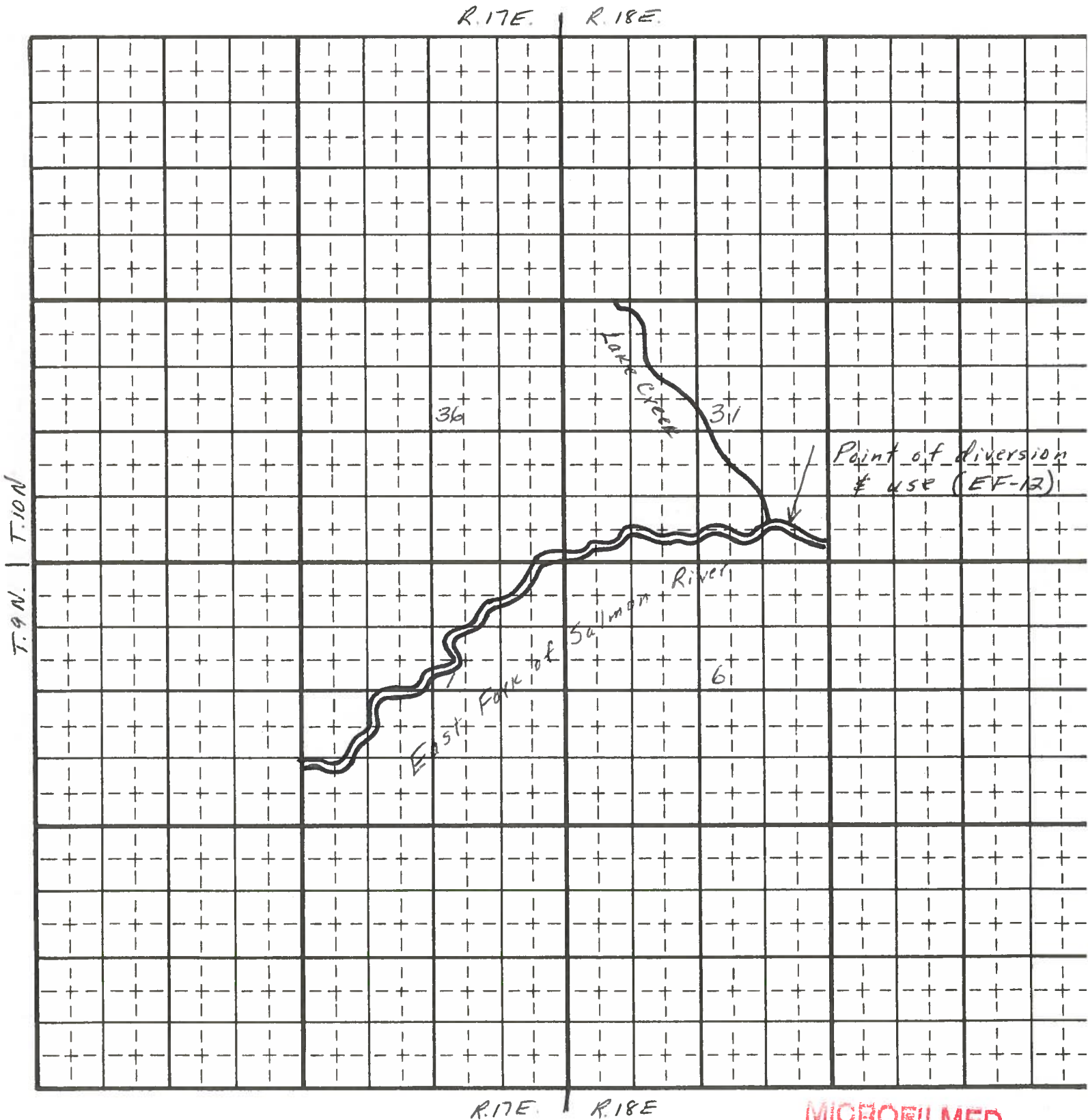
MAR 19 1993

Last Name IDF#G 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



MICROFILMED

MAR 19 1993

Last Name IDF#G 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 _____
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 _____

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 Assistant Director
IDAHO DEPT. OF FISH & GAME Title

of _____, that I have signed the foregoing
Organization
document in the space below as Acting Director of IDAHO DEPT. OF FISH & GAME
Title Organization

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

Signature of Authorized Agent Kenneth D. Prince

Title and Organization Assistant Director Date 3-13-90
IDAHO DEPT. OF FISH & GAME

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

Subscribed and sworn (or affirmed) before me this 13th day of March 19 90

SEAL

Notary Public Larry L. Uenholm

Residing at Emmett, ID

My Commission Expires 8-15-93

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 _____

MICROFILMED

MAR 19 1993

Last Name IDFG Ident. Number _____

Copies White-State, Yellow-Claimant

Date Received _____

State of Idaho
Department of Water Resources

REQUEST FOR EXTENSION OF TIME
TO FILE ADJUDICATION CLAIM(S)

The Idaho Department of Water Resources will consider this form as a request that the claimant be granted an additional period of time in which to file claim(s) beyond the 90 days allowed by Section 42-1409(10), Idaho Code.

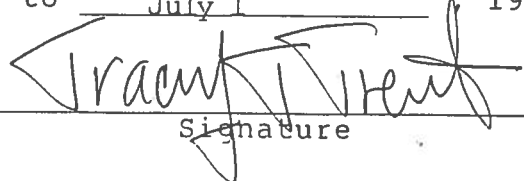
Idaho Department of Fish and Game
Name of Claimant
P. O. Box 25, 600 South Walnut
Post Office Address
Boise, ID 83707
City, State, Zip Code

County(s) where Place of Use is located

Date Claim Originally Due

Identify water right(s) for which extension is requested
State reason(s) why an extension of time is requested:
Changes in personnel responsible for filing claims have resulted in
delays in completing applications.

Claimant requests an extension to July 1 1990.


Signature
Chief, Bureau of Program Coordination
Title

=====

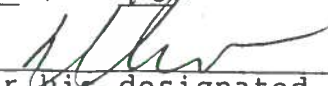
ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

The above request for extension of time is hereby
X granted _____ denied,
and the filing deadline extended to June 30, 1990.

MICROFILMED

MAR 19 1993

Signed this 2 day of June, 1990.


Director or his designated agent
DAVID B. SHAW

4/5/1989

IRBA CLAIMS RECEIVING CHECKLIST 2

CLAIMANT'S NAME

IDFG

CLAIM IDENT. NO.

A72-10533

DATE RECEIVED

4/6/90

CK #

1017346

AMOUNT \$

58 applied

YES

NO

Require 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 ☐ NO *
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 ☐ NO *
- Is the consumptive use correct? ☒ YES ☐ NO N/A ☐ NO *
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 ☐ NO *
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 ☐ NO *
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 ☐ NO *
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 ☐ NO *
21. If this claim is based on an existing water right, has the identification number been entered? ☒ YES ☐ NO N/A ☐ NO *
22. Should this claim be data entered? ☒ YES ☐ NO *

Claim checked by: AS

Date:

8-1-90

Claim must be returned to claimant:

(Yes) ☐ (No) ☐

Claimant must be notified of modifications:

(Yes) ☐ (No) ☐

Receipt Prepared by:

Claim data entered by:

Sent to claimant by:

Date:

Date:

Date:

Checked by:

MICROFILMED

Date:

Comments:

MAR 19 1993



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

CECIL D. ANDRUS
Governor

March 2, 1992

R. KEITH HIGGINSON
Director

A72-10533
STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE

ID 83720

RE: Evidence of Priority

RESPONSE DEADLINE

MAY 1, 1992

Dear Claimant:

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

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

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

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

Respectfully submitted,

Allen Merritt, P.E.
Water Rights Supervisor

Enclosures

MICROFILMED

MAR 19 1993

EVIDENCE OF PRIORITY DATES FOR SALMON RIVER
FISH SCREEN WATER RIGHT CLAIMS
(Continued)

Water Right No.	Screen No.	Proposed Priority Date	Proof of Priority Documentation
A72-10515	EF-BBC-3	1965	C.R.P. construction records (1965)
A72-10516	EF-BBC-2	1965	C.R.P. construction records (1965)
A72-10520	EF-28	1964	C.R.P. construction records (1964)
A72-10521	EF-27	1964	C.R.P. construction records (1964)
A72-10522	EF-25	1964	C.R.P. construction records (1964)
A72-10527	EF-19	1964	IDFG photo files
A72-10528	EF-18	1963 (rebuilt in 1991)	C.R.P. construction records (1963)
A72-10529	EF-16	1963 (rebuilt in 1983)	IDFG photo file
A72-10530	EF-17	1963 (rebuilt in 1983)	C.R.P. construction records (1963) and IDFG photo file
A72-10531	EF-15	1963 (rebuilt in 1988)	C.R.P. construction records (1963) and IDFG photo file
A72-10532	EF-13	1964	C.R.P. construction records (1964) and IDFG photo file
A72-10533	EF-12	1964	C.R.P. construction records (1964) and IDFG photo file
A72-10534	EF-11	1963 (rebuilt in 1989)	C.R.P. construction records (1963) and IDFG photo file
A72-10535	EF-1	1963 (rebuilt in 1982)	IDFG photo file
A72-10536	EF-2	1963	C.R.P. construction records (1963) and IDFG photo file



IDAHO FISH & GAME

600 South Walnut / Box 25
Boise, Idaho 83707

April 15, 1992

RECEIVED

APR 15 1992

Department of Water Resources
Sagehen Forest Office

Mr. Allen Merritt, P.E.
Water Rights Supervisor
Idaho Department of Water Resources
Southern Region
222 Shoshone St., East
Twin Falls, ID 83301

Re: Evidence of Priority for Water Right Claims A72-10491 through A72-10541

Dear Mr. Merritt:

Enclosed please find evidence supporting the priority dates for the above-referenced water right claims. Priority dates for these claims have been amended to reflect the years the fish screens were actually constructed, not the date easement agreements were filed with Custer County, as was reported on the original claims. The evidence comes from Columbia River Program (C.R.P.) construction notebooks (1963-1965) and Salmon River Fish Screen Program photo records. These are unpublished documents on file at the Department of Fish and Game regional office in Salmon. I have included a list of the water right claims, proposed priority dates (year screens were built), descriptions of the documentation submitted to verify the priority dates, and photo copies of the pertinent records for each claim.

In searching through our records to establish evidence of priority dates, I found some screens were not built until several years after the easement agreements were finalized. Some of the screens were not constructed until after 1971 and thus adjudication claims for these water rights were erroneously filed. I have included a separate list of these claims that should be dropped and will submit applications for permits for them instead.

If you have questions regarding the attached information, please contact me at 334-2597.

Sincerely,

Cindy Robertson

Cindy Robertson
Sr. Fishery Research Biologist

CR:tlv

Enclosures

cc: Jim Blake, Salmon
Engineering
Cecil D. Andrus / Governor
Jerry M. Conley / Director



Working for wildlife - since 1938

MICROFILMED

MAR 19 1993



APR 15 1992

Department of Water Resources
Bozeman, Montana Office

CERTIFICATION

I, Cynthia A. Robertson, Sr. Fishery Research Biologist for the Idaho Department of Fish and Game, and custodian of the records of the Department's water rights, do hereby certify that the attached pages are true records pertaining to water right claims to the best of my knowledge.

Dated this 15 day of April, 1992.

Cynthia A. Robertson
Cynthia A. Robertson
Sr. Fishery Research Biologist

State of Idaho)
) S.S.
County of Ada)

On this 15th day of April, 1992, personally appeared before me, Terry L. Vernholm, a notary public, Cynthia A. Robertson, whose identity is personally known to me and who by me duly sworn, is a Sr. Fishery Research Biologist for the Idaho Department of Fish and Game and said attached information is true and accurate to the best of her knowledge.

Terry L. Vernholm
Notary Public for Idaho
Residing in Emmett, Idaho
Commission Expires 8-15-93

MICROFILMED

MAR 19 1993

RECEIVED

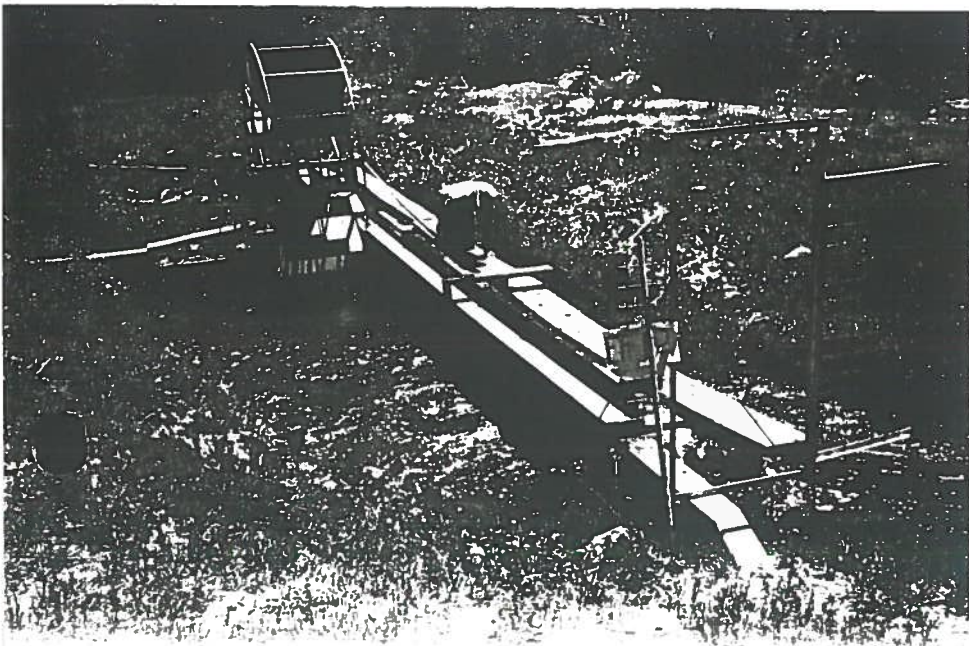
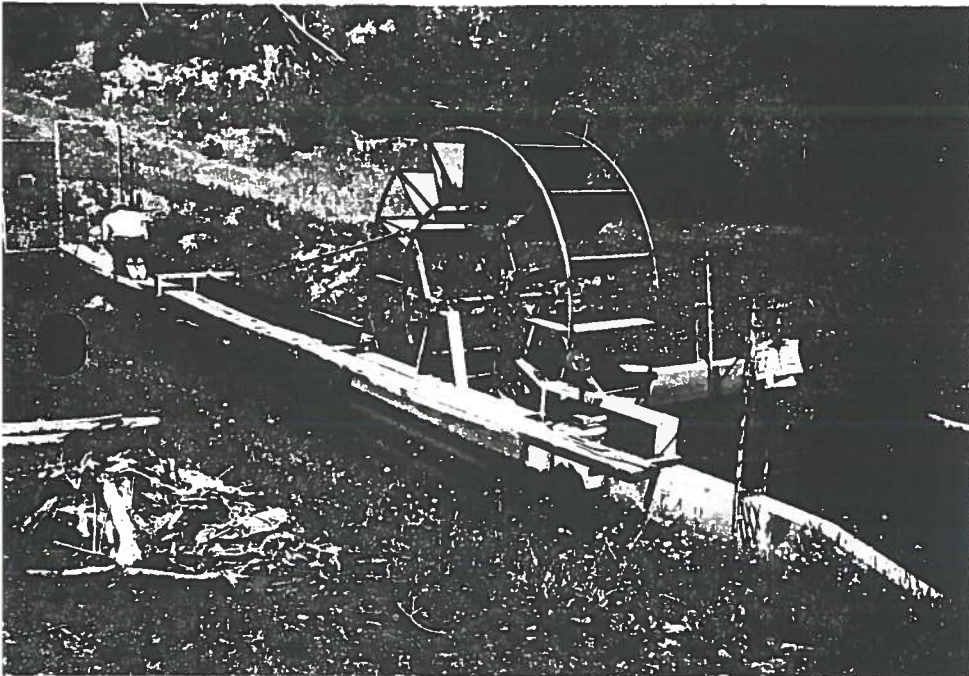
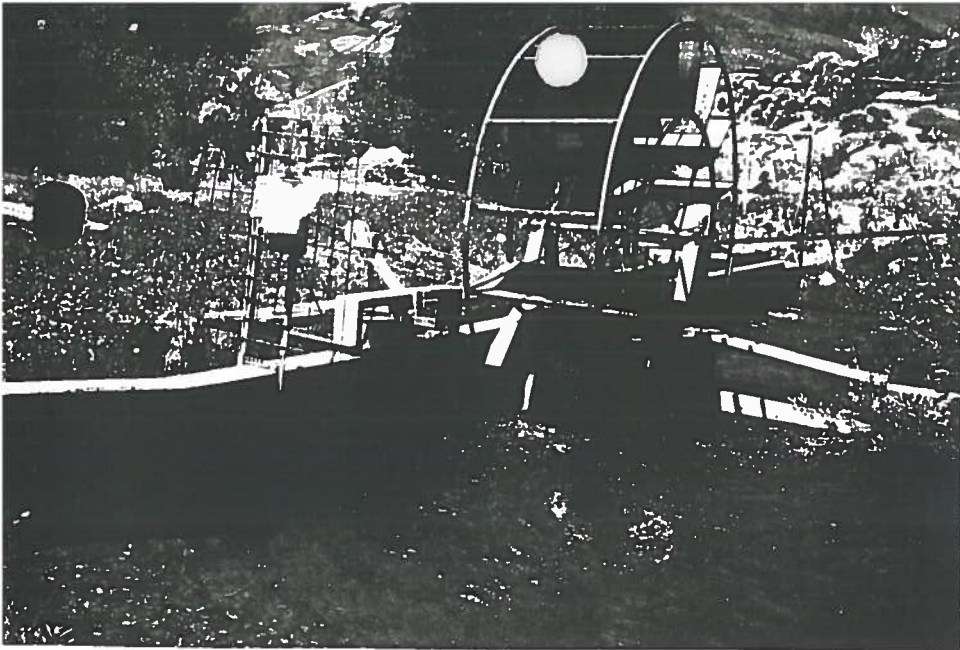
APR 16 1992

Department of Water Resources
Southern Region Office

EVIDENCE OF PRIORITY DATE FOR ADJUDICATION CLAIM NO. **A72-10533**

MICROFILMED

MAR 19 1993



B + 1964

SCREEN # SFF 12

APPROACHMENT DITCH SIZE 1'x4'

USE *in* *yes*

TYPE OF SCREEN *Wiper Water Wheel*

SIZE OF SCREEN 3'x12'

MODIFIED *No*

STRUCTURE *Poor*

CATWALKS *Poor*

HANDRAILS *None*

BYPASS SIZE 6"

HOW REDUCED *Not*

APPROX. LENGTH 25 yds

TRASH RACK *Fair*

CONDITION OF ROAD

CONDITION OF GATES

ADDITIONAL COMMENTS

SCHEDULED REPLACEMENT

1990 - 1995

A72-10533

MICROFILMED

MAR 19 1993

C.R.P.
LEMHI-CUSTER COUNTY
STRUCTURES CONSTRUCTED
DURING YEAR

1964

A72-10533

NOT FILMED
MAR 19 1993

A72-10533

S-15	SEE-24
S-10-D	SEE-23
S-10-C	SEE-28
S-EF-30	SEE-12
S-EF-27	SEE-9
S-EF-29	
S-EF-26	
SEE-25	
SEE-13	
R.R.-1	
R.R.-2	
R.R.-3	
L5-1	

MICROFILMED
MAR 19 1993

CE = Crank Type Elec
CW = " " w/wheel
CGW Chaining w/wheel
CEE " " Elec

A72-105303

1969

557-12

ГН 6 3x20.4

Top Well 95.89

~~Top Floor~~ 91.85

9/18

MICROFILMED
MAY 19 1968

B. [unclear]

1955

1 wooden Hand-out 6 in x 8 in

1 wooden Spillway 6 in x 8 in

20.

DATE: 11/22/98
PAGE: 23

DIVERSION VOLUME

0.80 CFS

0.80 CFS

Stage: BENEFICIAL USE
CUSTER County

CUSTER County

FISH PROPAGATION NW

PN

	NESE	NHSE	SWSE	SESE
NESE	---	---	---	---
NHSE	Lt Ac	Lt Ac	Lt Ac	Lt Ac
SWSE	Lt Ac	Lt Ac	Lt Ac	Lt Ac
SESE	Lt Ac	Lt Ac	Lt Ac	Lt Ac

POU County: CUSTER

Non-Irrigation Uses: FISH/ BYPASS PIPE AT FISH SCREEN

Other Rights: NONE

Remarks: GEN THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 72-00199, -00200.

Dates:	Exam Made Date:	09/07/1993	Verified Date:	Objection Filed Date:
--------	-----------------	------------	----------------	-----------------------

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

Comments:	Date:	User-ID:	HITCHCOC Subject:	COPIED FROM REMARKS
	12/14/1993	EF-12,	EASEMENT AGREEMENT	
	11/14/59,	PAGES 540, 541,	569-571, BOOK 33 & EF-12 (RELOCATED)	
	PAGES 86-89, BOOK 35.	DITCH OWNERS--M. & G. PEDRIN.		

Audit:	11/14/92	CLELLAND	12/14/93	HITCHCOC	01/05/94	HITCHCOC	03/15/95	FHITCHCO
--------	----------	----------	----------	----------	----------	----------	----------	----------

R PROOF

CVR

MAPS

PHOTOS

MISC

—

—

—

—

—

Water Right Number - R72-10533

Prefix Translation: RESEARCH

Old (D) Number -

*** C - CURRENT OWNER ***
STATE OF IDAHO

*** K - ALSO KNOWN AS ***
FISH & GAME

1 - DEPT OF FISH & GAME
2 - PO BOX 25
3 -
City- BOISE
Phone - 208-334-3700

State- ID Zip- 83702

+ - - Priority Date - - +
04/15/1964

+ - - Region - - +
17 SOUTHERN

+ - - Stage - - +
J - BENEFICIAL USE

+ - - Status - - +
State- ID Zip- 0

Source - - - - -
SALMON RIVER, EAST FORK

+ - - Tributary - - - - -
SALMON RIVER

+ - - - - - Point of Diversion - - - - -
Twn Rng Sec Tract Lot Rflg County
10N 18E 31 NE SW SE (37) CUSTER

+ - - - - - Water Use - - - - -
Code Description Period From Period To Diversion Rate Diversion Volume
19 - FISH PROPAGATION 04/15 10/15 0.800
+ - Total Div. Rate - + - Total Div. Volume - + - Total Consumptive Use - + - KW Usage - +
0.800 0.0

+ - - - - - Place of Use - - - - -
Twn Rng Sec Tract Lot Acres Code Description County
10N 18E 31 SE SE 19 FISH PROPAGATION (37) CUSTER
Total Acres:

+ - - Diversion Means - CONCRETE STRUCTURE, DITCH & BYPASS PIPE

+ - - Non-Irrigation Use - FISH/ BYPASS PIPE AT FISH SCREEN

+ - - Other Rights for Same Use - NONE

THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERS-
ION DESCRIBED ABOVE: 72-00199, -00200.

Water right number - R72-10533

Prefix Translation: RESEARCH

+ - - - - Old Water Right Numbers - - - - -
+ - - - - Old Water Right Numbers - - - - -
+ - - - - No Old Water Right Numbers Found - - - - -

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

+ - - - - Decree Plaintiff - - - + - - - - Decree Defendant - - - +
+ - - - - Decree Date - +
+ - - - - 00/00/0000

+ - - - - Comments - - - - -
+ - - - - Date: 12/14/1993 User Id: HITCHCO Subject: COPIED FROM REMARKS 11/14/59, PAGES 540, 541, 569-571, BOOK 33 & EF-12 (RELOCATED)
+ - - - - EASEMENT AGREEMENT EF-12, FILED AT CUSTER CO. COURTHOUSE ON
+ - - - - PAGES 86-89, BOOK 35. DITCH OWNERS--M. & G. PEDRINI.

+ - - - - Audit Fields - - - +
+ - - - - 03/15/95 FHITCHCO

+ - - - - Adjudication Rights Dates and Flags Area - - - - -
+ - - - - Court Report Filing - 00/00/0000 Field Inspection Made - 09/07/1993 Civil Case Number - 39576
+ - - - - Objection Filed Date - 00/00/0000 Field Inspection Flag - Old Case Number -
+ - - - - Response Filed Date - 00/00/0000 Verified Date - 00/00/0000 Old Judicial District -
+ - - - - Claim Received Date - 08/16/1990 Last Amended Date - 00/00/0000 Temporary Right - P
+ - - - - Receipt Number - T017346 Water District -
+ - - - - POU Ownership Flag - N Federal/State Indicator - S
+ - - - - Name Connector - OR Presumption Flag -
+ - - - - Notice of Error Flag -

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

11:05:14
06/07/92

PAGE: 12
QUICKLOOK INFORMATION

CLAIM NUMBER: A72-10533

WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE	Y		<i>7/09-05-93</i>	<i>Y</i>	<i>62</i>		<i>12-04-93</i>	
POINT OF DIV	Y			<i>Y</i>	<i>15+62</i>			
SOURCE	Y							
PLACE OF USE	Y							
DIV. AMOUNT CFS/VOLUME	Y	<i>Hand to file 10-19-1993</i>						
CONSUMPTIVE USE	-							
PURPOSES	Y							
PERIOD OF USE	Y							
BASIS OF CLAIM	Y			<i>Y</i>	<i>63</i>			
REMARKS	Y							

VERIFIED BY CODES

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

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

*62 Ifrc field material
63 Agency aerial photos
63 Dept Div. structural*

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A72-10533

LAST: STATE OF IDAHO
ADDRESS: ~~DEPT~~ OF FISH & GAME
CITY: ~~P.O.~~ BOX 25
PHONE NUMBER: 208-334-3700
OWNER CODE: C

FIRST:
STATE: ID ZIP: 83720
83702

~~ST: DEPT~~ OF FISH & GAME
ADDRESS:
CITY: X
PHONE NUMBER: 208-000-0000

FIRST:
STATE: ID ZIP: 0

OWNER CODE: K

FIELD EXAM REQUIRED?

DATABASE
Y
FIELD EXAMINER

CLAIM REMARKS: EASEMENT AGREEMENT EF-12, FILED AT CUSTER CO. COURTHOUSE ON
11/14/59, PAGES 540, 541, 569-571, BOOK 33 & EF-12 (RELOCATED)
PAGES 86-89, BOOK 35. DITCH OWNERS--M. & G. PEDRINI.

ipmtd *End 7*

CONTACT PERSON: _____

PHONE NUMBER: (____) ____-____

DATE OF FIELD EXAM: 07/16/93

APPOINTMENT MADE: Y(____) N(____)

TIME: ____:____ A(____) P(____)

ACCOMPANIED BY: _____

PHONE NUMBER: (____) ____-____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / REMARKS:

Just so of memo re - turn left and west of rd with a brown road.

A. AJ CLAIM: # A72-10533 PRIORITY DATE: 11-14-1959 STAGE: J

B. WR RECORD: NO WATER RIGHT RECORD TO MATCH THIS AJ CLAIM

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE Y FIELD EXAMINER

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

REMARKS:

Priority date claimed is the date of the document recording at County
of Fresno that was filed was 05-01-1964. I would not put
a field exam. assumed date on signature (unclear)
date for the area.

Up until revision of use to 4-15 to 10-15 08-15-1995 by 71.

RECOMMENDED PRIORITY DATE:

~~03-01-1964~~ 4-15-1964

REVIEWED BY 71

DATE 12-14-1993

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-10533	10N	18E	31		SE	SE		CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD
 A PREFIX R PREFIX
 NONE NONE
 72-00199
 72-00200

SOURCE: EAST FORK OF SALMON RIVER TRIB: SALMON RIVER

B. WR POINT OF DIVERSION AND SOURCE:

THERE IS NO WATER RIGHT RECORD WITH THE SAME CLAIM NUMBER

SOURCE: NO SOURCE FOR RECORD TRIB: NO TRIBUTARY FOR RECORD

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY?	(Y/N)	DATABASE	FIELD EXAMINER
DUE TO SOURCE DISCREPANCY?	(Y/N)	Y	-----

REMARKS:

POD appears to be NE 5N 5E. Reimund USGS OPR 1974 11-23-24;
 USGS TPO-1963 11-23-24; IT+G TPO-1565 QURD; IT+G SURVEY
 LOCATIONS; BLM HATCH 4N-78-16N 2 8164 plate 18 06-23-1981;
 USDA-F 16 614060 1789-222 04-04-1991.

Updated

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:
TWP. RGE. SEC. 1/4 1/4

LOT

COUNTY

✓ 10N 18E 31

NE SW

SE

CLATSOP

SOURCE: SALMON RIVER, EAST FORK
REVIEWED BY: J

DATE: 10-14-1993

✓ updated

A. ROOT WATER RIGHT NUMBERS: A72-10533

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
10N	18E	31	SE	SE	SE	STATE OF IDAHO PEDRINI, CATERINA PEDRINI, CATERINA	A72-10533 /	72-00201 / 72-00202 /			

TOTAL ACRES A72-10533 24.00

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

FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER

POU COUNTY: CUSTER

PRESUMPTION FLAG:

REMARKS:

Recommend as shown.

RECOMMENDATIONS:

TOTAL ACRES:

N/A

REVIEWED BY:

77

DATE:

12-14-1993

A. AJ CLAIMED USES:

PURPOSES
A72-10533 FISH PROPAGATION
TOTAL DIVERSION RATE/VOLUME CLAIMED
MONTH/DAY
FROM 03-15 TO 11-15
DIVERSION QUANTITY
.800 CFS
.800 CFS

B. WR RECORDED USES:

PURPOSES
MONTH/DAY
DIVERSION QUANTITY

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED? Y() N()
RECOMMEND TO WR STANDARDS OR OTHER? Y() N() Explain in remarks, below.

REMARKS:

Change to standard irrigation season date 05-01 to 09-30.
Update amount season of use to 4-15 to 10-15 03-15-10-15 by H.

✓ update

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS? *N/A* Y() N()

AJ TOTAL CLAIMED DIVERSION RATE: 0.800 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: CFS

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

FLOW MEASUREMENT REQUIRED?

TRUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N) Y FIELD DATABASE EXAMINER

FLOW MEASUREMENT

MEASUREMENT METHOD *MANU/ING'S*, SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: NONE

NO CLAIMS FOUND WITH SAME POU AND IRRIGATION USAGE

NO RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION

divert @ same POU: A72-00199, -00200
F06 - standard amount.

update

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES ----- X 0.02 CFS/ACRE = CFS
(Taken from p/u review)

1b. CALCULATIONS

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

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

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = AE/A

ACRES ----- X CONSUMPTIVE VOL. AE/A FOR AREA ----- =

TOTAL CONSUMPTIVE USE ----- AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AE/A

ACRES ----- X DIVERSION VOL. AE/A FOR AREA ----- =

TOTAL DIVERSION VOLUME ----- AE/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y(☒) N()

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

*Surface water diversion rate N/A. See ir nonconsumptive, water
stand to well.*

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FOREFEIT/ABANDON
ADDITIONAL DIV. AMOUNT

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-10533

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE

EXAMINER

CFS

SPLITS:

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

A72-10533

0.800

TOTAL CFS

0.800

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, is the written review sheet attached? (Y/N)

DATABASE
N

FIELD
EXAMINER

REMARKS:

AUTHENTICATION:
SIGNATURE:

[Signature]

DATE:

12-14-1993

NAME OF FIELD EXAMINER:

TITLE:

Field Inspection Flag:
Presumption Flag:

RECOMMENDED -

18E

POU

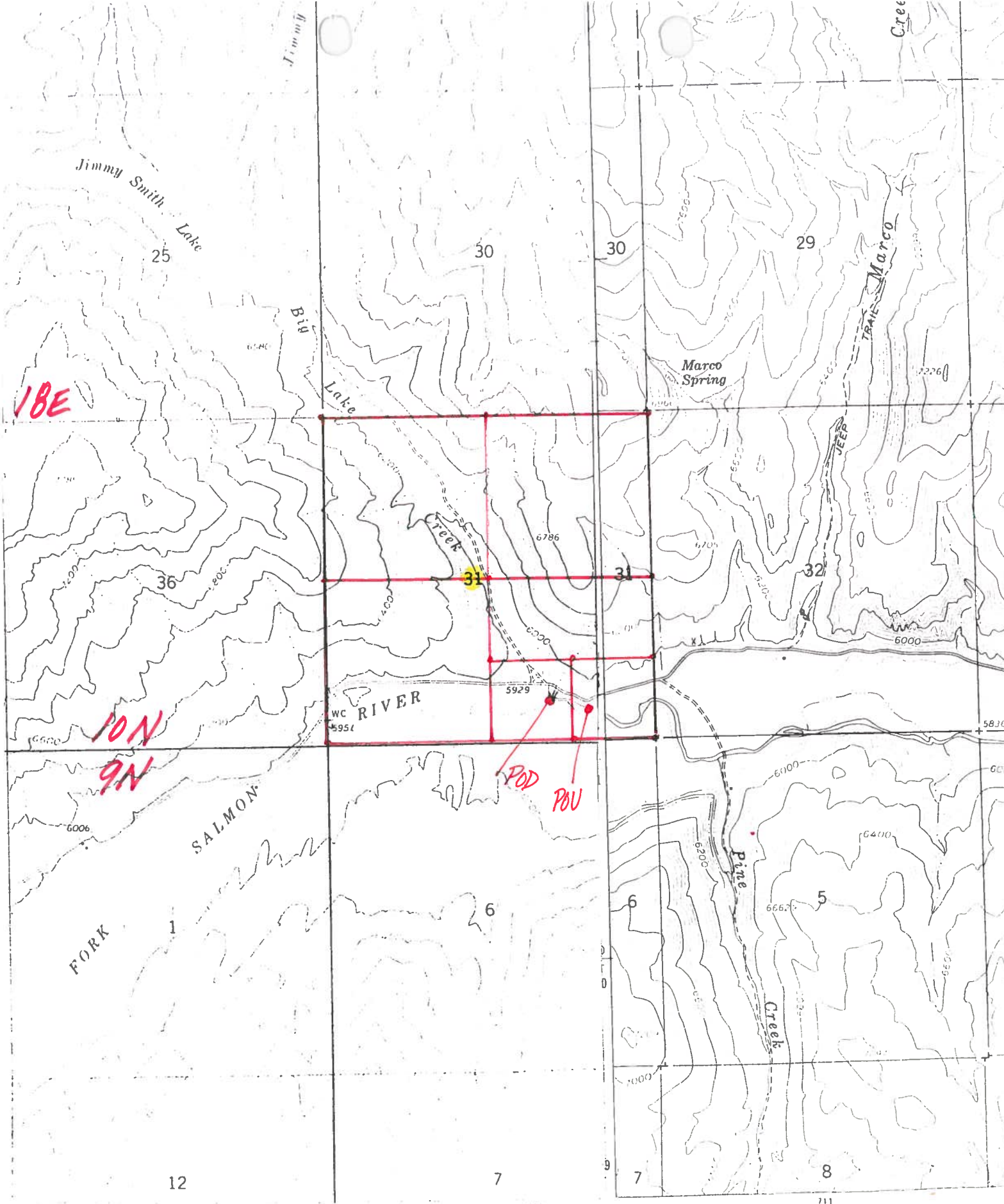
POD

10N
9N

NOTE: Unable to
provide an
image to
scale...

POD: NESW SE §31

POU: SE SE §31



22'30"
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

A72-10533 USGS TOPO-1963 V-24+-23 EF-1.

RECEIVED

JUL 27 1993

Department of Water Resources
Southern Region Office

18E

31

EF-12

10N
9N

EF-13

EF-15

EF-14

A72-10533

IF-A TOPO-USGS QUA

EF-12

NE 4 SE 4-31

NW 4 SW 4-32

NE 4 SW 4-32

Angle Pole #158
1825' x 5'

2505' to angle pole 161
Salmon River Electric
Power line Idaho & Coor

to clayton

Electric line to
Pedirini River

Access entry to
East road road
approx. 5 mile

Yacomella ditch #5

Department of Water Resources
Southern Region

site approx. 1000'
below ranch

Yacomella ranch

SE 4 SW 4-32

splitting into
and channel to
river

SE 4 SE 4-31

SW 4 SW 4-32

To Pedirini Ranch
& Pine Creek

Culvert
Yacomella ditch #5
Screen site
EF-11

T-10N, R-18E BM
T-9N, R-18E BM

31 25 31 32
25 65

NE 4 NE 4-6

Pedirini
Ranch
NW 4 NW 4-5

Pine Creek

SCREEN LOCATION MAP - EF-11 & 12

STATE OF IDAHO - DEPARTMENT OF WATER RESOURCES
FISH & GAME DIVISION

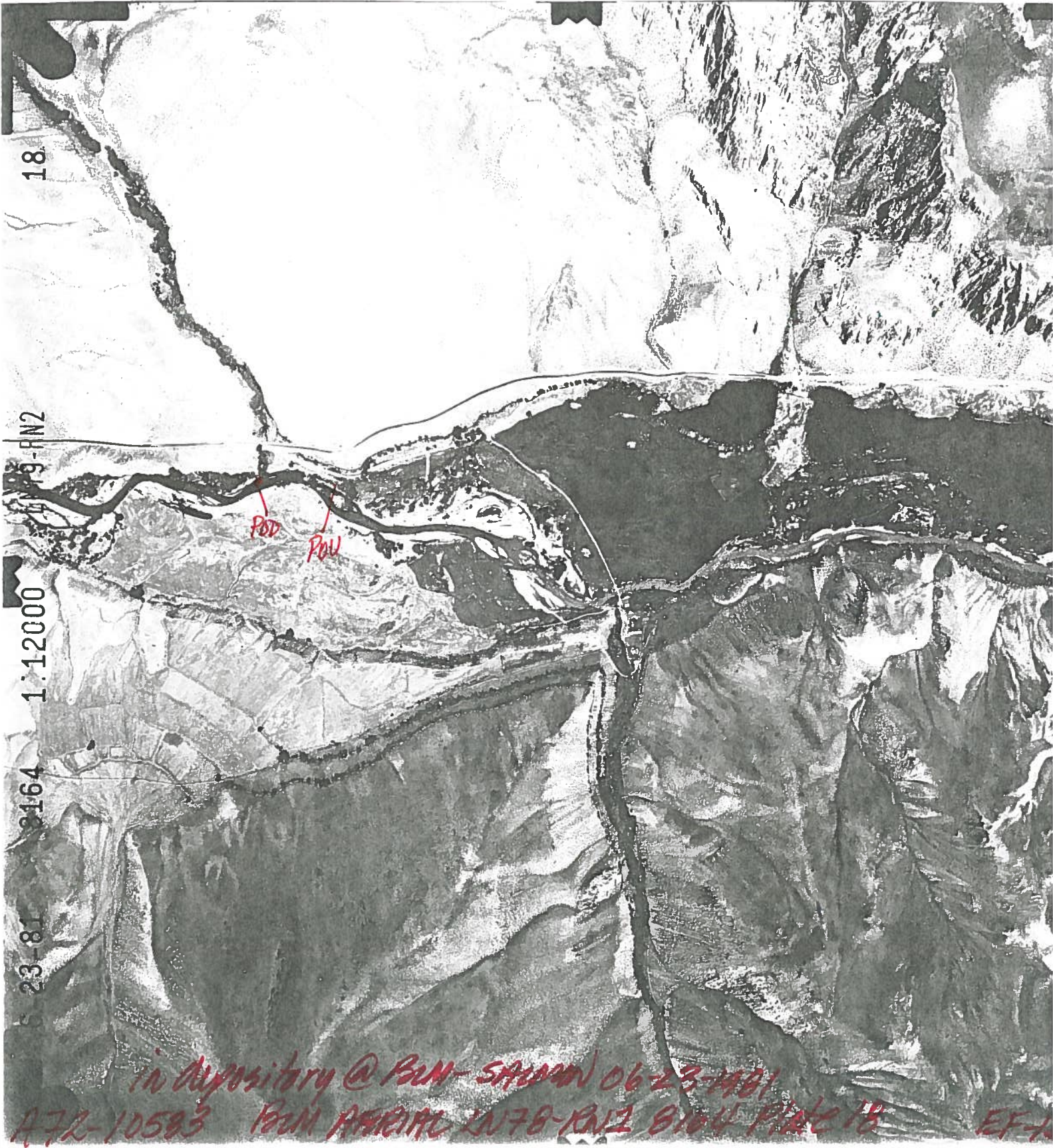
McGIBSON
McGIBSON

JUL 27 1998

RECEIVED

AT 10533 IF&G SCREEN LOCATIONS

EF-1



18

19-RN2

1:12000

3164

23-81

in depository @ BOM-SALAMAN 06-23-1981

A72-10593 BOM AERIAL LN78-RN2 B164 PLATE 18

EF-1



9-4-91

USDA-

16

614060

1789-222

2395

in depository @ CHARLES NATL FORN
A72-10583 USDA-F 16 614060 1789-222 09-04-1991 EE-1.



SEE TEXT
ON REVERSE

A72-10533

EF-12

Pix # 10

10¹⁷
AM

Looking E down Channel
to MARCO CR - EF 12

07-16-1993

Roll 21

#

Pix # 19

EE-12

09-09-93

Survey rod over ditch @
site looking NO. towards
Pedrini lane & Baker home.

Pix # 17

EE-12

09-09-93

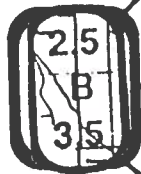
SEE TEXT
ON REVERSE

Spit of submerged pipe to
E.F. - although not visible
in this shot field I am
confined location and rate
of discharge.

6²⁵ PM

Roll 41

#



CONSUMPTIVE IRRIGATION REQUIREMENT

based on the most water-consumptive crop in the area (Allen and Brockway, 1983), generally rounded to the next highest 0.5 afy/acre

IRRIGATION SEASON OF USE

based on a 75 % chance of 24 degrees F. or lower occurring on or after the beginning date in the spring and on or before the ending date in the fall (Everson, Faubion, and Amos, 1978)

A	=	May 1	-September 30
B	=	April 15	• -October 15
C	=	April 1	-October 31
D	=	March 15	-November 15
E	=	March 1	-November 30

FIELD HEADGATE REQUIREMENT

consumptive irrigation requirement divided by irrigation application efficiency (70 - 75%) rounded to the nearest 0.5 afy/acre

DATE: September 13, 1993
FROM: Brett Barry
TO: IDF&G Adjudication Files
Subject: Fish Screens-Measurement

In the Salmon River drainage basin, the IDF&G has built a fish screen on almost every major irrigation canal that diverts water from a river or creek that possess a spawning fish population.

The IDF&G has filed adjudication claims on the diversion of water from the irrigation canal to the bypass pipe at the fish screen.

On September 1 and September 2, and again on September 7 through the 9, Frank Hitchcock and I conducted the field examinations for the adjudication claims. Each fish screen had a unique structure and bypass pipe.

Most of the permits contained bypass pipes that were underground from the entrance at the fish screen to the outlet at the river or creek. Therefore, a Polysonic ultrasound measurement was usually not possible.

Loren Holmes, manager of Southern Regional Office, suggested we survey the bypass pipe and obtain the difference in elevation between the water surfaces. This enables us to find the amount of head(energy per unit weight) consumed in the bypass pipe. Once the amount of head consumed is found, the flow can be calculated by estimating the relative roughness of the pipe or by estimating a Manning's coefficient.

The actual calculation involves using the Manning's equation for head loss in a pipe and the minor losses caused by inlets, outlets, and transitions, and the velocity head generated by an open discharge. This calculation was completed with the use of a program developed by Allen Merritt and myself on LOTUS 1-2-3.

This program is very useful for calculating the discharge when the outlet of the pipe is completely full or the outlet of the pipe is submerged in the creek or river.

When the bypass pipe doesn't possess the characteristics of above, a measurement is obtained by treating the pipe inlet as a submerged orifice with a certain amount of head(see attached sheet).

A72-10533

EF1.



DEPARTMENT OF WATER RESOURCES

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

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

September 15, 1993

Chuck Keller
Department of Fish and Game
P.O. Box 1336 Highway 93
Salmon, Idaho 83467

Subject: Fish Screens

Dear Mr. Keller,

The attached sheets are a summary of the following diversion rates found in the bypass pipes at their respective fish screens. The head corresponds to the height of water from the middle of the pipe to the water surface.

The diversion rates were calculated by using an Polysonic ultrasound flowmeter whenever the bypass pipes were exposed enough. However, this was usually not the case. Therefore, I surveyed the water surfaces at the inlet and outlet. This enabled me to find the amount of head (energy per unit weight) consumed in the bypass pipe. The flow was then calculated by estimating a Manning's coefficient in the Manning's equation for head loss in a pipe. If the pipe was not full at the outlet, the diversion rate was calculated by treating the pipe as a submerged orifice with a particular discharge coefficient.

There were certain fish screens that we were unable to locate or found to be out of operation. Mel Schulte, Senior Water Resource Agent, will be contacting your department this fall about the status of these fish screens.

I am returning to Oregon State University on September 23. Therefore, if you have any particular questions, please be free to contact me at 736-3033.

Sincerely,

Brett Barry
Water Resource Agent

A72-10533

EF-12

Prepared by Brett Barry
on 9-3-93

145. Orifice Relationships.—Formulas (45) and (46) can be used to develop a formula for flow through an orifice (a hole in the side or bottom of a container of water (fig. 107)). To find the velocity of flow in the orifice, use formula (46), $v = \sqrt{2gh}$. Then using the size or area of the hole, the quantity of water being discharged, Q , can be determined using formula

310 WATER MEASUREMENT MANUAL

(45), $Q = Av$. This can be accomplished in one step, however, if the two formulas are combined.

Inserting the value $\sqrt{2gh}$ for v in $Q = Av$ gives

$$Q = A\sqrt{2gh}, \quad (47)$$

the formula for the *theoretical* discharge through an orifice. This formula assumes that the water is frictionless and is an ideal fluid. Since water is not an ideal fluid, a correction must be made.

The jet of water, after passing through the orifice, continues to contract, and if the orifice edges are sharp, the jet will appear as shown in figure 108. The maximum jet contraction occurs at a distance of one-half the orifice diameter, or $d/2$, downstream from the sharp edge, and the cross-sectional area of the jet will be only about six-tenths of the area of the orifice. Accordingly, formula (47) must contain a coefficient, C , to accurately determine the quantity of water being discharged. Thus, in actual practice,

$$Q = CA\sqrt{2gh} \quad (48)$$

For a sharp-edged orifice where full contraction occurs, the coefficient is about 0.61, and the formula becomes

$$Q = 0.61A\sqrt{2gh}$$

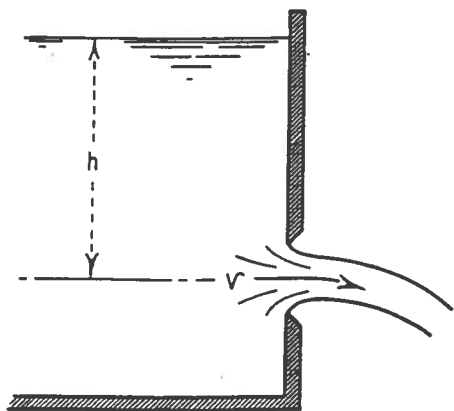


Figure 107.—Orifice flow. 103-D-986.

Water Measurement
Manual

United States Department of Interior
Bureau of Reclamation Denver 1967 pgs 309-310

TUBES, CULVERTS, AND SIPHONS

Cylindrical Tubes. A short cylindrical tube $2\frac{1}{2}$ to 3 diameters in length with sharp upstream corners (Fig. 43) is called a *standard short tube*. The sharp corner causes the jet to contract, but it soon expands and fills the tube. The space s surrounding the contracted jet is filled with air and eddying water. Since the velocity at m in the contracted

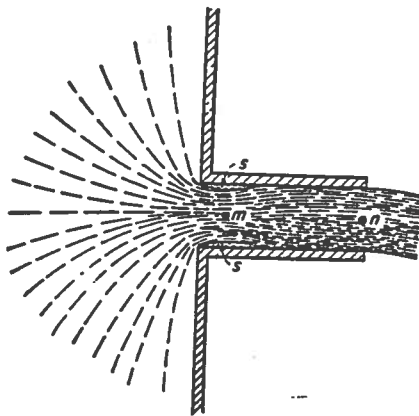


Fig. 43. Standard short tube.

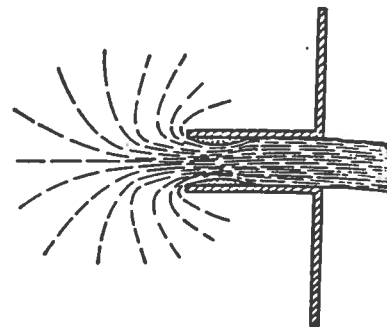


Fig. 44. Reentrant tube.

jet is greater than at the outlet n where pressure is atmospheric, it can be shown by Bernoulli's equation that the pressure at m is less than atmospheric pressure. The discharge of this tube is therefore greater than the discharge of a sharp-edged orifice of the same diameter under the same head. Since the tube flows full, the coefficient of contraction is unity, and the coefficient of discharge [Eq. (54)] equals the coefficient of velocity. From experiments, the average coefficient of discharge C is 0.82. Substituting this value of C , or C_v , in Eq. (58) gives as the head lost in discharge

$$h_l = 0.50 \frac{v^2}{2g} \quad (65)$$

where v is the mean velocity in the tube. The conditions of flow in a short tube correspond to the conditions at the entrance to a pipe.

A tube projecting into a body of water (Fig. 44) is called a *reentrant tube*. The contraction produced by this tube is greater than for the standard short tube. The behavior of the water in the two kinds of tubes is otherwise similar. From experiments, the coefficient of discharge $C = 0.75$ and the lost head $h_l = 0.78v^2/2g$.

Civil Engineering Handbook
Urquhart, Leonard
McGraw-Hill Book Company, Inc.
1959 pgs. 4-37-4-38

A72-10533

EF-12

Dept. of Fish and Game - Fish Screens

Basin 72			
Screen	Diversion Rate (cfs)	Head (ft)	
EF-1	1.72	1.76	
EF-2	1.95	2.00	
EF-3	1.39	1.21	
EF-4	1.63	1.39	
EF-5	0.77	1.96	
EF-7	1.68	1.48	
EF-8	0.87	2.47	
EF-9	0.60	1.17	
EF-10	1.64	1.42	
EF-11	1.17		
EF-12	1.00	1.40	
EF-13	0.06	2.77	
EF-15	1.52	1.46	
EF-16	1.24		
EF-17	0.75	1.76	
EF-18	1.05		
EF-19	1.74	1.60	
EF-20	0.82	1.50	
HC-1	0.73	1.75	
HC-2	0.46	0.69	
HC-3	0.71	1.40	
BBC-1	0.77	1.97	
BBC-2	0.78	2.00	
WSC-1	0.28	0.86	

A72-10533

EF-12

EF-12

6" plastic

inlet - re-entrant tube entrance

6" plastic

outlet - submerged outlet into excess bypass
ditch that returns to

H = 1.15' from top of pipe to water surface S.F. of
Salmon R.

7.94' Water Surface At Inlet

9.30' " " At Outlet

49' pipe length

IDAHO DEPARTMENT OF WATER RESOURCES
WORKSHEET TO CALCULATE FISH SCREEN BYPASS

=====

PERMIT NUMBER:	(EF-12)	Lotus program: FISHSCRE.WK3
LOCATION:	East Fork of Salmon River	Created by: Allen Merritt
BY:	BRB	Date last revised:
DATE:	9-08-93	8-10-93 BY ADM

PLASTIC KIND OF PIPE

6.2 DIAMETER IN INCHES

1.36 HEAD IN FEET (DIFF BETWEEN HEAD & TAILWATER)

49 LENGTH OF PIPE IN FEET

0.009 MANNINGS ROUGHNESS COEF

2 MINOR LOSSES K VALUE

(INLET) RE-ENTRANT = 1, FLUSH = 0.10-0.50

(OUTLET) OPEN = 1, SUBMER = 1

(TRANSITION) 0.0-1.0

0.516667 dia in feet

0.258333 pipe radius in feet

0.129167 hydraulic radius in feet

0.027755 hydraulic slope

0.209658 cross section area of pipe

1.009217 CFS (DIRECTLY CALCULATED FROM MANNINGS)

A72-10533

EF-12

TELEPHONE MEMORANDUM

Incoming Call
X _____
Outgoing Call 1.10 PM to 1.35PM

Returning Call

TO: Chuck Keller, Program Director

DATE: 10-19-1993

FROM: FH

FILE: Idaho F & G SRBA claims for Salmon River, East Fork, fish screens

FILE NO: _____

SUBJECT: diversion rates in excess of claimed amounts as a result of
field exam measurements

REMARKS: described results of measurements that were over the claimed
diversion rates and suggested possible amendment(s) to claims if they wanted to.

Keller said that he didn't know what the basis for the diversion rate was based
on since his only experience is based on the 10% of canal Q that is used by BOR
in Washington state where is based. He is "on loan" to F & G at this time.

Described the review period established by the court for his future use.

ROUTING
INSTRUCTIONS: _____

CALENDAR
DATES: _____

A72-10533

EF-12

SEF-07

05/25/93	6.8 Above	-	n/a
07/12/93	13.2	0.6-0.7F	n/a
09/14/93	12.0	0.5-0.6F	n/a
09/07/93	~IDWR 14.75		
08/11/59	12.6	-	-

SEF-08

05/26/93	5.1	1.93	n/a
07/13/93	3.4	1.75	n/a
09/14/93	3.8	-	n/a
09/07/93	~IDWR 4.11 Above		

SEF-09

05/26/93	7.4	98% Sub.	n/a
07/13/93	5.3	97% Sub.	n/a
09/14/93	3.1	None	n/a
09/07/93	~IDWR 3.1 Above		

1958 or 1959

6.4

-

-

Headgate washed out 1958, to rebuild in 1960 for 5.0 cfs. (1959 data)

SEF-10

05/26/93	6.3	1.21	n/a
07/13/93	4.1	1.58	n/a
09/15/93	6.5	1.06	n/a
09/07/93	~IDWR 9.0 Above		

08/24/59

5.5

-

-

SEF-11

05/27/93	14.8	1.66	n/a
07/13/93	17.9	1.75	n/a
09/15/93	13.6	1.58-1.59F	n/a
09/07/93	~IDWR 17.5		

07/17/59

8.8

-

-

SEF-12

05/27/93	16.8	-	n/a
07/13/93	17.7	2.1-2.2F	n/a
09/20/93	13.6	1.96-2.0F	n/a
09/09/93	~IDWR 16.0		

07/17/59

8.4

-

-

RECEIVED

NOV 23 1993

Department of Water Resources
Southern Region Office

A72-10533 IF+G 1993/1959 DATA

EFF.