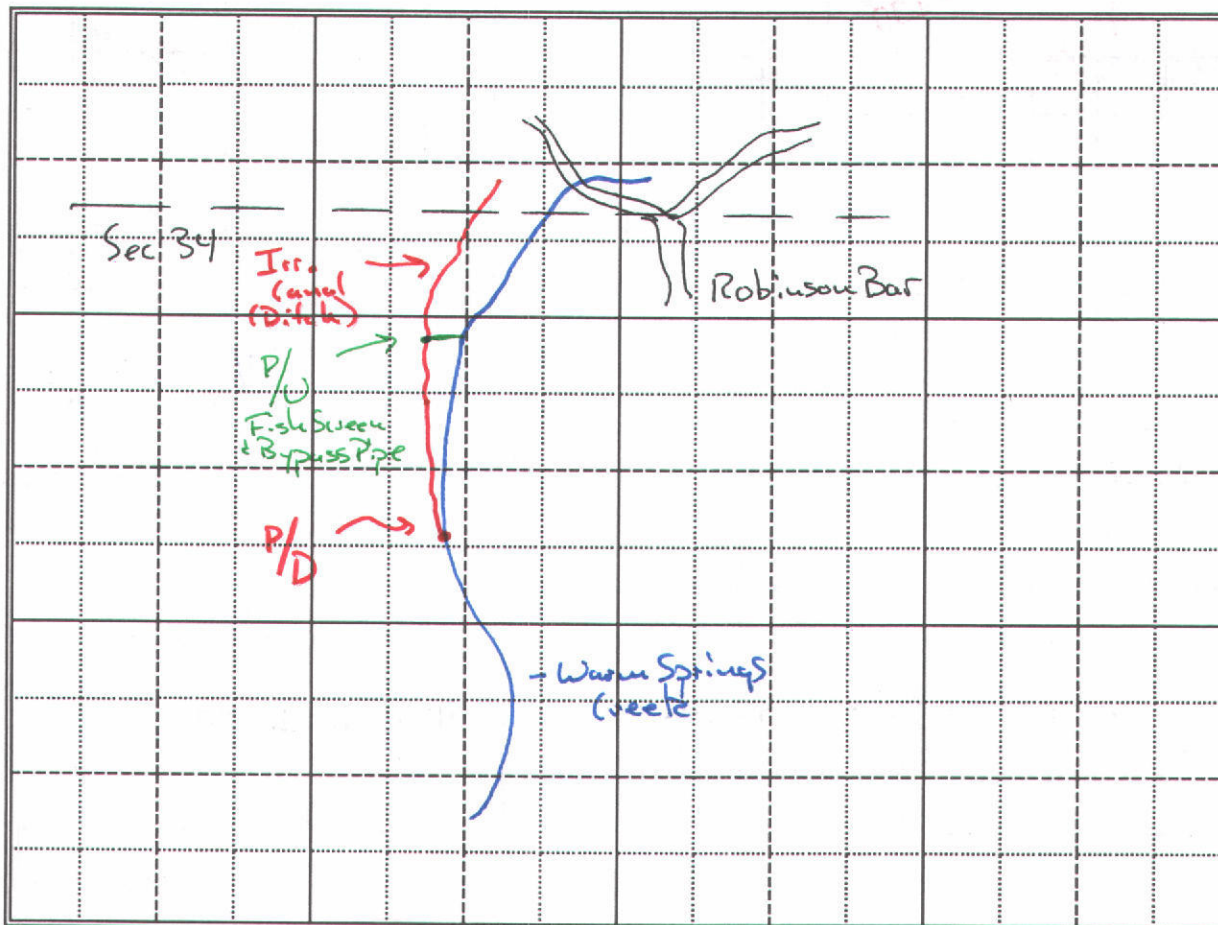


3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



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
NONE						

2. Measurements: Orifice Dimensions = 3" by 3"

H₂O level from middle of orifice to water surface = 0.86'

OCT 31 1994

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

72-07499

19-7

PERMIT 72-07499 INIT B.R.B.

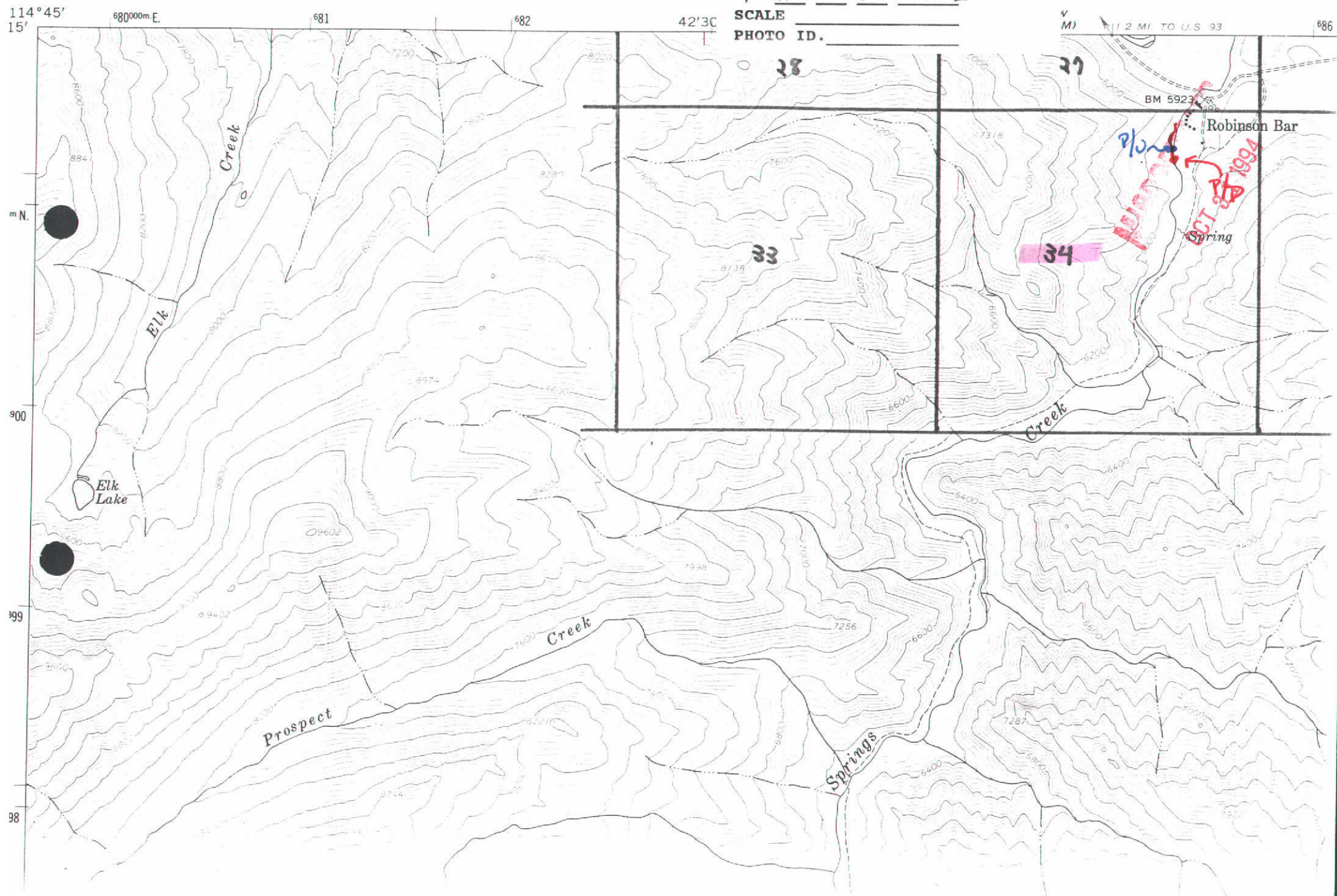
T. R. S. Q/Q

P/D 11W 15E 34 NWNE

SCALE

PHOTO ID.

1 2 MI. TO U.S. 93



P72-07499
 These photos were
 taken on 8-4-93.



Warm Springs
 Creek in the
 background

P/U

orifice is
 located
 in the bottom
 of these checkboards

P/D is located approximately
 50 yds upstream
 inst. canal on Warm Springs
 Creek



3" x 3"
 orifice
 that is flush
 with bottom
 of plate

OCT 31 1994

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 72-07499

Priority: June 9, 1992

Maximum Diversion Rate:

0.28 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 .280 cfs of water from:

WARM SPRINGS 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	0.28 CFS	
------------------	----------------	----------	--

LOCATION OF POINT(S) OF DIVERSION:

NWNE , Sec. 34, Township 11N, Range 15E
CUSTER County

PLACE OF USE: FISH PROPAGATION

TWN RGE SEC

11N 15E 34

NWNE

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 Warm Springs 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 13TH day of SEPTEMBER, 1994.

Acting for R. Keith Higginson, Director

OCT 31 1994

State of Idaho
Department of Water Resources

RECEIVED
AUG 12 1994
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 72-07499

APPROVED

Date of Priority: June 9, 1992
Comes now STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

Maximum Diversion Rate: 0.28 CFS

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 72-07499, and requests that the permit be changed as follows:

Source: WARM SPRINGS CREEK tributary to SALMON RIVER

<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	0.28 CFS	

LOCATION OF POINT(S) OF DIVERSION: NWNE, Sec. 34, Township 11N, Range 15E
CUSTER County

PLACE OF USE: FISH PROPAGATION
TWN RGE SEC
11N 15E 34 NWNE

OCT 31 1994

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at Salmon, IDAHO, this 8th day of August, 1994.

Glen A. Strickland
(Signature)
Construction Supervisor
Idaho Dept. of Fish & Game

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 72-07499

FOR DEPARTMENT USE ONLY

Preliminary check by RB Fee = 50.00 Received by RT # 003001 Date 8-10-94

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, R. Keith Higginson, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 72-07499 with the following;

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 Warm Springs Creek.

Witness my hand this 13TH day of SEPTEMBER, 1994.

Acting for R. Keith Higginson, Director

RECEIVED
OCT 8 1994

RECEIVED

JAN 13 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

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. 72-07499 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: Warm Springs 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

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

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 72-07499

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:

WARM SPRINGS 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: NENE , Sec. 34, Township 11N, Range 15E
CUSTER County

PLACE OF USE: FISH PROPAGATION
TWN RGE SEC

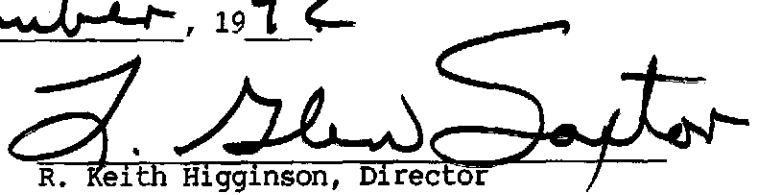
11N 15E 34 NENE

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 Warm Springs 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

24th day of September, 1992

for 
R. Keith Higginson, Director

RECORDED

DEC 10 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 72-7499

RECEIVED

JUN 11 1982

To appropriate the public waters of the State of Idaho

Department of Water Resources
Southern District Office

1. Name of applicant Idaho Department of Fish and Game Phone 334-3700

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

2. Source of water supply Warm Springs Creek which is a tributary of Salmon River
~~Salmon River~~

3. Location of point of diversion is NE NE Govt. Lot

Sec. 34 Township 11 N Range 15 E B.M. Custer 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 irrigation ditch, 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 the proposed beneficial use is Screen was built in 1988 and has operated since that time
_____ years (minimum 1 year).

DEC 10 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 propagation - screen prevents fish from entering ditch and bypass pipe returns fish and water to river

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	
11N	15E	34	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? J.B.C. Church

b. Who owns the land to be irrigated or place of use? same

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. Easement agreement S-WSC-1 filed at Custer Co.

courthouse on 5/15/61, pp. 166-167, Book 34. Ditch owners J.B.C. Church

12. Remarks: _____

RECORDED
DEC 10 1992

(Applicant)

Received by SC Date 1/1/92 Time 2:30 Prelim check by MTS
Fee \$ 45.00 Receipted by SC # C024477 Date 6/10/92
Publication prepared by MB Date 7/8/92 Published in Challis Messenger
Publication approved MBaldwin Date 8-24-92

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:

RECEIVED
DEC 10 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

September 14, 1994

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

RE: WATER RIGHT NO. 72-07499

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved Application for Amendment.

Should you have any questions regarding these documents, please feel free to contact this office.

Sincerely,

A handwritten signature in cursive script that reads "Shelley W. Keen".

Shelley W. Keen
Water Rights Supervisor

SK:dc

Enclosure

RECORDED

OCT 31 1994



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

August 11, 1994

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707
ATTN: CINDY ROBERTSON

RE: WATER RIGHT NOS. 72-07495, 72-07483, 72-07499, 72-07485 and
72-07490

Dear Water Right Holder(s):

I previously forwarded to you Applications for Amendment of Permit on the above referenced water rights. We have not received the amendments back yet, but I understand your process may take a little more time to return the amendments. Please consider this letter a reminder letter, in case the amendments have been overlooked.

Sincerely,

A handwritten signature in black ink, appearing to be 'Jim Johnson', with a horizontal line extending to the right.

JIM JOHNSON, Manager
Water Right Permits Section

JJ:dc

RECEIVED
OCT 31 1994



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

June 22, 1994

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

RE: WATER RIGHT NO. 72-07499

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed Application for Amendment contains information that will be included on the license when it is issued. The amendment reflects a change in the location of the point(s) of diversion and the place(s) of use description. Please review carefully and if you concur, sign the amendment and return with the \$20.00 filing fee within 60 days.

The last page of the Application for Amendment form contains a list of CONDITIONS/REMARKS proposed for the license when it is issued. These conditions/remarks may be modified upon further administrative review.

If you do not concur or have any questions with this information, please contact me as soon as possible. My telephone number is (208) 327-7947.

Sincerely,

A handwritten signature in black ink, appearing to be 'J. Johnson'.

JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosure

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JUN 17 1994

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 72-07499

1. Owner: State of Idaho - Dept. of Fish & Game Phone No. 334-3700

Current Address: 600 S. Walnut, P.O. Box 25 Boise 83707

2. Accompanied by: Robert Downing, Mel Schulte (IDWR) EXAM DATE: 8-4-93

Address: _____ Phone No. 774-3613

Relationship to Permit Holder: Screen Tender - Employee of IDFG

3. Source: Warm Springs 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: R72-04093

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	NE	34	11W	15E	Luster	USGS Topo, Inspection

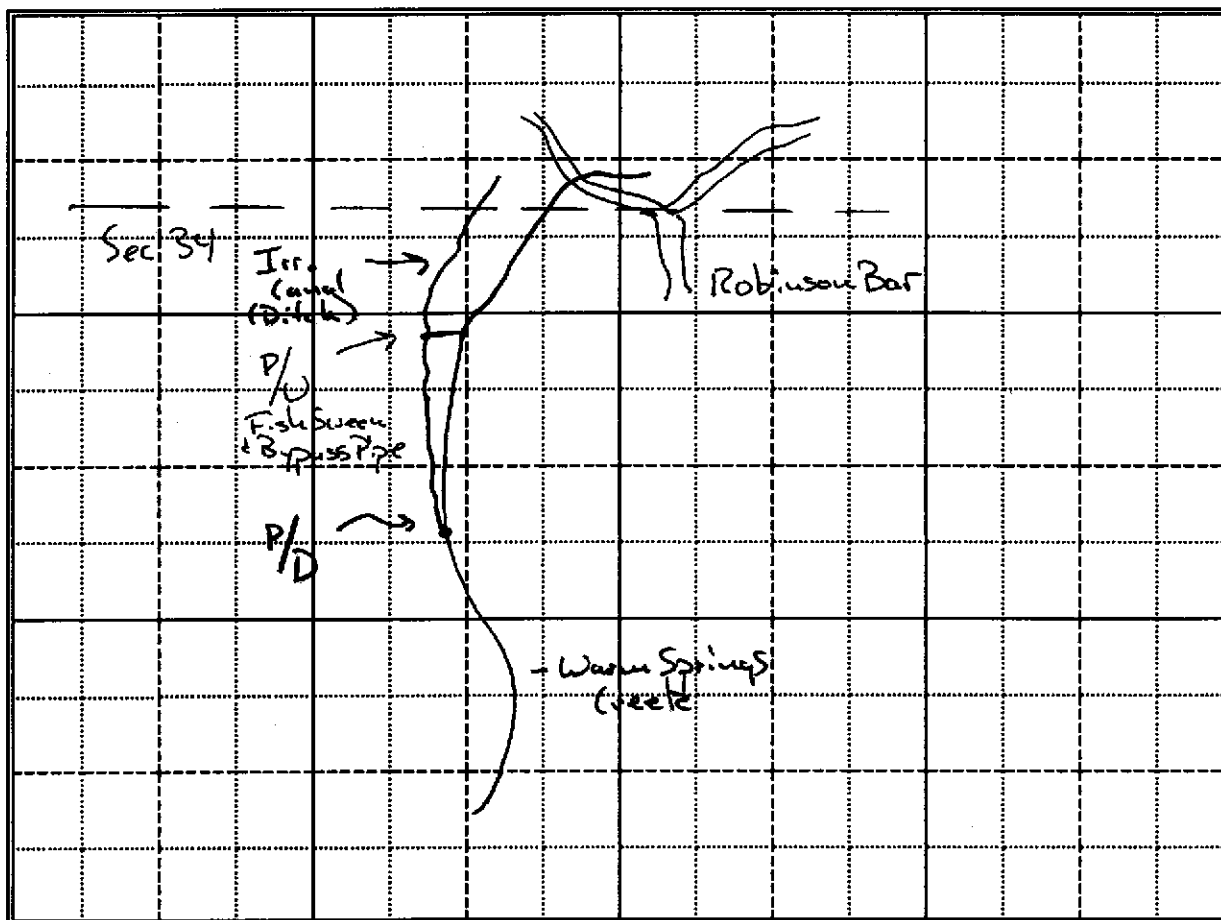
2. Place(s) of Use:

Indicate Method of Determination USGS Topo, Inspection

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11W	15E	34		H															H

OCT 21 1994

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
NONE						

2. Measurements: Orifice Dimensions = 3" by 3"
H₂O level from middle of orifice to water surface = 0.86'

00781700

E. NARRATIVE/REMARKS/COMMENTS

There is no bypass pipe on this system. Water runs through a 3" by 3" orifice on the bottom of some wooden checkboards directly to an excess bypass ditch. The ditch runs 40' east to Warm Springs Creek.

The P/O is approximately 50 yds upstream the irrigation ditch to Warm Springs Creek.

The H₂O level from middle of orifice to surface was 0.86'.

The use of water shall be non-consumptive only.

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

Water returns to Warm Springs Creek about 20' from the fish screen in the same $\phi\phi$ as the P/O
P/U - 11N, 15E, S34, NW NE.

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

OCT 31 1994

F. FLOW CALCULATIONS

Measured Method:

☒ Additional Computation Sheets Attached

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: *W/A*

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

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

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

For Non-Consumptive Use Only

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Fish Propagation</i>	<i>5-1</i>	<i>9-30</i>	<i>0.80 cfs</i>	<i>—</i>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals: <i>0.80 cfs, 28 cfs</i>				<i>—</i>

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 Bunn* Date *8-25-93*

Reviewer _____ Date _____



OCT 31 1994

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.

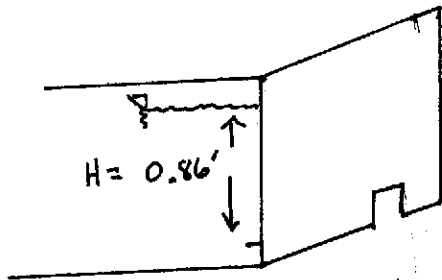
The program is very useful for calculating the discharge on longer pipes. But, when the bypass pipes are very short, the minor losses control the head loss and cannot be estimated accurately enough for predictable results.

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.

OCT 21 1993

Measurement Flow Calculations

P72-07499



See attached sheet
for orifice relationship & orifice
coefficients

Square
Edged
 $K=0.61$

$$\begin{aligned} A &= 3" \times 3" = 0.0625 \text{ ft}^2 \\ Q &= 0.61 A \sqrt{2gh} = 0.61 A \sqrt{2(32.2)(0.86')} \\ &= 0.61 (0.0625 \text{ ft}^2) \sqrt{2(32.2)(0.86')} \\ &= \underline{0.28 \text{ cfs}} \end{aligned}$$

RECEIVED
OCT 8 1 1994

143. 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

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

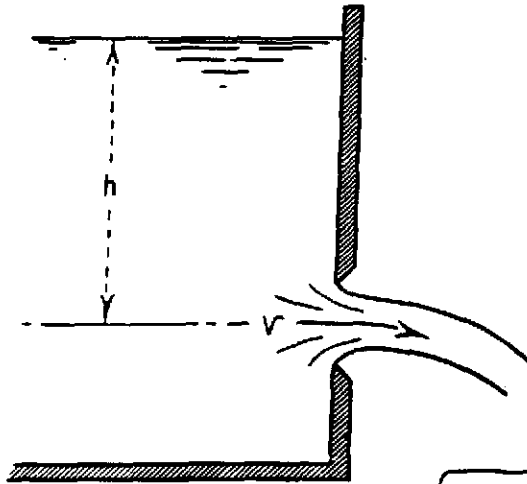


Figure 107.—Orifice flow.

RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	WELL ROUNDED
Length = 1/2 to 1 DIA.		Smooth Clean Sides	Length = 2 1/2 DIA.	Tube Flowing Full	
$C = .52$	$C = .61$	$C = .61$	$C = .72$	$C = .82$	$C = .98$

FIG. 69. Typical orifice coefficients.

72-07499

Water Measurement Manual

p.309

p.310

United States
Department of
Interior

Bureau of Reclamation

Denver 1967

Gov. Printing Office

Hydraulic Hand book
Colt Industries
Kansas City, Kansas
1979
p.203

OCT 21 1994



P72-07499

These photos were
taken on 8-4-93.

Warm Springs
creek in the
background

P/O

orifice is
located
in the bottom
of these checkboards

P/O is located approximately
50 yds upstream
ist. canal on Warm Springs
creek



3" x 3"
orifice
that is flush
with bottom
of plate

OCT 8 1 1994

January 15, 1993

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

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 72-07499

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

Permit No. 72-07499 Reviewed by Klg Date 1/14/93

TYPES OF USE

fish propagation

Correct Uses? yes

✓ Surface water source
Ground water source

LICENSE EXAMINATION FEE

yes Required?
100 Amount Submitted
yes Correct?

MEASURING DEVICE

NA Required?
 _____ Installed?
 _____ Waiver requested?

PRIORITY CALCULATION

Date proof received NA _____
Date proof due _____ - _____
No. of days late _____ = _____
Priority Date _____ + _____
New Priority Date _____

DEFICIENCIES OR ACTION ITEMS

proof acceptable

DATA ENTRY

New Address

Proof Made 1/13/93
1/15/93 Klg



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

September 28, 1992

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

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 72-07499

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

RECEIVED
DEC 10 1992

Public Notices

NOTICE OF APPLICATION FOR WATER RIGHT
The following application(s) have been filed to appropriate the public waters of the State of Idaho:
71-07146
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Elk Creek Tributary:
Valley Creek
Diversions Pt: NENW Sec 16 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T11N R12E S16 NENW
71-07147
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Elk Creek Tributary:
Valley Creek
Diversions Pt: SESE Sec 11 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T11N R12E S11 SESE
71-07148
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Valley Creek Tributary:
Salmon River
Diversions Pt: SESE Sec 3 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T11N R12E S03 SESE
71-07149
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 2 (NWNE) Sec 5 T 06N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T06N R14E S05 NWNE
71-07150
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 2 (NWNE) Sec 5 T 06N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T06N R14E S05 NWNE
71-07151
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SESE Sec 10 T 07N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T07N R14E S10 SESE
71-07152
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SESE Sec 3 T 07N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T07N R14E S03 SESE
71-07153
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SESE Sec 8 T 06N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T06N R14E S08 NESE
71-07154
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707

The People's Right To Know
Source: Salmon River Tributary:
Snake River
Diversions Pt: NESE Sec 8 T 06N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T06N R14E S08 NESE
71-07155
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Valley Creek Tributary:
Salmon River
Diversions Pt: SWNW Sec 3 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R12E S03 SWNW
71-07156
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Valley Creek Tributary:
Salmon River
Diversions Pt: SESE Sec 11 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R12E S11 SESE
71-07157
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Valley Creek Tributary:
Salmon River
Diversions Pt: NWNW Sec 13 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R12E S13 NWNW
71-07158
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Valley Creek Tributary:
Salmon River
Diversions Pt: SENW Sec 13 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R12E S13 SENW
71-07159
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Valley Creek Tributary:
Salmon River
Diversions Pt: NENW Sec 24 T 11N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R12E S24 NENW
71-07161
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SESE Sec 8 T 06N R 14E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T06N R14E S08 NESE
71-07162
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 5 (SWNE) Sec 15 T 10N R 13E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T10N R13E S15 NESE
71-07163
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 4 (SWNE) Sec 22 T 10N R 13E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T10N R13E S22 SWNE

State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Groundwater
Diversions Pt: SENW Sec 31 T 10N R 14E in Custer County
Use: Domestic (.040 cfs)
Total Diversion: (.040 cfs)
Date Filed: 8/24/1990
In: Custer County
T10N R14E S31 SENW
77-07317
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Knapp Creek Tributary:
Marsh Creek
Diversions Pt: SWNW Sec 18 T 12N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T12N R12E S18 SWNW
77-07318
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Knapp Creek Tributary:
Marsh Creek
Diversions Pt: NENW Sec 18 T 12N R 12E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T12N R12E S18 NENW
77-07482
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: NWNW Sec 35 T 15N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T15N R19E S26 SWSW
77-07483
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SESE Sec 19 T 12N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T12N R19E S19 NWSW
77-07484
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SWNW Sec 19 T 12N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 8/24/1990
In: Custer County
T12N R19E S19 SWNW
77-07485
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Herd Creek Tributary:
Salmon River, East Fork
Diversions Pt: SESE Sec 18 T 09N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T09N R19E S18 SWNE
77-07486
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River, East Fork
Tributary: Salmon River
Diversions Pt: SWNW Sec 27 T 09N R 17E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T09N R17E S27 SWNW
77-07487
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River, East Fork
Tributary: Salmon River
Diversions Pt: SENW Sec 27 T 09N R 17E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T09N R17E S27 SENW
77-07488
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 7 (SENE) Sec 28 T 11N R 16E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R16E S28 NESE
77-07491
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SWNE Sec 7 T 12N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T12N R19E S07 SWNE
77-07492
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 6 (SWNE) Sec 32 T 13N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T13N R19E S28 NWNE
77-07493
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: SWSE Sec 16 T 13N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T13N R19E S16 SWNE
77-07494
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: NWSW Sec 35 T 15N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T15N R19E S35 SWNW
77-07495
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: NWSW Sec 26 T 15N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T15N R19E S26 NWSE
77-07496
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 4 (SESE) Sec 24 T 15N R 19E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T15N R19E S24 SENE
77-07497
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 3 (SESE) Sec 11N R 15E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R15E S34 NESE
77-07499
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Warm Springs Creek
Tributary: Salmon River
Diversions Pt: NENE Sec 34 T 11N R 15E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R15E S34 NENE
77-07499 ✓
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
Pub: Aug. 6 & 13, 1992.

Boise, ID 83707
Source: Salmon River Tributary:
Snake River
Diversions Pt: Lot 3 (SESE) Sec 11N R 15E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R15E S13 SESE
77-07496
State of Idaho
Dept. of Fish and Game
P.O. Box 25
Boise, ID 83707
Source: Warm Springs Creek
Tributary: Salmon River
Diversions Pt: NENE Sec 34 T 11N R 15E in Custer County
Use: Fish propagation (.800 cfs)
Total Diversion: (.800 cfs)
Date Filed: 6/9/1992
In: Custer County
T11N R15E S34 NENE
77-07499 ✓
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
Pub: Aug. 6 & 13, 1992.

AFFIDAVIT OF PUBLICATION
State of Idaho, County of Custer, ss:
1. Margaret Parks, Pub:
the Challis Messenger, a weekly newspaper published at Challis, Idaho, do solemnly swear that the notice hereto attached and made hereof, was published in the regular and consecutive weeks, commencing with the date of Aug 6 1992, and ending with the date of Aug 13 1992.
Margaret Parks
STATE OF IDAHO
COUNTY OF CUSTER
On this 20th day of Aug
the year of 1992 before me, a Notary Public for Idaho, personally appeared Margaret Parks, known or identified to me to be the person subscribed to the within instrument, being by me first duly sworn, declared that the statements therein are true, and acknowledged that he executed the same.
Edith M. Jones
Notary Public for Idaho
Residing at Challis
My commission expires 11/1/92
DEC 10 1992

RECEIVED

STATEMENT

AUG 24 1992



Department of Water Resources

Custer Publishing, Inc.

Phone 879-4445

P.O. Box 405

Challis, Idaho 83226

Dept. of Water
232 Shoshone St. East
Twin Falls, Id 83301

Job No.	Date	DESCRIPTION	Amount
544 lines	8-20-92	Notice of Application for Water Right 8/6/13/92 # 71-07146, 71-07147, 71-07148, 71-07149, 71-07150, 71-07151, 71-07152, 71-07153, 71-07154, 71-07155, 71-07156, 71-07157, 71-07158, 71-07159, 71-07161, 71-07162, 71-07163, 71-07164, 71-07317, 71-07318, 72-07482, 72-07483, 72-07484, 72-07485, 72-07486, 72-07487, 72-07488, 72-07489, 72-07490, 72-07491, 72-07492, 72-07493, 72-07494, 72-07495, 72-07496, 72-07497, 72-07498, 72-07499	\$312.80 OK MB 8-24-92

A finance charge of 1½ percent (annual percentage rate of 18%) with a minimum charge of 50¢ will be charged to all accounts not paid within 30 days of billing.

MICROFILMED

DEC 10 1992

NOTICE OF APPLICATION FOR WATER RIGHT

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

72-07499

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

Source: WARM SPRINGS CREEK

Tributary: SALMON RIVER

Diversion Pt: NENE Sec 34 T 11N R 15E in CUSTER County.

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

Date Filed: 6/ 9/1992

In: CUSTER County
T11N R15E S34 NENE

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/ 6/1992 & 8/13/1992

MICROFILMED

DEC 10 1992

DEC 1 0 1992

MILITARY MED

Legal
8/6/92
in C.M.
8-11-92

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

JULY 8, 1992

CUSTER PUBLISHING COMPANY
PO BOX 405
CHALLIS, ID 83226

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

RECEIVED
DEC 10 1992

DEC 10 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

MICROFILMED

DEC 10 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

RECEIVED
DEC 10 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



Working for wildlife since 1938

MICROFILMED

DEC 10 1992

RECEIVED

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

NOT RECORDED

DEC 10 1992