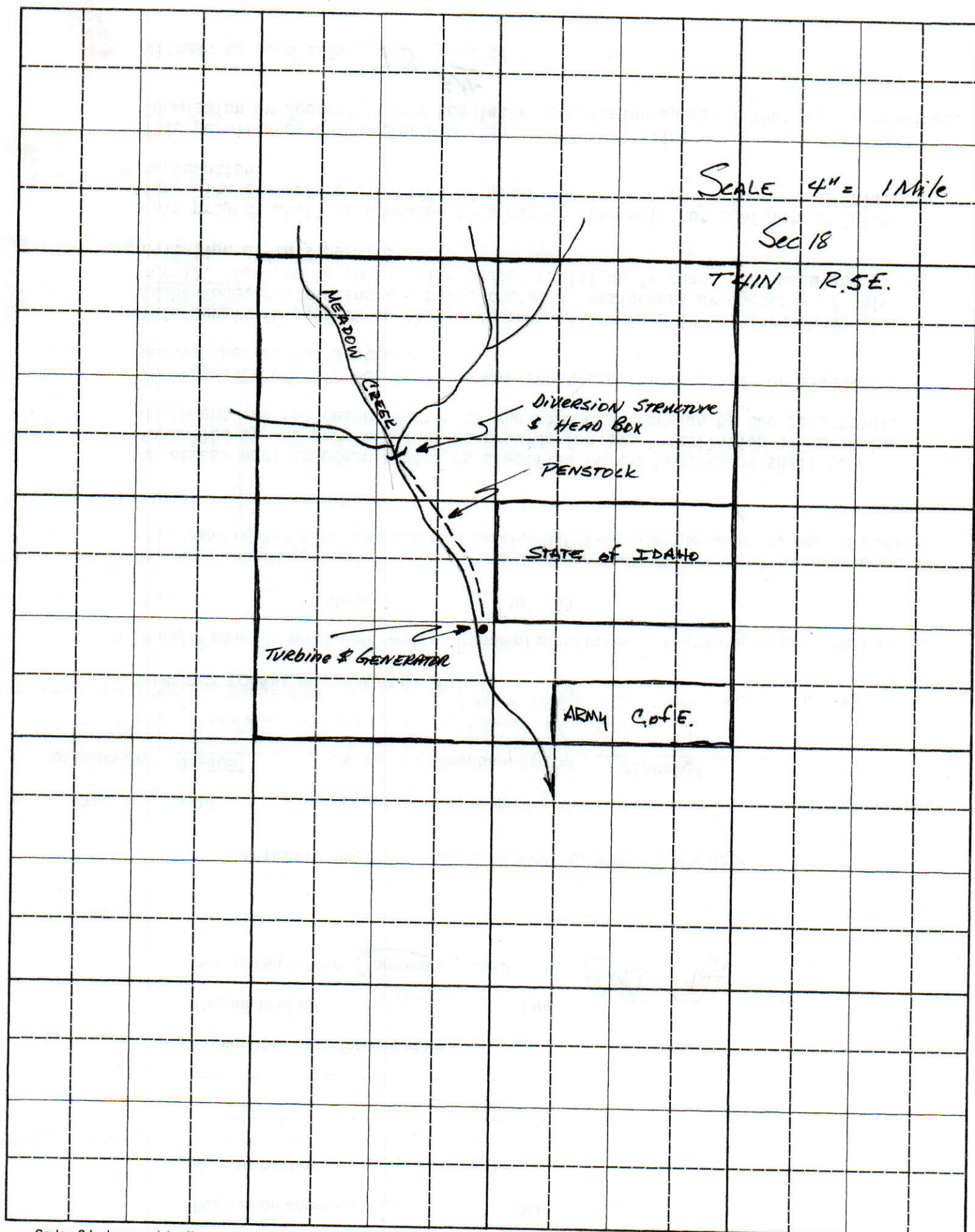


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

M. O. KOPPANG, CHIEF FIRE WARDEN

M.O. Koppang Sec - Treas
(Applicant)

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JUN 27 1990
Department of Water Resources

A. GENERAL INFORMATION

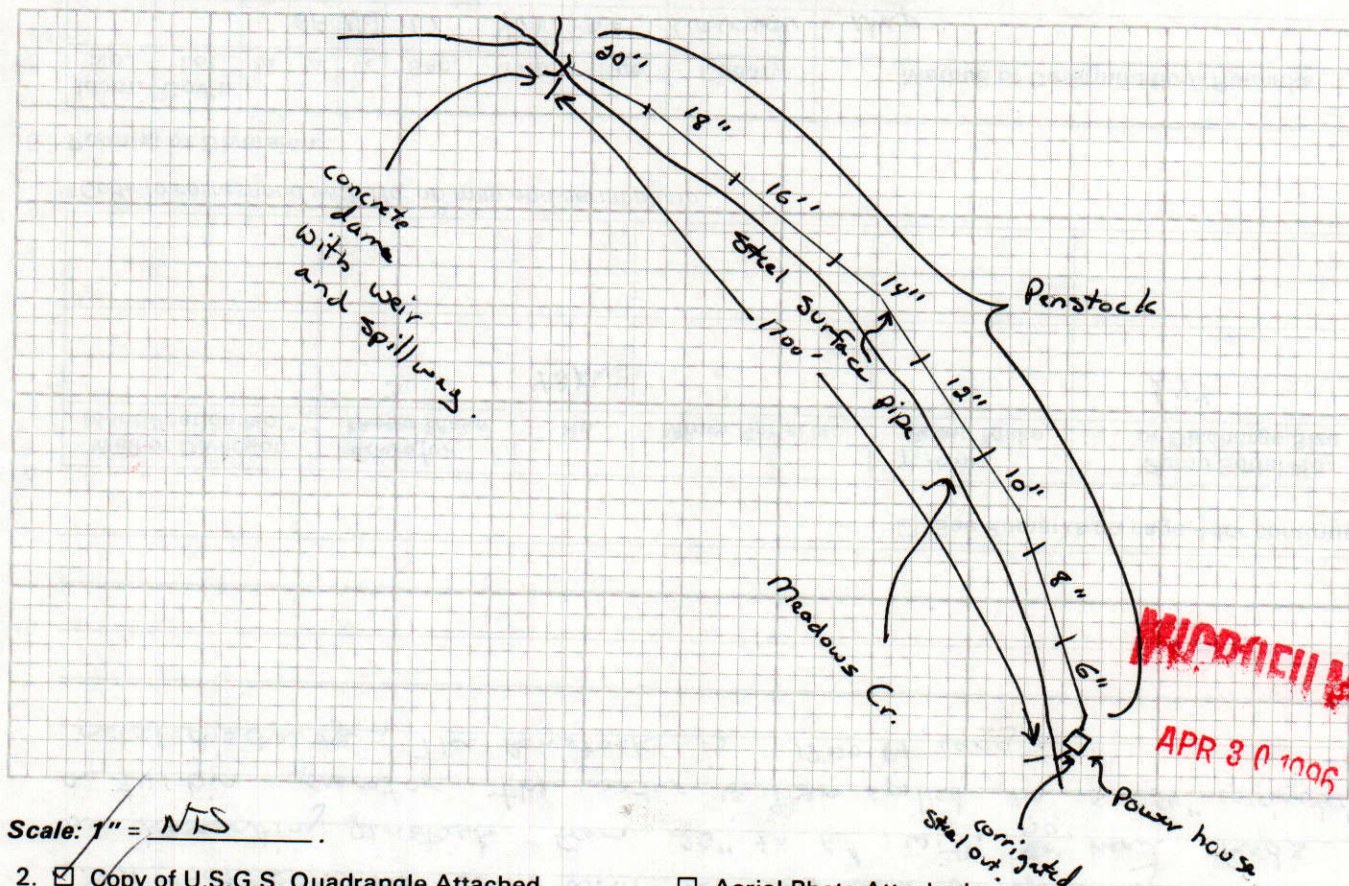
Permit No. 83-7051
1. Owner: Clearwater-Potlatch Timber Protection Assoc Phone No. 476-6612
Current Address: 10250 Hwy 12 Orfino, Idaho 83544
2. Accompanied by: Steve Trombley EXAM. DATE: 8/1/89
Address: 10250 Highway 12 Orfino Id Phone No. 476-5612
Relationship to Permit Holder: Boehl's varden
3. Source: meadows Cr. tributary to Little N.F. Clearwater R.

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE
2. Other water rights with same point of diversion: NONE
☐ Copies Attached
☐ Copies Attached ☐ Copies of Field Exam's Attached

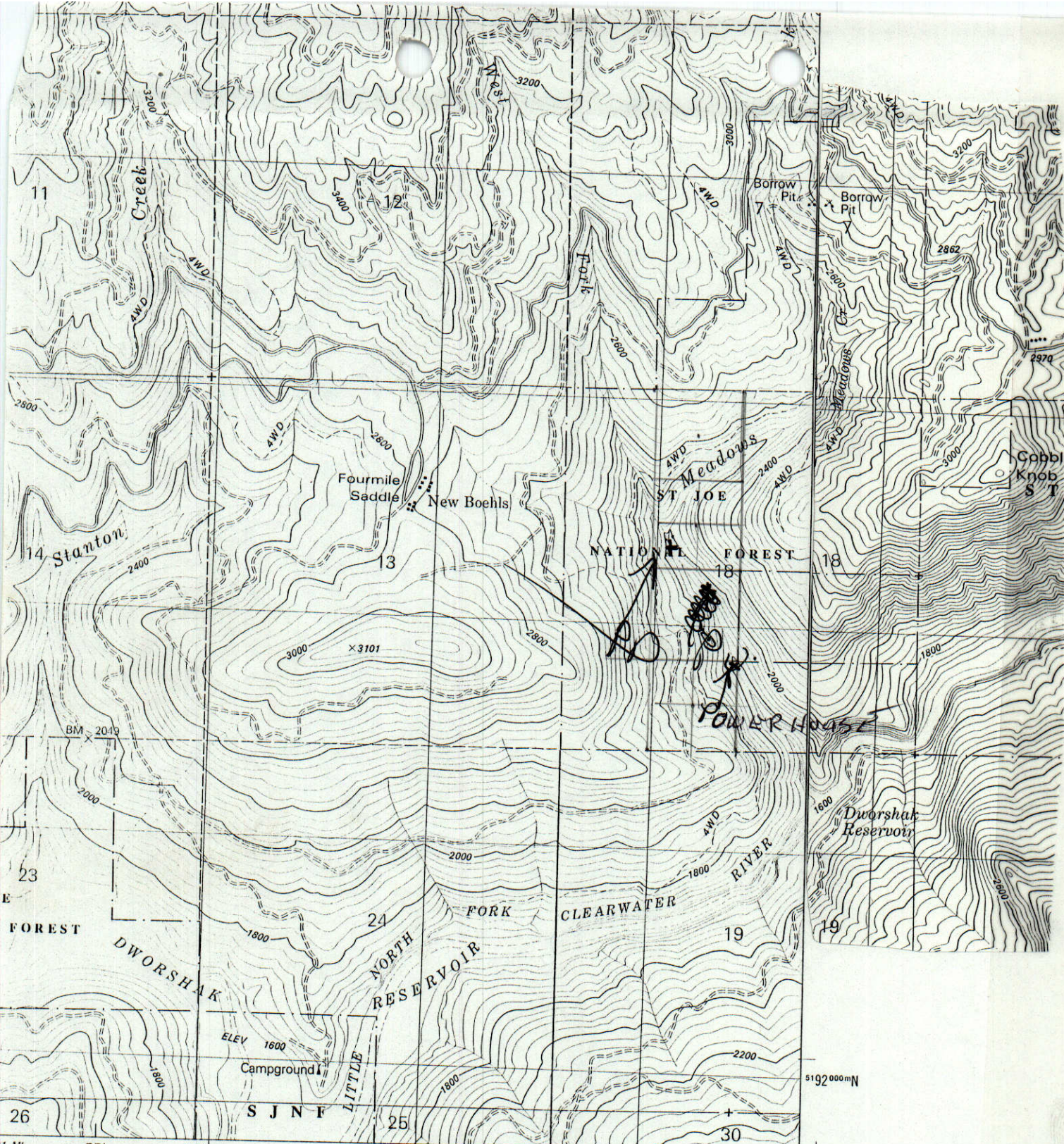
C. SYSTEM DESCRIPTION

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" = NTS

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
(required for irrigation of 10 acres or more).



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984
 R 4 E R 5 E 585000mE 46°52'30" 115°52'30"

NAME: CLEARWATER-POTLATCH TIMBER PROTECTION ASSN. INC. PERMIT NUMBER: 83-07051
 POINT OF DIVERSION: T41N,R05E,SEC.18, SENW
 PLACE OF USE: T41N,R05E,SEC.18, SESW
 hard su SOURCE: MEADOW CR.
 Secondary h
 hard surface
 () Inter

TRIBUTARY TO: CLEARWATER R. N. F. J-12
 MAP # 14
 QUAD: J-11
 APR 30 1996



RGINIA 22092
 EST

Revisions shown in purple and woodland compi
 aerial photographs taken 1982 and other source

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT SUPPLEMENT
C O N T E N T S

(☒) B/U Acknowledgment Letter Sent

This Examination Report Contains the Following Documents.

(☒) Field Report (☒) Quad Sheet () Gov. Lot Plat (☒) Rules Check list
() Aerial Photo () Photo PD/PU

Number of Diagrams Attached _____ Number of Calculation Sheets Attached _____
() Correspondence (Date) _____

The Works
() Other (List) _____

Contacts: _____

Remarks: *The turbine house*



Exam Completed By *Tom Dubois*

Date *8/8/89*

Sr. Agent Review _____

Date _____

Regional Manager Review *RMA*

Date *6/8/90*

PERMIT NUMBER

83-07051

STATE OF IDAHO
 DEPARTMENT OF WATER RESOURCES
 BENEFICIAL USE FIELD REPORT SUPPLEMENT
 C O N T E N T S

() Acknowledgment Letter Sent
 This Investigation Report Contains the Following Documents:
 () Field Report
 () Photo Sheet
 () Gov. Let. List
 () Photos (Photo List)
 () Correspondence (List)
 Number of Diagrams Attached
 Number of Calculation Sheets Attached



The stream
 works (List)
 () Other (List)

Contractor

Remarks: Turbid
 House

Exam Completed By: *Tom Atkins*
 Date: 8/8/84
 Regional Manager Review: *BM*
 Date: 6/8/90
 St. Agent Review: *BM*
 Date: 6/8/90
 APR 30 1990

PERMIT NUMBER

83-07051

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 83-07051

Priority: February 23, 1981

Maximum Diversion Rate:

4.65 CFS

Maximum Diversion Volume:

1411.2 AF

This is to certify, that CLEARWATER POTLATCH TIMBER PROTECTION
10250 HWY 12

OROFINO ID 83544

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated February 23, 1981; and
has submitted Proof of Beneficial Use on May 31, 1988. An examination indicates
that the works have a diversion capacity of 4.650 cfs of water from:

MEADOWS CREEK

tributary to CLEARWATER RIVER, N FORK

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>
POWER	06/15 to 11/15	4.65 CFS	1411.2 AF

LOCATION OF POINT(S) OF DIVERSION:

SESW , Sec. 18, Township 41N, Range 05E
CLEARWATER County

PLACE OF USE: POWER

TWN RGE SEC

41N 05E 18

SESW

CONDITIONS OF APPROVAL AND 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 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. This right does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.
5. Water used under this right when discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

APR 30 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 83-07051

CONDITIONS OF APPROVAL AND REMARKS

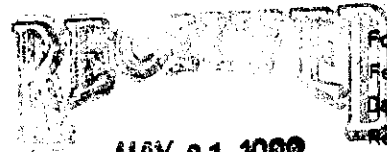
6. The rights for the use of water confirmed in this license shall be junior and subordinate to all rights for the use of water other than hydropower, within the State of Idaho that are initiated later in time than the priority of this right and shall not give rise to any right or claim against any future rights for the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this right.
7. The diversion and use of water under this license is subject to review by the Director on or after June 1, 2008. Upon appropriate findings relative to the interest of the public, the Director may cancel all or any part of the use authorized herein and may revise, delete or add conditions under which the right may be exercised.
8. The Director of the Department retains jurisdiction to require a bypass flow for the maintenance of fish, wildlife, riparian and aquatic habitat.
9. Power generation is for a forest protection field camp.

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 24th day of FEBRUARY, 1996.

Acting for

KARL J. DREHER, Director

APPROVED
APR 30 1996



For Office Use Only
Fee Received \$200.00
Date 6-1-88
Receipt # C001049
Receipt by [signature]
Reviewed by [signature]
Sent to region [signature]

STATE OF IDAHO

MAY 31 1988

DEPARTMENT OF WATER RESOURCES

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. 83-7051

Name(s) of Permit Holder: Clearwater Potlatch Timber Protective Association INC.

Post Office Address: 10250 Hwy 12 Orofino, Idaho 83544 -

Telephone No. (208) 476-5612

Source of Water: Meadow Creek

Extent of Use:

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

Irrigation (acres) Other/Remark Power Generation for

Forest Protection Field Camp.

Total rate and/or volume for which proof is submitted 5 cfs N/A acre-feet

Show the date water was first diverted and beneficially used under this permit: August 1986

Measuring Device: Required? ☒ Yes ☐ No
Installed? ☒ Yes ☐ No
Fee enclosed \$ 200.00
(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:

M.O. Koppang - Chief Fire Warden

476-5612

(Name)

(Telephone Number)

Clearwater Potlatch Timber PROtective Assn.

10250 Hwy 12
Orofino, Idaho 83544

(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.

OCT 13 1988

5/26/88

Date

M.O. Koppang
Signature of Permit Holder (and title, if appropriate)

Clearwater - Potlatch Timber PROtective Assn., INC.

For Office Use Only	
Fee Received	15.00
Date	4-14-83
Receipt #	26494

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

REQUEST FOR EXTENSION OF TIME
To provide additional time in which to submit
proof of beneficial use on a water right permit

APR 12 1983

Department of Water Resources

Clearwater-Potlatch Timber Protective ASSN, INC. Box 546, Orofino, ID. 83544
(Name) (Address)

State of IDAHO, deposes and says:

That he is the holder, or the duly authorized agent of the holder*, of Permit to Appropriate the Public Water of the State of Idaho No. 83-7051.

That under the terms and conditions of said permit, work thereunder was required to be completed on or before June 1, 1983.

That he has heretofore performed the following work described under said permit:
(This must be filled out! If no work has been completed put none.)

Concrete diversion structure installed	\$ 5,000.00
Access Road and bridge installed	\$ 15,000.00
1½ miles of under ground powerline	\$ 10,000.00
"All Costs are estimated"	Costing \$ 30,000.00

Completed work

That he is unable to complete the remainder of the work within the required time for the following reasons, to-wit:
The mission of our Organization is forest fire protection and this is our priority during the work season. Weather and time with personnel has been the limiting factor in achieving completion at an earlier date.

Wherefore, he asks that the Department of Water Resources extend the time for the completion of obligations under said permit to January 1, 1986.
(1 yr. minimum, 5 yrs. maximum)

NOTE
AS OF JULY 1, 1980,
THERE IS A \$15.00
CHARGE FOR REQUESTS
FOR EXTENSION OF
TIME

M. Q. Koppman
(Signature)*
*IF OTHER THAN HOLDER, Power of Attorney must be supplied.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above application for extension of time be APPROVED and the time within which to submit the statement of beneficial use is extended to June 1, 1988.

Signed this 27th day of April, 1983.

L. Glen Saxton
Chief, Operations Bureau

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AFFIDAVIT OF RESIDENCY OR QUALIFICATION TO DO BUSINESS
IN AND UNDER THE LAWS OF IDAHO

A. Individual Applicant or Individual Members of a Partnership:

I _____ of _____, County of _____
(name) (city)
_____, State of Idaho, being duly sworn, do hereby certify that I am a bona fide resident
of the State of Idaho.

/s/ _____

Subscribed and sworn to before me this _____ day of _____, 19 _____

/s/ _____

Notary Public

Residence _____

My Commission expires _____

B. Association:
~~Corporation:~~

I M. O. Koppang of Orofino, County of _____
(name) (city)
Clearwater, State of Idaho, being first duly sworn, depose and say: That I am the designated
registered agent of the Clearwater-Potlatch Timber Protective Association;
(name of ~~corporation~~ association)
that as such I am in charge of the registered office of the said ~~corporation~~ ^{association} as required by Section 30-1-12, *Idaho*
Code, at Orofino
(city)

Idaho, wherein are kept the ~~corporate~~ ^{association} records required by Section 30-1-52, *Idaho Code*; and that the
Clearwater-Potlatch Timber Protective Assn. is ~~a corporation~~ ^{an association} qualified to do business in the
(name of ~~corporation~~ association)
State of Idaho under the laws of the State of Idaho.

/s/ M. O. Koppang Sec-treas

Subscribed and sworn to before me this 2nd day of April, 19 81

RECEIVED

APR 7 1981

/s/ Layne Schultz

Notary Public

Residence Orofino, Idaho

My Commission Expires March 10, 1982

Department of Water Resources
Northern District Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Clearwater-Potlatch Timber Protective Assoc. Phone 208-476-5612
Post office address P. O. Box 546 Orofino, Idaho 83544
2. Source of water supply Stocking Meadow Creek which is a tributary of Little N.F. Clearwater River
3. Location of point of diversion is SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 18 Township 41 N
Range 5E B.M. Clearwater County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 5 cfs for Power Generation purposes from June 15 to Nov. 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:

a. 5 cfs cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

- a. Description of ditches, flumes, pumps, headgates, etc. Concrete diversion structure directs water to steel headbox, overflow directed into original channel, head box through 14" steel penstock (1700') then discharged through turbine and into normal creek channel.
- b. Height of storage dam 2 feet, active reservoir capacity N/A acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: Steel & Concrete
Period of year when water will be diverted to storage June 15 to Nov. 15 inclusive.
(Month/Day) (Month/Day)
- c. Proposed well diameter is N/A inches; proposed depth of well is N/A feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 2 years (minimum 1 year — maximum 5 years).

8. Description of proposed uses:

- a. If water is not for irrigation:
- (1) Give the place of use of water: SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 18 Township 41N
Range 5E B.M.
- (2) Amount of power to be generated: 20 - 25 horsepower under 150 feet of head.
- (3) List number of each kind of livestock to be watered N/A
- (4) Name of municipality to be served N/A, or number of families to be supplied with domestic water N/A.
- (5) If water is to be used for other purposes describe: Water will be used to generate power for a seasonally used forest protection camp in a remote area - replacing a diesel generator.

APPROVED

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Total number of acres to be irrigated N/A

c. Describe any other water rights used for the same purposes as described above. _____

N/A

9. a. Who owns the property at the point of diversion Potlatch Corp. Lewiston, Idaho

b. Who owns the land to be irrigated or place of use Potlatch Corp. Lewiston, Idaho

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the

applicant to make this filing A lease agreement is in effect between Potlatch Corp.

and the Clearwater-Potlatch Timber Protective Assoc. for access and the

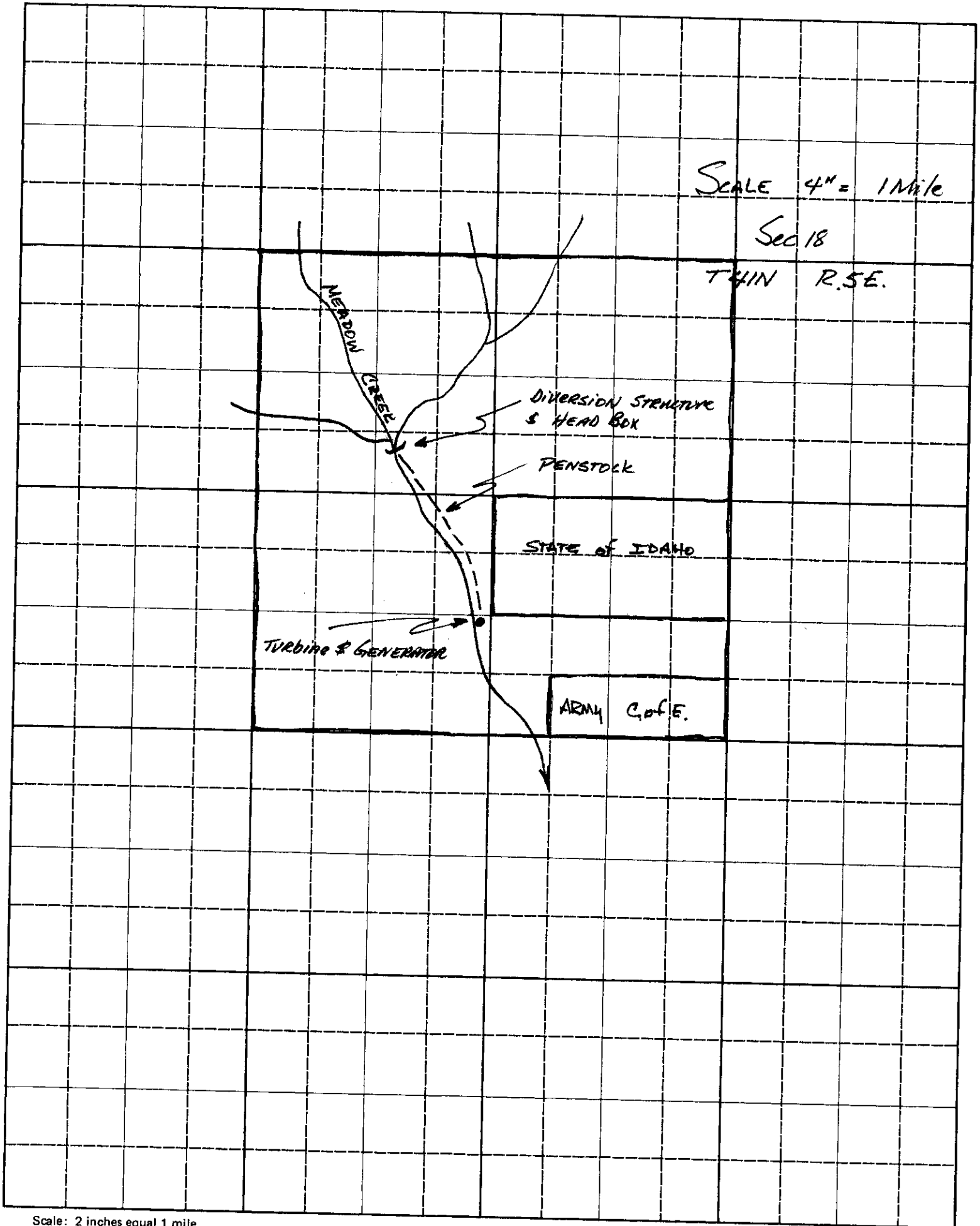
area for the facilities. Arrangements have been completed to cross State

10. Remarks lands with the buried powerline to the camp site. The Potlatch

Corporation and the State of Idaho are Members of the Clearwater-Potlatch

Timber Protective Association.

11. 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.

M. O. KOPPANG, CHIEF FIRE WARDEN

M.O. Koppang Sec - Treas
(Applicant)

RECEIVED
JUN 11 1960

Proposed Priority 2/23/81

Received by PM Date 2/23/81 Time 1:00 PM

Preliminary check by JB Fee \$ 125.00

Receipted by PM Date 2/25/81 (15595)

Publication prepared by PM Date 2/26/81

Published in Clearwater Tribune

Publication dates 3/5 + 12/81

Publication approved PM Date 3/30/81

Protests filed by: none

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by Byt RA

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. 83-7051, 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 June 1, 19 83.

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. Other:

An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

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

This permit is subject to the provisions of Sections 42-205 through 42-210, Idaho Code, restricting the sale, transfer, assignment or mortgage of this permit. Failure to comply with these provisions is cause for immediate cancellation of this permit.

This project shall be operated in a manner that will not conflict or interfere with the future diversion of water for irrigation or other beneficial consumption.

This permit does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.

Witness my hand this 13th day of May, 1981.

J. Glen Saxton
Chief, Operations Bureau



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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

February 26, 1996

CLEARWATER POTLATCH TIMBER PROTECTION
10250 HWY 12
OROFINO ID 83544

RE: WATER RIGHT NO. 83-07051

Dear Water Right Holder(s):

Enclosed 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,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

RECEIVED
FEB 28 1996



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

January 16, 1996

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

IDAHO DEPT OF FISH & GAME
1540 WARNER AVE
LEWISTON ID 83501-5699

Attn: Herb Pollard

RE: Water Right Permit 83-07051

Dear Mr. Pollard:

The Department of Water Resources is currently reviewing Water Right Permit 83-07051 in preparation for issuing a Water Right License. The water use developed under the permit is a small hydropower facility diverting 4.65 cfs from Meadows Creek, which is tributary to the North Fork of the Clearwater River. Because of the potential for concerns related to fish habitat in the Clearwater drainage, you are invited to comment on the proposed license before it is issued.

I have enclosed a printout containing the information proposed for the license. If you have any comment or questions, please contact me by February 16, 1996. I can be reached by phone at 208-327-7946 or by electronic mail at SKEEN@IDWR.STATE.ID.US.

Sincerely,

Shelley Walter Keen
Water Rights Supervisor

SWK
Enclosures

RECEIVED

APR 30 1996

LICENSE REVIEW CHECKLIST

PERMIT NO. 83-07051 DATE 12-18-95



NAME Change OK 2-20-96 Or (Address) Change? Check
 PRIORITY DATE Advance? Advanced to: Order to reinstate needed? Incorrect fee for rate recommended? NO

SOURCE Changes or just clarification of originally intended source? JUST MEADOWS CREEK
 Notice of Intent to Void necessary? NO

POINT OF DIV Amendment needed? Overlaps?

PLACE OF USE Amendment needed? Overlaps?

DIV RATE Permit/fee limits: 5 CFS
 FROM MANUAL $\rightarrow$ Meas Q = 4.65 CFS Theo Q = 4.83 Recommend: 4.65
 (ESTIMATED) FOR FULL FLOW RATE

Combined rates exceed capacity NO

ANNUAL VOLUME Volume Limit: Season: 6-15 to 11-15
Calculations:

Flow limit: 4.65 cfs x 153 x 1.9835 = 1411.2
 Combined volumes exceed capacity/allowable NO

USES Change in Nature of Use or additional uses? Amendment necessary?

ADDITIONAL INFO Supplemental Groundwater PPU Scenario
Irr/Dom Combination Shared G/W System

NEW REMARKS Multiple p/d(s) in 1/4 1/4?
(2) 10 yrs W42+4ES Other Power generation is for a forest protection field camp.

NEW CONDITIONS Watermaster control - District Measuring/Locking Devices
Irrigation Overlap R22 Other TO REPLACE 17A
09E Water Quality Heat/Cool/Fish verified

COMMENTS: ① Reduce rate to capacity
② limit of term common for small NON FERC systems / however it
③ 09E added because of nitrogenization of water from any
size power plant.

RECOMMENDATION	CFS	VOLUME	SRBA Claim Filed	Adjustment Memo Needed	LICENSE	1ST AMEND LETTER	2ND AMEND LETTER
Power	4.65	1411.2	NO	NO	✓		

② CONTINUED: has been so long since the system was installed and the license issued that 20 yrs from the date proof was filed (6-1-88) will be used.

RECEIVED
JUN 27 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 83-7051

1. Owner: Clearwater-Potlatch Timber Protection Assn Phone No. 476-5612

Current Address: 10250 Hwy 12 Orfino, Idaho 83544

2. Accompanied by: Steve Trombley EXAM. DATE: 8/1/89

Address: 10250 Highway 12 Orfino Id Phone No. 476-5612

Relationship to Permit Holder: Boehl's Varden

3. Source: Meadows Cr. tributary to Little N.F. Clearwater R.

B. OVERLAP REVIEW

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

☐ Copies Attached

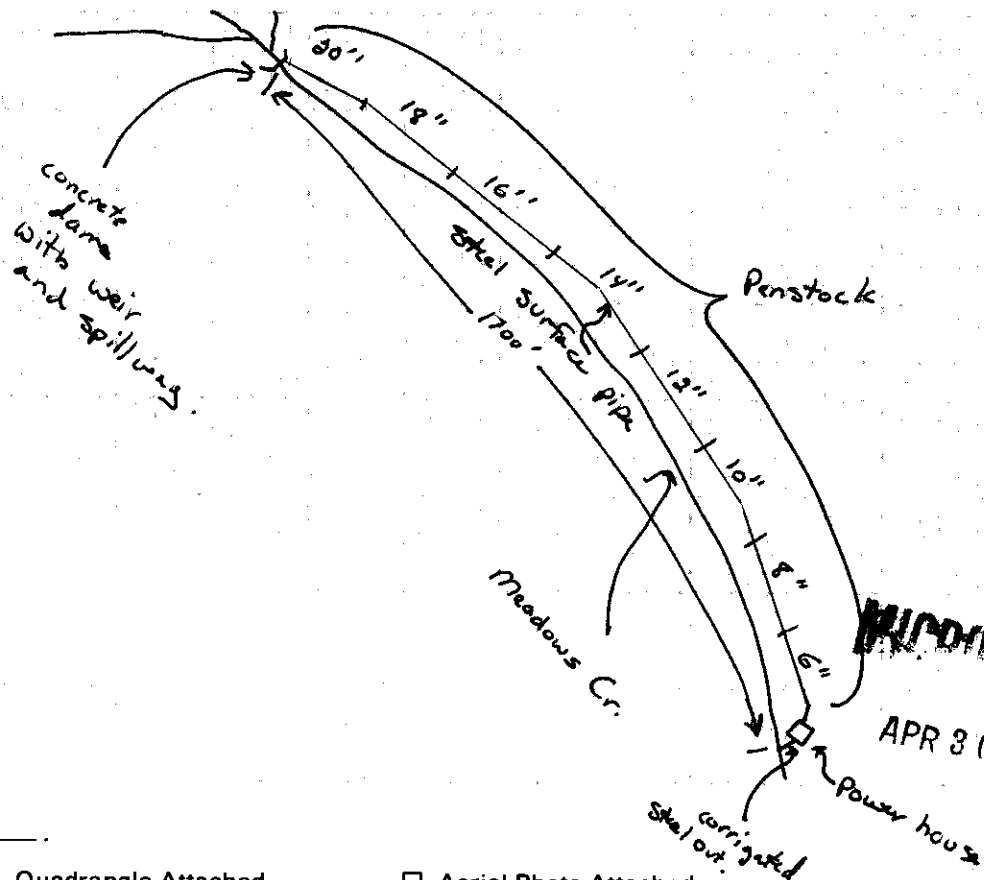
2. Other water rights with same point of diversion: NONE

☐ 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" = NTS

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
(required for irrigation of 10 acres or more).

System Description (continued)

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

Six foot concrete dam with a weir and 24" spillway. Feed on descending penstock from 20" to 6" with 150' head feeds a turbine generator. The water is then spilled via a 24" corrugated metal discharge. The Penstock is 1700 ft long.

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	generator Motor Make	Hp	Motor Serial No.	Turbine Pump Make	Pump Serial No. or Discharge Size
	?	43KW	?		24"

*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
			SE	NW	18	41N	5E	Clearwater	Map

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	
41N	5E	18																	

Do not use this space

D. FLOW MEASUREMENTS

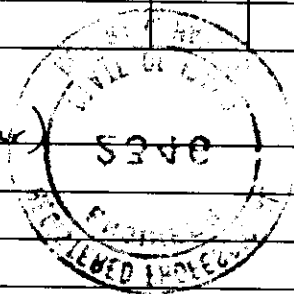
☒ Additional Data Sheets Attached

1.

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

2. Measurements:

3 1/4" of head on 10 ft weir (rectangular)
 WATER MEASUREMENT
 BOR MANUAL 1984 } = 4.65'
 TDK



E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

$Q = 4.83 \text{ cfs}$ calculated maximum diversion rate of system

2. Alternate Method for Checking Purposes:

$Q = 4.65 \text{ cfs}$ MEASURED TDK

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) ÷ 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 Ampsx .001732 = _____ (6)

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1411.2$

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

2. Volume Calculations for Other Uses:

(4.83 cfs) (153 days) (1.9835) = 1466 afa

APR 30 1996

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Used the theoretical calculation instead of measured because the flow rate at time of measurement was limited by creek flow other time earlier in year ~~the~~ the full flow rate can be reached.

USE MEASURED AMOUNT ~~TDK~~

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Power	6/15	10/15	4.83 cfs TDK 4.65	1466 afa 1411.2 TDK
Totals:			4.83 cfs 4.65 TDK	1466 afa 1411.2

2. Recommended Amendments

- ☐ Change P.D. as reflected above
☐ Change P.U. as reflected above

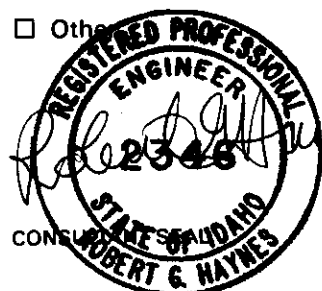
- ☐ Add P.D. as reflected above
☐ Add P.U. as reflected above

- ☒ None
☐ Other

TDK

J. AUTHENTICATION

Field Examiner's Name Louis Sukoraty
Signature [Signature]
Certification Date _____
Field Report Preparation Date 8/3/89



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

RECEIVED

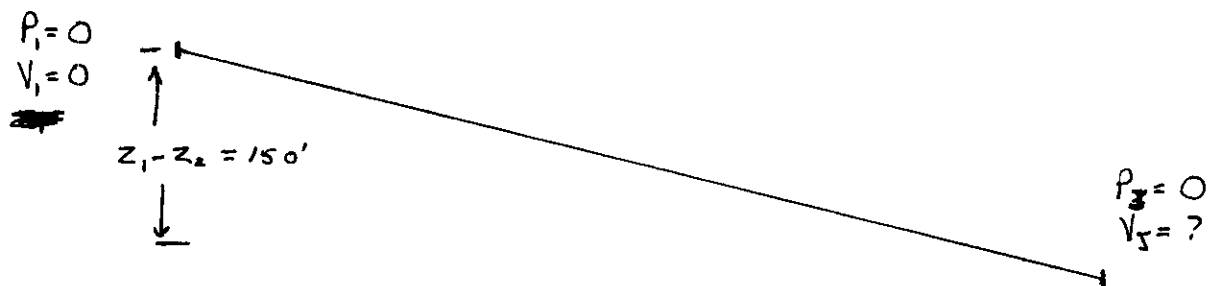
APR 30 1996

Calculation of flow rate neglecting frictional losses

$$\frac{P_1}{\rho} + \frac{V_1^2}{2g} + z_1 = \frac{P_2}{\rho} + \frac{V_2^2}{2g} + z_2 + h_L \quad \text{assumed to be 0}$$

Bernoulli's Equation

Simplified system diagram



$$(Z_1 - Z_2)(2g) = V_j^2$$

$$V_j = \sqrt{(Z_1 - Z_2)2g}$$

$$g = 32.2 \text{ ft/sec}^2$$

$$V_j = \sqrt{150 \text{ ft} (32.2 \text{ ft/sec}^2) 2} = 98.3 \text{ ft/sec}$$

Area of four jets ($1\frac{1}{2}$ " nozzles)

$$A = \pi r^2 \quad r = \frac{3}{4}''$$

Area on jet is

$$A_1 (3.14) \left(\frac{3}{4}\right)^2 = 1.77 \text{ in}^2$$

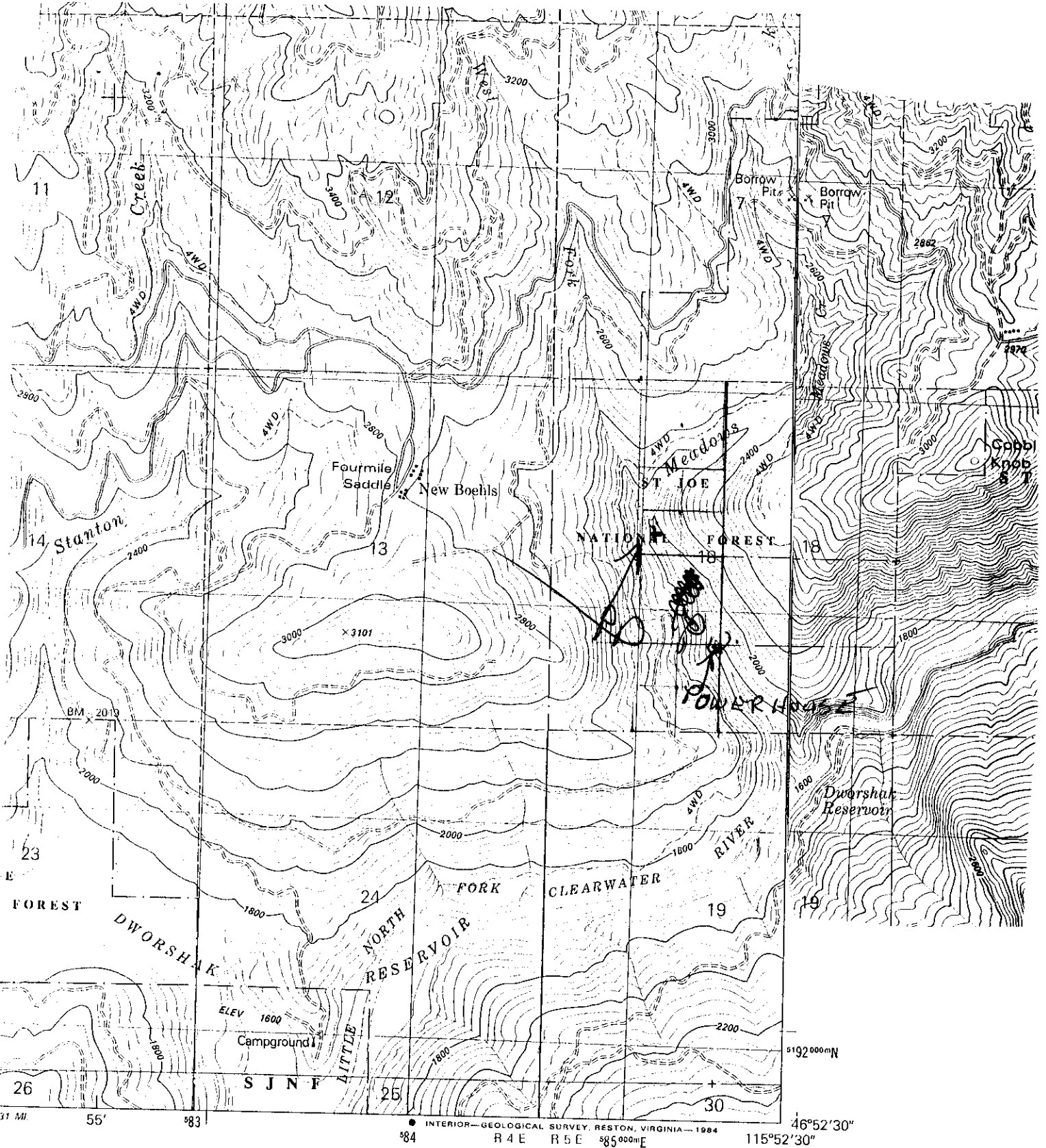
Total area

$$= 4A_1 = 7.07 \text{ in}^2$$

$$= 0.05 \text{ ft}^2$$

$$Q = VA = 98.3 (0.05) \text{ ft} \cdot \text{ft}^2/\text{sec}$$

$$= 4.83 \text{ cfs}$$



1 MILE
7000 FEET
METER



IRGINIA 22092
EST

Revisions shown in purple and woodland compi
and other source

NAME: CLEARWATER-POTLATCH TIMBER PROTECTION ASSN. INC. PERMIT NUMBER: 83-07051
POINT OF DIVERSION: T41N,R05E,SEC.18, SENW
PLACE OF USE: T41N,R05E,SEC.10, SESW
hard su SOURCE: MEADOW CR.
Secondary h
hard surface
Inter

TRIBUTARY TO: CLEARWATER R. N. F. J-12

150' head
1700' length

APR 30 1996

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT SUPPLEMENT
C O N T E N T S

(☒) B/U Acknowledgment Letter Sent

This Examination Report Contains the Following Documents.

(☒) Field Report

(☒) Quad Sheet

() Gov. Lot Plat

(☒) Rules Check list

() Aerial Photo

() Photo PD/PU

Number of Diagrams Attached _____

Number of Calculation Sheets Attached _____

() Correspondence (Date) _____

The Works diary
() Other (List) _____

Contacts: _____

Remarks: *The turbine house*

83-07051

Exam Completed By *Tom's Dubois*

Date *8/8/89*

Sr. Agent Review _____

Date _____

Regional Manager Review *RMH*

Date *6/8/90*

APR 30 1996

PERMIT NUMBER

83-07051





State of Idaho
DEPARTMENT OF WATER RESOURCES
NORTHERN REGION, Suite No. 9 • 4055 Government Way • Coeur d'Alene, Idaho 83814 • (208) 765-4639

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 17, 1988

RECEIVED
OCT 20 1988

Clearwater Potlatch Timber Prot. Assn. Inc.
10250 Hwy. 12
Orofino, Id. 83544

Department of Water Resources

Re: 83-7051

Dear Permitholder:

We acknowledge receipt of your statement of completion of water development use for the above-referenced permit.

Before a license can be issued, a field examination must be made by a representative of this Department. We do not know at this time when he will be able to conduct the examination; however, the examiner will try to contact you at the time he makes the examination so that you may show him the system. If you will not be available to show the system, please provide this office with the name and address of someone who will be able to do so. Your permit will remain valid until the examination is made.

If you have any questions concerning the field examination, please contact this office. Please be sure to use the above-referenced permit number in all future correspondence concerning this examination.

Sincerely,

/s/
TOM D. KING
Senior Water Resource Agent

TDK/pms

RECEIVED

APR 30 1996

PLEASE DETACH BEFORE DEPOSITING

No. 1375

	DATE	INVOICE NO.	REFERENCE	INVOICES	DEDUCTIONS	BALANCE
	5/26/88	1975	Boehls Hydro License Examination Fee			\$200.00

OCT 13 1988

377

**CLEARWATER POTLATCH TIMBER
PROTECTIVE ASSOCIATION**

10250 HIGHWAY 12
OROFINO, IDAHO 83544

138471
CERTIFIED MAIL
March 31, 1988

CLEARWATER-POTLATCH TIMBER PROT. ASSN.
P.O. BOX 546
OROFINO, ID 83544

PROOF DUE NOTICE

RE: Permit No. 83-7051

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 June 1, 1988. (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 completed 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, or the permit will no longer be of any force nor effect.

Sincerely,

RITA FLECK
Secretary/Records Manager

Enclosures

RECEIVED

OCT 13 1988

April 28, 1983

Clearwater-Potlatch Timber Protective Assn, Inc.
Box 546
Orofino, ID 83544

Gentlemen:

Re: Permit No. 83-7051

Enclosed is a copy of the approved request for extension of time. The time within which to submit the statement of beneficial use postcard is extended to June 1, 1988.

The 1982 Idaho Legislature added a requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date a permit is issued. In the case of this extension, you must commence works within a year from the day the extension was signed and 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. If you are still prevented from commencing works eleven months from now, note the reason on the blue card and return it then.

Sincerely,

RITA I. FLECK
Secretary/Records Manager

Enclosures: Ext. of Time
Blue Postcard



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

EXTENSION OF TIME

April 15, 1983

Clearwater Potlatch Timber
Protective Association
Box 546
Orofino, ID 83544

PERMIT NO. 83-7051

We are in receipt of the \$15 extension fee for Extension(s) of Time to provide additional time in which to submit proof of beneficial use on a water right permit.

Your request for extension(s) of time is being reviewed by staff. You will be informed of our decision when review has been completed.

Enclosed is our receipt No. 26494.

Roberta Garrett
Records Supervisor

Enclosure

MICROFILMED

PLEASE DETACH BEFORE DEPOSITING

No. 012014

DATE	INVC	JO.	REFERENCE	ICES	DEDUCTIONS	BALANCE
APR 12 83	12014		EXTENSTION	.15.00	.00	15.00

**CLEARWATER POTLATCH TIMBER
PROTECTIVE ASSOCIATION**

BOX 546

OROFINO, IDAHO 83544

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL

138435

CLEARWATER-POTLATCH TIMBER PROT. ASSN.
P.O. BOX 546
OROFIND, ID 83544

PROOF DUE NOTICE

MARCH 31, 1983

DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF YOUR WATER PERMIT NO. 83-7051 WAS THAT PROOF OF THE EXTENT OF YOUR BENEFICIAL USE MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE JUNE 01, 1983. (SEE LAST PAGE OF YOUR APPROVED PERMIT OR YOUR LAST APPROVED EXTENSION REQUEST). ENCLOSED IS A POSTCARD WHICH 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, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED. AN EXTENSION OF TIME REQUEST FORM IS ENCLOSED FOR YOUR CONVENIENCE.

EITHER THE BENEFICIAL USE POSTCARD OR A 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

RECEIVED
MAY 11 1983
DEPARTMENT OF WATER RESOURCES
BOISE, IDAHO

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

CLEARWATER-POTLATCH TIMBER PROT. ASSN.
P.O. BOX 546
OROFINO, ID 83544

MAY 20, 1981

RE: PERMIT NO. 83-7051

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL A MEASURING DEVICE, OR AN ACCESS PORT TO PROVIDE FOR THE INSTALLATION OF MEASURING EQUIPMENT BY THE DEPARTMENT. ENCLOSED PLEASE FIND A LIST OF MEASURING DEVICE OPTIONS, AND SPECIFICATIONS FOR THE INSTALLATION OF THE ACCESS PORT.

WE HAVE ENCLOSED A FORM ENTITLED "MAKING PROOF OF BENEFICIAL USE". PLEASE READ THE INSTRUCTIONS CAREFULLY SINCE YOU MUST TAKE FURTHER ACTION TO DEVELOP THIS PERMIT INTO A LICENSE.

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

RECEIVED
MAY 21 1981

Power Calculations for 83-7051 proposed

$$P = \text{Kw} \quad (\text{hp} \times .74)$$

$$Q = \text{cfs}$$

$$H = \text{ft}$$

$$e = \text{efficiency}$$

$$18.5 \text{ Kw}$$

$$5.0 \text{ cfs}$$

$$150 \text{ ft}$$

$$70\% \text{ \& } 50\%$$

Based on 70%

$$P = \frac{QHe}{11.8} = \frac{5 \times 150 \times .7}{11.8} = \frac{525}{11.8} = 44.5 \text{ Kw}$$

$$Q = \frac{P(11.8)}{He} = \frac{18.5(11.8)}{150 \times .7} = \frac{218.3}{105} = 2.07 \text{ cfs}$$

Based on 50%

$$P = \frac{QHe}{11.8} = \frac{5 \times 150 \times .5}{11.8} = \frac{375}{11.8} = 31.8 \text{ Kw}$$

$$Q = \frac{P(11.8)}{He} = \frac{18.5(11.8)}{150 \times .5} = \frac{218.3}{75} = 2.91 \text{ cfs}$$

Conclusion based on the calculation above the project efficiency would be less than 50%.

4/21/81

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, }
County of Clearwater } ss.

Nancy Noble

being first duly sworn, on oath, deposes and says:

That I am and at all times herein mentioned have been a citizen of the United States and of the State of Idaho, over 21 years of age, and that I am not a party to nor interested in the above entitled proceeding; that I am and at all times herein mentioned have been the Editor, Foreman, of THE CLEARWATER TRIBUNE: That said Clearwater Tribune is a newspaper of general circulation, printed and published weekly at Orofino, in the County of Clearwater and State of Idaho; that the Clearwater Tribune has been continuously and uninterruptedly published in Clearwater County, Idaho during the period of seventy-eight consecutive weeks prior to the first publication of attached copy of

Notice of Application for
Water Right - C-PTPA & Allen

That said Notice

of which the annexed is a full, true and correct printed copy, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for full period of two consecutive issues commencing on the 5th day of March, 1981, and ending on the 12th day of March, 1981

Subscribed and sworn to before me this 13th day of March, 1981

NOTARY PUBLIC IN AND FOR THE STATE OF IDAHO
RESIDING AT OROFINO THEREIN

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho:

83-7851

Clearwater-Potlatch Timber Prot. Assn.
P.O. Box 546, Orofino, ID 83544

Source: Stocking Meadow Creek tributary to Clearwater River, Ltd. N.F.

Date Filed: 02/23/1981

Amount: 5.00 CFS

Diversion Point: SENW Sec. 18 T 41N R 05E, Clearwater Co.

Use: Power (5.00 CFS) from 06/15 to 11/15

Place of Use: SESW Sec 18 T 41N R 05E

Diversion Means: Diversion Structure, Headbox, Channel, Penstock and Turbine.

84-7105

Allen, Francis E. &/or

Leona E.

P.O. Box 281, Orofino, ID 83544

Source: Springs tributary to Sinks

Date Filed: 02/20/1981

Amount: 0.10 CFS

Diversion Point: SENW Sec 12 T 36N R 02E, Clearwater Co.

Use: Stockwater (0.02 CFS) from 01/01 to 12/31; Domestic (0.08 CFS) from 01/01 to 12/31

Place of Use: SENW NENW Sec 12 T 36N R 02E

Diversion Means: Developed Springs, Pump and Pipeline.

If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 4055 Gov't Way, Coeur d'Alene, ID 83814 on or before March 23, 1981.

C. STEPHEN ALLRED
Director,
3-5,12c

MICROFILMED

83-2051-

CLEARWATER-POTLATCH TIMBER PROT. ASSN.

P.O. BOX 546, OROFINO, ID 83544

Source: STOCKING MEADOW CREEK tributary to CLEARWATER RIVER, LTL. N. F.

Date Filed: 02/23/1981

Amount: 5.00 CFS

Diversion Point: SENW Sec 18 T 41N R 05E, CLEARWATER Co.

Use: POWER (5.00 CFS) from 06/15 to 11/15

Place of Use: SESW Sec 18 T 41N R 05E

Diversion Means: DIVERSION STRUCTURE, HEADBOX, CHANNEL, PENSTOCK AND TURBINE.

RECEIVED

WALTER MALLORY, PRESIDENT
P. O. BOX 1016
LEWISTON, IDAHO 83501

D. KOPPANG, CHIEF FIRE WARDEN
PHONE (208) 476-4114
P. O. BOX 546 OROFINO, IDAHO 83544

**Clearwater-Potlatch
Timber Protective Association
Orofino, Idaho 83544**

April 2, 1981

Mr. Robert G. Haynes, P.E.
Department of Water Resources
4055 Government Way
Coeur d'Alene, Idaho 83814

Dear Sir:

Enclosed is the Affidavit of Residency which we have completed.

Since the form did not fit our organization, we have altered it somewhat.

If you need any further information, please contact us.

Sincerely,

M. O. KOPPANG
SEC.-TREAS.

By: *Faye Schultz*
Faye Schultz

MOK:fs

RECEIVED

RECEIVED

APR 7 1981

Department of Water Resources
Northern District Office

March 31, 1981

Clearwater-Potlatch Timber Protective Assn.
P. O. Box 546
Orofino, Idaho 83544

Re: 83-7051

Gentlemen:

Pursuant to Idaho law, any applicant appropriating water for power generation must submit an Affidavit proving they are a resident of this State.

During the staff review of your above-referenced application, it was discovered that you have not submitted an Affidavit of Residency. We are, therefore, enclosing an Affidavit form for you to complete and return to our office.

Your application has been normally processed up to this point. Please return the enclosed form so that we may complete the processing of your application.

Sincerely,

ROBERT G. HAYNES, P.E.
Regional Supervisor

RGH/pms

Enc. - Affidavit



PLEASE DETACH BEFORE DEPOSITING

No. 009268

DATE

INVC

NO.

REFERENCE

DICES

DEDUCTIONS

BALANCE

2/19/81 Application for permit for water right.
Stocking Meadow Creek

\$125.00

**CLEARWATER POTLATCH TIMBER
PROTECTIVE ASSOCIATION**

BOX 546

OROFINO, IDAHO 83544