

DATA ENTERED BY DB
DATE 8-16-90

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: A72-10515
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: SEP 12, 1963
3. Source: BIG BOULDER CREEK Trib. to: EAST FORK OF SALMON RIVER
4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
09N	17E	15	NW	NE		2	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
09N	17E	15	NW	NE	2	FISH	
11. Place of use in counties: CUSTER

A72-10515

Page 1

Date: 08/17/90

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

13. Other Water Rights Used:
NONE

14. Remarks:

EASEMENT AGREEMENT EF-BBC-3, FILED AT CUSTER CO. COURTHOUSE ON
9/12/63, PAGES 74-76, BOOK 35. DITCH OWNERS--E.M. BAKER & SONS.

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

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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 _____

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IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLSIN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM

CIVIL CASE NUMBER: 39576

Ident. Number A72-10515Date Received 6/19/90Receipt Number JO17346NOTICE OF CLAIM
TO A
WATER RIGHT
ACQUIRED UNDER STATE LAW

Please type or print clearly

1. Name of Claimant (s) Idaho Department of Fish & Game Phone (208) 334-3700Mailing Address 600 South Walnut, Box 25, Boise, Idaho Zip 837072. Date of Priority (Only one (1) per claim) September 12, 19633. Source of water supply (a) Big Boulder Creek
which is tributary to (b) East Fork of Salmon River4. a. Location of existing point of diversion is: Township 9 N Range 17 E Section 15,
1/4 of NW 1/4 of NE 1/4, Govt. Lot, 2 B.M., County of CusterAdditional points of diversion if any: —

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

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

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

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

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

5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well.Concrete structure with metal screen which prevents fish from
entering irrigation ditch. Structure includes a bypass pipe which
returns water to the main stream.

COPY

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EF-BBC-3

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

10. Description of place of use: fish passage.

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	
9N	17E	15		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-BBC-3, filed at Custer Co. Courthouse
on 9/12/63. Pages 74-76, Book 35.
Ditch owners - E.M. Baker & sons

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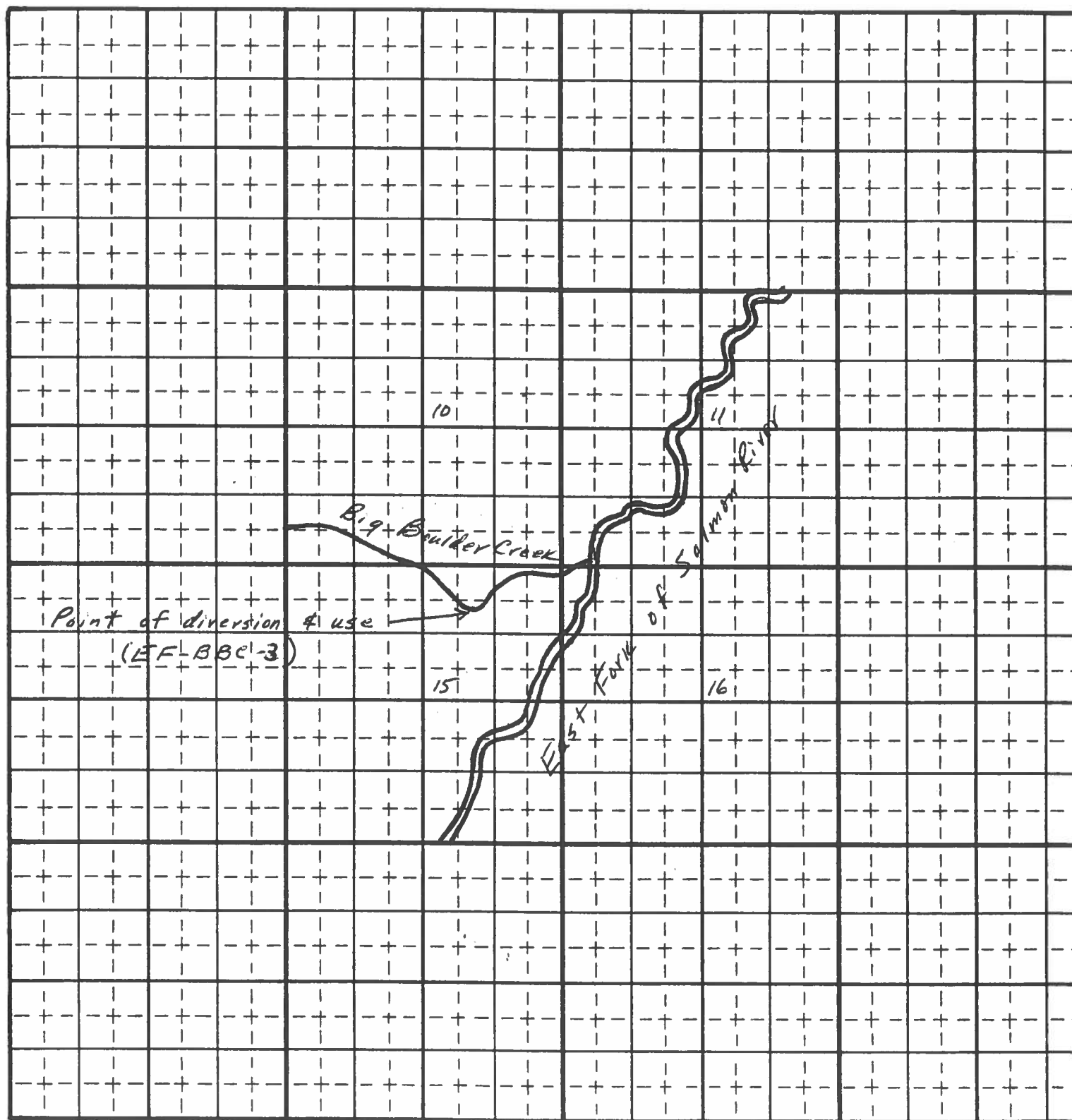
Last Name IDF&G Ident No. _____

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

T. 9 N R. 17 E



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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. Price

Title and Organization

Assistant Director
IDAHO DEPT. OF FISH & GAME

Date 3-13-90

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. Vennholm

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

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MAR 18 1993

Last Name IDF#G 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.

Signed this 2 day of June, 1990.

Director or his designated agent
DAVID B. SHAW

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4/5/1989

SRBA CLAIMS RECEIVING CHECKLIST #2

CLAIMANT'S NAME

IDFG

CLAIM IDENT. NO.

A72-10515

DATE RECEIVED

6/19/90

CK #

TO17346

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:

RAT

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:

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Comments:



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301 (208) 736-3031

CECIL D. ANDRUS
Governor

March 2, 1992

R. KEITH HIGGINSON
Director

A72-10515
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

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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

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MAR 18 1993



IDAHO FISH & GAME

600 South Walnut / Box 25
Boise, Idaho 83707

April 15, 1992

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APR 17 1992

Department of Water Resources
Southern Region 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

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APR 17 1992

Department of Fish and Game
Emmett, Idaho 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

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Department of Water Resources
Southern Region Office

EVIDENCE OF PRIORITY DATE FOR ADJUDICATION CLAIM NO. **A72-10515**

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Columbia River Project

Idaho Fish & Game Dept.

Salmon, Idaho

Fish Screens constructed

During year of 1965

A72-10515

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July-9-65

A72-10515

Big Boulder Creek-3

CW-3 3x8 RH

Top Wall 96.05

Top Footer 92.01

Bot. Footer 91.31

By-Pass 4" X 30'

steel 180'

Cement 16 sacks

A72-10515

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Water Right Number - R72-10515

Prefix Translation: RESEARCH

Old (D) Number -

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

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

State- ID Zip- 83702

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

1 -
2 -
3 -
City- X
Phone - 208-000-0000

State- ID Zip- 0

+ - - Priority Date - - +
07/09/1965

+ - - Region - - +
17 SOUTHERN

+ - - Stage - - +
J - BENEFICIAL USE

+ - - Status - - +

Source - - - +
BIG BOULDER CREEK

+ - - Tributary - - - +
SALMON RIVER, EAST FORK

+ - - Point of Diversion - - - +
Twn Rng Sec Tract Lot Rflg County

09N 17E 15 SE NW NE 2 (37) CUSTER

Code	Description	Period from	Period to	Water Use	Diversion Rate	Diversion Volume
19	FISH PROPAGATION	04/01	10/31		0.780	

+ - Total Div. Rate - + + - Total Div. Volume - +
0.780

+ - Total Consumptive Use - + + - KW Usage - +
0.0

Total Acres:

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
09N	17E	15	NW NE	2		19	FISH PROPAGATION	(37) CUSTER

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

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

+ - - Remarks - - - - -
USE USE IS FOR A BYPASS PIPE AT FISH SCREEN.

Water right number - R72-10515

Prefix Translation: RESEARCH

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

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

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

+ - - - - Comments - - - - - +
Date: 12/28/1993 User Id: HITCHCOCK Subject: COPIED FROM REMARKS
EASEMENT AGREEMENT EF-BBC-3, FILED AT CUSTER CO. COURTHOUSE ON 9/12/63, PAGES 74-76, BOOK 35. DITCH OWNERS--E.M. BAKER & SONS.
Date: 11/22/1998 User Id: DUTTHILL Subject: COPIED FROM REMARKS
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 72-00204, 72-10302, 72-10303,
72-10304.
Date: 12/20/1999 User Id: VHANCOCK Subject: RECOMMENDATION CHANGE
POD LEGAL CHANGED IN RESPONSE TO SF5 SIGNED 12-1-1999.

+ - - Audit Fields - - - +
12/21/99 VHANCOCK

+ - - - - Adjudication Rights Dates and Flags Area - - - - - +
Court Report Filing - 03/05/1999 field Inspection Made - 00/00/0000 Civil Case Number - 39576
Objection Filed Date - 00/00/0000 Verified Date - 00/00/0000 Old Case Number -
Response Filed Date - 00/00/0000 Last Amended Date - 00/00/0000 Old Judicial District -
Claim Received Date - 08/16/1990 Receipt Number - T017346 Temporary Right - P
POU Ownership Flag - N Water District -
Name Connector - OR Federal/State Indicator - S
Notice of Error Flag - Presumption Flag -

BAC3

RECEIVED

DEC 6 1999

Department of Water Resources

DISTRICT COURT SRBA
FIFTH JUDICIAL DISTRICT
COUNTY OF TWIN FALLS, STATE OF IDAHO

DEC 1 1999

BY

CLERK

DEPUTY CLERK

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

In Re SRBA

Subcase No. 72-10515

Case No. 39576

Standard Form 5

STIPULATED ELEMENTS
OF A WATER RIGHT

This form is used to report the stipulated elements of one water right acquired under state law and/or one federal reserved water right. Submission of this form will not automatically result in the issuance of a partial decree. The Presiding Judge or Special Master will conduct any hearing necessary to determine the facts, date, expert opinions and law supporting the issuance of a partial decree for the water right.

The parties agree that the Snake River Adjudication Court has jurisdiction of the parties and subject matter to enter a partial decree for this water right; that they have been served with sufficient process, according to the law; and that they have appeared, prosecuted, and defended their positions with regard to this water right dispute.

The parties and IDWR agree and stipulate that the elements of this water right should be described per the attached. The parties and IDWR have further indicated their concurrence by initialing each of the attached pages.

OBJECTOR:

United States on behalf of the
Bureau of Land Management

Larry A. Brown

12/1/99
Date

Attorney, U.S. Department of Justice
Environment and Natural Resources Div.

CLAIMANT:

State of Idaho

Peter J. Ampe

12/1/99
Date

Deputy Attorney General

IDWR CONCURRENCE:

Jeanie Robertson
St. Water Res. Agent

12/1/99
Date

IDWR CONCURRENCE:

APPROVED AS TO FORM

Wendy Spencer 12-1-99
DEPUTY ATTORNEY GEN'L Date

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHTS FROM: SOURCE: BIG BOULDER CREEK TRIBUTARY: SALMON RIVER,
EAST FORK

RIGHT NUMBER: 72-10515

NAME & ADDRESS: STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83702

SOURCE: BIG BOULDER CREEK TRIBUTARY: SALMON RIVER, EAST FORK

QUANTITY: 0.78 CFS

PRIORITY DATE: 07/09/1965

POINT OF
DIVERSION: T09N R17E S15 LOT 2 (NESEWNNE)

 NBS
Within CUSTER County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE
FISH PROPAGATION

PERIOD OF USE
04-01 10-31

QUANTITY
0.78 CFS

USE IS FOR A BYPASS PIPE AT FISH SCREEN.

PLACE OF USE: FISH PROPAGATION
T09N R17E S15 Lot 2 (NWNE)

Within CUSTER County

EXPLANATORY MATERIAL: BASIS OF CLAIM - BENEFICIAL USE

CERTIFICATE OF MAILING

I certify that on 12/1, 1999, I mailed the original and copies of this form, including all attachments, postage prepaid and addressed as follows:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
253 Third Avenue North
P. O. Box 2707
Twin Falls, Idaho 83303-2707

2. Copy to:

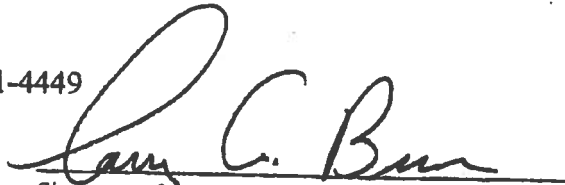
Idaho Department of Water Resources
Adjudication Bureau
1301 North Orchard Street
Boise, Idaho 83706

IDWR Document Depository
P. O. Box 83720
Boise, Idaho 83720-0098

3. Copies to all parties to the subcase (insert names and addresses):

U.S., Department of Justice
Environment and Natural Resources Division
General Litigation Section
550 West Fort Street, MSC 033
Boise, Idaho 83724

Peter J. Ampe
Deputy Attorney General
Office of the Attorney General
State of Idaho
P. O. Box 44449
Boise, Idaho 83711-4449



Signature of person or attorney mailing the form

✓

RECEIVED
JUN 29 1999
Department of Water Resources
Southern Region

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

In Re SRBA

Case No. 39576

A. Subcase 72-10515

(Insert water right number)

**STANDARD FORM 1
OBJECTION**

Please fill in the following information:

B. NAME AND ADDRESS OF PERSON OBJECTING

Name: United States of America acting through the Department of Interior,
Bureau of Land Management, Idaho State Office
Address: 1387 South Vinnell Way
Boise, Idaho 83709-1657
Daytime Phone: see below
Name & Address of Attorney, if any:

Larry A. Brown 208 387-0835; R. Lee Leininger, 202 305-0242; Paul F. Holleman, 202 305-0494
United States Department of Justice; Environment and Natural Resource Division; General Litigation Section
550 West Fort Street, MSC 033; Boise, Idaho 83724

C. CLAIMANT OF WATER RIGHT AS LISTED IN DIRECTOR'S REPORT

Name: State of Idaho
Address: PO Box 25 Boise, ID 83702
Name: Department of Fish & Game
Address:
Name:
Address:
Name:
Address:

D. I object to the following elements as recommended in the Director's Report. (Please check the appropriate box(es)).

1. ☐ **Name and Address**
Should be: _____
2. ☐ **Source**
Should be: _____
3. ☐ **Quantity**
Should be: _____
4. ☐ **Priority Date**
Should be: _____
5. ☒ **Point(s) of Diversion**
Should be: See attached _____
6. ☐ **Instream Flow Description**
Should be: _____
7. ☐ **Purpose(s) of Use**
Should be: _____
8. ☐ **Period of Year**
Should be: _____
9. ☐ **Place of Use**
Should be: _____

11. **I object because:**

- ☐ This water right should not exist.
- ☐ This water right was not recommended, but should be recommended with the elements described above.

E. REASONS SUPPORTING OBJECTION(S):

The legal description for element five (POD) inaccurate.

F.

VERIFICATION (Must be Completed)

State of Idaho)

) ss.

County of Ada)

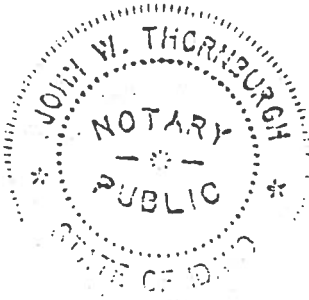
Gary A. Madenford, Water Rights Team Leader, duly sworn, upon oath, deposes and says:
(Name of person filing objection)

That I am the party/claimant filing this objection, as defined by I.C. §§ 42-1401A(1) and (6) or that I am the attorney for the party/claimant objecting and that I have read this objection, know its contents and believe that the statements are true to the best of my knowledge.

Gary A. Madenford
(Signature of person filing objection)

Larry G. Brown
(Attorney signing in representative capacity)

Subscribed and sworn to before me on: June 1, 1999



John W. Thornburgh

John W. Thornburgh

Notary Public for Idaho

Residing at: Boise

My Commission Expires: 05-16-2003

INSTRUCTIONS FOR MAILING

You must mail the objection, to the Clerk of the Court. **FAX filings will not be accepted.** You must also send a copy to all the parties listed below in the Certificate of Mailing.

G. CERTIFICATE OF MAILING

I certify that on June 2nd, 1999, I mailed the original and copies of this objection, including all attachments, to the following persons:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
253 Third Avenue North
P.O. Box 2707
Twin Falls, ID 83303-2707

2. One copy to the claimant of the water right at the following address:

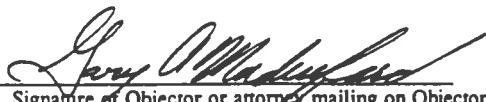
Name: State of Idaho
Address: PO Box 25 Boise, ID 83702
Name: Department of Fish & Game
Address:
Name:
Address:
Name:
Address:

3. Copies to:

IDWR Document Depository
PO Box 83720
Boise, ID 83720-0098

United States Department of Justice
Environment and Natural Resource Division
550 West Fort Street, MSC 033
Boise, ID 83724

Chief, Natural Resources Division
Office of the Attorney General
State of Idaho
PO Box 44449
Boise, ID 83711-4449


Signature of Objector or attorney mailing on Objector's behalf

AJ5856NP

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

DATE: JAN-26-1999
PAGE: A-56

RIGHTS FROM : SOURCE: BIG BOULDER CREEK TRIBUTARY: SALMON RIVER, EAST FORK

RIGHT NUMBER : 72-10515

NAME & ADDRESS : STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83702

SOURCE: BIG BOULDER CREEK TRIBUTARY: SALMON RIVER, EAST FORK

QUANTITY: 0.78 CFS

PRIORITY DATE : 07/09/1965

POINT OF DIVERSION : T09N R17E S15 LOT 2 (NENWNE) *TRACT SHOULD BE SENEUSE* Within CUSTER County

PURPOSE AND PERIOD OF USE : PURPOSE OF USE PERIOD OF USE QUANTITY
FISH PROPAGATION 04-01 10-31 0.78 CFS

USE IS FOR A BYPASS PIPE AT FISH SCREEN.

PLACE OF USE : FISH PROPAGATION Within CUSTER County
T09N R17E S15 Lot 2 (NWNE)

EXPLANATORY MATERIAL : BASIS OF CLAIM - BENEFICIAL USE

R PROOF

CVR

MAPS

PHOTOS

MISC

(REGIONAL)

Water Right Number - R72-10515

Prefix Translation: RESEARCH

Old (D) Number -

+ - - - - Last Name - - - - + + - First Name - - - - + - - - - - Address - - - - - +

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

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

State- ID Zip- 83702

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

1 -
2 -
3 -
City- X
Phone - 208-000-0000

State- ID Zip- 0

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - +
04/15/1965 17 SOUTHERN J - BENEFICIAL USE

+ - - - - Source - - - - - + - - - - Tributary - - - - - +
BIG BOULDER CREEK SALMON RIVER, EAST FORK

+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot Rflg County
09N 17E 15 NE NW NE 2 (37) CUSTER

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
19 - FISH PROPAGATION 04/15 10/15 0.780

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
0.780 0.0

+ - - - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County
09N 17E 15 NW NE 2 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

+ - - - - Remarks - - - - - +
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 72-00204, 72-10302, 72-10303,
72-10304.

Water right number - R72-10515

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 Date - +
00/00/0000

+ - - - - Decree Defendant - - - +

+ - - - - Comments - - - - - +
Date: 12/28/1993 User Id: HITCHCOG Subject: COPIED FROM REMARKS
EASEMENT AGREEMENT EF-BBC-3, FILED AT CUSTER CO. COURTHOUSE ON 9/12/63, PAGES 74-76, BOOK 35. DITCH OWNERS--E.M. BAKER & SONS.

+ - - Audit Fields - - +
03/16/95 FHITCHCO

+ - - - - Adjudication Rights Dates and Flags Area - - - - - +

Court Report Filing	- 00/00/0000	Field Inspection Made	- 07/28/1993	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	-

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>07-28-93</i>	<i>Y</i>	<i>62</i>		<i>12-28-93</i>	
POINT OF DIV	Y			<i>Y</i>	<i>15+62</i>			
SOURCE	Y							
PLACE OF USE	Y							
DIV. AMOUNT CFS/VOLUME	Y	<i>MEMO 12-01-93.</i>		<i>Y</i>	<i>5</i>			
CONSUMPTIVE USE	-							
PURPOSES	Y							
PERIOD OF USE	Y			<i>Y</i>	<i>63</i>			
BASIS OF CLAIM	Y							
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.

61. ITHC material.
62. Agency Archive.
63. Sept material.

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

FIRST:
STATE: ID ZIP: 83720

83720

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

FIRST:
STATE: ID ZIP: 0

OWNER CODE: K

FIELD EXAM REQUIRED?
VERIFICATION REQUIRED DUE TO REMARKS?
DATABASE Y FIELD EXAMINER

CLAIM REMARKS: EASEMENT AGREEMENT EF-BBC-3, FILED AT CUSTER CO. COURTHOUSE ON 9/12/63, PAGES 74-76, BOOK 35. DITCH OWNERS--E.M. BAKER & SONS.

✓ Update
End 7

[illegible]

CONTACT PERSON:

DATE OF FIELD EXAM: 07/28/1993

ACCOMPANIED BY:

RELATIONSHIP TO CLAIMANT:

DIRECTIONS TO PROPERTY / REMARKS:

PHONE NUMBER: ()

[illegible]

PHONE NUMBER: ()

A. AJ CLAIM: # A72-10515 PRIORITY DATE: 09-12-1963 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 ()

REMARKS:

Priority date claimed is the date of the document recording @
water co. Patent first was filed use was 05-01-1965 (water
company of construction company. But well are irrigation
system date for the well.

Updated to correct version of use 4-15 to 10-15 03-16-1995 by F.

RECOMMENDED PRIORITY DATE:

05-01-1965 4-15-1965

REVIEWED BY

F

DATE

12-28-1993

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-10515	09N	17E	15		NW	NE	2	CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
NONE NONE
WR RECORDS IN SAME 40 ACRE TRACT
NONE

SOURCE: BIG BOULDER CREEK

TRIB: EAST FORK OF 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 ASSUMED TO BE NENW NE. REVISITED 1565 TWP + 080 1974 V73.
IE+G TWP 1565 QUTD. IE+G SURVEY LOCATION MAP. BSM HUMBOLDT
NW 78-10N 2 8164 point #6 06-23-1981.

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

9N 17E 15 NW NE CUSTER

SOURCE: BIG BOULDER CR
REVIEWED BY:
DATE: TRIB: SALMON RIVER, EAST FORK

Updated

12-28-95

A. AJ CLAIMED USES:

PURPOSES
A72-10515 FISH PROPAGATION

MONTH/DAY
FROM 03-15 TO 11-15

DIVERSION QUANTITY
.800 CFS

TOTAL DIVERSION RATE/VOLUME CLAIMED

.800 CFS

B. WR RECORDED USES:

PURPOSES

MONTH/DAY

DIVERSION QUANTITY

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

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

Explain in remarks, below.

REMARKS:

Change to standard irrigation season date 05-01 to 09-30.
Update to meet season 4-15 to 10-15 03-16-1995 by H.

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

N/A

Y() N()

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

0.800 CFS
CFS

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

FLOW MEASUREMENT REQUIRED?

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N)

FIELD
DATABASE EXAMINER
Y

FLOW MEASUREMENT

MEASUREMENT METHOD

MEASUREMENTS

, 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

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE $\times 0.02 \text{ CFS/ACRE} =$ CFS
ACRES (Taken from p/u review)

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 $\times$ CONSUMPTIVE VOL. AE/A FOR AREA =

TOTAL CONSUMPTIVE USE AE/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AE/A

ACRES $\times$ 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.)

Ampl with diversion out N/A. Use is non-consumptive, and is returned to river.

1b. CALCULATIONS

RECOMMENDATIONS:

REC.
PURPOSES

REC. PERIOD
FROM TO

REC. DIV
RATE CFS

REC. DIV
VOL. AE/A

REC. CONS.
USE

754 REPRODUCTION

754 0980

.78

N/A

N/A

TOTAL FOR THIS RIGHT

REVIEWED BY: *H*

DATE: *12-28-1993*

Current contacts re dir. amt. 12-01-1993 - see memo.

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FOREFEIT/ABANDON
~~ADDITIONAL~~ DIV. APPROVT

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-10515

DATABASE

EXAMINER

CFS

N/A TOTAL DIVERSION RATE OF WR SPLITS

SPLITS:

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

A72-10515

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:

J. S. Withers

DATE:

12-28-1993

NAME OF FIELD EXAMINER:

TITLE:

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	STATE OF IDAHO DEPT. OF FISH & GAME P.O. BOX 25 BOISE ID 83720 (208) 334-3700	09/12/1963	FISH PROPAGATION	03-15 11-15	0.80 CFS	
				TOTAL DIVERSION:	0.80 CFS	

Water Source: BIG BOULDER CREEK

Tributary to: EAST FORK OF SALMON RIVER

Stage: BENEFICIAL USE

Point(s) of Diversion:

T09N R17E S15 Lot 2(NW/4)

CUSTER County

Face of use Legal Description for: FISH PROPAGATION

	NE/4	NW/4	SE/4	SW/4	NE/4	NW/4	SE/4	SW/4
T R S	: Lt Ac	: Lt Ac	: Lt Ac	: Lt Ac	: Lt Ac	: Lt Ac	: Lt Ac	: Lt Ac
09N 17E 15	:	:	:	:	:	:	:	:
	02-E							

POU County: CUSTER

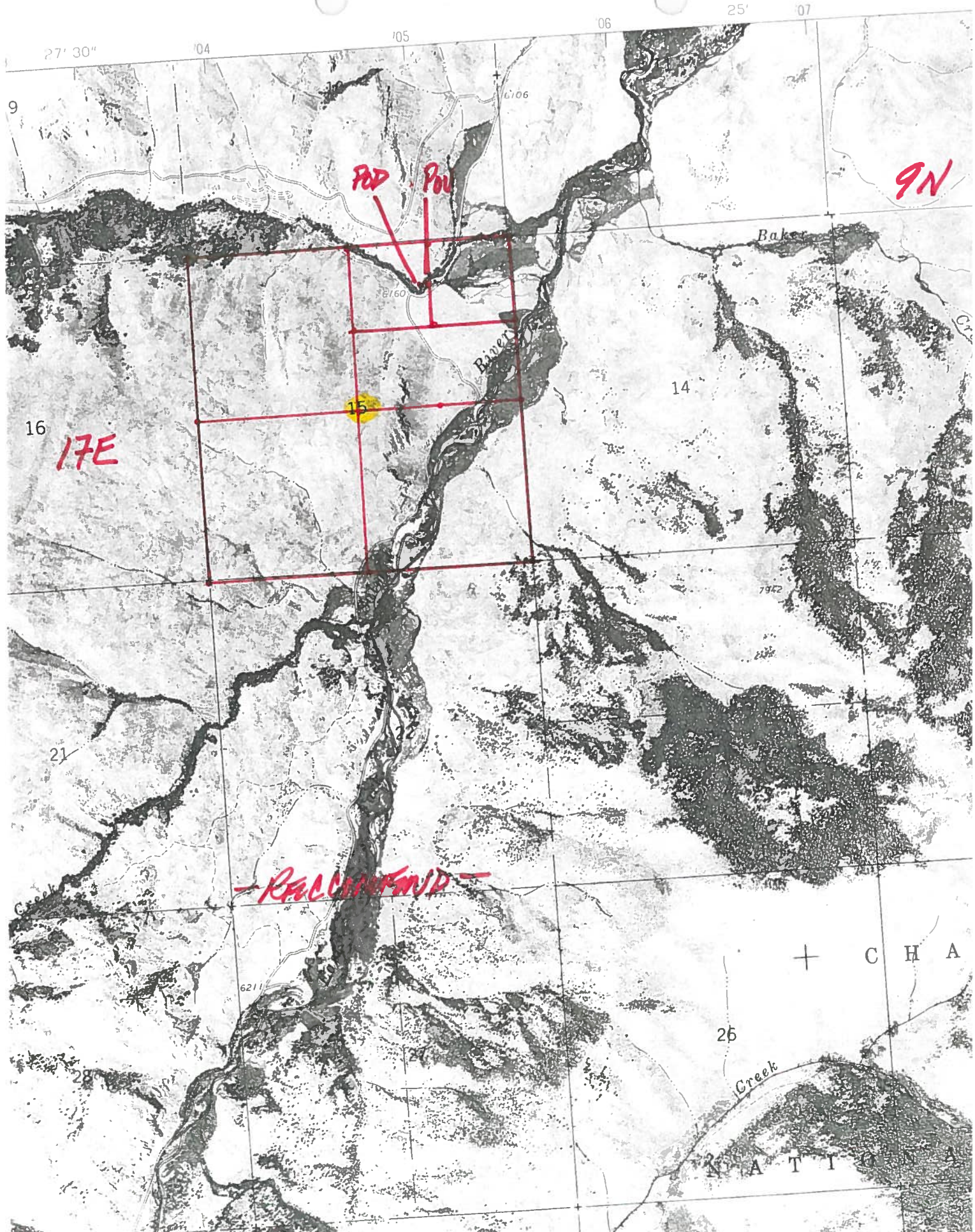
Non-Irrigation Uses: FISH/ BYPASS PIPE AT FISH SCREEN

Other Rights: NONE

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

Remarks: EASEMENT AGREEMENT EF-BBC-3, FILED AT CUSTER CO. COURTHOUSE ON 9/12/63, PAGES 74-76, BOOK 35. DITCH OWNERS--E.M. BAKER & SONS.

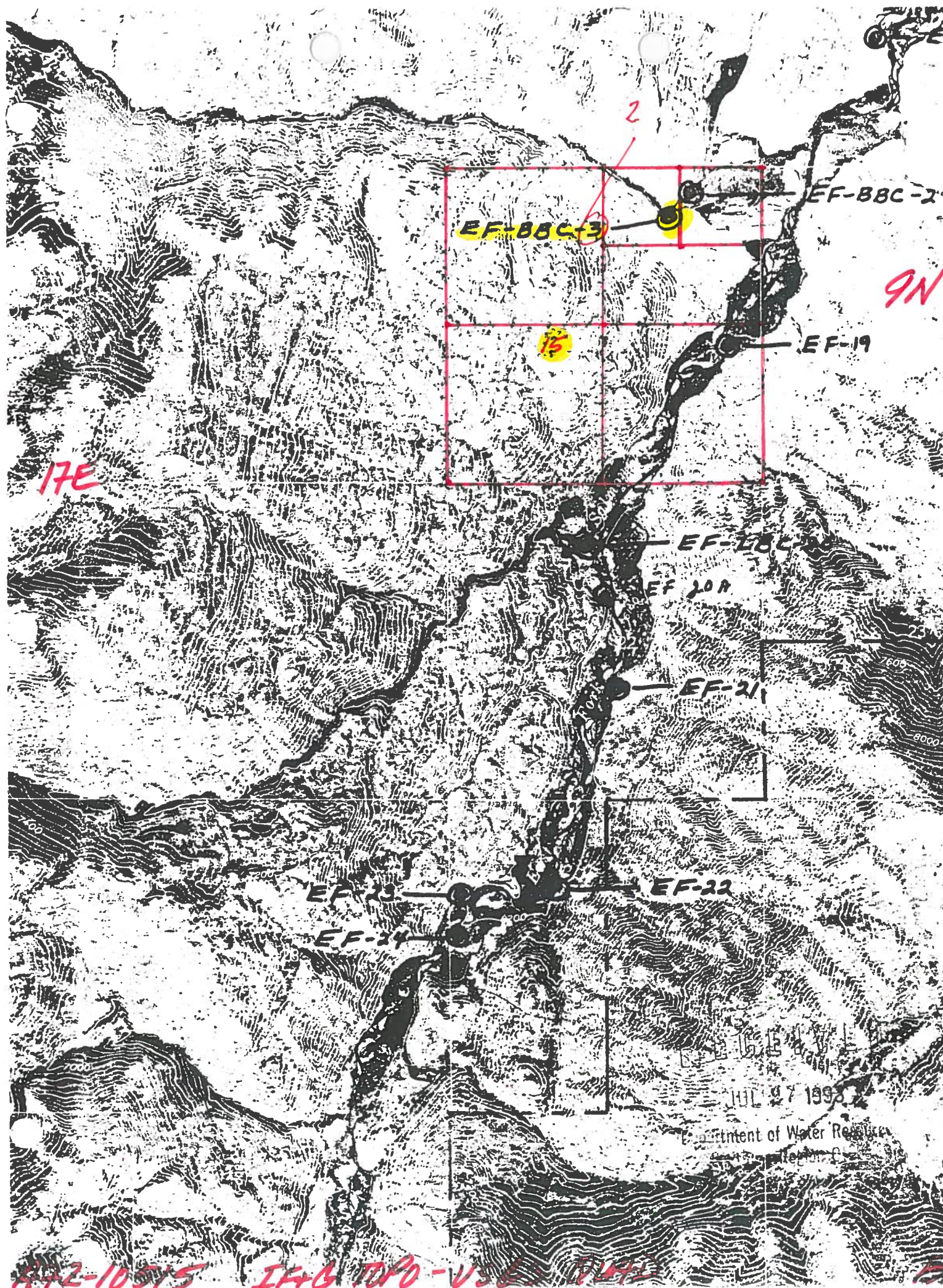
Dates: Exam Made Date: Verified Date:
Misc: Water District Number: Field Inspection Flag:
Presumption Flag:



A7L-10515

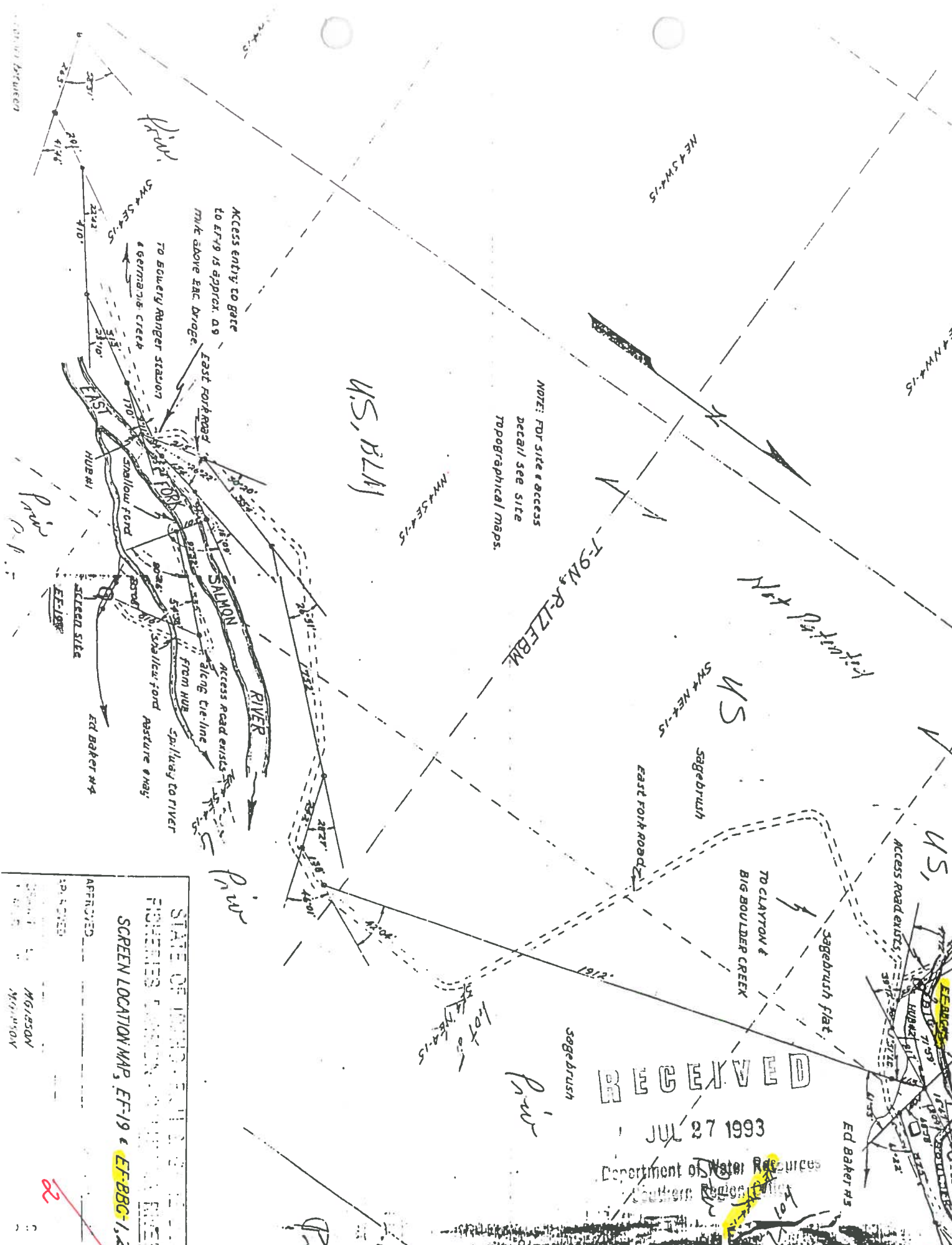
USGS OPQ V73 1974

BR.



U.S. GEOLOGICAL SURVEY
JUL 27 1993
Department of Water Resources
Geological Survey

A72-10515 IFA6 TPO-V36 DUAL



A72-10515 IF+G SCREEN LOCATION MAP BB

6-23-81

8164

12000

10000

POD

POV

in REPOSITORY-BIN-3

A72-10515 BIN AERIAL LINTO RVI 8164 PLATE 6 06-25-81



ID plate on
Site:
EF BBL2



SEE REVERSE
FOR TEXT



A72-10515

BB-2

Pix #9

Roll 15

245
PM

QUIREMENT

Looking NE towards co. road
just NO. of junction BB2.
E. Baker ditch

s F.

01-70-93

Pix #3

BB3

09-09-93

Looking NE up ditch
towards County Road and
E. Baker pastures over
the Survey Road.

ID plate on
site:
EF BBC2

11¹⁰ AM

Roll 40

71

Pix #4

BB3

09-09-93

(2)
discharge pipe - not full -
looking upstream.

SEE REVERSE
FOR TEXT

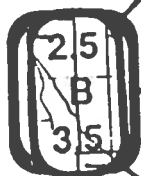
10⁵⁵ AM

Roll 40

71

072-10515

BB-2



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

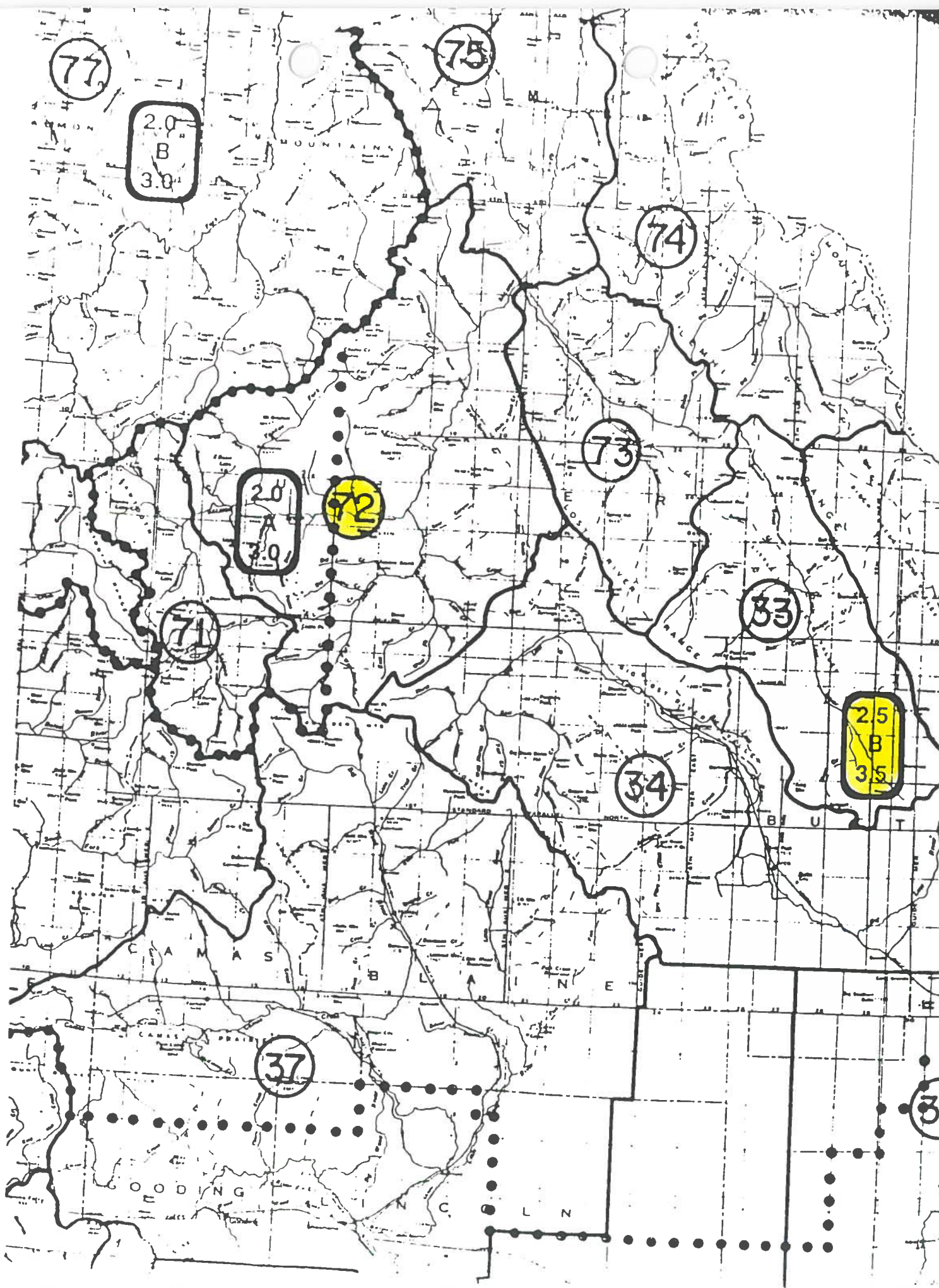
IRRIGATION SEASON OF USE

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



A72-10515 IDWR SEASON BASIN MAP-USGS 1968 BB

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).

A72-10515

BB-



State of Idaho

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

A72-10515

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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

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(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

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

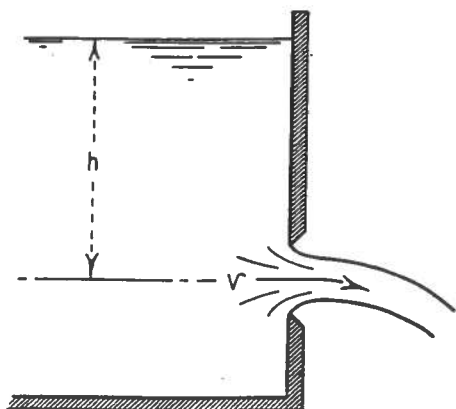


Figure 107.—Orifice flow. 103-D-986.

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 contraction

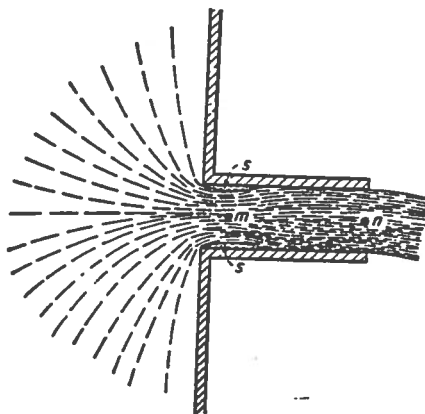


Fig. 43. Standard short tube.

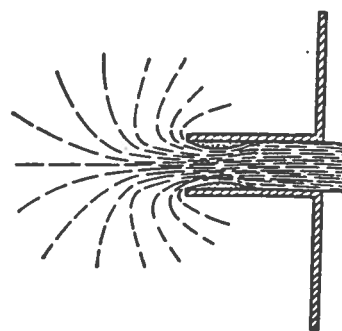


Fig. 44. Reentrant tube.

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

$$h_l = 0.50 \frac{v^2}{2g} \quad (6)$$

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
Orghart, Leonard
McGraw-Hill Book Company
1959 pgs. 4-37-4-38

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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~~ .60	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	

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BB-2

BBC-2

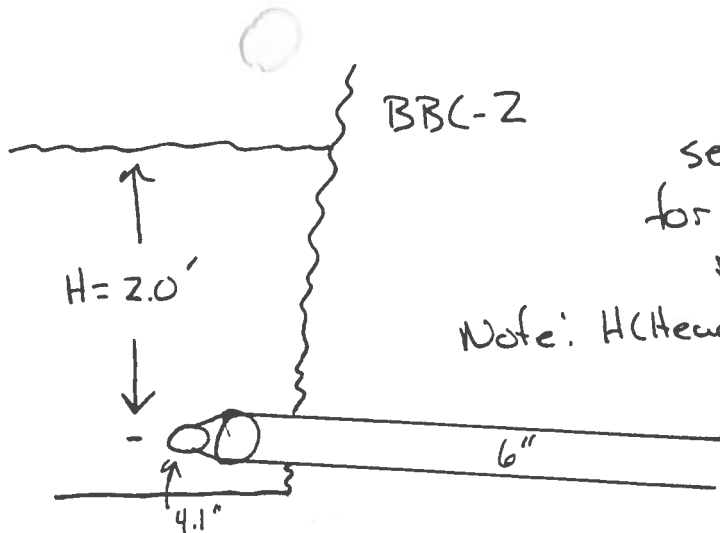
4" to 6" transition immediately inlet

6" ~~transit.~~ outlet

100% open discharge pipe about 30% full

$H = 1.12'$ from water surface to top of pipe

(recent water went up $0.7'$ from structure side)



see attached sheets
for orifice definitions &
relationships

Note: H (Head) was taken from a
recent water mark on
concrete structure

$$\begin{aligned}
 Q &= CA\sqrt{2gH} \\
 &= 0.75 \left(\frac{\pi (4.1)^2}{4} \right) \sqrt{2(32.2)(2.0')} \\
 &= 0.78 \text{ cfs}
 \end{aligned}$$

estimated discharge
coefficient (c) from
reentrant tube
= 0.75

TELEPHONE MEMORANDUM

Incoming Call
X Outgoing Call 10.25 AM/10.50 AM

Returning Call

TO: Phyllis Rose, Technician, Fish & Game

DATE: 12-01-1993

FROM: FH

FILE: Fish & Game Fish Screen Claims

FILE NO: A72-10539, -10492, -10532. -10530, -10514, -10513, -10515, -10516

SUBJECT: measurements lower than claimed for diversion amounts

REMARKS: Gave advance notice on those claims where the measurements came up lower than the claimed diversion amount.

Have Chuck call re: notice of error period during the court ordered reporting for Basin 72.

Reviewed ditch measurements re: how to resolve pipe data and resultant measurement vs. ditch flows if possible.

ROUTING
INSTRUCTIONS:

CALENDAR
DATES:

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SEF-19

06/01/93	1.7	1.86	n/a
07/14/93	2.9	2.04	n/a
09/20/93	2.6	2.01	n/a

08/05/59	10.0	-	-
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SEF-20

09/20/93	0.9	1.1-1.16F	Ford River
1993	Did not get high	water measurement.	

08/24/59	2.0	-	-
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SEFHC-01

05/25/93	OFF	Rancher leveling land	
07/12/93	4.6	1.7	n/a
09/14/93	4.8	1.64-1.7?F	n/a

08/03/59	2.6	-	-
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SEFHC-02

05/25/93	4.7	1.2F	n/a
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SEFHC-03

05/25/93	7.2	1.5	94% Sub.
07/13/93	7.5	1.5	n/a
09/15/93	3.9	1.29-1.3F	n/a

09/07/93	~IDWR	2.2	
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08/27/59	4.8	-	-
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1958 or 1959	7.0	-	-
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SEFHC-01

06/01/93	4.3	1.2F	n/a
07/14/93	4.0	1.2-1.3F	n/a
09/15/93	5.3	1.3-1.4F	n/a

07/17/59	3.3	-	-
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SEFHC-02

06/01/93	8.4	0.75	n/a
07/14/93	2.6	0.37	n/a
09/15/93	10.2	0.46	n/a

08/20/59	3.6	-	-
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RECEIVED

NOV 23 1993

Department of Water Resources
Southern Region Office

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