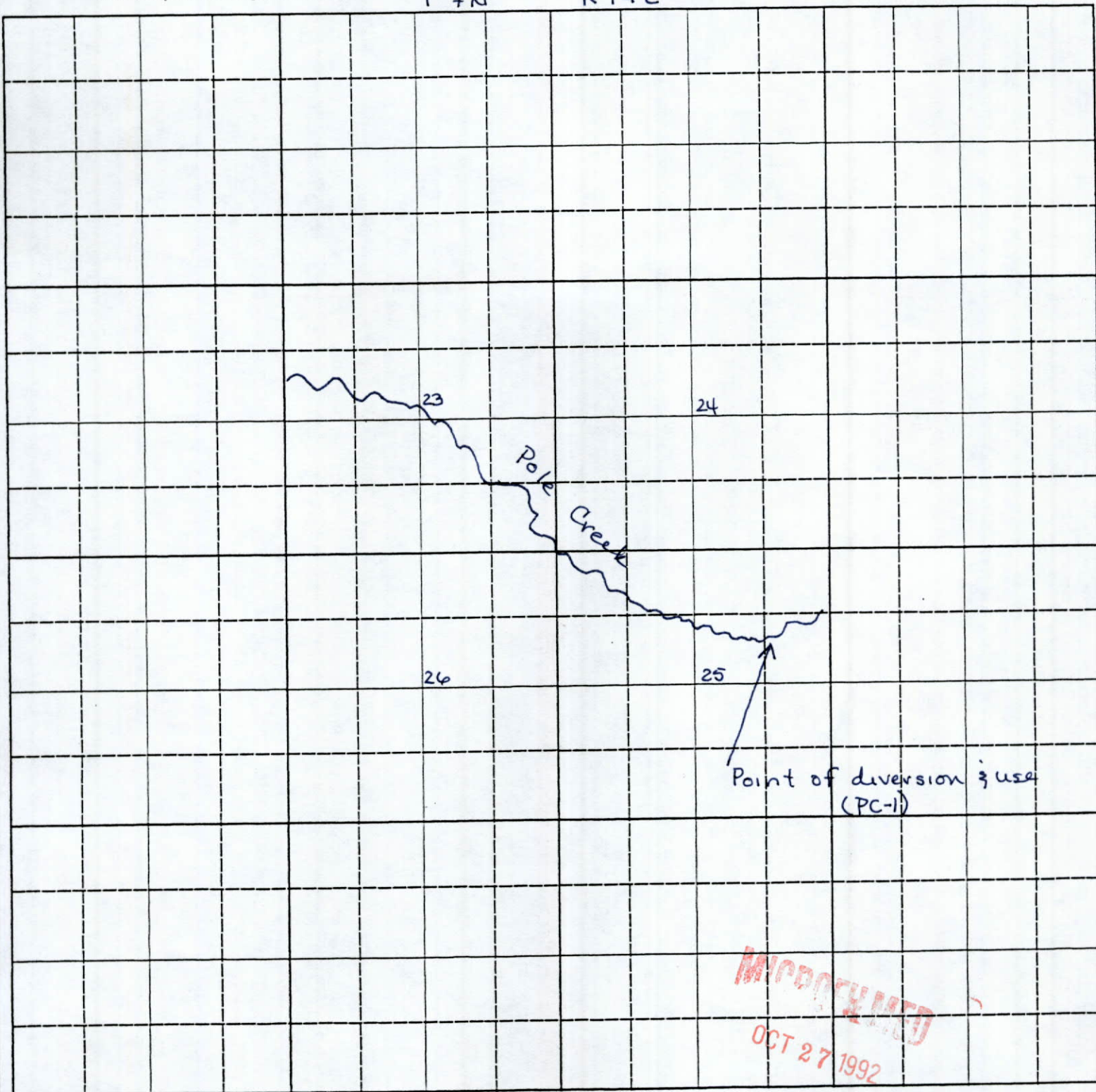


71-7160

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

T 7 N

R 14 E



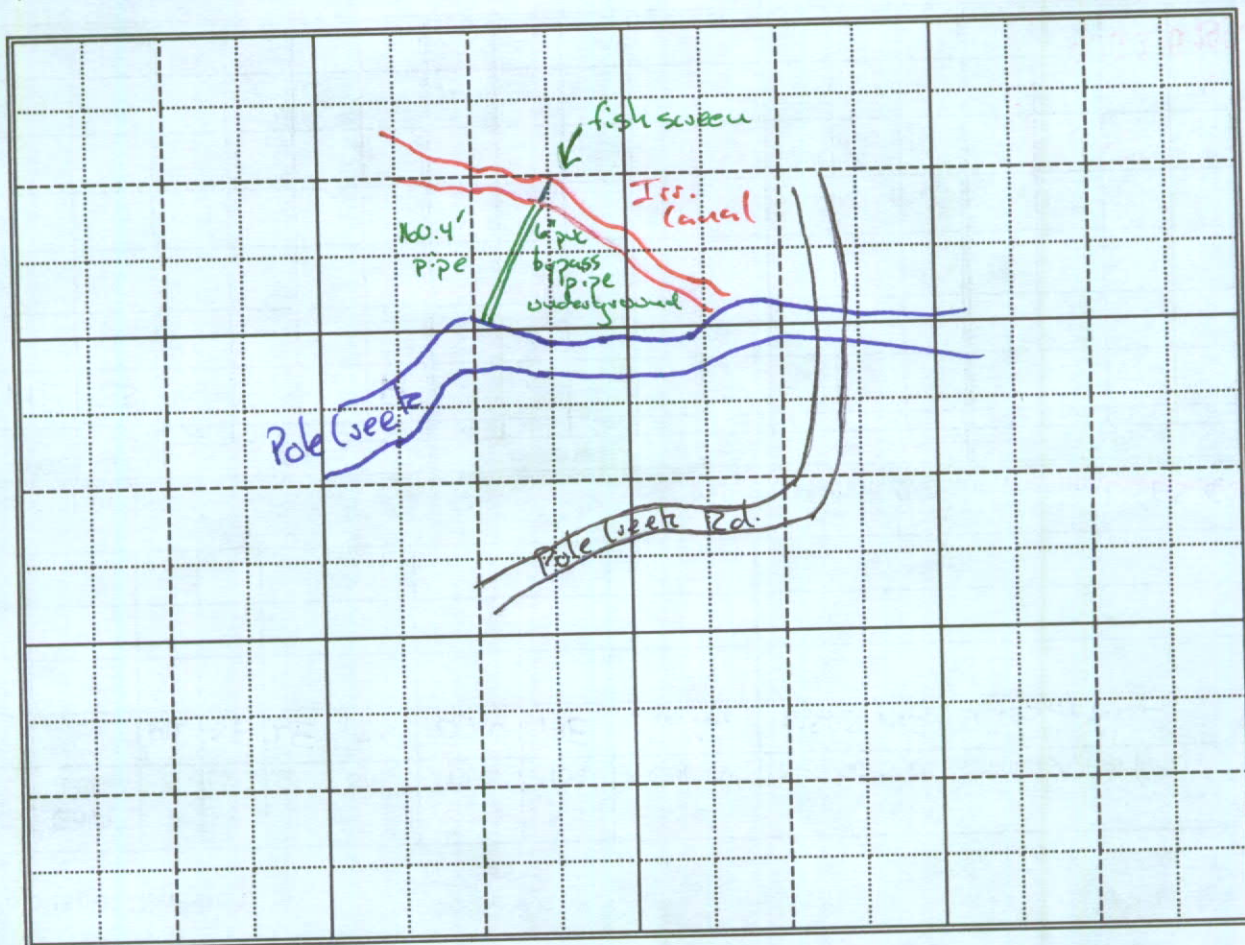
RECORDED
OCT 27 1992

Scale: 2 inches equal 1 mile.

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

Cynthia Robertson IDEG
(Applicant)

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale = Not to Scale

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☐ Aerial Photo Attached (required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Automatic Level Tripod, Rod	CSE	Soteksha/Hietz	153274	10347		

2. Measurements: Water Surface at fish screen = 3.39'
at outlet = 6.79'
H = 3.4'

AUG 15 1994

P71-7160 These photos were taken on August 3rd, 1993.

P/O



fish screen down
is powered by
water driven waterwheel

re-entrant
tube entrance
is located there

P/D for irr.
canal
& bypass pipe
is located
app. 50 yds
upstream from
fish screen



outlet pipe
during the photo the bypass
pipe was plugged, after it was
unplugged, the pipe became
submerged

August 1993

AUG 15 1994

AFFIDAVIT of PUBLICATION

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AUG 31 1992

Department of Water Resources
Southern Region Office

State of Idaho, } ss.
County of Blaine

On this 12th day of Aug, in the year 1992, before me a Notary Public of said State, personally appeared DANIEL J. GORHAM, known or identified to me to be the person whose name is subscribed to be the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same. As the publisher of the Wood River Journal, he/she attests that said newspaper has been continuously and and uninterruptedly published for a period of seventy-eight consecutive weeks prior to the first publication of the annexed notice, and is a newspaper qualified to publish legal notices as provided by act of the 1919 session of the legislature of the State of Idaho, known as House Bill 145; that the annexed advertisement was published once each week for 2 consecutive issues in said newspaper proper and not in a supplement; that the date of the first publication of said advertisement was on the 5 day of Aug, 1992, and the date of the last publication was on the 12 day of Aug, 1992.

David J. Gorham

Subscribed and sworn to before me this 12th day of Aug, 1992.
(SEAL)

Roberta McFarlane

NOTARY PUBLIC

WOOD RIVER JOURNAL
Hailey, Idaho

COST OF PUBLICATION

Number of Picas per Line _____
Number of Lines in Notice 45
Number of Insertions _____
Lines tabular at _____ 6¢ / Pica
Lines straight at 22.50 5¢ / Pica
Subsequent lines at 20.25 4¢ / Pica
TOTAL COST 47.75 5.00

COPY OF NOTICE
(Paste Here)

Application for Water
TITLE OF NOTICE right

PLAINTIFF ATTORNEY

DEFENDANT

PLAINTIFF

Idaho Dept of Water Resources
BILL TO Twin Falls

Application for water right

NOTICE OF APPLICATION

FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

71-07160

STATE OF IDAHO
DEPT OF FISH & GAME

Continued from prev. pg.

PO BOX 25
BOISE, ID 83707
Source: POLE CREEK
Tributary: SALMON RIVER
Diversion Pt: NWSENE Sec 25 T
07N R 14E in BLAINE County.
Use: FISH PROPAGATION (.800 CFS); Total Diversion (.800 CFS)
Date Filed: 6/9/1992

In: BLAINE County
T07N R14E S25 SENE
The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Southern Region, 222 Shoshone Street East, Twin Falls, ID 83301, on or before AUGUST 24, 1992.

R. Keith Higginson, Director
Publish: Wood River Journal-
August 5 & 12, 1992.

Publication Rates As of Jan., 1990

(Idaho Code,
Reb. Statutes 1984)
7-8 pt./line straight: 5 / pica
7-8 pt./line tabular: 6 / pica
7-8 pt./line successive
insertion: 4 / pica

MICROFILMED
OCT 27 1992

8329

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 71-07160

Priority: June 9, 1992

Maximum Diversion Rate:

0.80 CFS

This is to certify, that STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated June 9, 1992; and
has submitted Proof of Beneficial Use on January 13, 1993. An examination indicates
that the works have a diversion capacity of 1.090 cfs of water from:

POLE CREEK tributary to SALMON RIVER

source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
FISH PROPAGATION	05/01 to 09/30	0.80 CFS	

LOCATION OF POINT(S) OF DIVERSION:

NWSENE , Sec. 25, Township 07N, Range 14E
BLAINE County

PLACE OF USE: FISH PROPAGATION

TWN RGE SEC

07N 14E 25 SENE

CONDITIONS/REMARKS:

1. This water right is appurtenant to the described place of use.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. Use of water under this right shall be non-consumptive.
5. The issuance of this right in no way grants any right-of-way or easement across the land of another.
6. Fish propagation use is for fish protection through the installation of a deflecting screen at a diversion canal entrance and a bypass pipe to flush the fish back to Pole Creek.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 19th
day of JULY, 1994.

Acting for  R. Keith Higginson, Director

AUG 15 1994

11/91
RECEIVED

JAN 13 1993

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

OFFICE USE ONLY

Amt of Fee \$ 100.00

Date 1-14-93

Receipt No. 0026514

Receipt by [Signature]

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 71-07160 Telephone No. (208) 334-3700
2. Name(s) of Permit Holder(s): Idaho Department of Fish and Game
3. Mailing Address: 600 S. Walnut, Boise, Idaho 83707
4. Source of Water: Pole Creek, tributary of Salmon River

If GROUNDWATER, Well Driller's Name: _____ Date Drilled: _____

OPTIONAL:

Pump horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft.): _____

5. Extent of Use (as authorized by the permit):

Domestic _____ (No. of households) Stockwater _____ (No. and type of stock)

Irrigation _____ (No. of acres) Other Fish Propagation

6. Total rate and/or volume for which proof is submitted 0.80 cfs OR _____ acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? _____ Yes X No Installed? _____ Yes _____ No

OR

Flow Measurement Port: Required? _____ Yes X No Installed? _____ Yes _____ No

8. Fee Enclosed: \$ 100.00 (See License Fee Schedule on back of Instruction Sheet)

9. Person to contact to accompany the Department representative during field examination of the water system

Jim Blake (208) 756-2271
Name Telephone No.

P.O. Box 1336, Highway 93 N, Salmon, Idaho 83467
Address

10. The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

FEB 05 1993

Date

12-10-92 Jim Blake Coast Supervisor D.D.F. & G.
Signature (and title, if on behalf of a company or organization)

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 71-07160

Proposed Priority: June 9, 1992 Maximum Diversion Rate: 0.80 CFS

This is to certify, that **STATE OF IDAHO**
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

has applied for a permit to appropriate water from:

POLE CREEK tributary of **SALMON RIVER**

and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
FISH PROPAGATION	03/15 to 11/15	0.80 CFS

LOCATION OF POINT(S) OF DIVERSION: NWSENE, Sec. 25, Township 07N, Range 14E
BLAINE County

PLACE OF USE: FISH PROPAGATION
TWN RGE SEC

07N 14E 25 SENE

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **November 1, 1993**.
2. Subject to all prior water rights.
3. Use of water under this right shall be non-consumptive.
4. The issuance of this right in no way grants any right-of-way or easement across the land of another.
5. Fish propagation use is for fish protection through the installation of a deflecting screen at a diversion canal entrance and a bypass pipe to flush the fish back to Pole Creek.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

29th day of September, 1992

[Signature]
for R. Keith Higginson, Director

RECORDED
OCT 27 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 71-7160

RECEIVED

To appropriate the public waters of the State of Idaho

JUN 15 1992

Department of Water Resources
Southern Region Office

1. Name of applicant Idaho Department of Fish and Game Phone 334-3400

Post office address 600 S. Walnut, P.O. Box 25 Boise ID 83707

2. Source of water supply Pole Creek which is a tributary of Salmon River

3. Location of point of diversion is NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Govt. Lot

Sec. 2S Township 7N Range 14E B.M. Blaine County; additional

points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 0.8 for fish propagation purposes from 3/15 to 11/15 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 0.8 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Concrete structure in ditch with
screen and bypass pipe

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

d. Is ground water with a temperature of greater than 90°F being sought? No

7. Time required for the completion of the works and application of the water to proposed beneficial use is
Screen was built in 1983 and has been in use since that time
1 years (minimum 1 year).

OCT 27 1992

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. _____
- Stockwatering; list number and kind of livestock. _____
- Municipal; show name of municipality. _____
- Domestic; show number of households. _____
- Other; describe fully. Fish - screen prevents fish from entering irrigation ditch and bypass pipe returns fish and water to stream

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
7N	14E	2S				H													

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. none

11. a. Who owns the property at the point of diversion? U.S. Forest Service

b. Who owns the land to be irrigated or place of use? U.S. Forest Service

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. Screen^{SPC-1} is on Sawtooth National Recreation Area
No Special Use permit issued. Ditch owners ~~Adrian~~ Kenridge

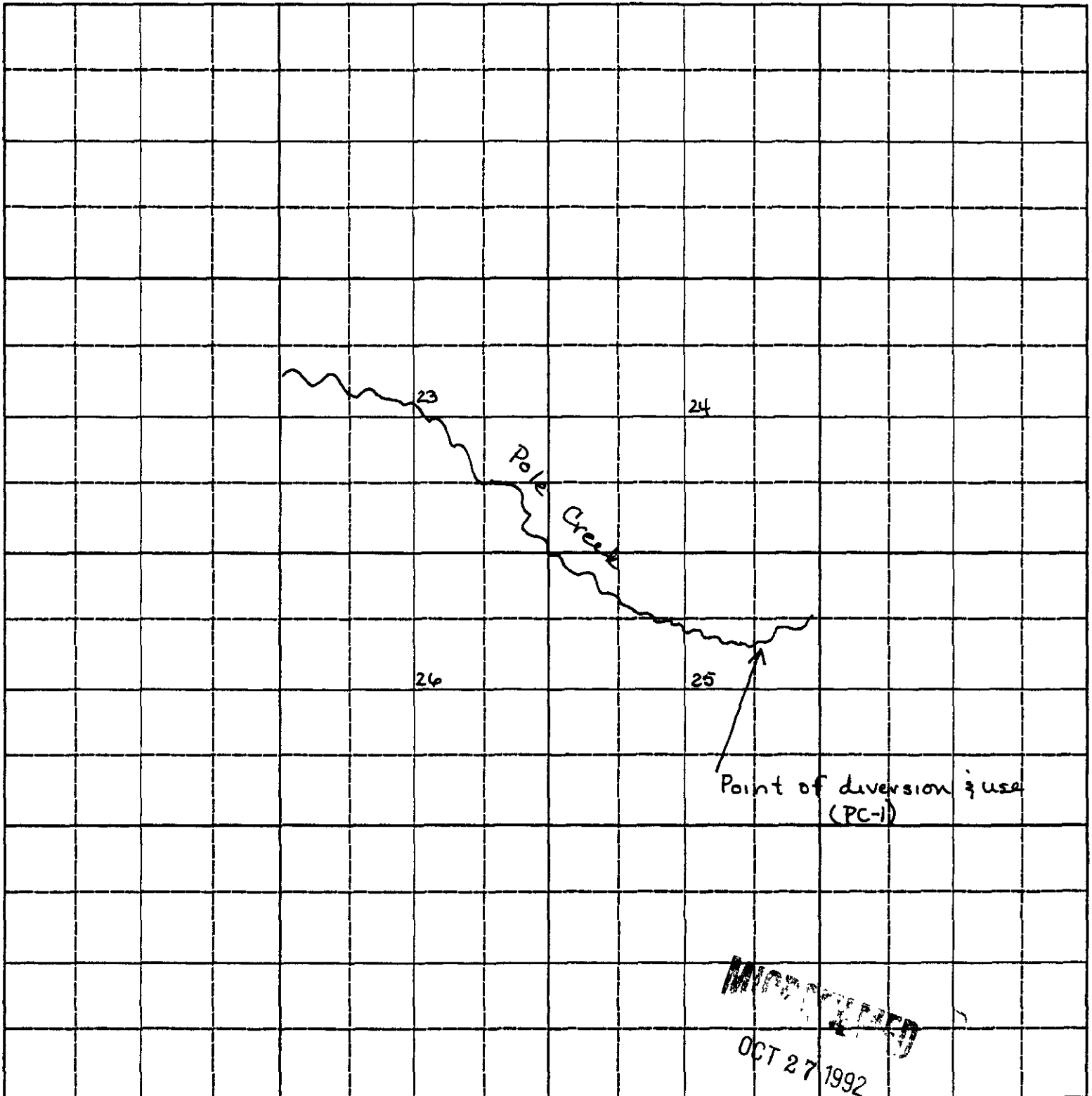
12. Remarks: _____

FILED
OCT 27 1992

71-7160

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

T 7 N R 14 E



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OCT 27 1992

Scale: 2 inches equal 1 mile.

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

Cynthia Robertson IDEG
(Applicant)

Received by SC Date 1-1-92 Time 2:30 Prelim MTS Check by MTS
Fee \$ 4500 Receipted by SC # CD24477 Date 6/10/92 fee rec'd 6/9
Publication prepared by mp Date 7/9/92 Published in Wood River Journal
Publication approved MBaldwin Date 8-31-92

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. _____, and said application is hereby _____.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before _____, 19 ____.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other:

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MILWAUKEE
OCT 27 1992



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

July 20, 1994

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

RE: WATER RIGHT NO. 71-07160

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit. If you have any questions, please contact me within 10 days of receipt of this license.

Sincerely,

A handwritten signature in black ink, appearing to be 'Jim Johnson', written over the typed name.

JIM JOHNSON, Manager
Water Right Permits Section

JJ:dc

Enclosure

RECEIVED

AUG 15 1994

WRO749NP
No. L71-07160

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 06/24/94
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	STATE OF IDAHO DEPT OF FISH & GAME PO BOX 25 BOISE ID 83707 (208) 334-3700	06/09/1992	FISH PROPAGATION	05-01 09-30	0.80 CFS	
TOTAL DIVERSION:					0.80 CFS	

Water Source: POLE CREEK

Tributary to: SALMON RIVER

Stage: LICENSE

Point(s) of Diversion Capacity: 1.09 CFS

Point(s) of Diversion: T07N R14E S25 NWSENE BLAINE County

Place of use Legal Description for: FISH PROPAGATION

NE				NW				SW				SE											
T	R	S		NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:
				Lt	Ac	Lt	Ac		Lt	Ac	Lt	Ac		Lt	Ac	Lt	Ac		Lt	Ac	Lt	Ac	
07N	14E	25	:					:					:					:					:

Pou County: BLAINE

Conditions of Approval:

- 027 - Use of water under this right shall be non-consumptive.
- 004 - The issuance of this right in no way grants any right-of-way or easement across the land of another.

Remarks: Fish propagation use is for fish protection through the installation of a deflecting screen at a diversion canal entrance and a bypass pipe to flush the fish back to Pole Creek.
~~This right is subordinate to all existing rights at the point of diversion.~~

Remove

Dates: App. Received: 06/09/1992 Priority Date: 06/09/1992
Proof Due Date: 11/01/1993 Proof Made Date: 01/13/1993
Exam Made Date: 08/03/1993 Exam Sent to S.O.: 06/16/1994
Licensed Date:

Misc: Water District Number: Field Exam Fee: R (Received)

Comments: Date: 09/24/1992 User-ID: MILLER Subject: SCREEN NUMBER
The screen number for this permit is PC-1.

Date: 09/24/1992 User-ID: MILLER Subject: MORATORIUM EXEMPTION
This permit falls within the acceptable parameters of the
Salmon-Clearwater Moratorium.

Date: 01/14/1993 User-ID: VAULT Subject: Proof of Beneficial Use Rcvd

WR0749NP
No. L71-07160

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 06/24/94
PAGE: 2

=====

Comments: Date: 01/14/1993 User-ID: VAULT Subject: Proof of Beneficial Use Rcvd
Proof of Beneficial Use Rcvd

Audit: 06/24/94 BCHAPMAN

LICENSE REVIEW CHECKLIST

PERMIT NO. 71-7160 DATE 6-24-94

Brenda

NAME	Yes ☐	No ☒	Or Address Change? ☐
PRIORITY DATE	☐	☒	Advance? ☐ Advanced to: Order to reinstate needed? ☐ Incorrect fee for rate recommended? ☒
SOURCE	☐	☒	Changes or just clarification of originally intended source? ☐ Notice of Intent to Void necessary? ☐
POINT OF DIV	☐	☒	Amendment needed? ☐ Overlaps? ☐
PLACE OF USE	☐	☒	Amendment needed? ☐ Overlaps? ☐
DIV RATE	☐	☒	Measurement Q = <u>1.09</u> Theoretical Q =
<i>flow thru situation</i>			
ANNUAL VOLUME	☐	☒	Capacity: <u>1.09</u> Combined rates exceed capacity ☐ Permit/fee limits: <u>.80</u> Allowable: <u>.80</u>
	☐	☒	Season of use: <u>5-1 to 9-30</u> Calculations:
	☐	☒	Flow limit: cfs x x 1.9835 = Combined volumes exceed capacity/allowable ☐
USES	☐	☒	Change in Nature of Use or additional uses? ☐ Amendment necessary? ☐
REMARKS	☐	☒	Multiple p/d(s) in 1/4 1/4? ☐ Other <u>SUBORDINATION REMARK</u>
CONDITIONS	☐	☒	Measuring/Locking Devices ☐ Watermaster control - District ☐ Irrigation Overlap ☐ Water Quality ☐ Other <u>027,004</u>
COMMENTS:			

RECOMMENDED

CFS

VOLUME

LICENSE ☒

Fish Prop

.80

—

1ST AMENDMENT LETTER ☐

FINAL AMENDMENT LETTER ☐

AUG 15 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JUN 17 1994

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 71-07160

1. Owner: State of Idaho (Dept. of Fish & Game) Phone No. 756-2271 (Salmon office)

Current Address: P.O. Box 25 Boise 83707

2. Accompanied by: Robert Downing - Screen Tender EXAM DATE: 8-3-93
Met Schutte / IDWR

Address: _____ Phone No. 774-3613

Relationship to Permit Holder: _____

3. Source: Pole Creek tributary to Salmon River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE

2. Other water rights with the same point of diversion: R71-00060A

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		NW	SE	NE	25	07N	14E	Blaine	USGS Map, Inspection

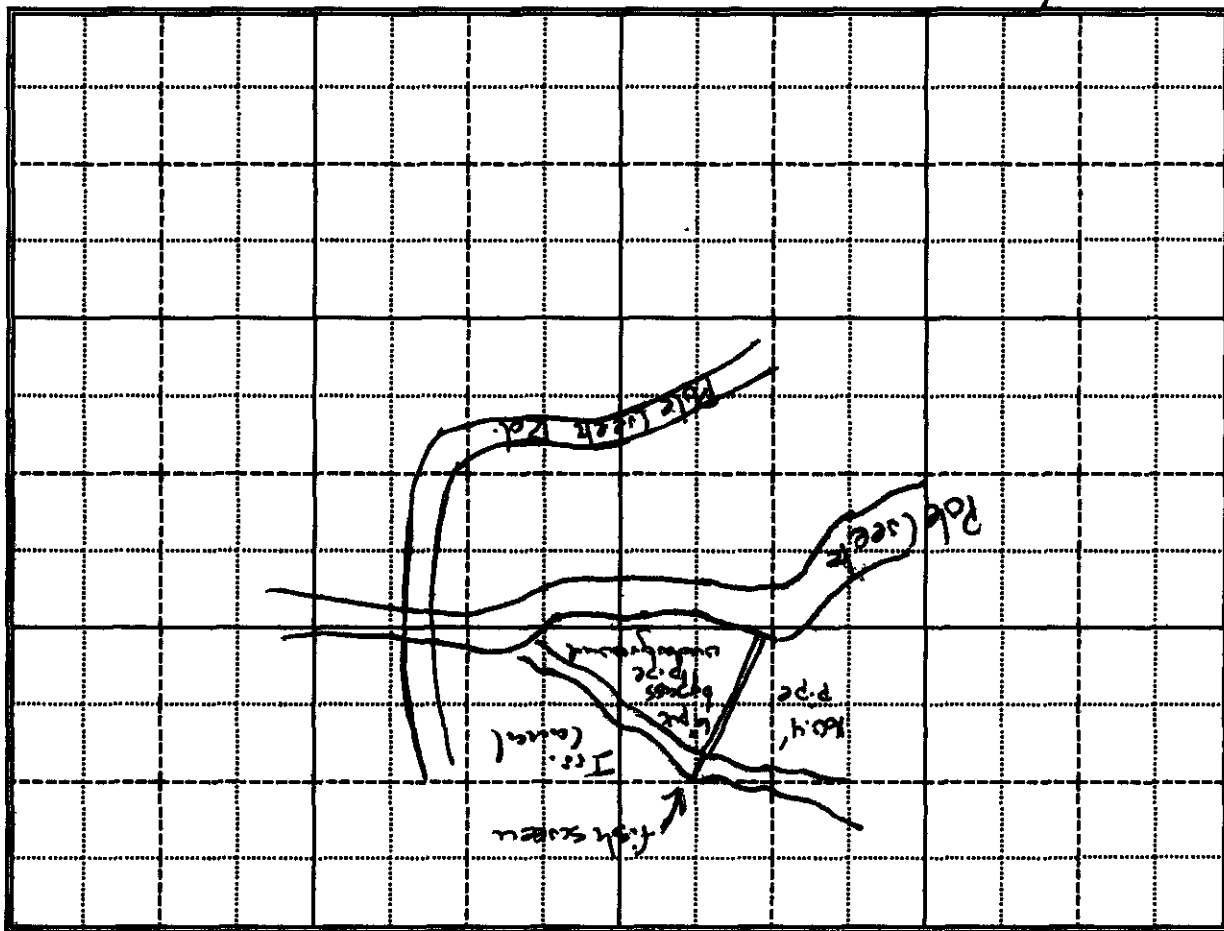
2. Place(s) of Use:

Indicate Method of Determination USGS Quad

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07N	14E	25				H													H

AUG 15 1994

3. Delivery System Diagram: Indicate all major components and distances between components. Indicate well size/ditch size/pipe l.d. as applicable.



Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).
Aerial Photo Attached (required for irrigation of 10+ acres)
Photo of Diversion and System Attached

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
n/a					

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Automatic Level (Tape)	CSE	Soteksha	153274	10347		

2. Measurements:

Water Surface at fish screen = 3.39'

at outlet

= 6.79'

H = 3.4'

AUG 15 1994

E. NARRATIVE/REMARKS/COMMENTS

The bypass pipe runs south 160.4' to a natural bypass ditch that runs approximately 50' to Pole Creek. The inlet is a 4" pvc pipe that immediately has a gradual transition to a 6" pvc. This transition is approximately 4' long.

Upon the first visit to the site, the bypass was plugged & not flowing freely. After being cleaned, the bypass pipe had enough discharge to make the outlet pipe be submerged.

The point of diversion from Pole Creek is approximately 50 yds away from the fish screen, therefore the conveyance losses along the irr. canal to the bypass pipe can be ignored.

The use of water shall be non-consumptive only.

This right is subordinate to all existing water rights at the point of diversion.

Water returns to Pole Creek in the SENE, S25, 7N, 14E

Have conditions of permit approval been met? ☒ yes ☐ no

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MCH

AUG 15 1994

☒ Additional Computation Sheets Attached

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: W/A

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DB} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IB} \text{ and } V_{DB} =$$

2. Volume Calculations for Other Uses:

Non-consumptive Use Only

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afs)
	From	To		
Fish Propagation	~~0-15~~	~~N/A~~	0.80 cfs	
	5-1	9-30		
		Totals:	0.80 cfs	N/A

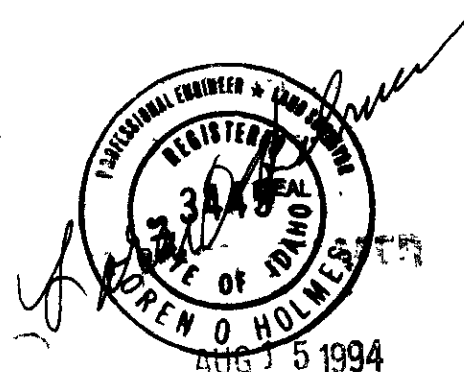
2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ✓ None
 ___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name Brett Bailey Date 8-11-93

Reviewer _____ **Date** _____



DATE: August 10, 1993
FROM: Brett Barry
TO: FILES 71-7146 through 71-7162
SUBJECT: Fish Screens - Measurement

In the Salmon River drainage basin, near Stanley, the IDFG 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 IDFG filed adjudication claims on these fish screens but then withdrew their claims. These permits are taking the place of the withdrawn claims.

On August 3 and August 4, Mel Schulte and I conducted the field examinations for the above water permits. Each fish screen, or permit, had a unique structure and bypass pipe. The water permit was for the diversion of water from the irrigation canal to the bypass pipe at the fish screen.

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 structure 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.

The program is very useful for calculating the discharge on longer pipes. But, when the bypass pipes are very short, the minor losses control the head loss and cannot be estimated accurately enough for predictable results.

Therefore, on very short bypass pipes and where the discharge at the outlet of the bypass pipe is not full, a measurement was obtained by treating the system as an orifice with a certain amount of head.

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AUG 15 1994

IDAHO DEPARTMENT OF WATER RESOURCES
WORKSHEET TO CALCULATE FISH SCREEN BYPASS

=====

PERMIT NUMBER:	71-7160	Lotus program: FISHSCRE.WK3
LOCATION:	Pole Creek	Created by: Allen Merritt
BY:	BRB	Date last revised:
DATE:	8-10-93	8-10-93 BY ADM

=====

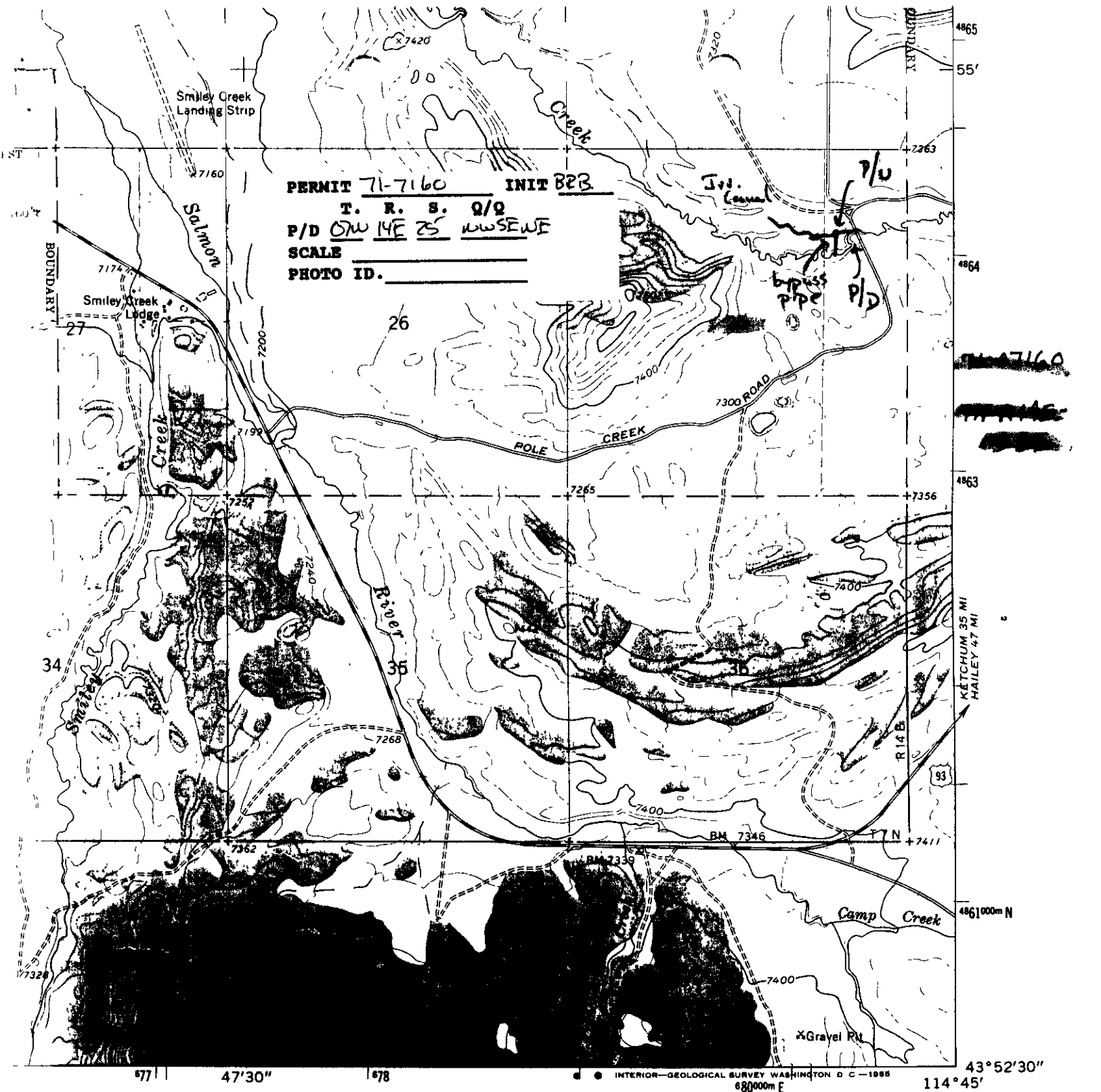
PVC KIND OF PIPE
6.2 DIAMETER IN INCHES
3.4 HEAD IN FEET (DIFF BETWEEN HEAD & TAILWATER)
160.4 LENGTH OF PIPE IN FEET
0.009 MANNINGS ROUGHNESS COEF
2.2 MINOR LOSSES K VALUE
(INLET) RE-ENTRANT = 1, FLUSH = 0.10-0.50
(OUTLET) OPEN = 1, SUBMER = 1
(TRANSITION) 0.0-1.0

0.516667 dia in feet
0.258333 pipe radius in feet
0.129167 hydraulic radius in feet
0.021197 hydraulic slope
0.209658 cross section area of pipe

1.095051 CFS (DIRECTLY CALCULATED FROM MANNINGS)

Balloon method
160.4' in avg. of 33.045
= 4.86 ft/sec
or 1.02 cfs

APPROVED FOR
AUG 15 1994



P71-7160 These photos were taken on August 3rd,
1993.

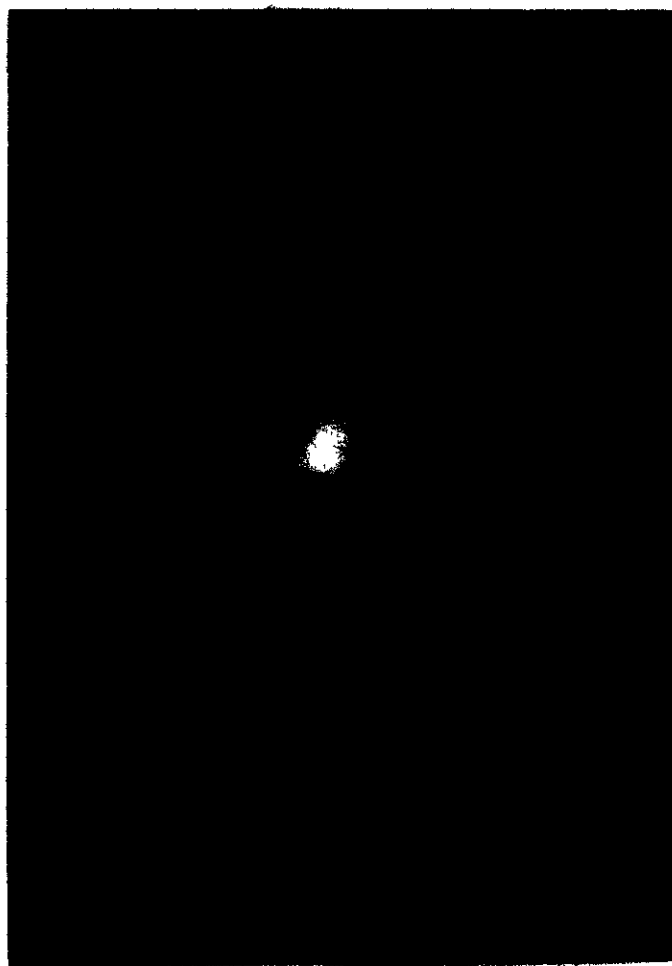
P/O



fish screen drum
is powered by
water driven waterwheel

re-entrance
tube entrance
is located there

→ P/O for irr.
canal
& bypass pipe
is located
app. 50 yds
upstream from
fish screen



→ outlet pipe
during the photo the bypass
pipe was plugged, after it was
unplugged, the pipe became
submerged

PHOTO 1993 8/3

AUG 15 1994

January 15, 1993

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 71-07160

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the SOUTHERN Regional Office in Twin Falls at (208)736-3033.

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region


FEB 05 1993



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

October 2, 1992

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 71-07160

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

Enclosed is a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed is a form entitled "Proof of Beneficial Use". If your project is already completed you should complete and submit this form immediately.

Sincerely,

BRENDA L. MILLER
Water Resource Agent

BLM:cz

Enclosures

RECORDED

OCT 27 1992

AFFIDAVIT of PUBLICATION

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AUG 31 1992

Department of Water Resources
Southern Region Office

State of Idaho,

County of Blaine

} ss.

On this 12th day of Aug in the year 1992 before me a Notary Public of said State, personally appeared DANIEL J. GORHAM, known or identified to me to be the person whose name is subscribed to be the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same. As the publisher of the Wood River Journal, he/she attests that said newspaper has been continuously and and uninterruptedly published for a period of seventy-eight consecutive weeks prior to the first publication of the annexed notice, and is a newspaper qualified to publish legal notices as provided by act of the 1919 session of the legislature of the State of Idaho, known as House Bill 145; that the annexed advertisement was published once each week for 2 consecutive issues in said newspaper proper and not in a supplement; that the date of the first publication of said advertisement was on the 5 day of Aug, 1992, and the date of the last publication was on the 12 day of Aug, 1992.

[Signature]

Subscribed and sworn to before me this 12th day of Aug, 1992.
(SEAL)

[Signature]

NOTARY PUBLIC

WOOD RIVER JOURNAL
Hailey, Idaho

COST OF PUBLICATION

Number of Picas per Line _____
Number of Lines in Notice 45
Number of Insertions _____

Lines tabular at _____ 6¢ / Pica
45 Lines straight at 22 50 5¢ / Pica
45 Subsequent lines at 20 25 4¢ / Pica
TOTAL COST 47.75 5.00

COPY OF NOTICE

(Paste Here)

Application for Water
TITLE OF NOTICE right

PLAINTIFF ATTORNEY

DEFENDANT

PLAINTIFF

Idaho Dept of Water Resources
BILL TO Twin Falls



Publication Rates
As of Jan., 1990
(Idaho Code,
Reb Statutes 1984)
7-8 pt / line straight 5 / pica
7-8 pt / line tabular 6 / pica
7-8 pt / line successive
insertion 4 / pica

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OCT 27 1992

8329

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JUL 15 1992

Department of Water Resources
Southern Region Office

Disk: Legals/NoA4WR

**Application for
water right**

**NOTICE OF APPLICATION
FOR WATER RIGHT**

The following application(s)
have been filed to appropriate the
public waters of the State of
Idaho:

71-07160

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE, ID 83707

Source: POLE CREEK
Tributary: SALMON RIVER
Diversion Pt: NWSENE Sec 25 T
07N R 14E in BLAINE County.
Use: FISH PROPAGATION (.800
CFS)

Total Diversion: (.800 CFS)
Date Filed: 6/9/1992
In: BLAINE County
T07N R14E S25 SENE

The permit(s) will be subject to all
prior water rights. Protests must
be filed with the Director, Dept. of
Water Resources, Southern
Region, 222 Shoshone Street
East, Twin Falls, ID 83301, on or
before AUGUST 24, 1992.

R Keith Higginson, Director
Publish: Wood River Journal-
August 5 & 12, 1992.

is this
HEAD O.K. ?
t/c to W&I
with message for
Patty Healy that her
heading is OK as long
as she includes IDWR
heading also. mfb
7-5-92

OK
mfb
7/17/92

MICROFILMED

OCT 27 1992

NOTICE OF APPLICATION FOR WATER RIGHT

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:

71-07160

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE, ID 83707

Source: POLE CREEK

Tributary: SALMON RIVER

Diversion Pt: NWSENE Sec 25 T 07N R 14E in BLAINE County.

Use: FISH PROPAGATION (.800 CFS)
Total Diversion: (.800 CFS)

Date Filed: 6/ 9/1992

In: BLAINE County
T07N R14E S25 SENE

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Southern Region, 222 Shoshone Street East, Twin Falls, ID 83301 on or before AUGUST 24, 1992.

R. KEITH HIGGINSON, Director

Published: 8/ 5/1992 & 8/12/1992

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OCT 27 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Southern Region
222 Shoshone Street East
Twin Falls, ID 83301
(208)736-3033

JULY 9, 1992

WOOD RIVER JOURNAL
PO BOX 988
HAILEY, ID 83333

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before AUGUST 24, 1992.

Yours truly,

Mary Baldwin
Secretary/Office Coordinator

Enclosure

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OCT 27 1992



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

CECIL D. ANDRUS
Governor

08-Jul-1992

R. KEITH HIGGINSON
Director

ATTN CINDY ROBERTSON
FISHERY BIOLOGIST
IDAHO FISH & GAME
PO BOX 25
BOISE ID 83707-0025

Re: Applications for Permit Nos. 71-07146 thru 71-07166,
72-07482 thru 72-07499

Dear Ms. Robertson:

The Department of Water Resources acknowledges receipt of 39 water right applications for permit. Each application has been assigned an identification number. Please refer to this number in all further correspondence. A computer produced proof report for each application is enclosed for your information and reference.

This office will be advertising the applications with points of diversion located within Custer County in the Challis Messenger on 8/6 & 8/13/92. Application No. 71-07160 will be advertised in the Wood River Journal on 8/5 & 8/12/92 because it has a point of diversion located within Blaine County. A period of ten days following the second publication will be allowed for the submittal of protests.

If an application is protested you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our State Office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A

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OCT 27 1992

Idaho Fish & Game
Page 2
08-Jul-1992

typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Very truly yours,

Mel Schulte
Water Right Agent

MS:MB

NOT REFILED

OCT 27 1992



IDAHO FISH & GAME

600 South Walnut
P.O. Box 25
Boise, ID 83707-0025

June 3, 1992

Mr. Jim Johnson
Idaho Department of Water Resources
STATEHOUSE MAIL
Boise, ID 83720

Re: Water Right Application for Fish Screens

Dear Mr. Johnson:

I have enclosed 33 applications for permit and a check for \$1,485.00 for fish screens in the Salmon River Basin. These applications are for nonconsumptive uses of water. The screens prevent fish from entering irrigation ditches and becoming stranded. The fish are shunted into bypass pipes near the screens and are returned back to the stream below the irrigation ditch.

I have had several conversations with Water Resources personnel regarding the need to apply for water right permits for these fish screens and have received conflicting responses. When I filed our Department's claims for the Snake River Basin Adjudication, I was told that we should file claims for existing fish screens and applications for permit for screens that were built after 1971. Conversely, since filing our adjudication claims, I have been told that because the use of the water is nonconsumptive and no additional water is diverted down the ditches to run the screens, we do not need a water right to use them.

Could you clarify for me whether or not we need to file applications for the fish screens? If we do not need to file the enclosed applications, please return them to me with the check. If we are required to file applications, then you have them and the payment for processing them. If I can provide you with any further information regarding these applications, please call me at 334-2597. Thank you in advance for your help in this matter.

Sincerely,

Cindy Robertson

Cindy Robertson
Fishery Biologist

CR:tlv

Enclosure

cc: Jim Blake, Salmon
Lee VanDeBogart, Engineering

Cecil D. Andrus / Governor
Jerry M. Conley / Director

Equal Opportunity Employer



A. MED
OCT 27 1992

APPLICATIONS FOR WATER RIGHT PERMITS FOR FISH SCREENS
IN THE SALMON RIVER BASIN

<u>Screen Number</u>	<u>Cost</u>
EF-14 ✓	\$45.00
EF-20	45.00
EF-22	45.00
EF-24	45.00
EF-HC-3	45.00
S-1	45.00
S-8	45.00
S-20	45.00
S-21	45.00
S-21A	45.00
S-23	45.00
S-24	45.00
S-28	45.00
S-32	45.00
S-33	45.00
S-38	45.00
S-39	45.00
S-39A	45.00
S-40	45.00
S-41	45.00
S-42	45.00
S-43	45.00
S-44	45.00
S-45	45.00
S-47	45.00
S-PC-1	45.00
S-VC-1	45.00
S-VC-2	45.00
S-VC-3	45.00
S-VC-4	45.00
S-VC-6	45.00
S-WSC-1	45.00
S-WCS-2	45.00

OCT 27 1992