

JP

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: A72-10492

Date Received:

Receipt No:

Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: STATE OF IDAHO
Address: DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707
208-334-3700

2. Date of Priority: NOV 16, 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
09N	18E	3	NE	NE	NW		CUSTER

5. Description of diverting works:
SEE REMARKS

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 TO PROVIDE FOR FISH PASSAGE

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
09N	18E	3	NE	NW		FISH	

11. Place of use in counties: CUSTER

A72-10492

Page 1

Date: 07/13/90

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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 BETWEEN IDFG AND HINDURLINGER & GOSSI - INSTRUMENT
NO. 114749 - RECORDED AT CUSTER CO. COURTHOUSE IN OCT., 1960.
DIVERTING WORKS: CONCRETE STRUCTURE WITH METAL SCREEN WHICH
PREVENTS FISH FROM ENTERING IRRIGATION DITCH. STRUCTURE INCLUDES
A BYPASS PIPE WHICH RETURNS WATER TO THE MAIN STREAM.

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 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

A72-10492

Date Received

Receipt Number

NOTICE 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) November 16, 19593. Source of water supply (a) East Fork of Salmon River
which is tributary to (b) Salmon River4. a. Location of existing point of diversion is: Township 9 N. Range 18 E. Section 3,
1/4 of NE 1/4 of NW 1/4, Govt. Lot, _____ 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-9

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	
9N	18E	3					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:

~~No easement agreement found~~ Easement between IDFG & Shindurlinger & Goos - Instrument No. 114749 - recorded at Custer Co courthouse in October 1960.

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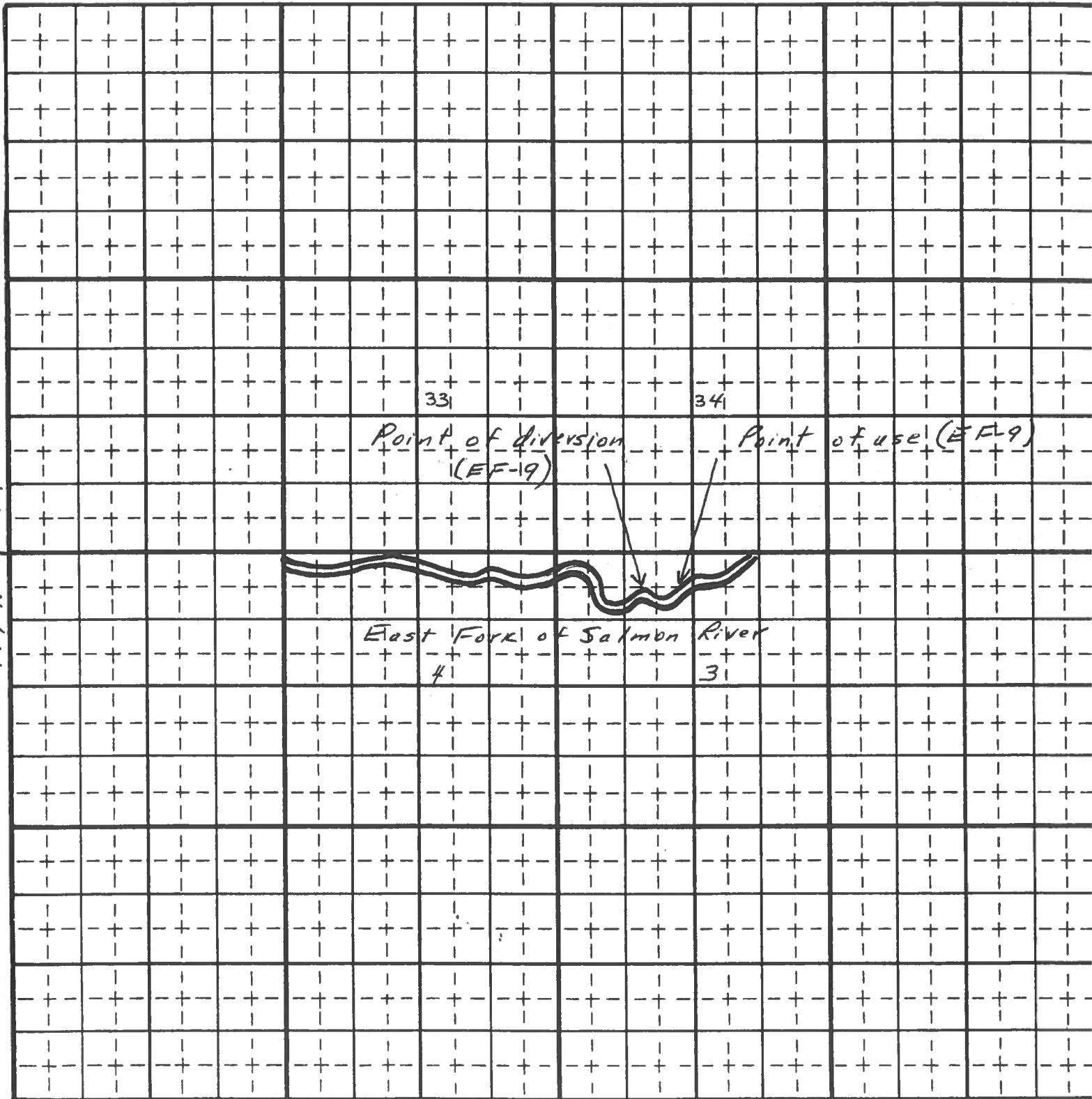
Last Name IDFG Ident No. _____

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

R. 18 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
of IDAHO DEPT. OF FISH & GAME Title _____

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

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

Signature of Authorized Agent Emmett Davis

Title and Organization _____

Assistant Director
IDAHO DEPT. OF FISH & GAME

Date 5-15-90

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

Subscribed and sworn (or affirmed) before me this 15th day of March 19 90

SEAL

Notary Public Dorothy Baker

Residing at Emmett, ID

My Commission Expires 10/31/1991

Please Print Name

17. Notice of Appearance:

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

Signature _____

Address _____

Date _____

Last Name IDF#6 Ident. Number _____

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Copies White-State, Yellow-Claimant



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

A72-10492
STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE

ID 83707

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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MAR 18 1993

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

1992

Records
Office

Water Right No.	Screen No.	Proposed Priority Date	Proof of Priority Documentation
A72-10491	EF-8	1963	IDFG photo file
A72-10492	EF-9	1963	C.R.P. construction records (1963) and IDFG photo file
A72-10493	EF-10	1963	C.R.P. construction records (1963)
A72-10494	EF-26	1964	C.R.P. construction records (1964)
A72-10496	S-30	1965 (rebuilt in 1990)	C.R.P. construction records (1965) and IDFG photo file
A72-10497	EF-GC-29	1964	C.R.P. construction records (1964)
A72-10499	S-36	1965	C.R.P. construction records (1965) and IDFG photo file
A72-10504	S-25	1965 (rebuilt in 1988)	C.R.P. construction records (1965) and IDFG photo file
A72-10505	S-26	1965 (rebuilt in 1989)	C.R.P. construction records (1965) and IDFG photo file
A72-10506	S-27	1965 (rebuilt in 1989)	C.R.P. construction records (1965) and IDFG photo file
A72-10508	S-29	1965 (rebuilt in 1989)	C.R.P. construction records (1965) and IDFG photo file
A72-10511	S-34	1965	C.R.P. construction records (1965) and IDFG photo file
A72-10512	S-35	1965 (rebuilt in 1978)	C.R.P. construction records (1965) and IDFG photo file
A72-10513	EF-HC-2	1963	C.R.P. construction records (1963) and IDFG photo file
A72-10514	EF-HC-1	1963	C.R.P. construction records (1963) and IDFG photo file

IFG PRI. DATA

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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 15 1992

Department of Water Resources
Twin Falls 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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MAR 18 1993



APR 15 1992

Idaho Department of Fish and Game
Emmett Region 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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MAR 18 1993

EVIDENCE OF PRIORITY DATE FOR ADJUDICATION CLAIM NO. **A72-10492**

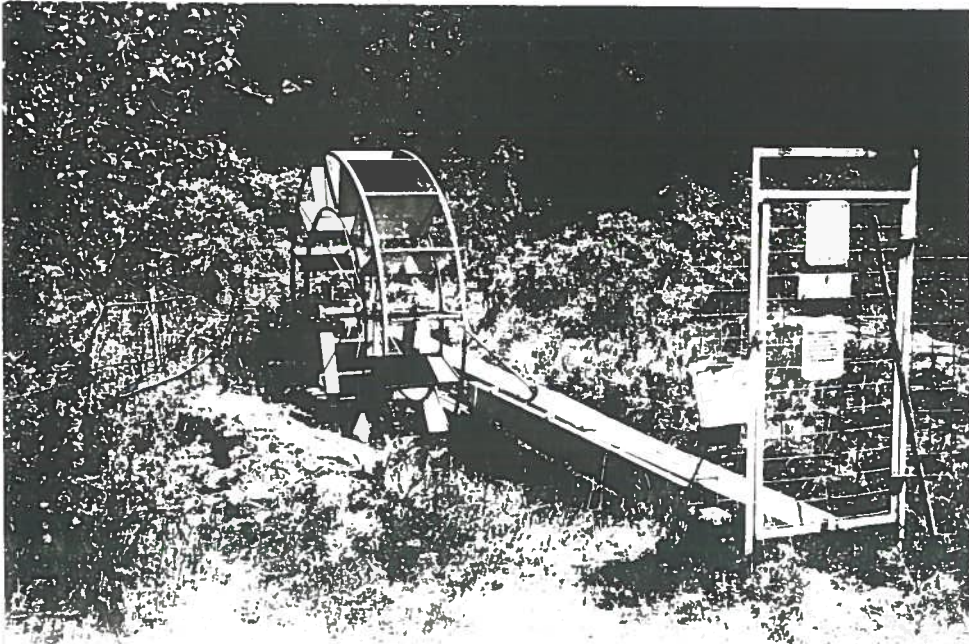
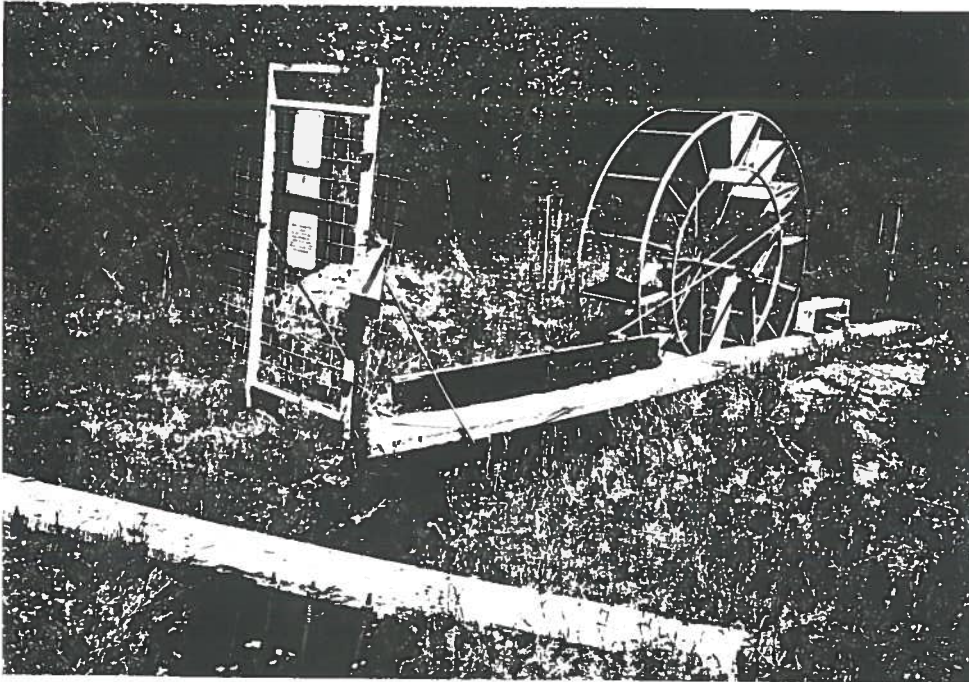
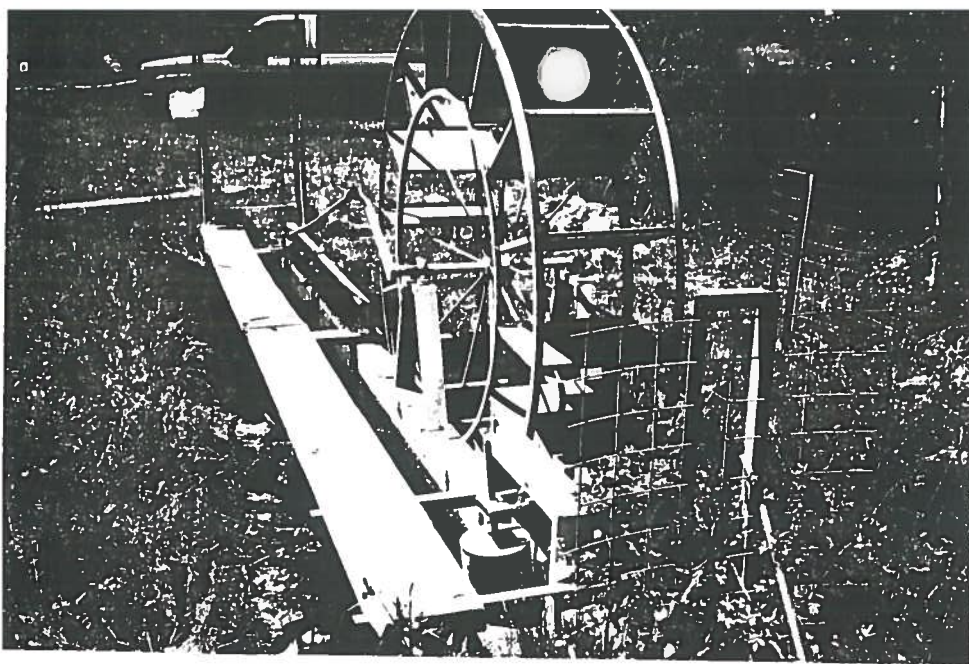
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APR 16 1992

Department of Water Resources
Southern Region Office

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MAR 18 1993



Full 1964

SCREEN # SEF #9

APPROACHMENT DITCH SIZE 1'x2'

USE In yes

TYPE OF SCREEN Wipes Water Wheel

SIZE OF SCREEN 3'x8'

MODIFIED No

STRUCTURE Fair

CATWALKS Fair

HANDRAILS No

BYPASS SIZE 4"

HOW REDUCED

APPROX. LENGTH 70 ft

TRASH RACK Fair

CONDITION OF ROAD

CONDITION OF GATES

ADDITIONAL COMMENTS

SCHEDULED REPLACEMENT

1995-2000

A72-10492

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C.R.P.

LEMHI-CUSTER COUNTY
STRUCTURES CONSTRUCTED

DURING YEAR

1964

A72-10492

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MAR 18 1993

S-15	S.E.F.-24
S-10-D	S.E.F.-23
S-10-C	S.E.F.-28
S-E.F. 30	S.E.F.-12
S-E.F. 27	S.E.F.-9
S-E.F. 29	A72-10492
S-E.F.-26	
S.E.F.-25	
S.E.F.-13	
R.R.-1	
R.R.-2	
R.R.-3	
L5-1	

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CE = Crank Type Elec

CW = " " w/wheel

CGW Chain gear w/wheel

CGE " " Elec.

A72-10492

IRP-1964

557-9

LN³ 5x8 L.H.

Top Well 95.88

Top Footer 91.84

Bot Footer 91.17

~~By Mrs. L. J. J.~~
9" x 34"

~~Access Road~~
1 wooden boardwalk 4" x 8"

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MAR 18 1993

Jones, Doug

From: Denniston, Sara
Sent: Wednesday, December 15, 1999 12:06 PM
To: Jones, Doug
Subject: Basin 72 Fish & Game rights

Doug,

I just got some SF5s from Pete Ampe on BLM objections to Fish and Game rights. I'm not sure who the agent is so I'll send you the info and maybe you can forward it to the appropriate agent. I just need to know if the agent agrees with the settlements, which are:

72-10496--the parties are agreeing that the right should be disallowed

72-10504--the parties are agreeing that the right should be disallowed

72-10531--adding to the place of use the remark that "Use of this right is limited to the NESESWSE, SESESWSE, and SWSESWSE within the above described place of use"

X 72-10492--specifying that the POD and POU are within lot 3

OK. Chg made by Carter Fertle, S.O. 1-6-2000

Hancock, Vikie

From: Denniston, Sara
Sent: Monday, December 20, 1999 11:07 AM
To: Hancock, Vikie
Subject: RE: 72-10531, 72-10492

OK, I'll fax them to you today.

> -----Original Message-----

> **From:** Hancock, Vikie
> **Sent:** Monday, December 20, 1999 11:03 AM
> **To:** Denniston, Sara
> **Subject:** 72-10531, 72-10492
>
> Sara,
>
> Doug fwd'd to me your email regarding the above SF5's on BLM
> objections to IDFG fish screen claims on the East Fork Salmon.
>
> 72-10492 OK with me to specify that POD and POU or located
> within Lot 3.
>
> 72-10531 OK with me to include a remark that "Use of this
> right is limited to the NESESWSE, SESESWSE, & SWSESWSE within
> the above described place of use." Doug and Don Shaff concur
> on this one, also.
>
> If you want, send me a copy of the SF5s and I'll create the R
> records, update them and let you know when they're ready.
>
> Vikie
>

Jones, Doug

From: Denniston, Sara
Sent: Wednesday, December 15, 1999 12:06 PM
To: Jones, Doug
Subject: Basin 72 Fish & Game rights

Doug,

I just got some SF5s from Pete Ampe on BLM objections to Fish and Game rights. I'm not sure who the agent is so I'll send you the info and maybe you can forward it to the appropriate agent. I just need to know if the agent agrees with the settlements, which are:

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72-10492--specifying that the POD and POU are within lot 3

VH

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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 72-10492

(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: See attached

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 and nine (POD & POU) inaccurate.

F.

VERIFICATION (Must be Completed)

State of Idaho)

) ss.

County of Ada)

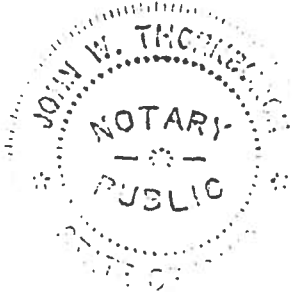
Gary A. Madenford, Water Rights Team Leader, duly sworn, upon oath, deposes and says:
(Name of person filing objection)

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)

Carrie 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:

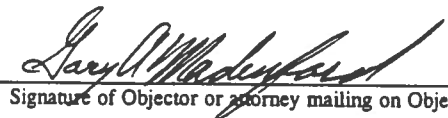
Name: State of Idaho
Address: PO Box 25 Boise, ID 83702
Name: Department of Fish & Game
Address:
Name:
Address:
Name:
Address:

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-894

RIGHTS FROM: SOURCE: SALMON RIVER, EAST FORK TRIBUTARY: SALMON RIVER

RIGHT NUMBER: 72-10492

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

SOURCE: SALMON RIVER, EAST FORK TRIBUTARY: SALMON RIVER
QUANTITY: 0.8 CFS
PRIORITY DATE: 04/01/1964
POINT OF DIVERSION: T09N R18E S03 LOT3 (SENEW) Within CUSTER County
PURPOSE AND PERIOD OF USE: PURPOSE OF USE PERIOD OF USE QUANTITY
FISH PROPAGATION 04-01 10-31 0.8 CFS
USE IS FOR A BYPASS PIPE AT FISH SCREEN.
PLACE OF USE: FISH PROPAGATION Within CUSTER County
T09N R18E S03 LOT3 (NEW)
EXPLANATORY MATERIAL: BASIS OF CLAIM - BENEFICIAL USE

DATE: 11/22/98
PAGE: 3

DIVERSION RATE DIVERSION VOLUME

0-60 CFS

TOTAL DIVERSION: 0.60 CFS

Stage: BENEFICIAL USE

Tributary to: SALMON RIVER

CUSTER County

SENESE

T09N R18E S03

Point(s) of Diversion:

Place of use Legal Description for: FISH PROPAGATION

NW
NE[illegible]

POU County: CUSTER

Non-Irrigation Uses: FISH/BYPASS PIPE AT FISH SCREEN TO PROVIDE FOR FISH PASSAGE

Other Rights: NONE

Remarks: GEN~~THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 72-00193, 72-00194.~~

Dates:	Exam Made Date:	07/16/1993	Verified Date:	Objection Filed Date:
--------	-----------------	------------	----------------	-----------------------

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

Comments:	Date: 12/10/1993	User-ID: HITCHCOC	Subject: COPIED FROM REMARKS EASEMENT BETWEEN IDFG AND HINDURLINGER & GOSSI - INSTRUMENT NO. 114749 - RECORDED AT CUSTER CO. COURTHOUSE IN OCT., 1960. DIVERTING WORKS: CONCRETE STRUCTURE WITH METAL SCREEN WHICH PREVENTS FISH FROM ENTERING IRRIGATION DITCH. STRUCTURE INCLUDES A BYPASS PIPE WHICH RETURNS WATER TO THE MAIN STREAM.
-----------	------------------	-------------------	---

Audit:	11/14/92 CLELAND	12/10/93 HITCHCOC	01/05/94 HITCHCOC	03/09/95 FHITCHCO
	03/15/95 FHITCHCO			

R PROOF

CVR

MAPS

PHOTOS

MISC

—

—

—

—

—

Water Right Number - R72-10492

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 -

State- ID Zip- 83702

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

1 -
2 -
3 -
City- BOISE
Phone - 208-334-3700

State- ID Zip- 83702

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
04/15/1964 17 SOUTHERN J - BENEFICIAL USE

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

+ - - - - Twn Rng Sec Tract Lot Rflg County Point of Diversion - - - - - +
09N 18E 3 SE NE NW (37) CUSTER

+ - - - - Code Description Period from Period to Water Use - - - - - Diversion Rate Diversion Volume - - - - - +
19 - FISH PROPAGATION 04/15 10/15 0.600
+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
0.600 0.0

+ - - - - Twn Rng Sec Tract Lot Acres Code Description County - - - - - +
09N 18E 3 NE NW 19 FISH PROPAGATION (37) CUSTER
Total Acres:

+ - - Diversion Means - SEE REMARKS

+ - - Non-Irrigation Use - FISH/BYPASS PIPE AT FISH SCREEN TO PROVIDE FOR FISH PASSAGE

+ - - Other Rights for Same Use - NONE

+ - - - - - Remarks - - - - - +
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 72-00193, 72-00194.

Water right number - R72-10492

Prefix Translation: RESEARCH

+ - - - - 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: 12/10/1993 User Id: HITCHCO Subject: COPIED FROM REMARKS NO. 114749 - RECORDED AT CUSTER CO. COURTHOUSE IN OCT., 1960.
EASEMENT BETWEEN IDFG AND HINDURLINGER & GOSSI - INSTRUMENT PREVENTS FISH FROM ENTERING IRRIGATION DITCH. STRUCTURE INCLUDES
DIVERTING WORKS: CONCRETE STRUCTURE WITH METAL SCREEN WHICH
A BYPASS PIPE WHICH RETURNS WATER TO THE MAIN STREAM.

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

+ - - - - Adjudication Rights Dates and Flags Area - - - - - +
Court Report Filing - 00/00/0000 Field Inspection Made - 07/16/1993 Civil Case Number - 39576
Objection Filed Date - 00/00/0000 Field Inspection Flag - 00/00/0000 Old Case Number -
Response Filed Date - 00/00/0000 Verified Date - 00/00/0000 Old Judicial District -
Claim Received Date - 09/28/1990 Last Amended Date - 00/00/0000 Temporary Right - P
Receipt Number - C018457 Water District -
POU Ownership Flag - N Federal/State Indicator - S
Name Connector - AND/OR Presumption Flag -
Notice of Error Flag -

STATE OF TEXAS DEPARTMENT OF HEALTH DIVISION OF PUBLIC HEALTH

LOWELL H. HARRIS, JR.

FILECT=

STATE= TN ZIP= 03707

Gold 7

COMPANY DESIGN:

NAME OF FIELD UNIT:

APPROVED BY:

DATE OF RECEIPT TO PLANT:

REMARKS TO BUREAU / REMARKS:

APPROPRIATE MARK: V

✓

DATE: 9

TIME:

15:00

PLANT

PLANT NUMBER:

✓

✓

go with an EF county road, site is @ end of small gravel pit for gravel
diversion structure to ditch is about 250' from site.

AT PLATM: 4 477-1000 DELETED DATE: 11-16-1964 CTAPD: 1

DELETED: NO WATER TIGER RECORD TO MATCH DATE AT PLATM

DELETED: 04-15-1964

DATE TO DELETED DATE: 04-15-1964

DATE: 04-15-1964
 EVALUATED: Y

DELETED: 04-15-1964 DELETED DATE: 04-15-1964

DELETED:

with evidence submitted w/ claim doesn't support priority. Claim -
 subsequent lawsuit for evidence submitted in mutual listing 1963
 but the exhibits are dated 1964... Reasoned priority date be
 based on the year of construction and I have reason of use date
 for the claim.

Updated priority date to match earliest claim of use 03-15-1965 by H.

DELETED DATE: 04-15-1964

DELETED BY: H

DATE: 12-10-1993

1. AT PLANT DATA OF THE RESEARCH DEPARTMENT

DATE	TIME	PLACE	1/1	1/2	1/3	TIME	REMARKS
1974-10-24	10:00	100	100	100	100	100	100

RESEARCH AT PLANT DATA OF THE RESEARCH DEPARTMENT
A. RESEARCH DEPARTMENT
RESEARCH DEPARTMENT

77-00100
77-00100

RESEARCH DEPARTMENT OF RESEARCH DEPARTMENT

RESEARCH DEPARTMENT

RESEARCH DEPARTMENT OF RESEARCH DEPARTMENT

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RESEARCH DEPARTMENT OF RESEARCH DEPARTMENT

RESEARCH DEPARTMENT

RESEARCH DEPARTMENT

*Recommend POD as SENENH, Reveal materials included: USGS
OPD 1974 V-24; IF+G TPO-0545 Q14D; IF+G SCREEN LOCATIONS; BLM
AERIAL-LN78-RV12-8104-Plate 21; and*

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF BUREAU OF LANDS AND FORESTS
1/1 1/1 1/1

PROPERTY

9N 18E 3

SE NE NW

WATER

SALMON RIVER, EAST FORK

TRIP

SALMON RIVER

7

12-10-93

1. DATE OF INTERVIEW: 12-10-1963

2. NAME OF INTERVIEWEE: [redacted]

3. AT WHAT PLACE AND ON WHAT DATE: [redacted]

4. ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

5. DATE OF REVIEW: 12-10-1963

6. BY WHOM REVIEWED: [redacted]

7. REVIEWED BY: [redacted]

8. NAME OF AGENT: [redacted]

9. TITLE OF AGENT: [redacted]

10. SPECIAL AGENT IN CHARGE: [redacted]

11. DATE OF INTERVIEW: 12-10-1963

12. AT WHAT PLACE AND ON WHAT DATE: [redacted]

13. ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

14. DATE OF REVIEW: 12-10-1963

15. BY WHOM REVIEWED: [redacted]

16. REVIEWED BY: [redacted]

17. NAME OF AGENT: [redacted]

18. TITLE OF AGENT: [redacted]

19. SPECIAL AGENT IN CHARGE: [redacted]

1

1.1. ΠΡΟΒΟΛΗ ΣΥΣΤΗΜΑΤΟΣ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ
(ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ)

ΣΥΣΤΗΜΑ

N/A

1.2. ΠΡΑΚΤΙΚΗ ΜΕΤΕΩΡΟΛΟΓΙΑΣ

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ - ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ - ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ

1.3. ΠΡΟΒΟΛΗ ΣΥΣΤΗΜΑΤΟΣ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΣΥΣΤΗΜΑ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΣΥΣΤΗΜΑ

1.4. ΠΡΟΒΟΛΗ ΣΥΣΤΗΜΑΤΟΣ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΣΥΣΤΗΜΑ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΣΥΣΤΗΜΑ

1.5. ΠΡΟΒΟΛΗ ΣΥΣΤΗΜΑΤΟΣ

ΥΠΟΛΟΓΙΣΜΟΣ ΣΥΣΤΗΜΑΤΟΣ

ΣΥΣΤΗΜΑ

ΠΡΑΚΤΙΚΗ ΜΕΤΕΩΡΟΛΟΓΙΑΣ - ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ - ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ

Ανάλυση μετρίων μετρίων N/A. Ημερίδα μετρίων, μετρίων
μετρίων μετρίων.

RECOMMENDATIONS:

DATE
 PREPARED

DATE
 DEPT

DATE
 DEPT

DATE
 DEPT

DATE
 DEPT

FISH PREPARATION

05-01 9-30
 4-15 10-15

.60

N/A

N/A

PREPARED BY: [blank]

DATE: 7/

DATE: 12-10-1993

Recommnd muskell CES; contacted re: smoking shrimp (S).
 12-01-1993.

DATE: 12-10-93
PAGE: 01

ACCOUNT NUMBER: 070-10000

CHECK ONLY THE FOLLOWING THAT APPLY:

OVERDRAFT
DEBIT/DEBIT
ADDITIONAL \$1.00 AMOUNT

APPROVED
AS FOLLOWS
()
()
()
()

Manual

CREDIT LIMIT DEDUCT DEDUCT

DEBIT LIMIT DEDUCT NUMBER: 070-10000

DATE

EVALUATED

PRO

TOTAL DEDUCTING DATE OF DEBIT

N/A

DEBIT

DEBIT DEDUCT
NUMBER

DEBIT DEDUCT
DATE

DEBIT DEDUCT
NUMBER

DATE

DEBIT DEDUCT
NUMBER

DEBIT DEDUCT
DATE

070-10000

0.000

TOTAL PRO

0.000

DEBIT DEDUCT

DATE

DEBIT DEDUCT
NUMBER

TO THE CREDIT OF THE DATE OF THE DEBIT TOTAL THE TOTAL DEDUCTING DATE (Y/N)

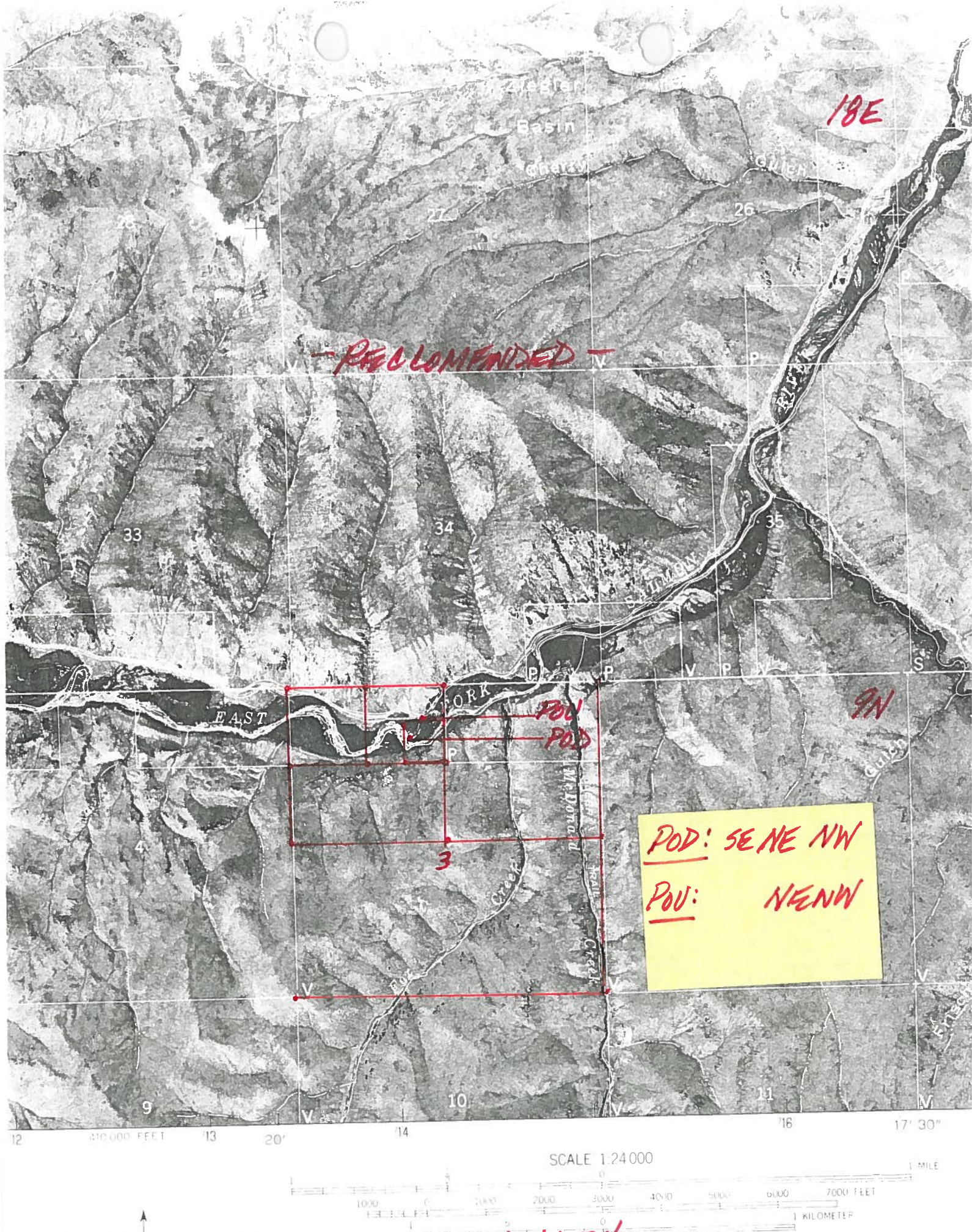
DEBIT

F.A. Williams

12-10-93

NAME OF DEBIT EVALUATED

DATE



A72-10492 USGS OPQ 1974 V-24

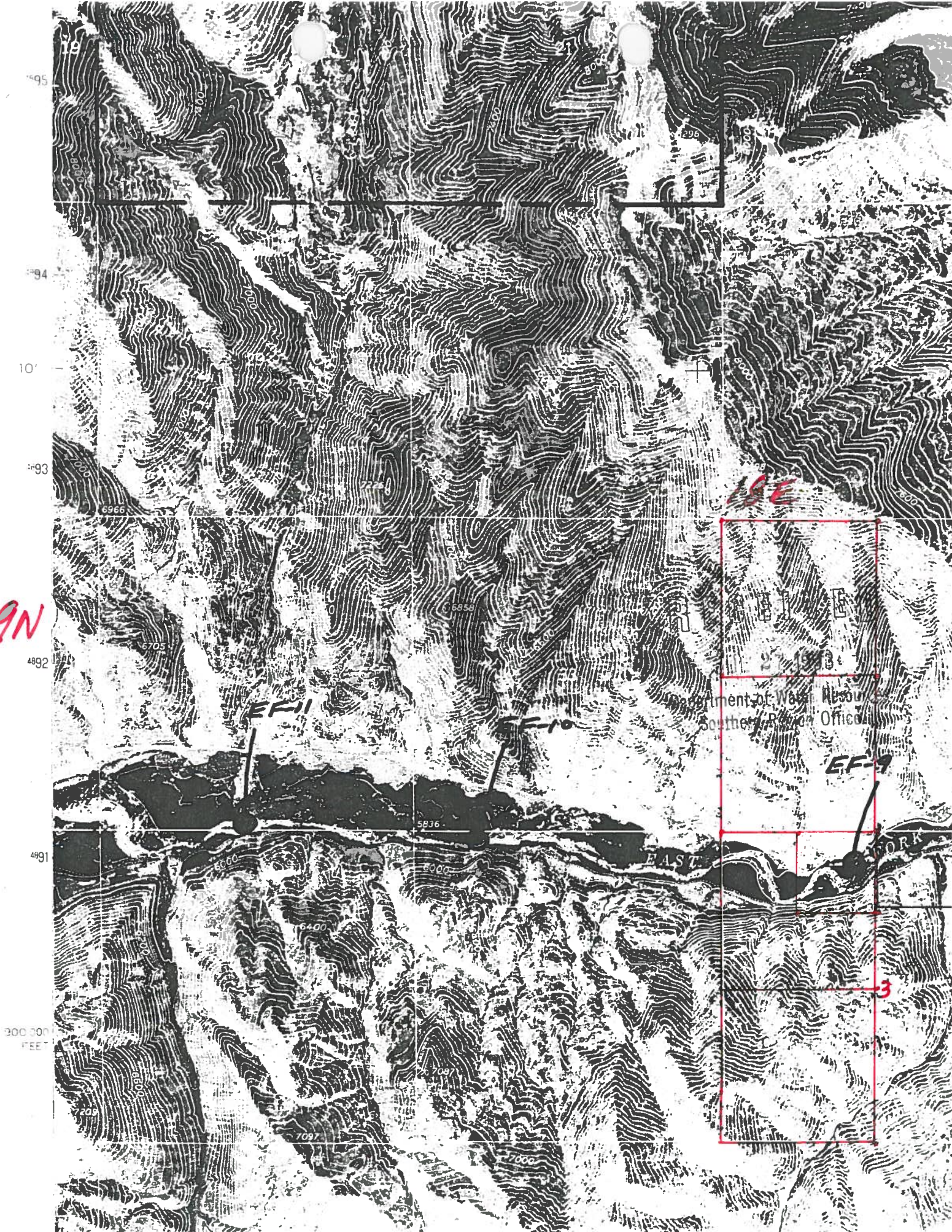
EF-9

9N

15E

A72-10492 IFAG-TOPO USGS QUAD

EF-9



SEA SW4-34

SW4 SEA-34

SEA SEA-34

T-10N, R-18EBM

RECEIVED

JUL 27 1993

Department of Water Resources
Southern Region Office

T-10N
T-9N

To Angle
R-18/137

44.5' Between Angle
Salmon River Electric Co. Coa
Power Line
Idaho 25 Cluster

NE4 NW4-3

Lot 3
39.39 wing dam

Note: Impractical to build
Sire above spillway due
to high water danger

T-9N, R-18EBM

SEA NW4-3

SW4 NE4-3

SEA NE4-3

East Fork Road

Screen Site
EF-10

Site is .25 mile
S of East Fork
Road

To E 44.25
To E 44.25
To E 44.25

Spillway
Control
3 x 12 beam

Spillway Channel
To River

NE4 NE4-3

Lot 1
40.18

NE4 NE4-3

Lot 2
39.11

SALMON
RIVER

FOUR CORNERS

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES
FISHERIES DIVISION
— SCREEN LOCATION MAP, EF-10

APPROVED
APPROVED
DRAFT
TWO
CHECKED

McGIBSON
McGIBSON

PROJECT

SCALE 1" = 200'
DATE Sept 1993
BY J. G. GIBSON

AF-10492

IF+G SCREEN LOCATIONS 09-1959

EF-4

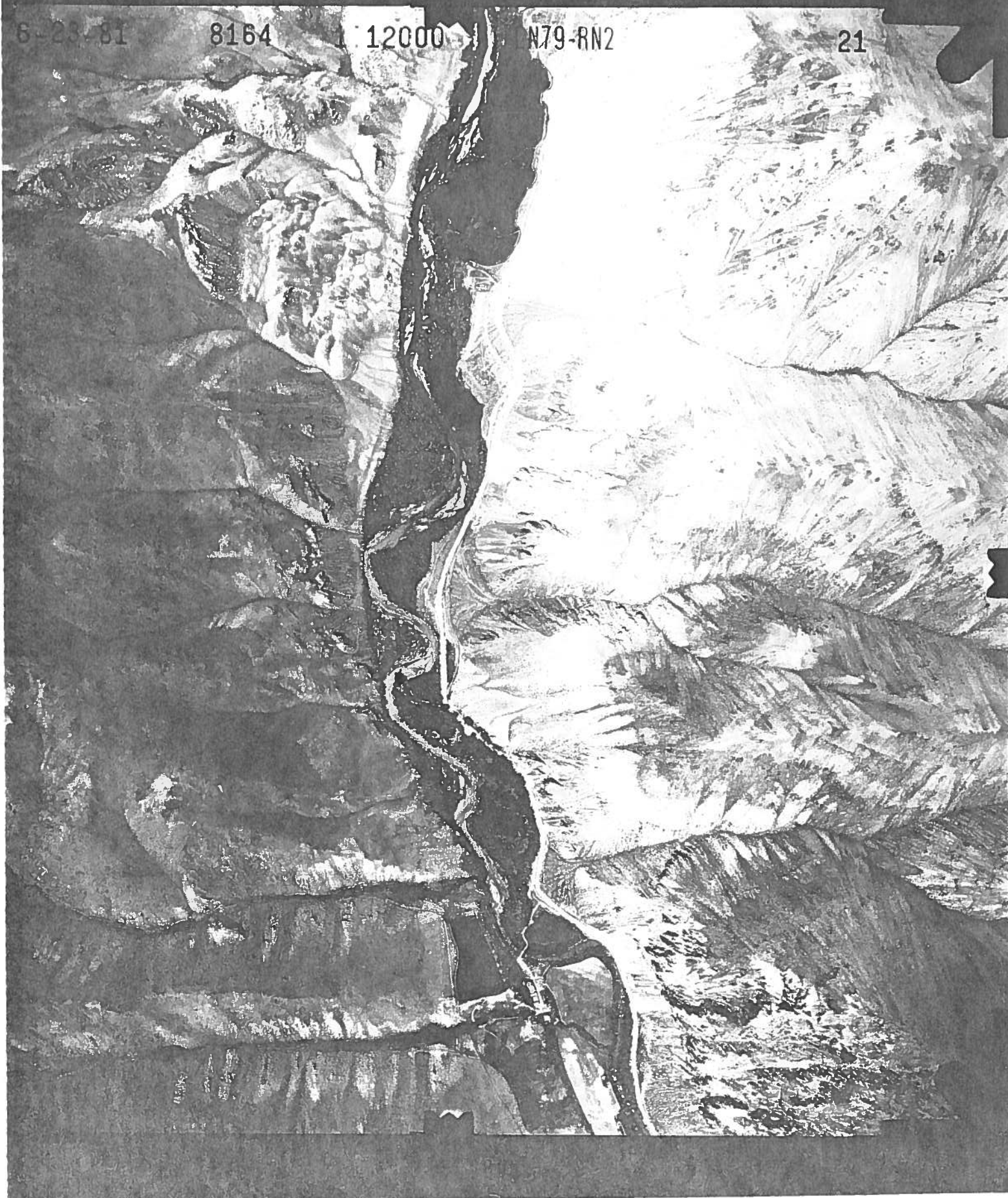
6-23-81

8164

12000

N79-RN2

21



DEPOSITORY: BUM REGIONAL-SALMON 06-23-1981

A72-10492 BUM AERIAL-LN78-RN1-8164-plate 21

EF-9



SEE REVERSE
FOR TEXT



Rx #1

EF9

9¹⁰

looking NO-EF9 towards
Fox CR.

07-11-92 Roll 10
Pix #11

71

Roll 11

Pix #31A

EF-9

0907-93

discharge pipe 1/3-1/2 full

SEE REVERSE
FOR TEXT

555

Roll 40

71



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).

A72-10492

EF-9



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

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

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

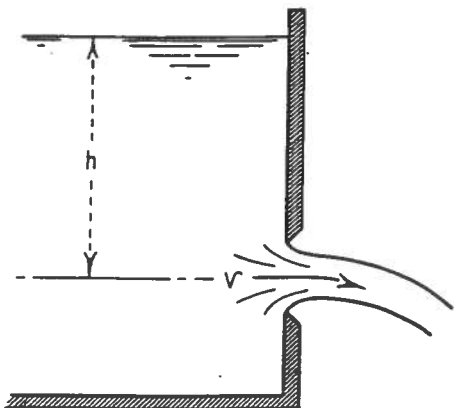


Figure 107.—Orifice flow. 103-D-986.

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

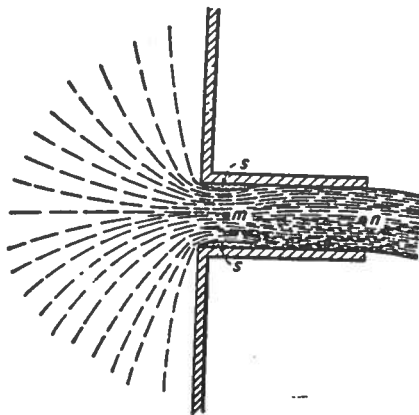


Fig. 43. Standard short tube.

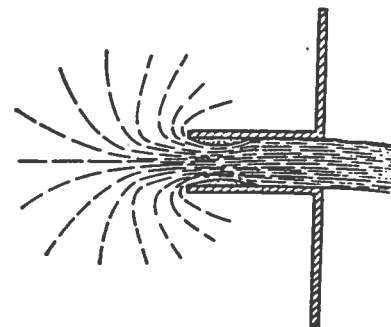


Fig. 44. Reentrant tube.

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, I
1959 pgs. 4-37-4-38

072-10447

EF-9

Dept. of Fish and Game - Fish Screens

Basin 71			
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	

A22-11492

EF-9

EF-9

9-7-93

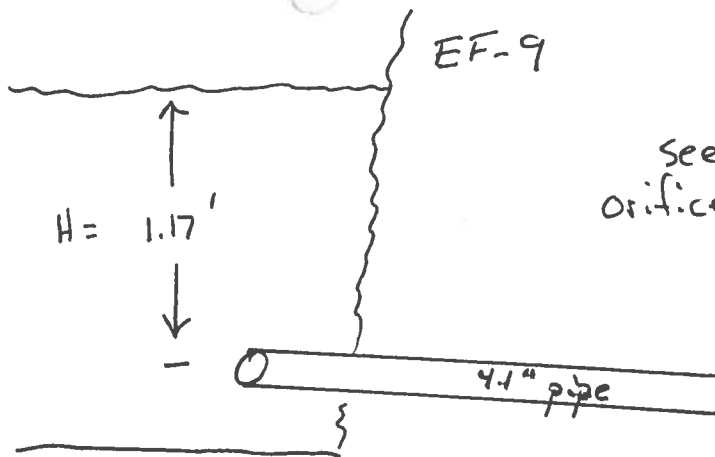
4" plastic inlet
re-entrant tube entrance

4" outlet

70% ~~full~~ full & 100% open discharge
into excess bypass ditch that relays
to E.F. of Solomon P.

H = 1.0' from top of pipe to water surface

near historical water mark on fish screen



see attached sheet for
orifice definitions & relationships

$$\begin{aligned}
 Q &= CA\sqrt{2gH} \\
 &= 0.75 \left(\pi \frac{(4.1)^2}{4} \right) \sqrt{2(32.2)(1.17')} \\
 &= \underline{0.60 \text{ cfs}}
 \end{aligned}$$

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 measure-
ment vs. ditch flows if possible.

ROUTING
INSTRUCTIONS: _____

CALENDAR
DATES: _____

A72-10492

EF-4

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	-	-
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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	-	-
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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	-	-
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