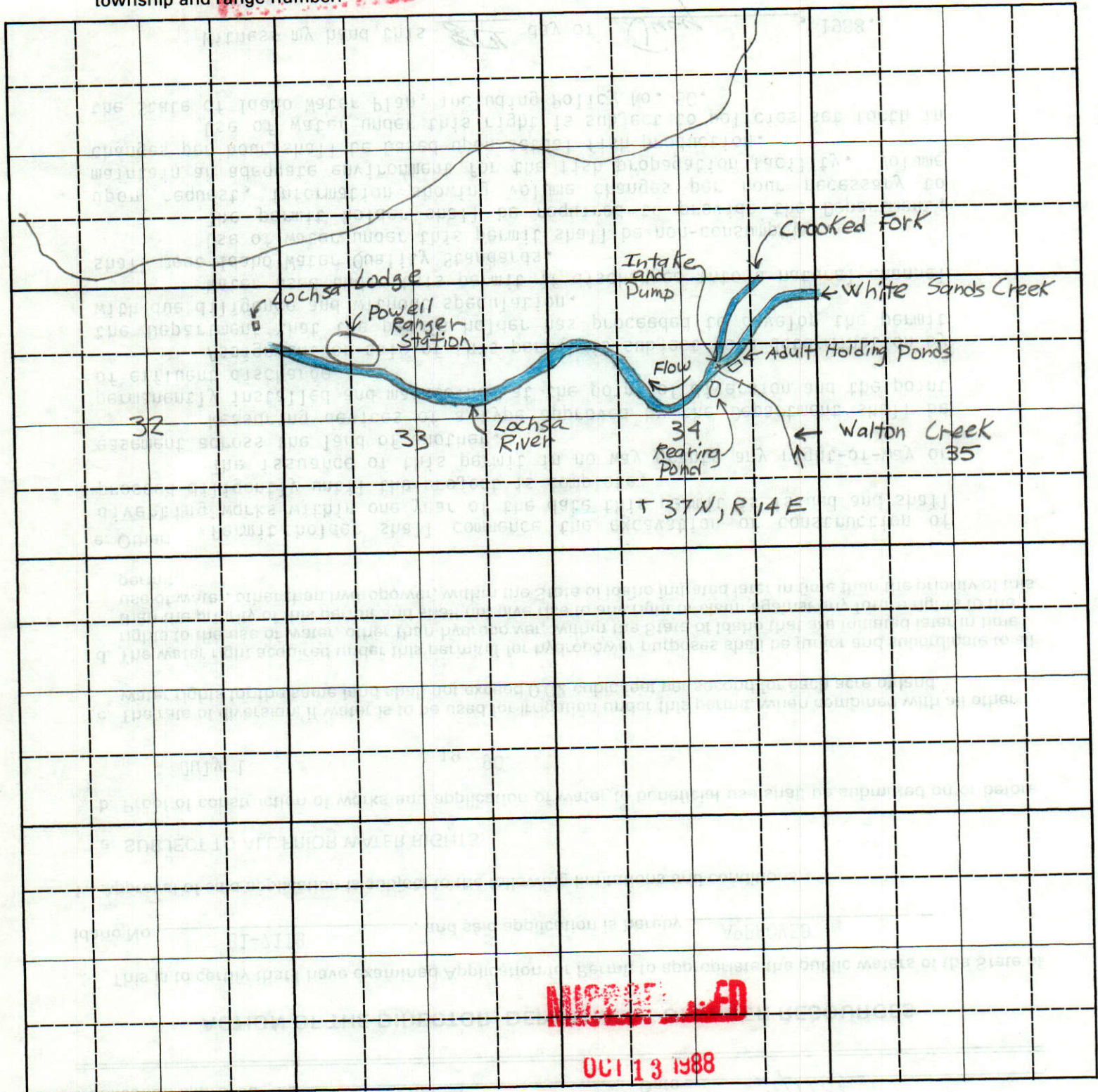


OCT 13 1988

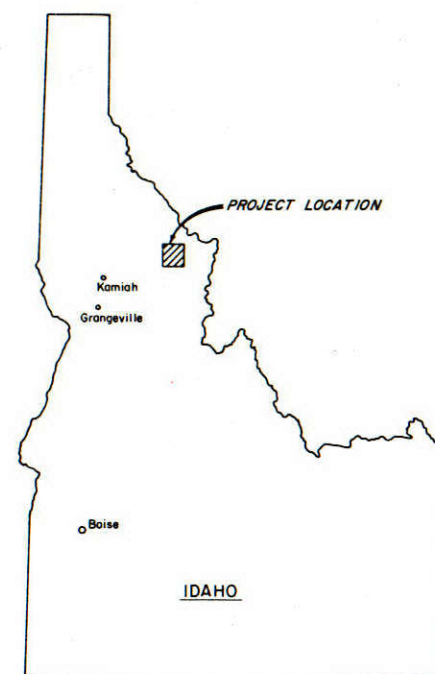
13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



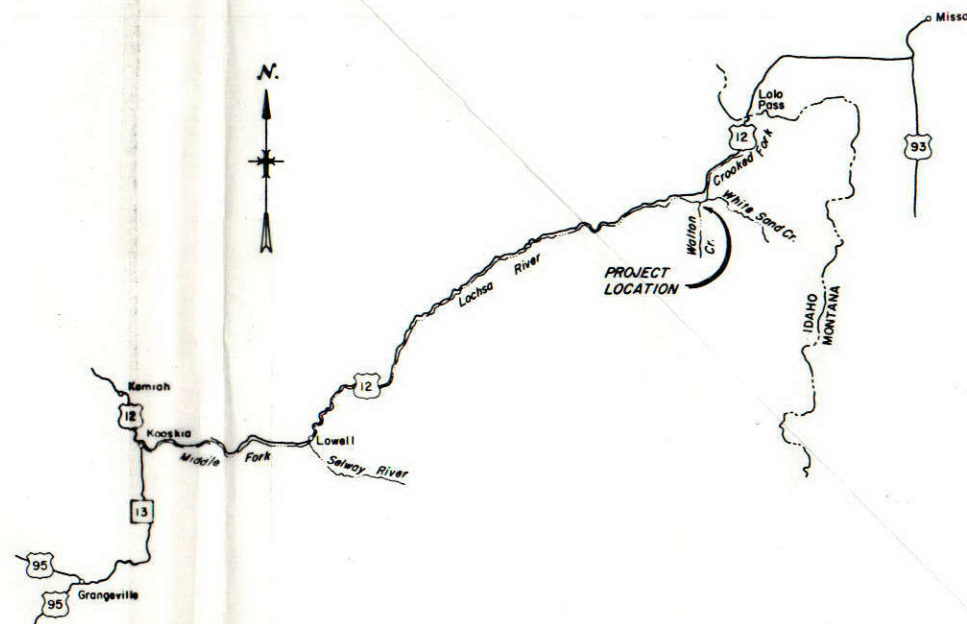
Scale: 2 inches equal 1 mile.

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.

Pho Jappan for F.D.F.G.
(Applicant)
Engineer Supervisor



LOCATION MAP



VICINITY MAP

10 0 10 20
SCALE IN MILES

LOWER SNAKE RIVER FISH AND WILDLIFE COMPENSATION PLAN
CLEARWATER HATCHERY SATELLITE FACILITIES
LOCHSA RIVER AT POWELL

POWELL SATELLITE FACILITY
CONSTRUCTION AND OPERATION SCHEDULE

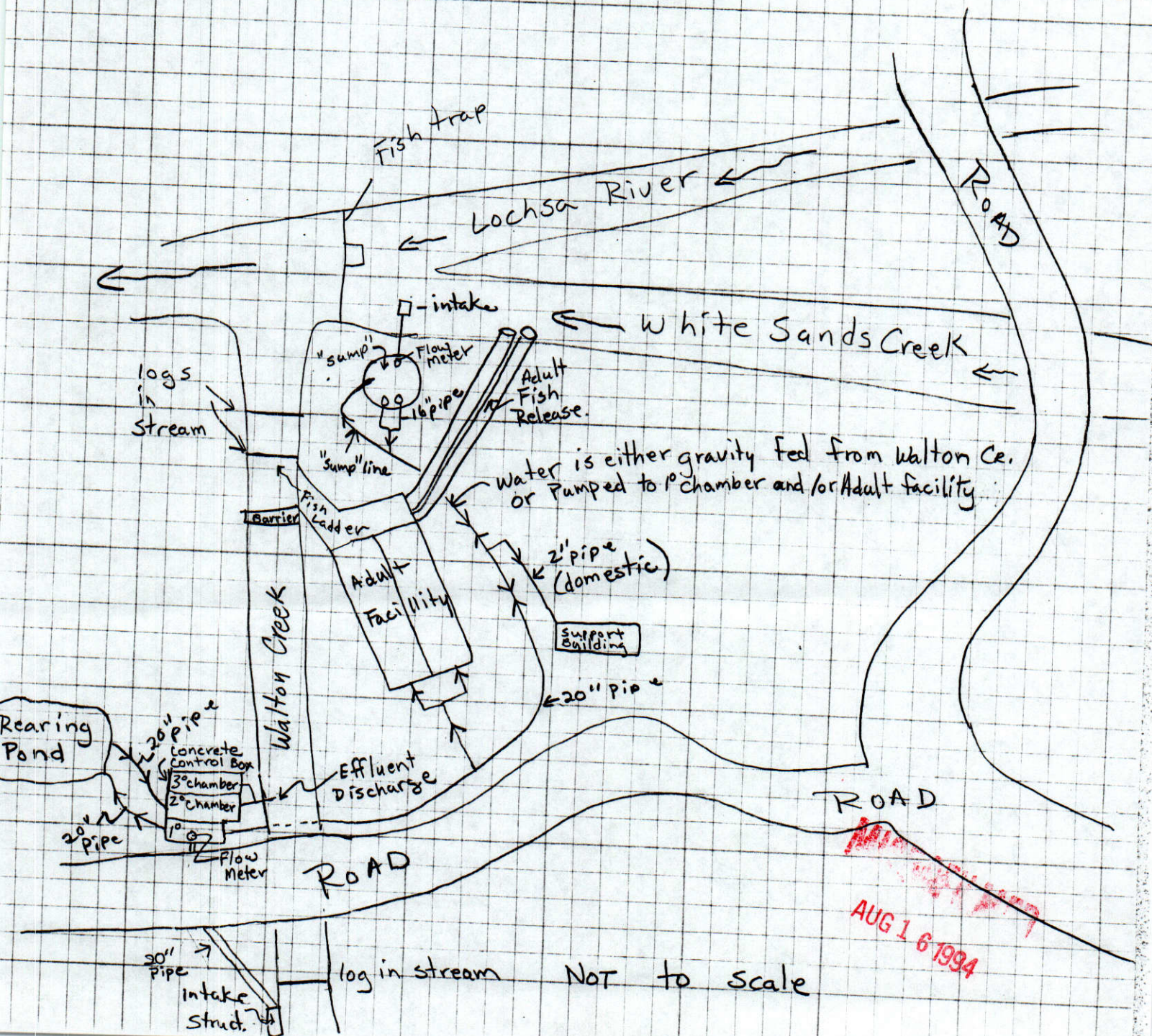
	FISCAL YEAR CALENDAR YEAR	1986				1987				1988				1989				1990				1991			
		1986	1986	1986	1986	1987	1987	1987	1987	1988	1988	1988	1988	1989	1989	1989	1989	1990	1990	1990	1990	1991	1991	1991	1991
DESIGN MEMORANDUM 18.1: POWELL SATELLITE FACILITY		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
PLANS AND SPECIFICATIONS:																									
ADVERTISE FOR BIDS																									
CONSTRUCTION																									
POWELL ADULT FACILITY																									
POWELL REARING FACILITY																									
OPERATION CYCLE																									
TRAPPING																									
HOLDING																									
SPAWNING																									
ACCLIMATION POND																									
OUTDOOR REARING OPTIONS																									
SMOLT RELEASE OPTIONS																									

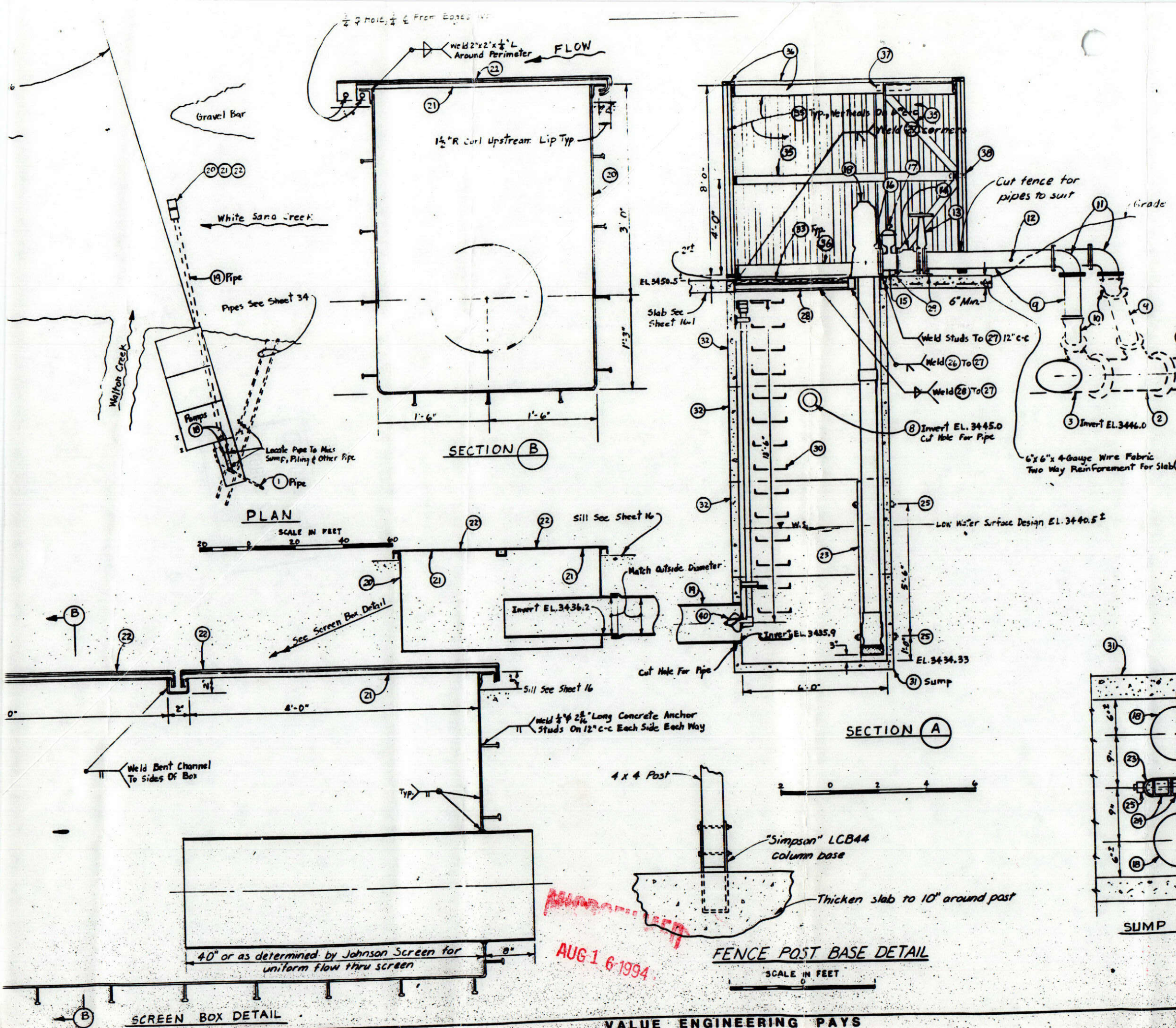
INDEX TO DRAWINGS

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SN-05-49/3	INTAKE STRUCTURE TO ADULT FACILITY AND REARING POND PROFILES
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SN-05-49/14	SUPPORT BUILDING MECHANICAL AND ELECTRICAL
SN-05-49/15	ELECTRICAL, TELEPHONE AND LIGHTING SITE PLAN, ONE-LINES AND PANELBOARDS
SN-05-49/16	PLAN OF EXPLORATIONS
SN-05-49/17	LOG OF EXPLORATIONS

J-U-B ENGINEERS, INC. KENNEWICK, WASHINGTON		U.S. ARMY ENGINEER DISTRICT WALLA WALLA, WASHINGTON	
DESIGNER: <i>[Signature]</i>		PROJECT: LOWER SNAKE RIVER FISH AND WILDLIFE COMPENSATION PLAN	
DRAWN: <i>[Signature]</i>		CLEARWATER HATCHERY SATELLITE FACILITIES	
CHECKED: <i>[Signature]</i>		LOCHSA RIVER AT POWELL	
SUBMITTED: <i>[Signature]</i>		VICINITY, LOCATION AND INDEX	
REVISION:	DATE:	APPROVED:	DATE:
CHECKED:	DATE:	SCALE AS SHOWN:	INV. NO.:
RECOMMENDED:	DATE:	SHEET:	FILE NO.:
DATE: ENGINEERING DIVISION		SN-05-49/1	

Powell Fish Facility





13	2	8" Knife Gate Valve, Handwheel Operated & Mating Flange To Suit	Comm	MSS SP-81	Fabri- Valve C37L
14	2	8" Silent Check Valve, Flanged Glass	Cast Iron		Clow style 436
15	2	8" x 2" Fabricated Tee, Flanged To Suit (14), Grooved To Suit (16), Threaded To Suit (17)	Steel	ANMA C-200	
16	2	8" Victaulic Flange Adapter Class	Comm		Victaulic Style 741
17	2	2" Air & Vacuum Valve With Street Elbow Inlet & Outlet And Piping To Suit	Comm		APCO Model 144
18	2	Vertical Turbine, Line Shaft Pump 700gpm 325Ft. Total Head, 1760 r.p.m., 8" Column And Aboveground Discharge, Suction Strainer, & 7.5 Horsepower Electric Motor Drive	Comm		Pierless 10MA Impeller No. T2624288 Single Stage
19	100 Ft.	18" Pipe, Gravity Sewer Type		ASTM F679	Certain Tool
20	1	Fabricated Screen Box From 10ga. Metal Coordinate with screen (21) design	Stainless Steel	304	See Details This Sheet.
21	2	Surface Intake Screen Panel, 0.125" Slots, Uniform Flow, 0.25 Feet Per Second Thru Slots, Removable, Flanges 4 Lips To Suit (20) & (22)	Stainless Steel	304	Johnson Screen Design & Fabricated Vee-Wire, 1400 gpm Flow
22	2	Fabricated Lid For (20) & (21) From 10ga. Sheet, 1 1/2" Flanged Sides & Curled Upstream Lip	Stainless Steel	304	
23	1	3" Round Tube, 1/2" Wall, Cut In Half, 7'-6" Long	Fiberglass		MMFG Extren
24	2	3" Square Tube, 1/2" Wall, 7'-6" Long	Fiberglass		MMFG Extren
25	2	1" Threaded Rod And 4 Nuts, 1'-9" Long	Fiberglass		MMFG Extren Fibre bolt
26	1	6" x 4" x 1/2" Wall Structural Tubing 2'-6" Long	Steel	ASTM A500	Paint System 21
27	1	Fabricated Frame From 6x4x 3/8" L For 2'-6" x 6'-0" Opening, 1/2" x 3/8" studs	Steel	ASTM A36	Paint System 21
28	2	2"x2"x 1/2" L, 4'-7" Long Plank Support	Steel	ASTM A36	Paint System 21
29	4	3"x3"x 3/8" L, 1'-4" Long; Drill For Flange Bolts & Anchor Bolts	Steel	ASTM A36	Paint System 21
30	15	3/4" Embedded Ladder Rungs	Steel		
31	1	Precast Sump 2'-6" x 6'-0" x 3'-8" Inside Modify To Suit	Concrete		Utility Vault No. 88A-T w/solid Bottom
32	3	Precast Sump Extension 4'-0" High Modify To Suit	Concrete		Utility Vault No. 88A-T
33	7	2x8 C & BTR MG SIZE, 2'-5" long			Western Red Cedar (Kiln dried)
34	5	4x4 C & BTR MG Rough, 8'-0" long			
35	700 Ft.	2x4 C & BTR MG SIZE, cut to suit			
36	70 Ft.	2x6 C & BTR MG SIZE, cut to suit			
37	2	Stop Hinges, w/screws To Suit	Steel		AIMSCO 2423-H
38	1	Heavy Duty Nasp Set	Steel		AIMSCO Model 825
39	1	Reinforced Concrete Slab			
40	1	18" Waterworks Intake Meter, 400 to 4400 gpm Range, Standard Readout	Comm.		Sparling FM M2-18-6-T-1

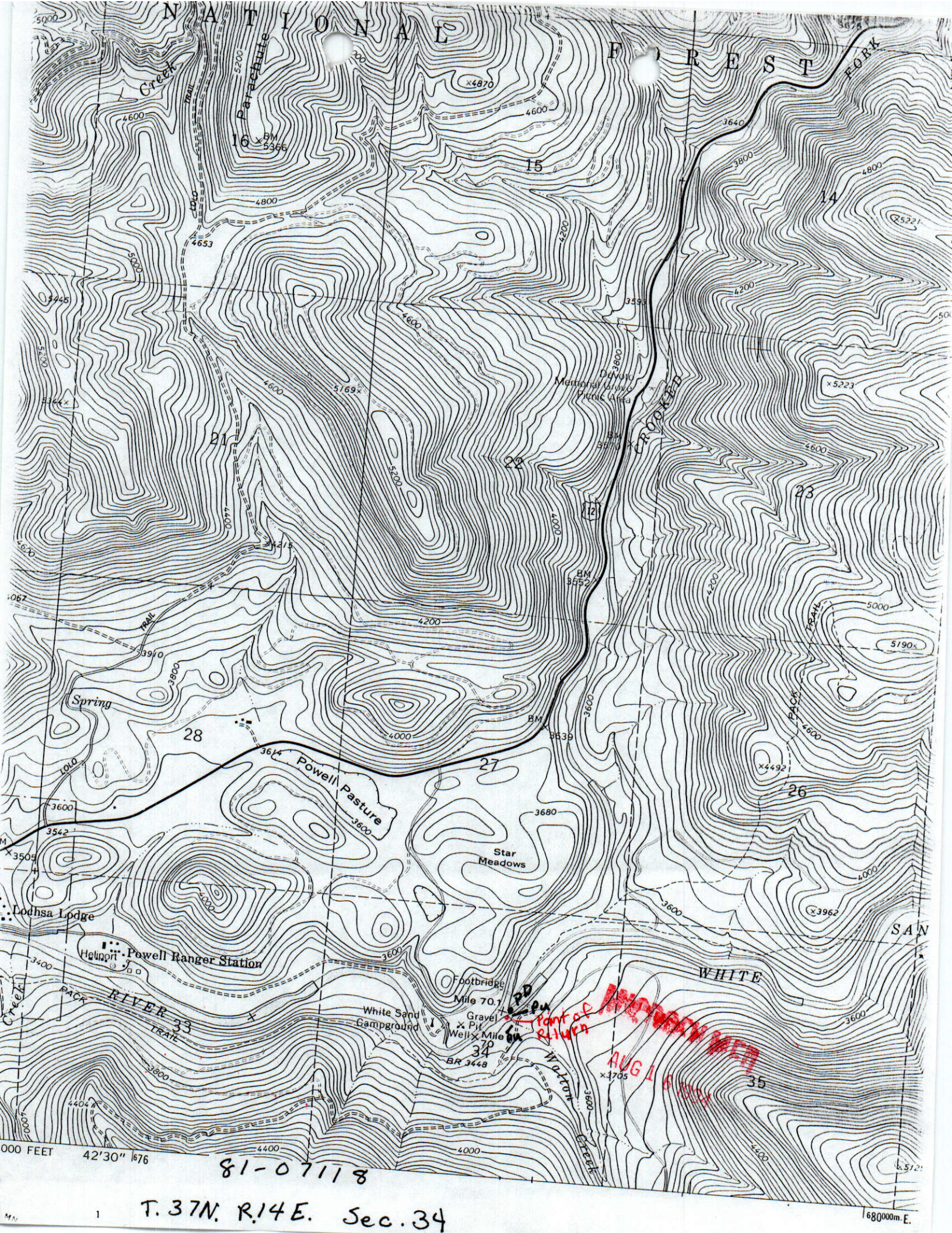
Notes:
1. Manufacturer Names And Numbers Does Not Exclude An Approved Equal

U.S. ARMY ENGINEER DISTRICT
WALLA WALLA, WASHINGTON

LOWER SNAKE RIVER FISH AND
WILDLIFE COMPENSATION PLAN
CLEARWATER HATCHERY SATELLITE FACILITIES
LOCHSA RIVER AT POWELL

AUXILIARY WATER SUPPLY SYSTEM
MECHANICAL PLAN AND SECTIONS

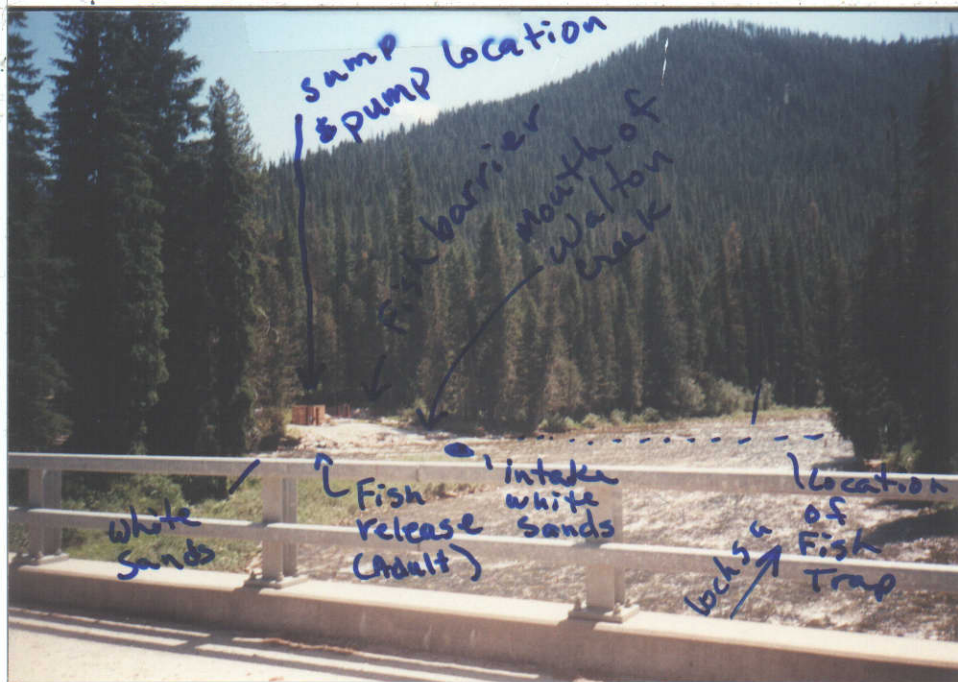
SCALE AS SHOWN INV. NO. 88-C-18
48 LSH-1-3-29/4



81-07118

T.37N. R.14E. Sec.34

1680000m. E.



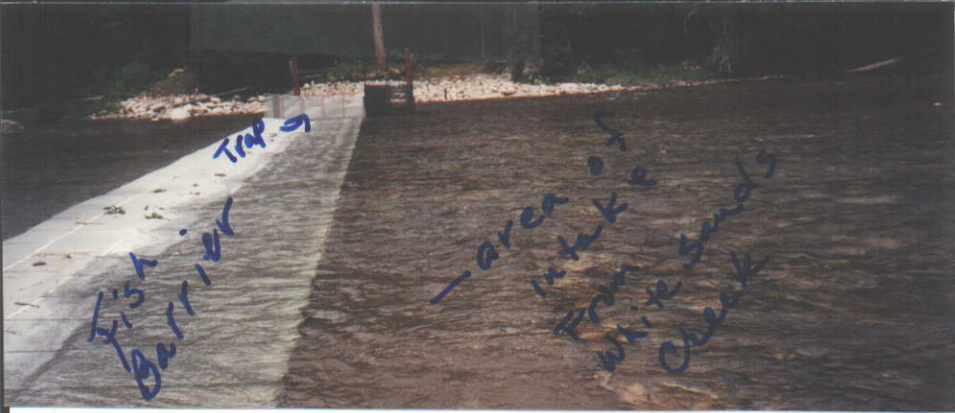
SUMP

Flow meter

To Pump

From

From



Fish
Barrier

Trap 9

— area of
intake
from
white sands
creek

"Sump"

Flow
meter

→
From
White Sands
Creek





State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 81-07118

Priority: December 7, 1987

Maximum Diversion Rate: 2.67 CFS

Maximum Diversion Volume: 1933.0 AF

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 December 7, 1987; and has submitted Proof of Beneficial Use on May 11, 1990. An examination indicates that the works have a diversion capacity of 2.670 cfs of water from:

WHITE SANDS CREEK

tributary to LOCHSA 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	01/01 to 12/31	2.67 CFS	1933.0 AF

LOCATION OF POINT(S) OF DIVERSION:

NESWNE , Sec. 34, Township 37N, Range 14E
IDAHO County

PLACE OF USE: FISH PROPAGATION

TWN RGE SEC

37N 14E 34

SWNE

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Measuring devices of a type approved by this Department shall be maintained at the point of diversion and point of effluent discharge.
6. The issuance of this right in no way grants any right-of-way or easement across the land of another.
7. Water used under this right if discharged into a natural channel shall meet Idaho Water Quality Standards.

AUG 16 1994

State of Idaho
Department of Water Resources

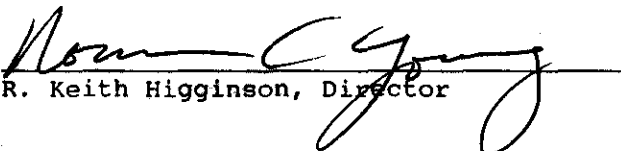
WATER RIGHT LICENSE

WATER RIGHT NO. 81-07118

CONDITIONS/REMARKS:

8. The right holder shall be required to provide the Department, upon request, information showing volume changes per hour necessary to maintain an adequate environment for the fish propagation facility. Volume changes per hour shall be based upon actual fish production.
9. Use of water under this right is subject to policies set forth in the State of Idaho Water Plan, including Policy No. 5G.
10. Use of water under this right shall be non-consumptive.
11. The total combined rate of diversion under this right and Right 81-07119 shall not exceed 6.24 cfs nor a combined volume of 4517.6 af.
12. The facility volume is 45,200 cubic feet.

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 29TH day of APRIL, 1994.

Acting for  R. Keith Higginson, Director

AUG 16 1994

Form 217
03/86

For Office Use Only
Fee Received 150.00
Date 5-11-90
Receipt # CG16798
Receipt by [Signature]
Reviewed by [Signature]
Sent to region [Signature]

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has 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 or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 81-07118

Name(s) of Permit Holder: Idaho Department of Fish and Game

Post Office Address: P. O. Box 25, Boise, ID 83707

Telephone No. 334-3730

Source of Water: White Sands Creek

Extent of Use:

Domestic _____ (number of households) Stockwater _____ (number and type of stock)

Irrigation _____ (acres) Other/Remark fish propagation

Total rate and/or volume for which proof is submitted 3.0 cfs _____ acre-feet

Show the date water was first diverted and beneficially used under this permit: August 1, 1989

Measuring Device: Required? ☒ Yes ☐ No
Installed? ☒ Yes ☐ No
Fee enclosed \$ 150.00
(See License Examination Fee Schedule)

Flow Measurement Port: Required? ☐ Yes ☐ No
Installed? ☐ Yes ☐ No

Person to contact to accompany the Department representative during the field examination:

Jerry McGeehee 935-2112
(Name) (Telephone Number)

Route 2, Box 121A, Kamiah, ID 83536
(Address)

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.

MICROFILMED

5/9/90
Date

[Signature] Engineering Supervisor JUN 28 1990
Signature of Permit Holder (and title, if appropriate)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 81-9118

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant State of Idaho, Dept. of Fish and Game Phone 334-3730

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

2. Source of water supply White Sands Creek which is a tributary of Lochsa River

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

Sec. 34 Township 37 N Range 14 E B.M. Idaho County; additional

points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 3.0 cfs for fish cultural purposes from Jan. 1 to Dec. 31 (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) 3.0 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. thalweg level screened intake,
18-inch diam. supply pipe and vertical turbine pump to elevate to juvenile rearing
pond.

b. Height of storage dam N/A 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 N/A 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 for beneficial use is
2 years (minimum 1 year).

RECORDED

OCT 13 1988

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. this water will be used as emergency supply to the primary Walton Creek source during low flow years. Up to 300,000 Spring Chinook Salmon fingerlings will be reared and up to 1,000 adults will be held and spawned.

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	
37 N	14 E	34			H														

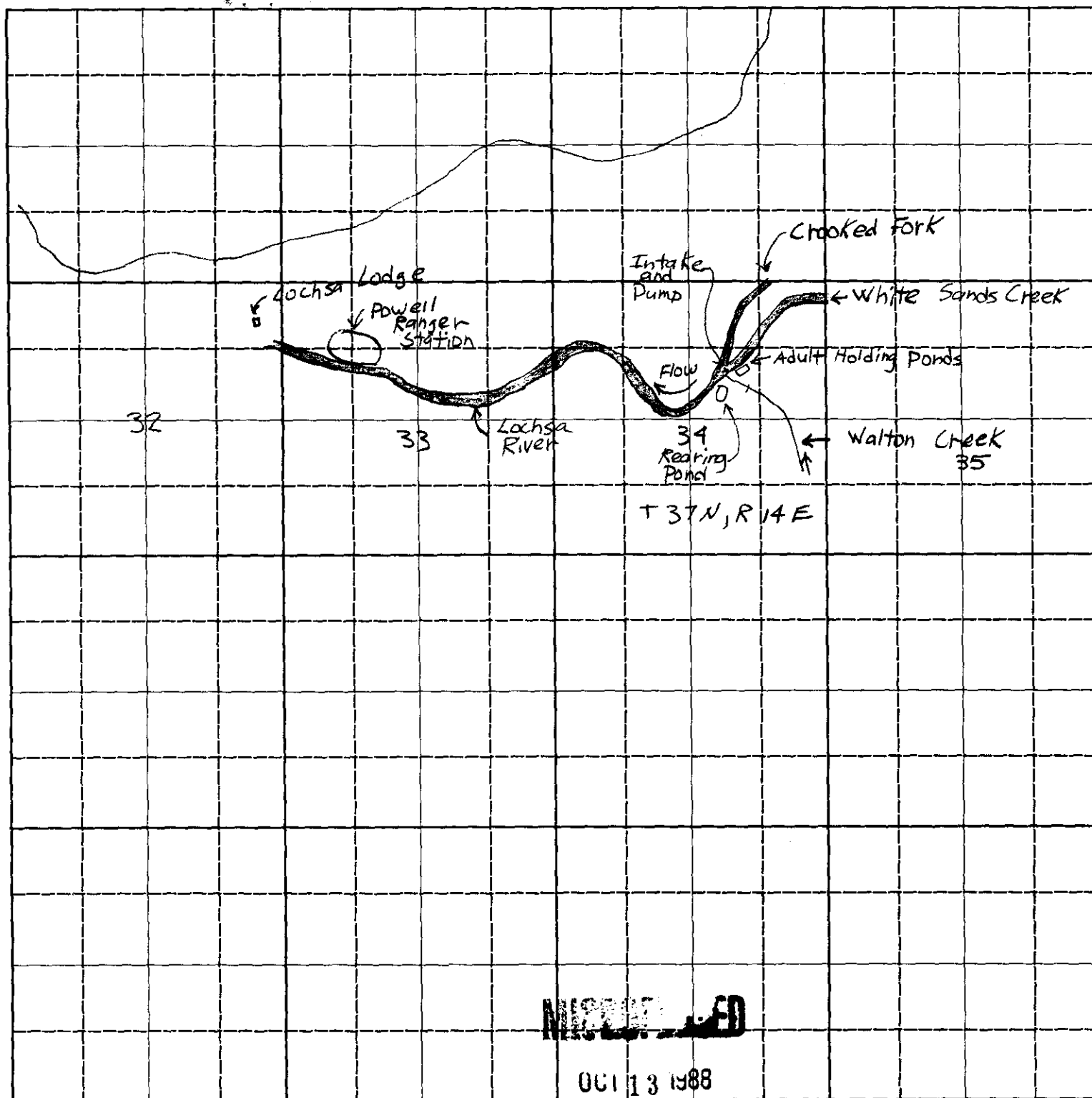
Total number of acres to be irrigated _____

- Describe any other water rights used for the same purposes as described above. We are presently applying for 7.0 cfs from Walton Creek as the primary water source.
- Who owns the property at the point of diversion? U. S. Forest Service
 - Who owns the land to be irrigated or place of use? U. S. Forest Service
 - If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. A Special Use Permit from the U. S. Forest Service has been approved and is on file.

12. Remarks: _____

OCT 13 1988

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



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.

[Signature] for I.D.F.G.
(Applicant)
Engineer Supervisor

Proposed Priority 12/7/87
Received by [Signature] Date 12/7/87 Time 3:44 PM Preliminary check by TR
Fee \$ 150.00 Received by [Signature] # 41887 Date 1/4/88
Publication prepared by [Signature] Date 1/14/88 Published in Idaho State Journal
Publication approved [Signature] Date 2/1/88
OCT 13 1988

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. 81-7118, and said application is hereby APPROVED.

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 July 1, 19 90.

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: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

The issuance of this permit in no way grants any right-of-way or easement across the land of another.

Measuring devices of a type approved by the Department shall be permanently installed and maintained at the point of diversion and the point of effluent discharge.

Assignment or sale of this permit is subject to a determination by the Department that the permit holder has proceeded to develop the permit with due diligence and without speculation.

Water used under this permit if discharged into a natural channel shall meet Idaho Water Quality Standards.

Use of water under this permit shall be non-consumptive.

The permit holder shall be required to provide the Department, upon request, information showing volume changes per hour necessary to maintain an adequate environment for the fish propagation facility. Volume changes per hour shall be based upon actual fish production.

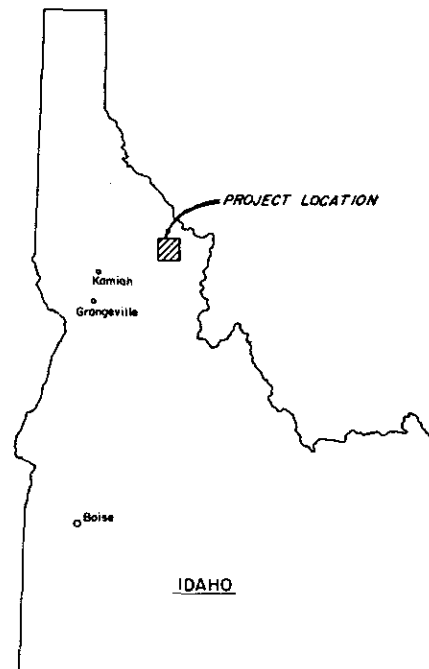
Use of water under this right is subject to policies set forth in the State of Idaho Water Plan, including Policy No. 5G.

Witness my hand this 8th day of July, 1988.

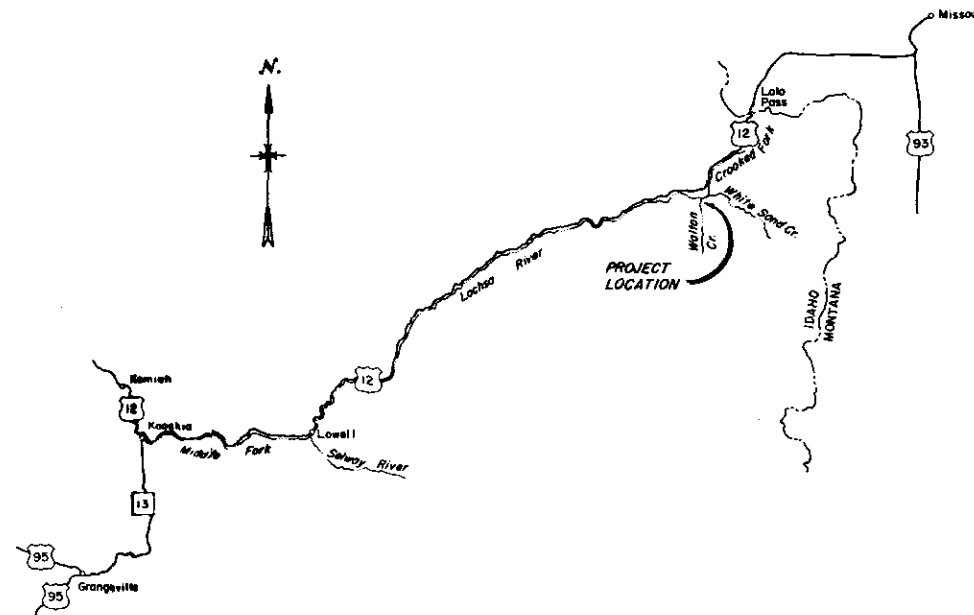
RECEIVED

OCT 13 1988

[Signature]
Director



LOCATION MAP



VICINITY MAP

LOWER SNAKE RIVER FISH AND WILDLIFE COMPENSATION PLAN
CLEARWATER HATCHERY SATELLITE FACILITIES
LOCHSA RIVER AT POWELL

POWELL SATELLITE FACILITY
CONSTRUCTION AND OPERATION SCHEDULE

FISCAL YEAR	1986	1987	1988	1989	1990	1991
CALENDAR YEAR	1986	1987	1988	1989	1990	1991
DESIGN MEMORANDUM 18.1: POWELL SATELLITE FACILITY	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D
PLANS AND SPECIFICATIONS:						
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CONSTRUCTION						
POWELL ADULT FACILITY						
POWELL REARING FACILITY						
OPERATION CYCLE						
TRAPPING						
HOLDING						
SPAWNING						
ACCLIMATION POND						
OUTDOOR REARING OPTIONS						
SMOLT RELEASE OPTIONS						

VALUE ENGINEERING PAYS

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J-U-B ENGINEERS, INC. KENNEWICK, WASHINGTON		U.S. ARMY ENGINEER DISTRICT WALLA WALLA, WASHINGTON	
REVISION: <i>[Signature]</i>		SUBMITTER: <i>[Signature]</i>	
DRAWN: <i>[Signature]</i>		CHECKED: <i>[Signature]</i>	
DATE: <i>[Signature]</i>		DATE: <i>[Signature]</i>	
LOWER SNAKE RIVER FISH AND WILDLIFE COMPENSATION PLAN CLEARWATER HATCHERY SATELLITE FACILITIES LOCHSA RIVER AT POWELL VICINITY, LOCATION AND INDEX			
REVIEWED:	DATE:	APPROVED:	DATE:
CHECKED:	DATE:	SCALE AS SHOWN	INV. NO.
RECOMMENDED:	DATE:	FILE NO.	SN-05-49/1
CHIEF, ENGINEERING DIVISION	DATE:	SHEET	1

DM - 18.1

PLATE 1



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

May 2, 1994

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

RE: WATER RIGHT NO. 81-07118

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 a horizontal line.

JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosure

RECEIVED

AUG 16 1994

WR0749NP
No. L81-07118

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 04/04/94
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) 334-3730	12/07/1987	FISH PROPAGATION	01-01 12-31	2.67 CFS	1933.00 AFA
TOTAL DIVERSION:					2.67 CFS	1933.00 AFA

Water Source: WHITE SANDS CREEK

Tributary to: LOCHSA RIVER

Stage: LICENSE

Point(s) of Diversion Capacity: 2.67 CFS

Point(s) of Diversion: T37N R14E S34 NESWNE IDAHO County

Place of use Legal Description for: FISH PROPAGATION

				NE				NW				SW				SE				
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
37N	14E	34	:			F														:

Pou County: IDAHO

Other Rights: 81-7119.

Conditions of Approval:

- R03 - Measuring devices of a type approved by this Department shall be maintained at the point of diversion and point of effluent discharge.
- 004 - The issuance of this right in no way grants any right-of-way or easement across the land of another.
- 090 - Water used under this right if discharged into a natural channel shall meet Idaho Water Quality Standards.
- 042 - The right holder shall be required to provide the Department, upon request, information showing volume changes per hour necessary to maintain an adequate environment for the fish propagation facility. Volume changes per hour shall be based upon actual fish production.
- R41 - Use of water under this right is subject to policies set forth in the State of Idaho Water Plan, including Policy No. 5G.
- 027 - Use of water under this right shall be non-consumptive.

Remarks: The total combined rate of diversion under this right and Right 81-07119 shall not exceed 6.24 cfs nor a combined volume of 4517.6 af.
The facility volume is 45,200 cubic feet.

Dates:	App. Received:	12/07/1987	Priority Date:	12/07/1987
	Proof Due Date:	07/01/1990	Proof Made Date:	05/11/1990
	Exam Made Date:	08/06/1991	Exam Sent to S.O.:	07/17/1992
	Licensed Date:			

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

LICENSE REVIEW CHECKLIST

PERMIT NO 81-7118 DATE 3-30-94



	Yes	No	
NAME	<u> </u>	<u> ✓ </u>	Or Address Change? <u> </u>
PRIORITY DATE	<u> </u>	<u> ✓ </u>	Advance? <u> </u> Advanced to: <u> </u> Order to reinstate needed? <u> </u> Incorrect fee for rate recommended? <u>NO</u>
SOURCE	<u> </u>	<u> ✓ </u>	Changes or just clarification of originally intended source? <u> </u> Notice of Intent to Void necessary? <u> </u>
POINT OF DIV	<u> </u>	<u> ✓ </u>	Amendment needed? <u> </u> Overlaps? <u> </u>
PLACE OF USE	<u> ✓ </u>	<u> ✓ </u>	Amendment needed? <u> </u> Overlaps? <u>81-7119</u>
DIV RATE	<u> ✓ </u>	<u> </u>	Measurement done? <u>YES</u> Theoretical only? <u> </u> <u>With Micrometer Q = 1200 gpm or 2.67 CFS</u> <u>ALLOWABLE</u> Capacity: <u>2.67</u> Combined rates exceed capacity <u>YES</u> Allowable amount: <u> </u>
ANNUAL VOLUME	<u> </u>	<u> ✓ </u>	Season of use: <u>1-1 to 12-31</u> Calculations: <u>Volume of ponds + raceways 45,200</u> <u>cubic ft</u> Flow limit: <u>2.67</u> x <u>365</u> cfs x 1.9835 = <u>1933</u> Combined volumes exceed capacity/allowable <u>YES</u>
USES	<u> </u>	<u> ✓ </u>	Change(s) in Nature of Use? <u> </u> Amendment necessary? <u> </u>
REMARKS	<u>W26</u>	<u> ✓ </u>	Multiple p/d(s) in <u>1/4</u> <u>1/4</u> ? <u> </u> Other <u>81-07119 / MAX OF 16.24 CFS x 4517.6</u>
CONDITIONS	<u>R03</u>	<u> </u>	Measuring/Locking Devices <u> </u> <u> </u> <u> ✓ </u> Watermaster control - District <u> </u> <u> </u> <u> ✓ </u> Irrigation Overlap <u> </u> <u>Q9D</u> <u> </u> Water Quality <u> </u> <u> ✓ </u> <u> </u> Other <u>004, R41, 027, 042</u>

COMMENTS: FACILITY VOLUME 45,200 cubic ft
NOTE: This is the secondary source of water for this facility.
utilized as a back-up system only.

RECOMMENDED	CFS	VOLUME	LICENSE <u> ✓ </u>
<u>FISH PROPAGATION</u>	<u>2.67</u>	<u>1933</u>	
<u> </u>	<u> </u>	<u> </u>	1ST AMENDMENT LETTER <u> </u>
<u> </u>	<u> </u>	<u> </u>	FINAL AMENDMENT LETTER <u> </u>



FISH PROPAGATION CALCULATIONS

FILE: 87-07118
DATE: March 31, 1994

REVIEWER: Brenda Chapman

INPUT:

Fish Facility Volume
Flow into Facility

45200 cubic feet
2.67 cubic feet per second

CALCULATIONS:

Cubic feet in one hour (cubic feet per second * 3600 seconds per hour) =
Number of times flow will fill the facility in one hour (Facility volume cubic feet/flow cubic feet) =

9612 cubic feet
0.2 times/hour

Find how many changes can occur in one year :

Changes per hour =

One year =

Number of changes per year =

0.2
8760 hours
1863 changes

Find one year diversion volume in acre feet:

1 acre foot =

Facility volume =

Facility volume =

43560 cubic feet
45200 cubic feet
1.038 acre feet

Annual diversion volume =

(Total diversion volume = facility volume * changes)

1933.0 acre feet

AUG 16 1994

Check List
for
Beneficial Use Field Report

Permit 81-07118

A. GENERAL INFORMATION

- ✓ 1. Name and address are most current available. (Check BU statement)
✓ 2. Exam Date
✓ 3. Source (Check Permit)

B. OVERLAP REVIEW

- ✓ 1. & 2. (Rule 5,1,4)

C. SYSTEM DESCRIPTION

- ✓ 1. Diversion System Diagram (Rule 5,1,3 / 5,1,4)
✓ 2. USGS (Rule 5,1,7 / 5,1,9) Aerial (Rule 5,1,17)
Photo of pd and/or pu or explanation
✓ 3. Word Picture (Rule 5,1,3 / 5,1,4)
✓ 4. Diversion (Rule 5,1,3)
✓ 5. Compare with USGS Map/Land Survey Maps/Aerial Photos/Permit.
Government Lot ?
Method of determination
✓ 6. Compare USGS/Land Survey? Aerial Photos/Permit.
Method of determination,
Irrigation (Rule 5,1,8),

✓ **D. FLOW MEASUREMENTS** Check math (Rule 5,1,13 / 5,1,14)

✓ **E. FLOW CALCULATIONS** Check math (Rule 5,1,13 / 5,1,14)

✓ **F. OPTIONAL**

✓ **G. VOLUME CALCULATIONS**

- Three significant figures/not less than 0.10 (Rule 6,1,2)
Fish (Rule 5,1,11) number stock, homes, etc... (Rule 5,1,12)

✓ **H. REMARKS AND OVERLAP ANALYSES**

- ✓ All actual uses listed (Rule 5,1,2):
✓ All unused, permitted uses listed (Rule 5,1,2):
✓ Overlaps (Rule 5,1,4):
✓ Return flows (Rule 5,1,5):
✓ Conditions (Rule 5,1,6).

✓ **I. RECOMMENDATIONS**

- ✓ 1. Municipal (Rule 5,1,10): Compare with items E & G, permit, fee, capacity
(Rule 5,1,15): Measured flows for each use listed separately (Rule 5,1,14).
Period of year (Rule 5,1,13)
✓ 2. Compare permit to exam for amendments (Rule 5,1,16)

✓ **J. AUTHENTICATION**

Name, Signature, Certification Date, Exam Date.

✓ **WELL INSPECTION REPORT**

Check with permit and well log for discrepancies

RECEIVED
JUL 27 1992

Department of Water Resources

Signature Tom D. King Date 11/27/91
Tom D. King Sr. Water Resource Agent

January 10, 1992

Idaho Dept. of Fish and Game
PO BOX 25
BOISE ID 83707

RE: Water Rights for Powell Facility

Dear Sirs:

The two Water Rights (Numbers 81-07118 and 81-07119), which you have filed for your Fish Rearing Facility at Powell do not include any provisions for Domestic use. Since you are using surface water for domestic purposes, it is necessary for you to obtain an additional Water Right to cover that use. I have enclosed a Water Right Application which is partially filled out. Please complete the Application and return it to our Coeur d'Alene office. If you have any questions, please feel free to contact our Senior Water Resource Agent Tom King.

Sincerely,

Theresa J. Bright
Field Examiner

c: Jerry Mc Gehee

PAID
AUG 16 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 81-07118

1. Owner: State of Idaho, Dept. of Fish & Game Phone No. 334-3730
Current Address: P.O. Box 25 Boise, ID 83707

2. Accompanied by: Jerry McGeehee EXAM. DATE: 8/6/91

Address: ~~RT 2~~ RT 2 Box 121 Kamiah ID 83536 Phone No. 935-2112

Relationship to Permit Holder: _____

3. Source: White Sands Creek tributary to Lochsa River

B. OVERLAP REVIEW

1. Other water rights with same place of use: 81-7119

☐ Copies Attached

2. Other water rights with same point of diversion: None

☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☒ Alternative diagram attached

Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

☒ Photo of Diversion and System Attached

(required for all but single household domestic groundwater, and stockwater.

☐ Aerial Photo Attached N/A
(required for irrigation of 10 acres or more).

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AUG 16 1994

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

See attached

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
<i>Gravity</i>					

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	—	NE	SW	NE	34	37N	14E	Idaho	<i>Map</i>

6. **Place(s) of Use:**

Indicate Method of Determination *Map*

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
<i>37N</i>	<i>14E</i>	<i>34</i>			<i>H</i>														

Do not use this space

AUG 16 1994

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Micrometer						

2. Measurements:

1,200 gpm

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

1,200 gpm $\approx$ 2.67 cfs

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3); Flow rate: _____ cfs (4)

Water HP: (3) x (4) $\div$ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Non-Consumptive use

total volume of Ponds & Raceways = 45200 cubic feet or 1.04 af
@ 3.67 cfs $\approx$ 5 changes per day or ~~2179~~ 1933.0

(2.67 x 365 x 1.9835 = ~~2179~~ 1933.0 af)

AUG 16 1994

H. REMARKS AND OVERLAP REVIEW ANALYSIS

This system also ~~provides~~ provides domestic water supply which is not permitted.

~~The~~ Water use cannot exceed ^{6.24} ~~3.24~~ cfs when combined with 81-07119, (

RETURN FLOW WITHIN SWNE, SEC. 34, T37N, R14E - TDK

NOTE: RULE 5, 1, 11 2.67 cfs (360³/H) = 9612 CFH, 45,200 CF TOTAL V OF PROJECT
45200 CF = 4.7 HRS TO EXCHANGE WATER UNDER THIS RIGHT ∴

(CALCULATION BASED ON MAX. DIV. UNDER THIS RIGHT) - TDK

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Fish Culture	1-1	12-31	2.67	~~2171.9 afa~~ 1933.0 afa 1930 TDK
Totals:			2.67 cfs	~~2171.9 afa~~ 1933.0 afa 1930 TDK

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

J. AUTHENTICATION

Field Examiner's Name

Theresa J. Bright

Signature

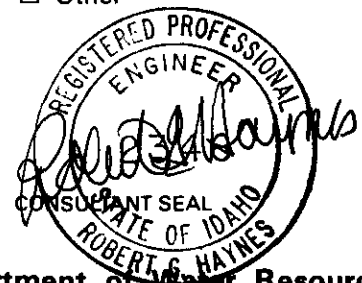
Theresa J. Bright

Certification Date

4/10/91

Field Report Preparation Date

8/13/91



K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

AUG 16 1994

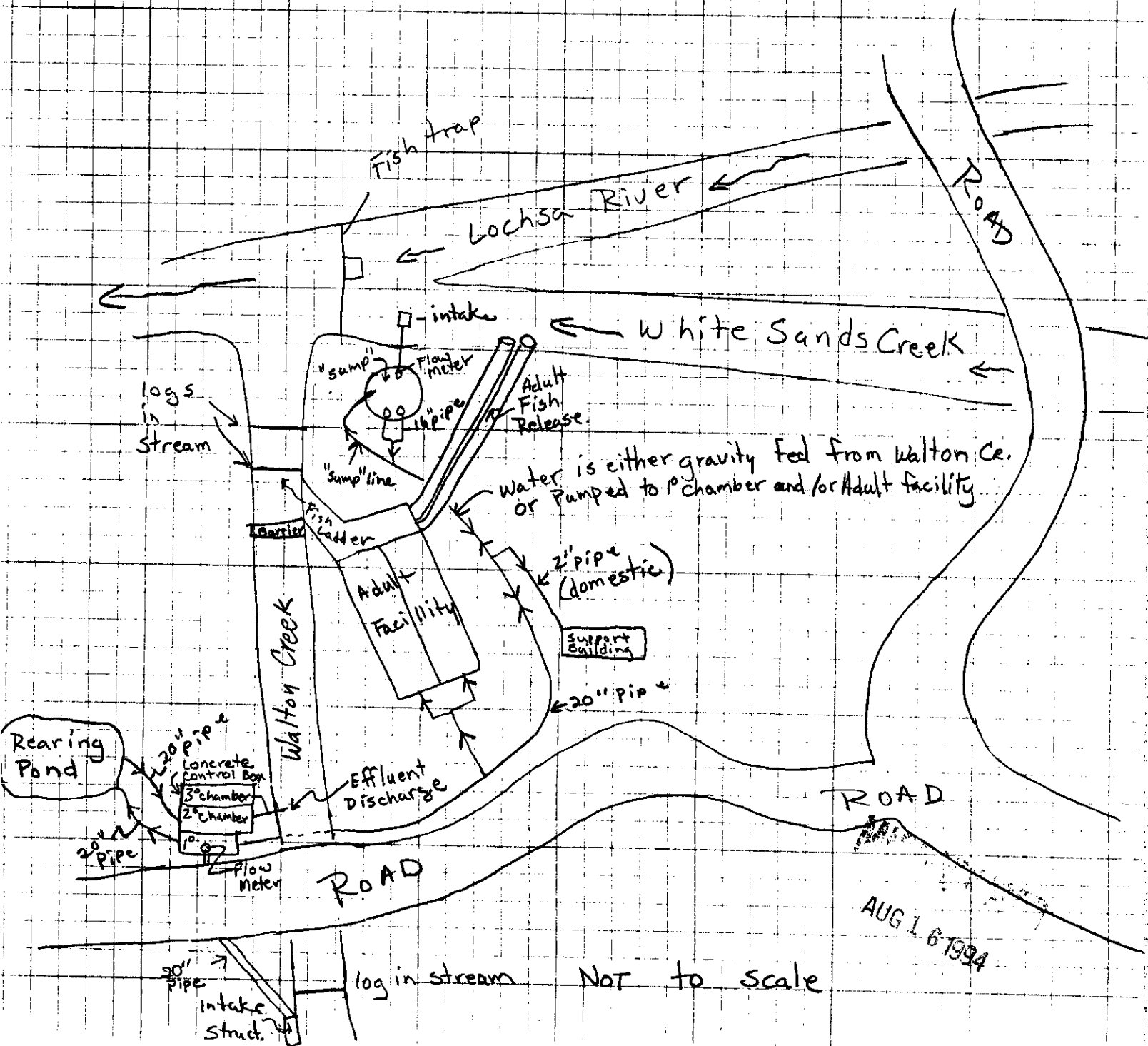
Powell Fish Facility Water System Description

Water from Walton Creek (81-07119) enters a 20 inch pipe through a screened intake structure by way of a butterfly valve. This water is gravity fed into the primary chamber of a concrete control structure, passing a micrometer flow meter as it enters. From this primary chamber water can go three places: 1.) To the rearing pond, 2.) Spill over into the secondary chamber, and 3.) To the "Sump" line. Water that is diverted to the Rearing pond returns to the secondary chamber. Water that enters the secondary chamber either immediately returns to Walton Creek through the effluent line, or overflows into the tertiary chamber and then through the effluent line into Walton Creek. Water that is diverted to the sump line can be further diverted to The Adult Facility with a butterfly valve, or to the Support Building. This line also continues to the sump (which also holds water gravity fed from White Sands Creek). A small amount of water is allowed to continually flow into the sump from Walton Creek to keep the domestic line from becoming fowled.

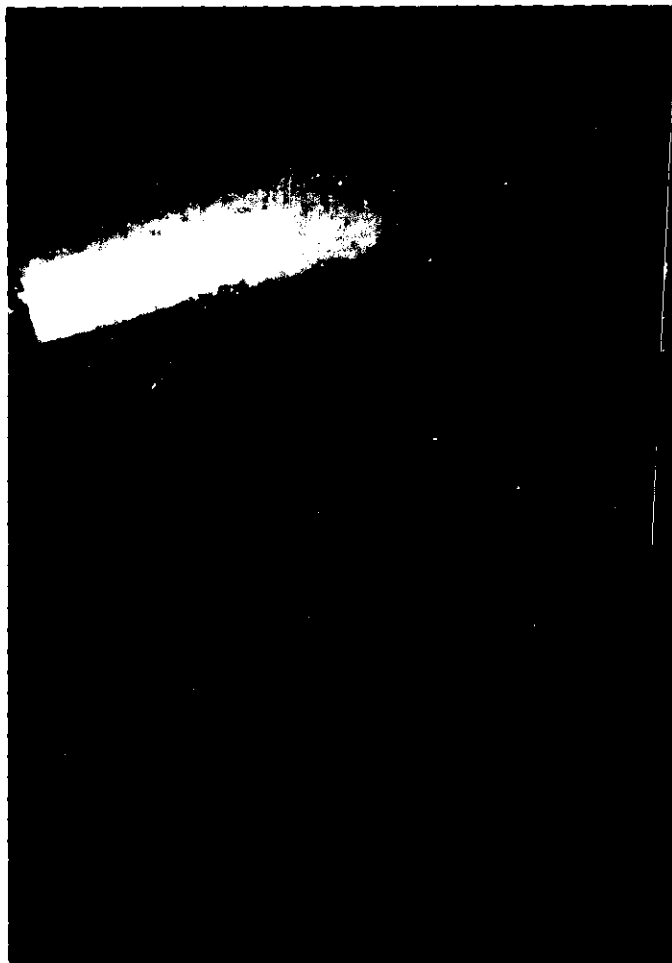
When additional water is needed to supplement the Water from Walton Creek, or if there should be some sort of emergency that would cause the Walton Creek source to be unavailable, water is diverted from White Sands Creek (81-07118). A screened intake lying in White Sands Creek allows water to be gravity fed into a concrete sump, passing a micrometer flow meter as it enters the sump. The sump is eight feet in diameter, 13.5 feet from ground level to the bottom of the flow meter impeller, and 1.26 feet from the bottom of the impeller to the bottom of the sump. Two 7.5 HP pumps pump water from this sump to the adult facility and on to the Support Building and the primary control chamber, if necessary. This is the same pipe line that gravity feeds water from Walton Creek, meaning that water travels different directions in the same pipe, depending on which source is used.

8/17/80
R. 400

Powell Fish Facility



Sample Location
16 Pump





Sump

#600
meter

From

Whit 500

Copet



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
FIELD REPORT SUPPLEMENT

PERMIT # 81-07118
81-07119

P H O T O G R A P H S

↑ Sump
Pumps
↓

PHOTOGRAPH

AUG 16 1994

June 4, 1990

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 837070000

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 81-07118

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 NORTHERN Regional Office in Coeur D' Alene at (208)765-4639.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

MICROFILMED

JUN 28 1990

1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 81-7118

Date: 5-25-90

General Considerations:

- y Name same as permit
y Signature the same as permit holder
y Address change _____ If yes, prepare a data entry
y Proof received timely _____
_____ Reinstated

Source of Water:

- 2 Surface water
1 Groundwater
_____ 1. well log in file
_____ 2. drilling permit
_____ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

- y Rate of diversion appropriate for uses
y Is rate or volume and fee appropriate?
y Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

- y Is a measuring device or access port required?
y Has one been installed?
yes Waiver or modification of measuring device requested

Remarks: Proof acceptable

no Priority Calculation:
Date proof received _____
Date proof due _____ -
No. of days late _____ =
Priority date _____ +
NEW PRIORITY DATE _____ =

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM



IDAHO FISH & GAME

600 South Walnut / Box 25
Boise, Idaho 83707

May 9, 1990

Idaho Department of Water Resources
Statehouse Mail

Gentlemen:

Enclosed are Proof of Beneficial Use forms for Permit Numbers 81-07118
and 81-07119, together with the required fees.

If you have any questions, please give me a call at 334-3730.

Sincerely,

Philip G. Jeppson
Engineering Supervisor
Bureau of Engineering

PGJ:Q

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



Working for wildlife since 1958

MICROFILMED

JUN 28 1990

138704
April 30, 1990

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 837070000

PROOF DUE NOTICE

RE: PERMIT NO. 81-07118

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before July 1, 1990.

(See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Rita Fleck
Secretary/Records Manager

Enclosures

MICROFILMED

JUN 28 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 334-7900
July 15, 1988

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 837070000

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 81-07118

Dear Permit Holder:

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

Please note the requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

Gary Spackman
Supervisor, Water Allocation Section

GS: SC
Enclosures

RECEIVED

OCT 13 1988

PLACE
STAMP
HERE

RECEIVED

RECEIVED
JUN 28 1990

JUN 28 1988



IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

COMMENCEMENT OF WORKS

Permit No. 81-7118 (White Sands Cr.)
Name(s) of Permit Holder(s): Idaho State Dept. of Fish & Game
Post Office Address: Box 25 Boise, Id. 83707
Tel. No. 334-3780

- ☒ I hereby certify that construction of diversion works for the above referenced permit began on May 12, 1988. I understand that I must continue to develop the water system with due diligence to maintain a valid permit.
- ☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

*Note: A financing difficulty is not an acceptable reason.

7/25/88
Date

PO Jones for
Signature of Permit Holder

Id. Fish & Game Dept.

original in 81- 7119



600 South Walnut • Box 25
Boise, Idaho 83707

RECEIVED
MAR 21 1988

Department of Water Resources

March 15, 1988

Mr. Tom King
Northern Region
Idaho Department of Water Resources
4055 Government Way, Rt. 5 Suite 9
Coeur d'Alene, ID 83814

RECEIVED
MAR 1988

Department of Water Resources
Northern District Office

Dear Mr. King:

Attached is the long-awaited copy of the Special Use Permit for our Walton Creek (Powell) Satellite facility. Included in Exhibit "A" are three satellite facilities besides the Powell facility which are also part of the Clearwater Hatchery. We have not filed for the water rights for either of the Crooked River facilities because final design is still ongoing.

Thank you for your patience in this matter.

Sincerely,

Philip G. Jeppson, P. E.
Engineer Supervisor
Bureau of Engineering

PGJ:Q

Encs.

RECEIVED

OCT 13 1988



DEPARTMENT OF THE ARMY
WALLA WALLA DISTRICT, CORPS OF ENGINEERS
BUILDING 602, CITY-COUNTY AIRPORT
WALLA WALLA, WASHINGTON 99362-9265

RECEIVED
MAR 21 1988

Department of Water Resources

March 8, 1988

REPLY TO
ATTENTION OF:

Real Estate Division

Mr. Grant Christiansen

Mr. Robert E. Littlejohn
Forest Engineer
Clearwater National Forest
12730 Highway 12
Orofino, Idaho 83544

RECEIVED
MAR 17 1988

Department of Water Resources
Norman District Office

Dear Mr. Littlejohn:

Enclosed are two executed copies of the Special Use Permit for the construction and operation of the Powell Satellite Fish Hatchery project, signed on behalf of the Corps of Engineers. Please extend our thanks to Mr. Larry Keown, the Powell District Ranger and to Mr. Tom Suk and the others on your staff who have assisted in obtaining this permit authorization.

We look forward to the successful completion of the Powell Satellite which will contribute to attaining our fisheries compensation goals under the Lower Snake River Fish and Wildlife Compensation Plan.

Sincerely,

Richard Carlton
Chief, Real Estate Division

Enclosure

Copy Furnished:

Mr. Grant Christianson
Idaho Fish and Game
P. O. Box 25
Boise, ID 83707

RECEIVED

OCT 13 1988

US Dept. of Agriculture
Forest Service

SPECIAL USE PERMIT

Act of June 4, 1897

This permit is revocable
and nontransferable
(Ref. FSM 2710)

a. Record No. (1-2) <u>70</u>	b. Region (3-4) <u>01</u>	c. Forest (5-6) <u>05</u>
d. District (7-8) <u>06</u>	e. User No. (9-12) <u>0952</u>	f. Kind of Use (13-15) <u>216</u>
g. State 16-17) <u>16</u>	h. County (18-20) <u>049</u>	k. Card no. (21) <u>1</u>

Permission is hereby granted to U.S. ARMY CORPS OF ENGINEERS

of WALLA WALLA DISTRICT, BLDG. 602 CITY COUNTY AIRPORT, WALLA WALLA, WA 99362
hereinafter called the holder, to use subject to the conditions set out
below, the following described lands or improvements:

National Forest Lands located in SW1/4NE1/4, Sec 34, T37N, R14E, B.M.
Latitude 46 30' 30" Longitude 114 40' 42" W.

Exhibit A - Lower Snake River Fish and Wildlife Compensation Plan,
Clearwater Hatchery, Powell Satellite Facility, Tract Description,
Project Map and Construction Plans.

This permit covers 7.77 acres and is issued for the purpose of:

Construction, maintaining and operating a satellite fish hatchery facility.
The permittee is authorized to sublet the facilities through the U.S. Fish
and Wildlife Service to the Idaho Fish and Game for operation and maintenance.
See Exhibit A Design and Construction Plans, General Site Plan for list of
improvements and Exhibit B for additional management stipulations relating
to maintenance and use of access roads and operation of the hatchery.

1. Construction or occupancy and use under this permit shall begin within
9 months, and construction, if any, shall be completed within 24
months, from the date of the permit. This use shall be actually exercised at
least 60 days each year, unless otherwise authorized in writing.

2. RENTAL FEES WAIVED UNDER REGULATION 36 CFR 251.57(c)

Provided, however, Charges for this use may be made or readjusted whenever
necessary to place the charges on a basis commensurate with the value of use
authorized by this permit.

3. This permit is accepted subject to the conditions set forth herein, and to
conditions 18 to 41 attached hereto and made a part of this permit.

HOLDER	Name of holder <u>Richard Carls</u> U.S. ARMY CORPS OF ENGINEERS WALLA WALLA DISTRICT	Signature of Authorized Officer <u>[Signature]</u> Title: Chief, Real Estate Date: <u>3/10/88</u>
	Name and Signature <u>[Signature]</u> FRED L. TREVEY	Title Forest Supervisor Date: <u>3/2/88</u> 2700-4 (7/71)

GPO 926-202

OCT 13 1988

development plans; layout plans; construction, reconstruction, or alteration of improvements; or revision of layout construction plans for this area must be approved in advance and in writing by the Forest Supervisor. Trees or rubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and is marked or otherwise designated that which may be removed or destroyed. Timber cut or destroyed will be paid for by the holder as follows: Merchantable timber at appraised value; young-growth timber below merchantable size at current age appraisal value; provided that the Forest Service reserves the right to dispose of the merchantable timber to whomever than the holder at no stumpage cost to the holder. Trees, shrubs, and other plants may be planted in such manner as in such places about the premises as may be approved by the forest officer in charge.

The holder shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.

This permit is subject to all valid claims.

The holder, in exercising the privileges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.

The holder shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.

The holder shall exercise diligence in protecting from damage the land and property of the United States covered by this permit and used in connection with this permit.

The holder shall fully repair all damage, other than ordinary wear and tear, to National Forest roads and trails used by the holder in the exercise of the privilege granted by this permit.

No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this permit or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.

Upon abandonment, termination, revocation, or cancellation of this permit, the holder shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site.

This permit is not transferable. If the holder through voluntary sale or transfer, or through enforcement of a mortgage, tract, foreclosure, tax sale, or other valid legal proceeding shall cease to be the owner of the physical improvements other than those owned by the United States situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred in either manner provided is qualified as a holder and is willing that his future occupancy of the premises shall be subject to the same conditions and stipulations as existing or prospective circumstances may warrant, his continued occupancy of the premises may be authorized by permit to him if, in the opinion of the issuing officer or his successor, issuance of the permit is desirable and in the public interest.

In case of change of address, the holder shall immediately notify the Forest Supervisor.

The temporary use and occupancy of the premises and improvements herein described may be sublet by the holder to third parties only with the prior written approval of the Forest Supervisor but the holder shall continue to be responsible for compliance with all conditions of this permit by persons to whom such premises may be sublet.

This permit may be terminated by mutual consent of the Regional Forester or the Chief, Forest Service, and District Engineer, U.S. Army Corps of Engineers, Walla Walla District.

In the event of any conflict between any of the preceding printed clauses or any provisions thereof and any of the following clauses or any provisions thereof, the following clauses will control.

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18. RISKS AND HAZARDS: Avalanches, rising waters, high winds, falling limbs or trees, and other hazards are natural phenomena in the Forest that present risks which the holder assumes. The holder has responsibility of inspecting the site, lot, right-of-way, and immediate adjoining area for dangerous trees, hanging limbs, and other evidence of hazardous conditions and, after securing permission from the Forest Service, of removing such hazards.

19. CONSTRUCTION SAFETY: The holder shall carry on all operations in a skillful manner, having due regard for the safety of employees; and shall safeguard with fences, barriers, fills, covers, or other effective devices, pits, cuts, and other excavations which otherwise would unduly imperil the life, safety, or property of other persons.

20. HEALTH, SAFETY AND ENVIRONMENTAL PROTECTION: Holder shall take all measures necessary to protect the health and safety of all persons affected by its activities performed in connection with the construction, operation, maintenance, or termination of the right-of-way, and shall promptly abate as completely as possible any physical or mechanical procedure, activity, event, or condition, existing or occurring at any time: (1) that is susceptible to abatement by the holder, (2) which arises out of, or could adversely affect the construction, operation, maintenance, or termination of all or any part of water diversion, weir and rearing pond, and (3) that causes or threatens to cause: (a) a hazard to the safety of workers or to public health or safety, or (b) serious and irreparable harm or damage to the environment (including but not limited to areas of vegetation or timber, fish or other wildlife populations, or their habitats, or any other natural resource). Holder shall immediately notify the authorized officer of all serious accidents which occur in connection with such activities.

21. AREA MAINTENANCE: The permitted area will be maintained to present a clean, neat, and orderly appearance. Trash, debris, unusable machinery, improvements, etc., will be disposed of currently. Building materials, firewood, etc., will be neatly stacked.

22. REFUSE DISPOSAL: The holder shall dispose of refuse resulting from this use, including waste materials, garbage, and rubbish of all kinds in the following manner:

In accordance with current Idaho County policies or regulations.

23. ELECTRICAL WIRING: All electrical equipment and facilities installed and operated shall conform to the National Electric Code, ~~and the equipment must have been approved by the American Insurance Association.~~

24. FIRE EQUIPMENT: The holder shall install fire extinguishers and firefighting apparatus of types, of capacities, in numbers, and at locations approved by the authorized officer. This equipment shall be in readiness at all times for immediate use, and shall be tested each year, at such times as may be required by the authorized officer.

25. LONG-TERM USE: Unless sooner terminated or revoked by the authorized officer, in accordance with the provisions of the authorization, this authorization shall expire and become void on December 31, 2018, but a new special-use authorization to occupy and use the same National Forest System land may be granted provided the holder will comply with the then-existing laws and regulations governing the occupancy and use of National Forest lands and shall have notified the authorized officer not less than one (1) year prior to said date that such new authorization is desired.

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26. PERIODIC REVISION: The terms and conditions of this authorization shall be subject to revision in the years 1993, 1998, 2003, 2008, and 2013 to reflect changing times and conditions.

27. PERFORMANCE BY HOLDER, SUCCESSORS OR ASSIGNS: Notwithstanding the expiration or any renewal of this permit or its earlier relinquishment, abandonment, or other termination, the provisions of this permit, to the extent applicable, shall continue in effect and shall be binding on the holder, successors, or assigns, until they have fully performed their respective obligations and liabilities accruing before or on account of the expiration, or prior termination, of the permit.

28. SUBLEASING, REQUIREMENTS: The holder, in the exercise of the privileges granted by this permit, shall require that employees, sublessees, contractors, subcontractors, or renters and their employees comply with all applicable conditions of this permit and that the conditions of this permit be made a part of all subleases, contracts, subcontracts, or rental agreements. This clause shall not be construed as authorizing such subleases, contracts, subcontracts, or rental agreements unless specifically authorized elsewhere in the permit.

29. NONEXCLUSIVE USE: This permit is not exclusive; that is, the Forest Service reserves the right to use or permit others to use any part of the permitted area for any purpose, provided such use does not interfere with the rights and privileges hereby authorized.

30. WATER RIGHTS: This permit confers no right to the use of water by the holder.

31. SITE PLAN: The holder shall prepare site plans to show the location of all buildings, service areas, roads, and structures. Such plan shall be on a scale of 1" = 50 feet with 2 foot contour intervals. The holder is encouraged to consult with the authorized officer during the preparation of the site plan to ensure that it is adequate and to gain multiple-use compliance. No construction shall be undertaken by the holder prior to site plan approval.

32. SITE GRADING PLANS: The holder shall prepare grading plans, profiles and cross-sections to show precise elevations, excavations, and other details related to the installation of buildings, structures, or improvements on the permitted-use area. Such plans shall include provisions for drainage, retaining structures, seeding, and planting, to be made for the prevention and control of erosion on the permitted area and the National Forest lands adjacent to the permitted area, insofar as the latter may be influenced by the permitted use.

33. SITE PLANTING PLANS: The holder shall submit plans to reasonably restore or protect all areas disturbed during construction. Such plans will identify plant material by botanical name, size, and location. Each stage of construction will be considered complete only upon completion and acceptance of the successful seeding and planting in the vicinity of construction. All seeding and planting required on the permitted area shall be completed according to the development schedule.

34. PLAN, MAP AND SPECIFICATION LANGUAGE: All plans, maps, and specifications shall be written in English and shall use American standards of measurement.

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35. ENVIRONMENTAL STANDARDS: Holder shall conduct all activities associated with the water diversion, weir, and rearing pond in a manner that will avoid or minimize degradation of air, land, and water quality. In the construction, operation, maintenance, and termination of the water diversion, weir, and rearing pond, holder shall perform its activities in accordance with applicable air and water quality standards, related facility siting standards, and related plans of implementation, including but not limited to standards adopted pursuant to the Clean Air Act, as amended (42 USC 1857) and the Federal Water Pollution Control Act, as amended (33 USC 1321).

36. IMPLIED PERMISSION: Nothing in this authorization shall be construed to imply permission to use the area for any purpose nor to build or maintain any structure or facility not specifically named on the face of this special-use permit, or approved by the Forest Service in the form of construction plans and an authorization amendment or a new special-use permit.

37. ESTHETICS: The holder shall protect the scenic esthetic values of the area under this permit, and the adjacent land, as far as possible with the authorized use, during construction, operation, and maintenance of the improvements.

38. REVEGETATION, SURFACE RESTORATION OF TOPSOIL: Topsoil shall be stripped from the permitted area and be deposited in storage piles apart from other excavated material. After the desired amount of material has been removed, and the resulting pit has been trimmed and smoothed as required, the stored topsoil shall be evenly spread over exposed subsoil to the extent that may be practicable, and shall be revegetated.

39. PESTICIDE USE: Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the Forest Service. A request for approval of planned uses of pesticides will be submitted annually by the holder on the due date established by the authorized officer. The report will cover a 12-month period of planned use beginning 3 months after the reporting date. Information essential for review will be provided in the form specified. Exceptions to this schedule may be allowed, subject to emergency request and approval, only when unexpected outbreaks of pests require control measures which were not anticipated at the time an annual report was submitted.

Only those materials registered by the U. S. Environmental Protection Agency for the specific purpose planned will be considered for use on National Forest System lands. Label instructions will be strictly followed in the application of pesticides and disposal of excess materials and containers.

40. ARCHAEOLOGICAL-PALEONTOLOGICAL DISCOVERIES: If, prior to or during excavation work, items of archaeological, paleontological, or historic value are reported or discovered, or an unknown deposit of such items is disturbed, the holder will immediately cease excavation in the area so affected. Holder will then notify the Forest Service and will not resume excavation until written approval is given by the authorized officer.

If it deems it necessary or desirable, the Forest Service may require the holder to have performed recovery, excavation, and preservation of the site and its artifacts at the holder's expense. At the option of the Forest Service, this authorization may be terminated at no liability by the United States when such termination is deemed necessary or desirable to preserve or protect archaeological, paleontological, or historic sites and artifacts.

OCT 13 1988

41. AREA ACCESS: The holder agrees to permit the free and unrestricted access to and upon the premises at all times for all lawful and proper purposes not inconsistent with the intent of the permit or with the reasonable exercise and enjoyment by the holder of the privileges thereof.

NOT RECORDED

OCT 13 1988

EXHIBIT "A"

LOWER SNAKE RIVER FISH AND WILDLIFE COMPENSATION PLAN CLEARWATER HATCHERY SATELLITE FACILITIES LOCHSA RIVER AT POWELL

U.S. Dept. of Agriculture
Forest Service

Tract U
7.77 Acres±

Description of Tract

A tract of land lying in the southwest quarter of the northeast quarter of Section 34, all in Township 37 North, Range 14 East of the Boise Meridian, Idaho County, State of Idaho, being more particularly described as follows:

Commencing at the Section corner common to sections 27, 26, 34, and 35, Township 37 North, Range 14 East of the Boise Meridian, a two and one half inch brass cap monument marked T37N, R14E $\frac{S27}{S34} \frac{S26}{S35}$ 1976

LS 981, the local grid coordinates of said monument being Y, North 52,080.92 feet and X, East 53,013.53 feet;

thence South 44° 57' 24" West, a distance of 2,234.07 feet to the POINT OF BEGINNING, lying on the southerly edge of Forest Service Road No. 111;

thence South 50° 19' 56" West, a distance of 304.65 feet;

thence North 60° 04' 00" West, a distance of 222.28 feet;

thence South 29° 56' 00" West, a distance of 100.00 feet;

thence South 60° 04' 00" East, a distance of 185.09 feet;

thence South 50° 19' 56" West, a distance of 121.30 feet;

thence South, a distance of 520.00 feet;

thence East, a distance of 160.00 feet to a point lying on the westerly edge of Forest Service Road No. 362;

thence North 41° 45' 17" East, a distance of 274.80 feet;

thence North 0° 50' 56" East, a distance of 135.02 feet;

thence East, a distance of 305.00 feet;

thence North, a distance of 95.00 feet;

thence West, a distance of 300.00 feet;

thence North 2° 19' 22" East, a distance of 115.11 feet;

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thence East, a distance of 275.00 feet;

thence North 20° 50' 21" East, a distance of 165.85 feet;

thence North 61° 04' 25" West, a distance of 130.25 feet;

thence North 60° 51' 25" West, a distance of 188.92 feet to the point of beginning.

There is EXCEPTED therefrom all that part of the above described tract lying within the right-of-way of said Forest Service Road No. 111.

The tract of land above described contains 7.77 acres, more or less.

NOTE: Bearings and distances cited in the above tract are based on a local grid system established by the U.S. Army Corps of Engineers. The point of origin of said local grid system is a U.S. Army Corps of Engineers monument marked "WCFH-1", grid coordinates being Y, North 50,000.00 feet and X, East 50,000.00 feet.

REJ 16 Jan 87
(Rev.) REJ 2 Mar 87
(Rev.) REJ 10 Nov 87

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600 South Walnut • Box 25
Boise, Idaho 83707

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FEB 18 1988

Department of Water Resources
Northern District Office

February 16, 1988

Mr. Tom King
Idaho Department of Water Resources
4055 Government Way
Rt. 5, Suite #9
Coeur d'Alene, ID 83814

Dear Mr. King:

Powell Satellite Facility/Special Use Permit

Enclosed are copies of several pages from the Powell Satellite Facility Design Memorandum listing criteria for the adult holding pond and the rearing pond.

We were assured by the Corps of Engineers that the Special Use Permit would be in their hands by February 1. As of today, we still have not received a copy. We will forward a copy to you as soon as we receive it.

I am sorry for the delay and thank you for your patience in this matter.

Sincerely,

Philip G. Jeppson, P. E.
Engineer Supervisor
Bureau of Engineering

PGJ:Q

Encs.

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**US Army Corps
of Engineers**
Walla Walla District

This report NOT FOR PUBLIC RELEASE.
Its contents are not to be used for AD-
VERTISING, PUBLICATION, OR PRO-
MOTIONAL PURPOSES.

35-

Lower Snake River Fish and Wildlife Compensation

Powell Satellite Facility

Design Memorandum No. 18.1

June 1987

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SECTION 6 - BIOLOGICAL AND FACILITY DESIGN CRITERIA

6.01 GENERAL

The Powell Satellite Facility will have an adult trapping, holding and spawning facility and smolt rearing/acclimation facility. This facility is to be operated and maintained as part of the Clearwater Fish Hatchery by the Idaho Department of Fish and Game.

This section contains the biological and facility design criteria for the construction of the Powell Satellite Facility. The design criteria was developed by the Idaho Department of Fish and Game based on their experience and the need to replenish the salmonid run of this important river system.

6.02 CLEARWATER HATCHERY PROGRAM

As detailed in Design Memorandum No. 18, the goal of the Clearwater Hatchery Program is to collect 4.0 million spring chinook salmon eggs for the entire Clearwater Hatchery Program annually. To meet this goal, 1,000 adult female fish must be trapped for spawning. The Powell Satellite Facility will be constructed to achieve this goal.

6.03 STREAMFLOW CONSIDERATIONS

The Powell Satellite Facility will obtain water from Walton Creek. The Idaho Fish & Game Department has determined that a minimum streamflow volume of 2 cfs must be maintained in Walton Creek to maintain resident fisheries. The water intake structure will be equipped with an adjustable gate at the inlet pipe for bypassing flow to meet this requirement. The water intake structure is shown on Plate 7.

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6.04 ADULT TRAP AND HOLDING POND CRITERIA

Criteria provided by the Idaho Fish and Game Department indicate that the size of each of the two adult holding ponds should be 100 feet long and 12 feet wide with an average water depth of 4.25 feet. This results in a total

of 10,200 cubic feet of holding pond water volume. With an average volume requirement of one fish per ten cubic feet, this would provide a holding capacity of 1,000 fish.

A flow volume of 9 cfs is expected for the adult holding pond, trap and fish ladder. With an average weight per fish of 20 pounds and a maximum number of fish being held equal to 800, the resulting loading factor would be 3.96 pounds per gallon per minute (lbs/gpm).

6.05 REARING/ACCLIMATION POND CRITERIA

The Idaho Department of Fish and Game has established that the Lochsa smolt rearing/acclimation ponds should have a volume of 35,000 cubic feet. The flow volume will be 7 cubic feet per second (cfs). The facility will provide capacity for approximately 17,000 pounds of spring chinook salmon smolts per year at a size of 20 fish per pound, or 5 to 5-1/2 inches in length. This type of loading will result in the following loading criteria:

Maximum Density Index	=	17,000 lbs./35,000 cu. ft./5.0 inch
	=	0.10 lbs./cu. ft./inch

Maximum Loading	=	17,000 lbs./3,142 gpm
	=	5.41 lbs./gpm flow

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State of Idaho
DEPARTMENT OF WATER RESOURCES
NORTHERN REGION

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

Suite No. 9
4055 Government Way
Coeur d'Alene, Idaho 83814
(208) 765-4639

January 14, 1988

Dept. of Fish & Game
P.O. Box 25
Boise, Id. 83707

Re: 81-7118 and 81-7119

Gentlemen:

This office is currently processing your Applications for Permit for fish culture on White Sands and Walton Creeks.

Before the applications can be approved, however, we must have the dimensions of the holding pond (Item No. 5 on sheet two of JUB File No. SN-05-42/2) and a copy of the U.S.F.S. Special Use Permit.

If you have any questions, please contact me at this office.

Sincerely,

TOM D. KING
Senior Water Resource Agent

TDK/pms

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Celebrate
IDAHO
1890 • CENTENNIAL • 1990

January 14, 1988

U.S. Forest Service
Clearwater National Forest
Orofino, Id. 83544

Re: 81-7118 and 81-7119

Gentlemen:

Enclosed is information which may be of interest to your Agency relating to applications recently filed with the Department of Water Resources.

Sincerely,

ROBERT G. HAYNES, P.E.
Regional Supervisor

RGH/pms

Enclosure

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OCT 13 1988

January 14, 1988

Dept. of Fish & Game
P.O. Box 25
Boise, Id. 83707

Re: 81-7118

Gentlemen:

The Department of Water Resources acknowledges receipt of your water right application for permit. The application has been assigned Identification No. 81-7119. Please refer to this number in all further correspondence.

This office is currently in the process of advertising the application in the Idaho County Free Press. The advertisement will be published for two weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

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

Enclosed please find your Receipt No. 41887 for the amount of \$150.00.

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

Sincerely,

ROBERT G. HAYNES, P.E.
Regional Supervisor

RGH/pms
Enc. - Receipt

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OCT 13 1988

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JAN 29 1988

Department of Water Resources
Northern District Office

AFFIDAVIT OF PUBLICATION

NOTICE OF APPLICATION FOR WATER RIGHT

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

81-7118

STATE OF IDAHO
DEPT. OF FISH & GAME, P.O. BOX 25,
BOISE, ID 83707

Source: WHITE SANDS CREEK trib. to
LOCHSA RIVER

Diversion Pt: NESWNE Sec 34 T 37N R
14E

Use: FISH PROP. (3.0 CFS)

Date Filed: 12/07/87

In: SWNE Sec 34 T 37N R 14E

81-7119

STATE OF IDAHO
DEPT. OF FISH & GAME, P.O. BOX 25,
BOISE, ID 83707

Source: WALTON CREEK trib. to
LOCHSA RIVER

Diversion Pt: SESWNE Sec 34 T 37N R
14E

Use: FISH PROP. (7.0 CFS)

DATE FILED: 12/07/1987

IN: SWNE SEC 34 T 37N R 14E

The permit(s) will be subject to all prior
water rights. Protests must be filed with
the Director, Dept. of Water Resources,
4055 Government Way, Suite 9, Coeur
d'Alene, Idaho 83814 on or before
FEBRUARY 8, 1988.

R. KEITH HIGGINSON, Dir.

Published 1/20 & 1/27/88.

J20-27

Charlotte Sotin being first duly

Bookkeeper

sworn, says he is the
of the IDAHO COUNTY FREE PRESS, a weekly newspaper which
is published and issued weekly at Grangeville, Idaho County,
State of Idaho, and which is of general circulation in said county
and state; that the said notice, of which the one hereto attached
is a true copy, was published in said paper for TWO weeks,
being published TWO times, the first publication being
on the 20th day of January, 19 88,
and the last publication on the 27th day of
January, 19 88, and that the said notice
was published in the newspaper proper and not a supplement;
that said newspaper has been continuously and uninterruptedly
published in said county during a period of more than seventy-
eight consecutive weeks prior to the first publication of said
notice or advertisement.

Charlotte Sotin

Subscribed and sworn to before me this 27th day
of January, 1988.

[Signature]

Notary Public

for State of Idaho, residing at Grangeville, Idaho.

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OCT 12 1988

81-7118

STATE OF IDAHO

DEPT. OF FISH & GAME, P.O. BOX 25, BOISE, ID 83707

Source: WHITE SANDS CREEK trib. to LOCHSA RIVER

Diversion Pt: NESWNE Sec 34 T 37N R 14E

Use: FISH PROP. (3.0 CFS)

Date Filed: 12/07/1987

In: SWNE Sec 34 T 37N R 14E

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OCT 13 1988



600 South Walnut • Box 25
Boise, Idaho 83707

December 2, 1987

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DEC 7 1987

Department of Water Resources
Northern District Office

Idaho Department of Water Resources
4055 Government Way
Coeur d'Alene, ID 83814

Gentlemen:

Powell Chinook Salmon Facilities

The U. S. Army Corps of Engineers, in cooperation with the Idaho Department of Fish and Game, is planning to construct a juvenile Chinook Salmon rearing pond and adult capture/spawning facility near Powell at the upstream end of the Lochsa River.

Attached are two separate Applications for Permit to Appropriate the Public Waters of the State of Idaho, along with the required fees and a partial set of preliminary construction drawings.

Our primary water source will be from Walton Creek and an auxiliary back-up from White Sands Creek. We had originally planned to use ground water as auxiliary back-up and we delayed the forwarding of these Applications until ground water testing proved an adequate water supply.

Recent well drilling activities showed an inadequate supply of ground water. We, therefore, are designing an intake/pumped water supply from White Sands Creek as the auxiliary back-up system.

The attached plans do not reflect this change in auxiliary water supply. Please advise if more information is needed at this time.

Sincerely,

Philip G. Jeppson, P. E.
Engineer Supervisor
Bureau of Engineering

PGJ:Q

Encs.

C Joe McMichael

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