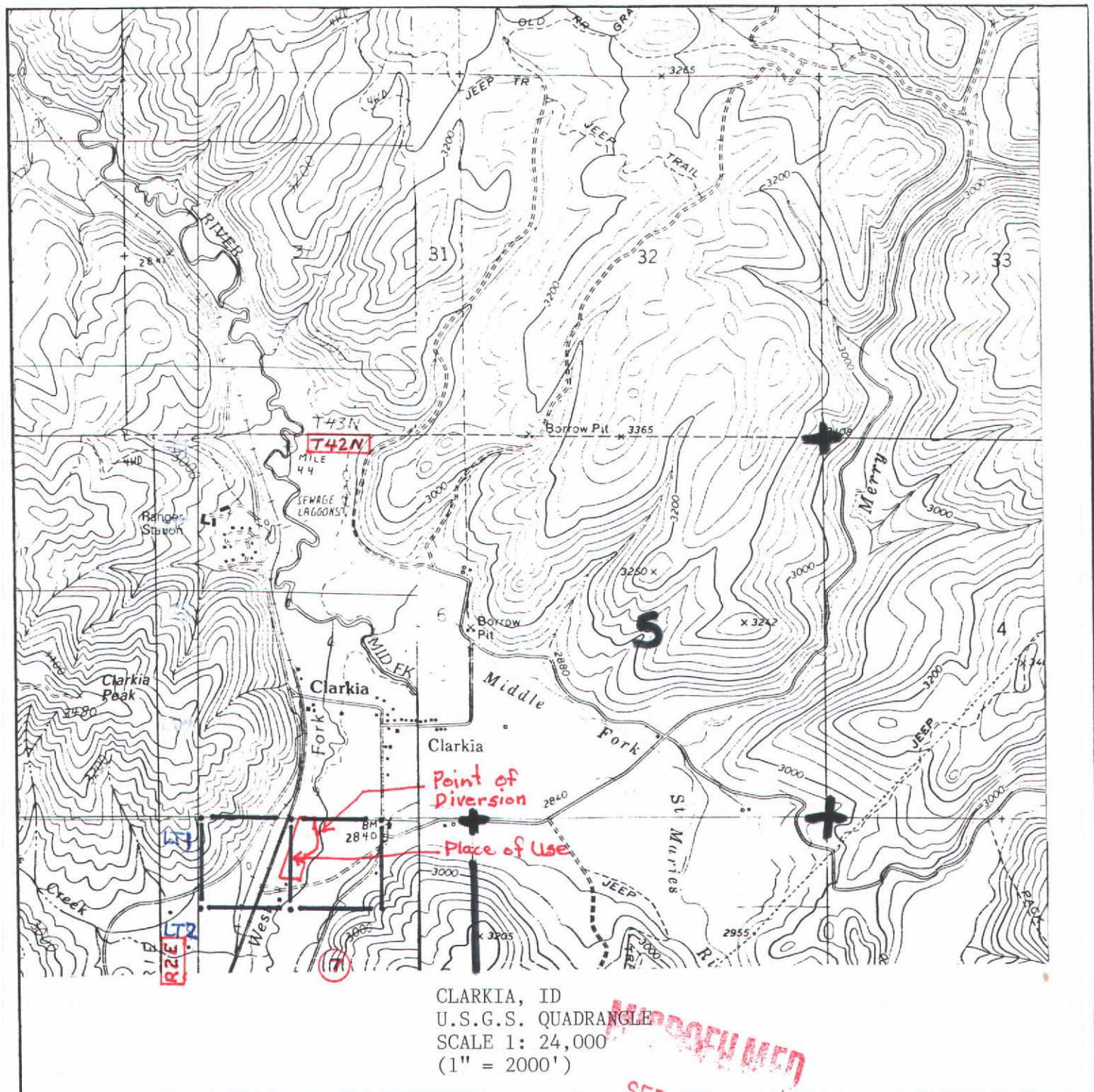


13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

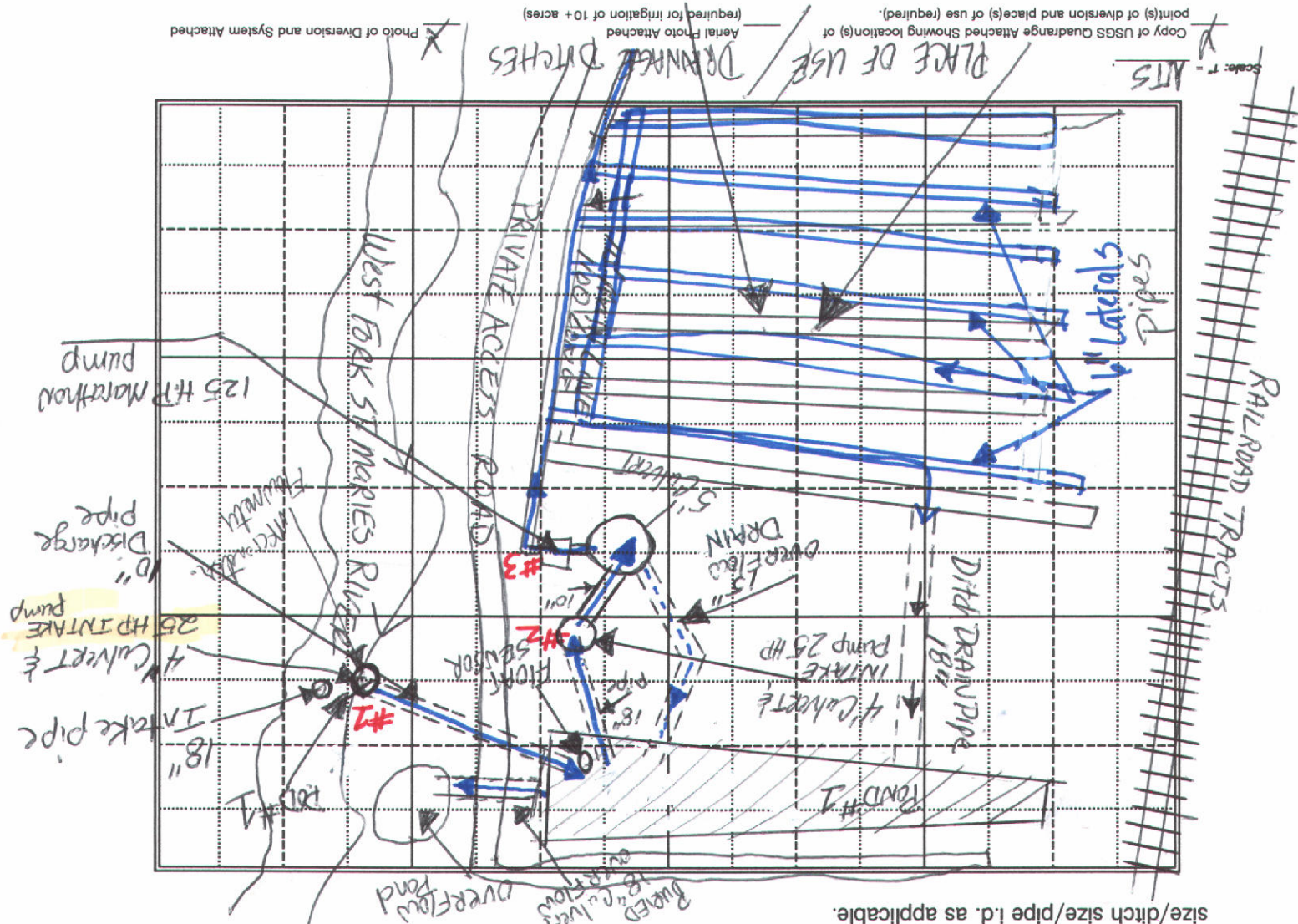


Scale: 2 inches equal 1 mile.

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.

[Signature]
 Richard Kelly
 (Applicant)

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



4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No. <i>Code</i>	Pump Make	Pump Serial No. or Discharge Size
PD#1	Landmark	25	BM-11	—	10"
* Withdrawal Pump #2	Landmark	25	BM-11	—	10"
* Distribution Pump #3	Marathon	125	8235-AR	Cornell 6"	8836/10"

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

D. FLOW MEASUREMENTS

1.

2. Measurements:

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Mcrometer Flowmeter						
420-450 gpm Reading @ 12.30 on 7-3-97						

T. 43N.

T. 42N.

T. 43N.

T. 42N.

MILE 44

SEWAGE LAGOONS

Ranger Station

Clarkia Peak

Clarkia

Clarkia

Middle Fork

St. Mary's River

Clarkia Creek

West Fork

RD #1

RD #1

Bechtel

RACETRACK

MICROFILM

APP'D 3-1-79

92-07218

T. 42N., R. 02E., Sec. 7

POTLATCH CORP.



18" Culvert
P.D.



STATE OF IDAHO
DEPT. OF WATER RESOURCES
REPORT SUPPLY
PHOTOGRAPH

P.D. FROM WEST FORK ST. RIVERS
MEASURE FOR FLOW METER

CHUCKLEBUSH
P.D.

APR 19 4008



PERMIT # 92-07218



125 HP Vertical Pump
overflow from part #2



Fleet Sensor for Pond Elevation
Discharge from Pond



92-07218

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
REPORT SUPPLY
TO G R A Y

PERMIT # 92-67218



STATE OF IDAHO
DEPT OF WATER
REPORT SUPP
OTOGRA

Pond #1
DRAINAGE Ditch / LATERAL



Overflow Pond (#2)
Pump 25 HP (#2)
APR 09 1998
SUNCOIL LIMITED



92-07218

PERMIT #

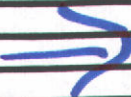
STATE OF IDAHO
DEPARTMENT OF WATER
AND REPORT SUPPLY
PHOTOGRAPH

DRYING DRYING



DRYING DRYING

MICROFILMED



State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 92-07218

Priority: May 4, 1995

Maximum Diversion Rate:

1.00 CFS

Maximum Diversion Volume:

39.0 AF

This is to certify, that POTLATCH CORP
PO BOX 1016

LEWISTON ID 83501-1016 has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated May 4, 1995; and
has submitted Proof of Beneficial Use on August 30, 1996. An examination indicates
that the works have a diversion capacity of 1.000 cfs of water from:

ST. MARIES RIVER, WEST FORK tributary to ST. MARIES 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>
INDUSTRIAL	03/01 to 11/01	1.00 CFS	39.0 AF

LOCATION OF POINT(S) OF DIVERSION:

NWNE , Sec. 7, Township 42N, Range 02E
SHOSHONE County

PLACE OF USE: INDUSTRIAL

TWN RGE SEC

42N 02E 7

NWNE

NENW

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 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 shall be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Use of water under this right may be affected by an agreement between the protestant and the right holder.
6. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.

MICROFILMED
APR 09 1998

State of Idaho
Department of Water Resources

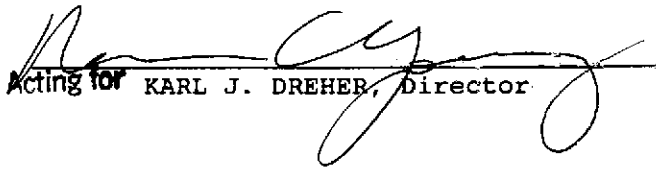
WATER RIGHT LICENSE

WATER RIGHT NO. 92-07218

CONDITIONS OF APPROVAL AND REMARKS

7. Water shall not be diverted under this right when flow in the St. Maries River is below the established minimum flow amount.
8. Industrial use is for watering log decks.

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 16th
day of MARCH, 1998.


Acting for KARL J. DREHER, Director

MICROFILMED
APR 09 1998

FOR OFFICE USE ONLY
Amt. of Fee \$: 100.00
Receipt No. C036437
Receipt By: KET
Date Received: 8.30.96

RECEIVED

AUG 30 1996

AUG 30 1996

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

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

1. Permit No. 92-07218 Telephone No. (208) 245-4146

2. Name(s) of Permit Holder(s): Potlatch Corporation

3. Mailing Address: P.O. Box 1016 Lewiston, ID 83501-1016

4. Source of Water: W.F. St. Maries River If **GROUNDWATER** (well), Date Drilled: mo. _____ / yr. _____

a. Well Driller: _____ Drilling Permit Number: _____ - _____ - _____ - _____

b. **OPTIONAL:**
 Pump Horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft): _____

5. Use(s) (as authorized by the water right permit):

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

Irrigation (No. of acres): Other: Industrial use is for watering log decks.

6. Total rate of diversion and/or volume for which proof is submitted: 1* cfs OR _____ acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes x or No

Has the measuring device been installed? Yes x or No

Flow Measurement Port: Is a flow measurement port required? Yes or No

Has the measurement port been installed? Yes or No

8. Fee Enclosed: \$ 100.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

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

Name: Bryce Coulter Telephone Number: (208) 245-6424

Address: P.O. Box 386 St. Maries, ID 83861-0386

10. The information given on this form 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.

Bryce Coulter

Signature of permit holder: Byron Coulter Log Flow Coordinator Date: 8-22-96
(include your title, if on behalf of company of organization)

* 1 cfs is the maximum instantaneous pumping rate for which the system is operated. Meter figures show a substantially lower average diversion rate because pump is only operated intermittently.

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 92-07218

Proposed Priority: May 4, 1995

Maximum Diversion Rate:

1.00 CFS

This is to certify, that **POTLATCH CORP**

PO BOX 1016

LEWISTON ID 83501-1016

has applied for a permit to appropriate water from:

ST MARIES RIVER, WEST FORK

tributary of **ST JOE RIVER**

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

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

INDUSTRIAL

03/01 to 11/01

1.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

NWNWNE , Sec. 7, Township 42N, Range 02E
SHOSHONE County

PLACE OF USE: INDUSTRIAL

TWN RGE SEC

42N 02E 7

NWNE

NENW

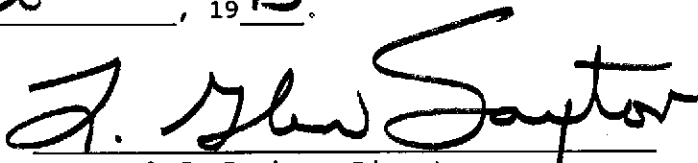
CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **September 1, 1996**.
2. Subject to all prior water rights.
3. Use of water under this right may be affected by an agreement between the protestant and the right holder.
4. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
5. Industrial use is for watering log decks.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.

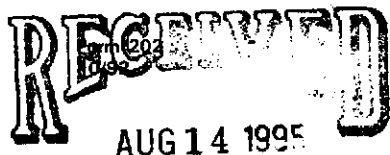
Witness the signature of the Director, affixed at Boise, this

17th day of August, 1995.



Karl J. Dreher, Director


SEP 15 1995

Ident. No. 92-7218STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Department of Water Resources To appropriate the public waters of the State of Idaho

1. Name of applicant Potlatch Corporation Phone 799-0123
Post office address P.O. Box 1016 LEWISTON, ID 83501
2. Source of water supply W. Fork of St. Maries River which is a tributary of St. Joe River
3. Location of point of diversion is NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Govt. Lot _____
Sec. 7 Township 42N Range 2E B.M. Shoshone County; additional
points of diversion if any: None
4. Water will be used for the following purposes:
Amount 1.0 Industrial
2.0 for log deck irrigation purposes from March 1 to Nov. 1 (both dates inclusive)
(cfs or acre-feet per annum) (log deck irrigation)
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) 20 1.0 and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
- a. Description of ditches, flumes, pumps, headgates, etc. The water will be pumped to a small
reservoir adjacent to the stream. The diversion pump (⁴⁵⁰~~900~~ gpm) will be located in
the adjacent pond and suction lift the water from the stream through a steel suction
pipe.
- b. Height of storage dam NA feet; active reservoir capacity NA acre-feet; total
reservoir capacity NA acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
- c. Proposed well diameter is NA inches; proposed depth of well is NA feet.
- d. Is ground water with a temperature of greater than 85°F being sought? NA
- e. If well is already drilled, when? NA; Drilling firm NA;
Well was drilled for (well owner) NA
7. Time required for the completion of the works and application of the water to be proposed beneficial use is
one years (minimum 1 year).

a. Hydropower; show total feet of head and proposed capacity in KW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality. _____

d. Domestic; show number of households. _____

e. Other; describe fully. The proposed use of the water is irrigation of the log decks to provide better storage conditions. ✓

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

b. If water is used for other purposes, place a symbol of the use (example: *D for Domestic*) in the corresponding column.

ponding place of use below. See instructions for standard symbols.

[illegible]

None

10

UOI

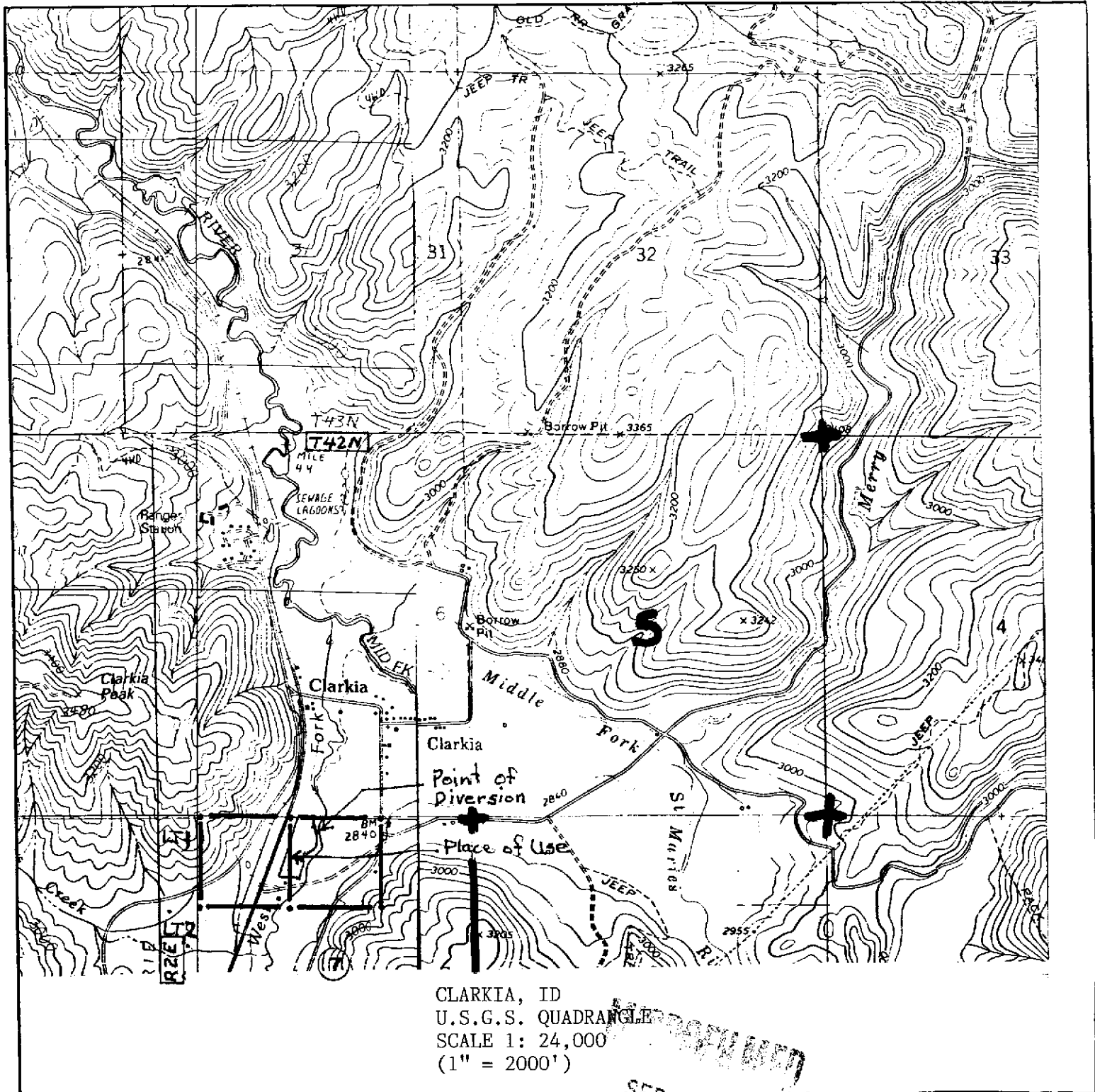
अथ

6. **Guidelines**

ks:

SEP 15 1995

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.

SEP 15 1995

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]
Richard Kelly
(Applicant)



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

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

March 16, 1998

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

POTLATCH CORP
PO BOX 1016
LEWISTON ID 83501-1016

RE: WATER RIGHT NO. 92-07218

Dear Water Right Holder(s):

The Department of Water Resources (the Department) has issued the enclosed license confirming that a water right has been established in accordance with the permit referenced above. The license is a preliminary order issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department unless a party petitions for reconsideration or files an exception and/or brief as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the Department within fourteen (14) days of the service date of this order. The Department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See section 67-5243(3), Idaho Code.

EXCEPTIONS AND BRIEFS

Within twenty-one (21) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding. Otherwise, this preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to this preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

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APR 03 1998

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ORAL ARGUMENT

If the Department grants a petition to review the preliminary order, the Department shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Department in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Department will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Department may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The Department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

If you have any questions, please call me at 208-327-7946.

Sincerely,



Shelley W. Keen
Water Rights Supervisor

SK:klt

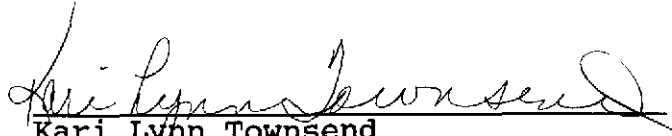
Enclosure

CERTIFICATE OF MAILING

I hereby certify that on the 16th day of March, 1998, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved License) to the person(s) listed below:

Water Right No. 92-07218

POTLATCH CORP
PO BOX 1016
LEWISTON ID 83501-1016


Kari Lynn Townsend
Secretary

MICROFILMED

APR 09 1998

MEMORANDUM

TO: File 92-07218

FROM: Sharla

DATE: March 10, 1998

RE: Telecon

On this date I spoke with Bryce Coulter (Log Flow Coordinator) concerning possible overlap with earlier License 92-07043. Bryce told me that the portable submersible pump used for dust abatement under the previous license is used upstream from the permanent pump used under 92-07218, in fact the two pumps are on separate power systems. The earlier license is used to fill water trucks for dust abatement.

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APR 09 1998

LICENSE REVIEW CHECKLIST

PERMIT NO. 92-07218

DATE 3/6/98

REVIEWER: SHARLA

NAME Change OK

Address Change NO

SOURCE Change OK

Is change clarification of originally intended source? NO

POINT OF DIV Change OK

If not, prepare Notice of Intent to Void NO

PLACE OF USE Change OK

Amendment required NO

Does map agree with written description? yes no

OVERLAPS P/D P/U

Overlap file pulled & reviewed NO

RATE OF DIV

Permitted Rate 1.0 cfs
 Fee limit 1.0 cfs \$100⁰⁰
 Measured .94 cfs 1.00
 Theoretical .63 cfs .78

1967,000
 2294,000
 355,000
 2061,000
 2133,000
 1081,000
 1225,000

Recommended Total Div Rate 1.00 cfs

11,116,000/7 mos.
 1,588,000 ave.
 39.6
 gpm.
 39.6
 af/yr
 for 8 mo.
 season

ANNUAL VOLUME/
 NATURE OF USES Use

Use	cfs	Volume Calc
<u>Ind</u>	<u>1.0</u>	<u>39.0</u> af
		af
		af
		af
SUBTOTAL	<u>1.0</u>	<u>39.0</u> af

Flow rate 1.0 cfs X 246 days X 1.98 = 487.1 af

Total volume recommended 39.0 af

(SUBTOTAL or Flow Rate, whichever is less)

REMARKS

Ind use watering log deck.

CONDITIONS

Watermaster Control WD# 020

01M GW Measurement/Measuring Device

Overlap

Use-specific conditions

Advancement of Priority Date Required yes no

SRBA Claim Filed NA
 Adjustment Memo NA

1st Amend Letter NA
 2nd Amend Letter NA

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 27 1998

Department of Water Resources
92-07218

A. GENERAL INFORMATION

Permit No.

1. Owner: Potlatch Corporation Phone No. (208)-245-6424

Current Address: PO BOX 1016 Lewiston, ID. 83501-1016

2. Accompanied by: BRYCE Coulter EXAM DATE: 7-3-97

Address: PO BOX 386, ST. Maries Id. Phone No. SAME AS ABOVE

Relationship to Permit Holder: Employee / Log Flow Coordinator ⁸³⁸⁶¹⁻⁰³⁸⁶

3. Source: West Fork St. Maries River tributary to ST. Maries River

B. OVERLAP REVIEW

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

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

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
<u>PD #1</u>	<u>N/A</u>	<u>NW</u>	<u>NW</u>	<u>NE</u>	<u>07</u>	<u>42N</u>	<u>02E</u>	<u>SHoshone</u>	<u>USGS 75' QUAD. Site Visit</u>

2. Place(s) of Use:

Indicate Method of Determination Site Visit, USGS QUAD

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
42N	02E	07		I			I											Industrial	

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APR 9 8 1998

2. Measurements:

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Mcrometer Flowmeter						
420-450 gpm Reading @ 12.30 on 7-3-97						

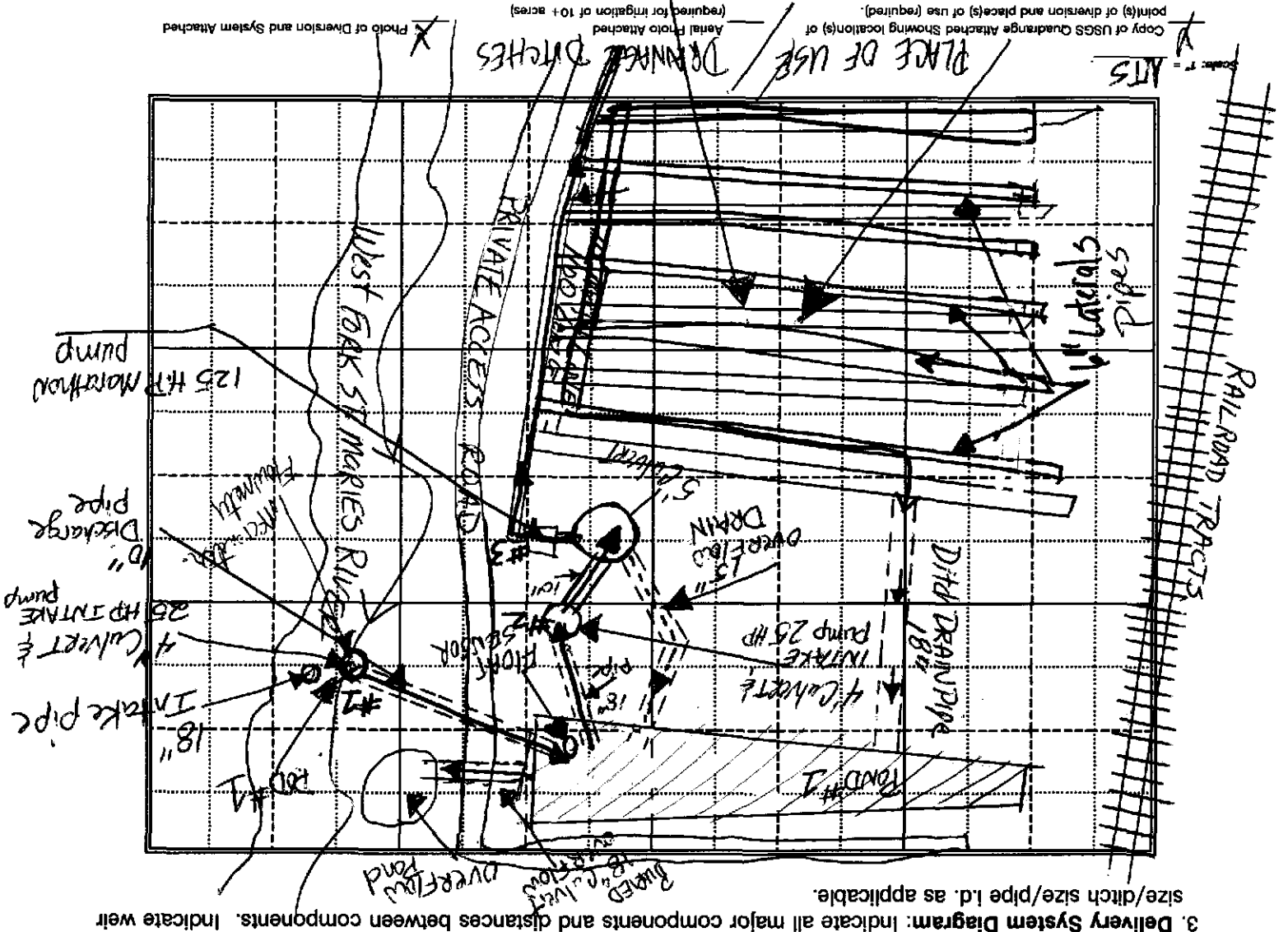
D. FLOW MEASUREMENTS

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No. (date)	Pump Make	Pump Serial No. or Discharge Size
PD #1	Landmark	25	BM-11	—	10"
* Withdrawal Pump #2	Landmark	25	BM-11	—	10"
* Distribution Pump #3	Marathon	125	8235-AR	Cornell 6"	9636/10"

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

4.

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



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

E. NARRATIVE/REMARKS/COMMENTS

System Consist of 25 H.P. Landmark intake pump that pumps water to a bentonite lined pond. A float sensor is located in the pond to controll when water is needed. From the pond a 25 H.P. pump intakes water from a 18" pipe and pumps it to a 5' diameter Culvert to where a 125 H.P. Marathon Motor and Cornell 6" pump distributes water through a 10" main line. The 5' diameter Culvert also has a 15" drain pipe that runs back to the pond. There are 6" inch laterals off the main line that have "T" fittings that utilize 3" flexible pipe to serve irrigation towers. The towers have big gun sprinkler heads that disperse water over log decks. The area that the log decks cover is 7 acres. Within the area that is irrigated, drainage ditches run parallel the 6" laterals to recapture water. The recaptured water drains back to the holding pond. There is also a overflow pond to capture water from pond #1 if it takes in to much water.

Pond #1 is 35' x 130' and is shaped like a TRIANGLE.

overflow Pond #2 is shaped round and is 30' x 40'.

* Period of use is actually longer than Volume Record Data Received from Permittee.

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

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APR 09 1998

F. FLOW CALCULATIONS

Measured Method:

* Additional Computation Sheets Attached
 See Theoretical Calculations
 McCombs Flowmeter (420 gpm to 450 gpm) needs work balancing
 from West Fork Diversion

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: * Based on Flowmeter Totalize Data from

1995 - 1996 combined. Volume is as follows

H. RECOMMENDATIONS

1. Recommended Amounts

1995 - 4261000
 1996 - 6855000

Beneficial Use

Industrial Use

From

To

Period of Use

Rate of Diversion

Q (cfs)

Annual Volume

V (ata)

Totals:

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

I. AUTHENTICATION

Field Examiner's Name

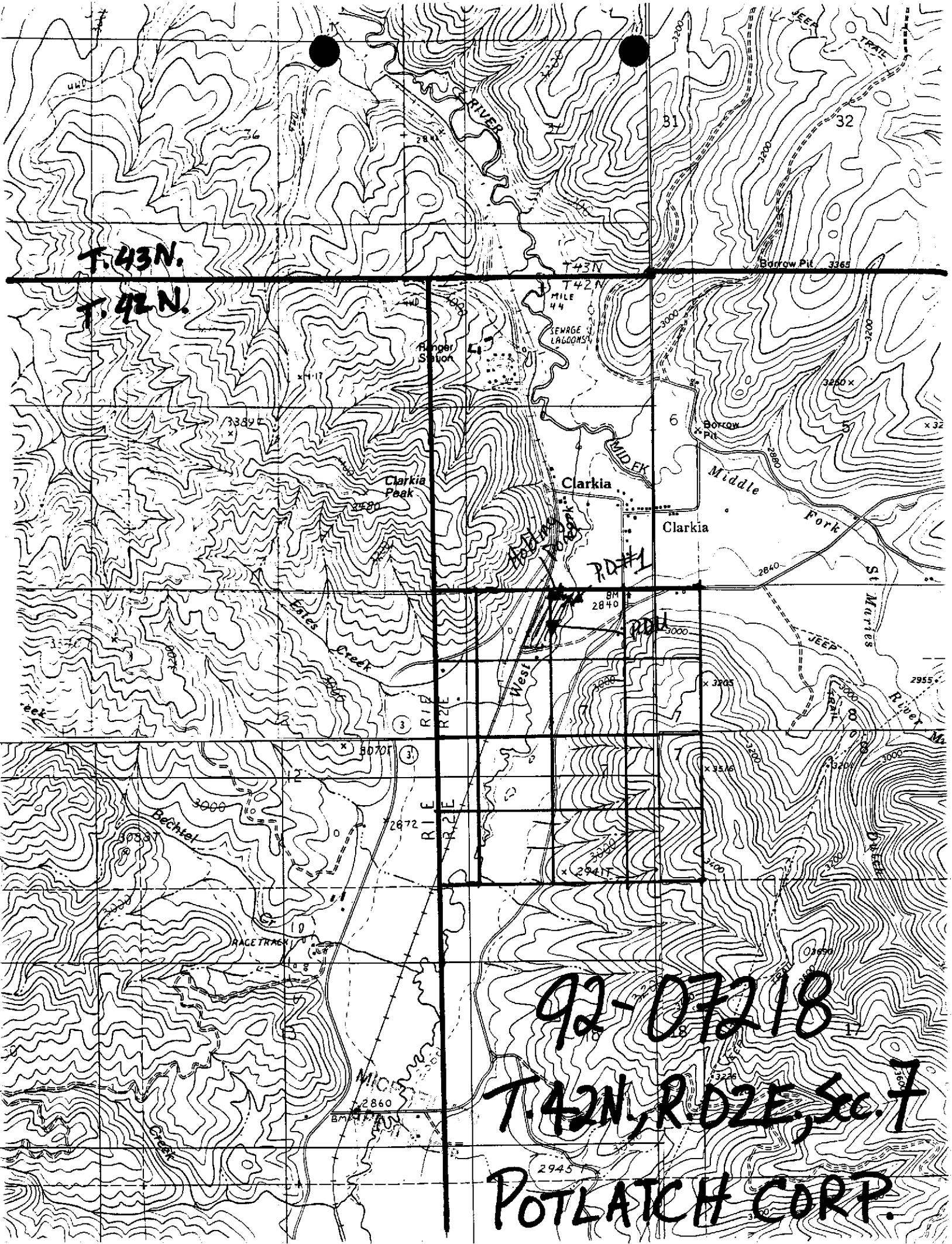
Date

Reviewer

SEAL

MICROFILMED

SEP 03 1995



T.43N.

T.42N.

T.43N.

T.42N.

MILE 4.4

SEWAGE LAGOONS

Ranger Station

Clarkia Peak

Clarkia

RD #1

RD #2

92-07218

T.42N., R.D2E., Sec. 7

POTLATCH CORP.

THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 92-07218
DATE: 16-JUL-97
COMPLETE BY: HERM

HORSEPOWER = 25

PUMP EFFICIENCY = 70%

DYNAMIC LIFT = 12 FEET

SYSTEM PRESSURE = 100 PSI

QUANTITY = 0.63 CFS

*System Varies
From
80-100 psi*

MICROFILMED
APR 09 1998

THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 92-07218
DATE: 16-JUL-97
COMPLETE BY: HERM

HORSEPOWER = 25

PUMP EFFICIENCY = 70%

DYNAMIC LIFT = 12 FEET

SYSTEM PRESSURE = 80 PSI

QUANTITY = 0.78 CFS

*System Varies
From 80-100
psi*

MICROFILMED
APR 03 1998

CLARKIA LANDING RIVER PUMP RECORD

08/05/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
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8/95	1		
8/95	2		
8/95	3		
8/95	4		
8/95	5		
8/95	6		
8/95	7		
8/95	8		
8/95	9	0	INSTALLED METER
8/95	10		
8/95	11		
8/95	12		
8/95	13		
8/95	14		
8/95	15		
8/95	16	486	486
8/95	17	525	39
8/95	18	546	21
8/95	19	625	79
8/95	20		
8/95	21	772	147
8/95	22	932	160
8/95	23	1086	154
8/95	24	1210	124
8/95	25	1313	103
8/95	26	1430	117
8/95	27		
8/95	28	1551	121
8/95	29	1762	211
8/95	30	1859	97
8/95	31	1967	108

MGAL/MO	MGAL/DAY
1967	140.50

Miss
Lyn
Thurston
6 Gallons

MICROFILMED
APR 09 1978

92-07218

CLARKIA LANDING RIVER PUMP RECORD

08/05/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
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9/95	1	2073	106
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9/95	2		
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9/95	3		0
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9/95	4		0
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9/95	5	2381	308
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9/95	6	2499	118
------	---	------	-----

9/95	7	2627	128
------	---	------	-----

9/95	8	2781	154
------	---	------	-----

9/95	9		
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9/95	10		
------	----	--	--

9/95	11		
------	----	--	--

9/95	12	3122	341
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9/95	13	3311	189
------	----	------	-----

9/95	14	3446	135
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9/95	15	3471	25
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9/95	16	3528	57
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9/95	17		
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9/95	18	3755	227
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9/95	19	3760	5
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9/95	20	3807	47
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9/95	21	3816	9
------	----	------	---

9/95	22	3899	83
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9/95	23		
------	----	--	--

9/95	24		
------	----	--	--

9/95	25	4184	285
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9/95	26	4261	77 SYSTEM DOWN
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9/95	27		FOR SEASON
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9/95	28		
------	----	--	--

9/95	29		
------	----	--	--

9/95	30		
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9/95	31		
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MGAL/MO MGAL/DAY

2294 120.74

MICROFILMED
APR 09 1998

CLARKIA LANDING RIVER PUMP RECORD

08/05/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
6/96	1		
6/96	2		
6/96	3		
6/96	4		
6/96	5		
6/96	6		
6/96	7		
6/96	8		
6/96	9		
6/96	10		
6/96	11		
6/96	12		
6/96	13		
6/96	14		
6/96	15		
6/96	16		
6/96	17		
6/96	18	4261	RESTART SYSTEM FOR SEASON
6/96	19		
6/96	20		
6/96	21	4535	274
6/96	22		
6/96	23		
6/96	24	4574	39
6/96	25		
6/96	26	4600	26
6/96	27	4612	12
6/96	28	4616	4
6/96	29		
6/96	30		
6/96	31		

MGAL/MO MGAL/DAY
355 71

*"M" stands for
Thousands of Gallons*

MICROFILMED
APR 08 1998

CLARKIA LANDING RIVER PUMP RECORD

08/05/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
7/96	1		
7/96	2	4716	100
7/96	3	4817	101
7/96	4		
7/96	5		
7/96	6		
7/96	7		
7/96	8	4890	73
7/96	9	4997	107
7/96	10	5078	81
7/96	11	5148	70
7/96	12	5291	143
7/96	13		
7/96	14		
7/96	15	5581	290
7/96	16	5700	119
7/96	17	5801	101
7/96	18	5947	146
7/96	19	6062	115
7/96	20		
7/96	21		
7/96	22	6064	2
7/96	23	6142	78
7/96	24	6240	98
7/96	25	6391	151
7/96	26	6528	137
7/96	27		
7/96	28		
7/96	29	6593	65
7/96	30	6677	84
7/96	31	6677	0

MGAL/MO	MGAL/DAY
2061	103.05

MICROFILMED
APR 03 1998

CLARKIA LANDING RIVER PUMP RECORD

10/25/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
8/96	1	6758	81
8/96	2	6858	100
8/96	3		
8/96	4		
8/96	5	6930	72
8/96	6	6972	42
8/96	7	7131	159
8/96	8		
8/96	9	7290	159
8/96	10		
8/96	11		
8/96	12		
8/96	13	7330	40
8/96	14	7435	105
8/96	15	7527	92
8/96	16	7617	90
8/96	17		
8/96	18		
8/96	19	7772	155
8/96	20	7877	105
8/96	21	8034	157
8/96	22	8149	115
8/96	23	8242	93
8/96	24		
8/96	25		
8/96	26	8394	152
8/96	27	8810	416
8/96	28		
8/96	29		
8/96	30		
8/96	31		

MGAL/MO	MGAL/DAY
2133	125.4706

MICROFILMED
APR 8 9 1998

CLARKIA LANDING RIVER PUMP RECORD

10/25/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
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9/96	1		
9/96	2		
9/96	3		
9/96	4	8830	20
9/96	5	8900	70
9/96	6	8953	53
9/96	7		
9/96	8		
9/96	9		
9/96	10	9306	353
9/96	11	9340	34
9/96	12	9400	60
9/96	13	9477	77
9/96	14	9543	66
9/96	15		
9/96	16	9563	20
9/96	17	9563	0
9/96	18	9563	0
9/96	19	9563	0
9/96	20	9564	1
9/96	21		
9/96	22		
9/96	23	9741	177
9/96	24		
9/96	25	9750	9
9/96	26	9765	15
9/96	27	9800	35
9/96	28		
9/96	29		
9/96	30	9891	91
9/96	31		

MGAL/MO	MGAL/DAY
1081	60.05556

MICROFILME
APR 9 8 1998

CLARKIA LANDING RIVER PUMP RECORD

10/25/96

MONTH/YR	DATE	METER M GALS	GALLONS USED M GALS
10/96	1	10104	213
10/96	2	10106	2
10/96	3	10254	148
10/96	4	10351	97
10/96	5	10507	156
10/96	6		
10/96	7	10525	18
10/96	8	10550	296
10/96	9	10660	110
10/96	10	10766	106
10/96	11	10845	79 DOWN FOR SEASON
10/96	12		
10/96	13		
10/96	14		
10/96	15		
10/96	16		
10/96	17		
10/96	18		
10/96	19		
10/96	20		
10/96	21		
10/96	22		
10/96	23		
10/96	24		
10/96	25		
10/96	26		
10/96	27		
10/96	28		
10/96	29		
10/96	30		
10/96	31		

MGAL/MO MGAL/DAY
1225 122.5

MICROFILMED
APR 8 8 PM

BIG GUN® PERFORMANCE TABLES

U.S. UNITS

METRIC UNITS

MODELS F100T, P100T & PC100T

24° Trajectory** Taper Bore Nozzle

P.S.I.	Nozzle ".5"		Nozzle ".55"		Nozzle ".6"		Nozzle ".65"		Nozzle ".7"		Nozzle ".75"		Nozzle ".8"		Nozzle ".85"		Nozzle ".9"	
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.
40	47	191'	57	202'	66	213'	78	222'	91	230'	103	240'	118	250'	134	256'	152	262'
50	50	205'	64	215'	74	225'	87	235'	100	245'	115	255'	130	265'	150	273'	165	280'
60	55	215'	68	227'	81	240'	96	250'	110	260'	126	270'	143	280'	164	286'	182	292'
70	60	225'	75	238'	88	250'	103	263'	120	275'	136	283'	155	295'	177	302'	197	310'
80	64	235'	79	248'	94	260'	110	273'	128	285'	146	295'	165	305'	189	314'	210	322'
90	68	245'	83	258'	100	270'	117	283'	135	295'	155	306'	175	315'	201	326'	223	333'
100	72	255'	87	268'	106	280'	123	293'	143	305'	163	316'	185	325'	212	336'	235	345'
110	76	265'	92	278'	111	290'	129	303'	150	315'	171	324'	195	335'	222	344'	247	352'

*The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

**Note: 5" and 5.5" taper nozzle available only with PC100 and F100.

MODELS F100R, P100R & PC100R

24° Trajectory** Ring Nozzle

P.S.I.	Ring 712" GPM DIA	Ring 785" GPM DIA	Ring 812" GPM DIA	Ring 857" GPM DIA	Ring 885" GPM DIA	Ring 927" GPM DIA	Ring 965" GPM DIA
50	74 220'	88 225'	100 230'	115 240'	129 250'	150 255'	167 260'
60	81 235'	96 240'	110 245'	125 260'	141 270'	164 275'	183 280'
70	88 245'	104 250'	118 260'	135 275'	152 290'	177 295'	198 300'
80	94 255'	111 265'	127 275'	145 285'	163 300'	189 305'	211 315'
90	99 265'	117 275'	134 285'	154 295'	173 310'	201 315'	224 325'
100	105 270'	124 280'	142 295'	162 305'	182 320'	212 325'	236 335'
110	110 275'	130 290'	149 305'	170 315'	191 325'	222 335'	248 345'

*The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

MODELS F100T, P100T & PC100T

24° Trajectory** Taper Bore Nozzle

NOZZLE DIAMETER	0.5"	0.55"	0.6"	0.65"	0.7"	0.75"	0.8"
DIAMETER	12.7mm	13.97mm	15.2mm	16.5mm	17.8mm	19.05mm	20.3mm
PRESSURE	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M
3.0	3.00 10.8 99.5	3.73 13.4 82.6	4.33 15.6 66.1	5.09 18.3168.8	5.84 21.071.4	6.71 24.174.5	7.61 27.611.9
4.0	3.40 12.2 64.3	4.25 15.3 67.8	5.00 18.0 71.8	5.86 21.1 74.8	6.82 24.6 77.8	7.73 27.861.0	8.69 31.2 80.3
5.0	3.79 13.6 69.0	4.72 17.0 72.7	5.59 20.1 76.4	6.56 23.6 80.2	7.62 27.5 84.4	8.66 31.286.7	9.73 35.1 89.3
6.0	4.17 15.0 73.4	5.14 18.5 77.3	6.12 22.1 80.7	7.19 25.8 85.0	8.35 30.1 88.7	9.51 34.391.6	10.7 38.6 95.3
7.0	4.53 16.3 77.6	5.52 19.9 81.6	6.61 23.8 85.0	7.75 27.9 89.3	9.02 32.5 93.0	10.3 37.096.1	11.6 41.2 100.0
8.0	4.89 17.6 81.7	5.84 21.0 85.7	7.07 25.5 89.3	8.25 29.7 93.1	9.54 34.8 97.3	10.95 39.499.7	12.4 44.1 104.0

*The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

**Note: 5" and 5.5" taper nozzle available only with PC100 and F100.

MODELS F100R, P100R & PC100R

24° Trajectory** Ring Nozzle

NOZZLE DIAMETER	0.712"	0.785"	0.812"	0.857"	0.885"	0.927"	0.965"
DIAMETER	18.0mm	19.5mm	20.6mm	21.8mm	22.7mm	23.8mm	24.7mm
PRESSURE	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M
3.5	4.66 16.7 67.0	5.58 20.0 69.0	6.36 22.9 70.0	7.24 26.1 73.0	8.10 29.2 76.2	9.02 32.4 80.3	9.98 35.6 84.4
4.0	4.98 17.9 70.6	5.96 21.4 71.8	6.80 24.5 73.6	7.74 27.9 77.3	8.66 31.2 80.3	9.58 34.8 84.4	10.5 38.2 87.3
5.0	5.57 20.0 75.4	6.56 24.0 76.7	7.60 27.4 79.7	8.65 31.2 84.4	9.68 34.8 88.4	10.7 38.2 91.3	11.8 42.4 94.3
6.0	6.10 21.9 79.7	7.30 26.2 82.7	8.33 30.0 85.7	9.48 34.1 88.7	10.6 38.2 91.3	11.8 42.4 94.3	13.0 46.5 97.3
7.0	6.59 23.7 82.0	7.88 28.0 85.0	9.00 32.3 90.0	10.2 36.9 93.0	11.5 41.2 96.2	12.8 45.4 99.2	14.1 49.6 102.0
8.0	7.04 25.3 84.9	8.43 30.3 89.3	9.64 34.8 94.3	11.0 39.4 97.3	12.3 44.1 100.0	13.7 48.3 103.0	15.1 52.4 106.0

*The diameter of throw is approximately 3% less for the 21° trajectory angle, 6% less for 18° and 9% less for 15°.

**Note: 5" and 5.5" taper nozzle available only with PC100 and F100.

MODELS F150T & P150T

24° Trajectory** Taper Bore Nozzle

P.S.I.	Nozzle 7"	Nozzle 8"	Nozzle 9"	Nozzle 1.0"	Nozzle 1.1"	Nozzle 1.2"	Nozzle 1.3"
	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.
50	100 250'	130 270'	165 290'	205 310'	255 330'	300 345'	350 360'
60	110 265'	143 285'	182 305'	225 325'	275 345'	330 365'	385 380'
70	120 280'	155 300'	197 320'	245 340'	295 360'	355 380'	415 395'
80	128 290'	165 310'	210 335'	260 355'	315 375'	380 395'	445 410'
90	135 300'	175 320'	223 345'	275 365'	335 390'	405 410'	475 425'
100	143 310'	185 330'	235 355'	290 375'	355 400'	425 420'	500 440'
110	150 320'	195 340'	247 365'	305 385'	370 410'	445 430'	525 450'
120	157 330'	204 350'	258 375'	320 395'	385 420'	465 440'	545 460'

*The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F150T & P150T

24° Trajectory** Taper Bore Nozzle

NOZZLE DIAMETER	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"
DIAMETER	25.4mm	31.75mm	38.1mm	44.45mm	50.8mm	57.15mm	63.5mm
PRESSURE	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M
3.5	6.39 23.0 75.0	8.28 29.8 82.0	10.5 37.8 88.0	13.0 46.9 95.0	15.9 57.1 101	18.9 68.2 111	21.9 79.3 121
4.0	6.83 24.6 79.6	8.86 31.8 85.6	11.2 40.4 91.6	13.9 50.1 97.8	16.9 61.0 104	19.9 72.1 114	22.9 83.2 124
5.0	7.53 27.5 85.4	9.91 35.7 91.6	12.6 45.2 98.6	15.6 56.0 105	18.9 68.2 111	21.9 79.3 121	24.9 90.4 131
6.0	8.38 30.1 89.7	10.9 39.1 96.7	13.8 49.1 104	17.0 61.3 110	20.8 74.7 117	23.8 86.1 124	26.8 97.3 131
7.0	9.03 32.5 95.0	11.7 42.2 101	14.9 53.5 108	18.4 66.3 114	22.4 80.7 122	25.4 91.5 131	28.4 102.7 138
8.0	9.66 34.8 99.3	12.5 45.1 105	15.9 57.2 112	19.7 70.8 118	24.0 86.3 126	27.0 97.3 134	30.0 108.5 140
9.0	10.2 36.9 104	13.3 47.9 110	16.8 60.8 117	20.9 75.1 123	25.4 91.5 131	28.4 102.7 138	31.4 113.7 144

*The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F150R & P150R

24° Trajectory** Ring Nozzle

P.S.I.	Ring 88"	Ring 97"	Ring 108"	Ring 118"	Ring 126"	Ring 134"	Ring 141"
	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.
50	100 245'	130 265'	165 285'	205 300'	255 320'	300 335'	350 350'
60	110 260'	143 280'	182 300'	225 315'	275 335'	330 350'	385 365'
70	120 270'	155 290'	197 310'	245 330'	295 350'	355 365'	415 380'
80	128 280'	165 300'	210 320'	260 340'	315 360'	380 380'	445 395'
90	135 290'	175 310'	223 330'	275 350'	335 370'	405 390'	475 405'
100	143 300'	185 320'	235 340'	290 360'	355 380'	425 400'	500 415'
110	150 310'	195 330'	247 350'	305 370'	370 390'	445 410'	525 425'
120	157 315'	204 335'	258 360'	320 380'	385 400'	465 420'	545 435'

*The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F150R & P150R

24° Trajectory** Ring Nozzle

NOZZLE DIAMETER	0.88"	0.97"	1.08"	1.18"	1.26"	1.34"	1.41"
DIAMETER	21.8mm	24.6mm	27.4mm	30.0mm	32.0mm	34.0mm	36.0mm
PRESSURE	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M	US M³/H M
3.5	6.41 23.1 75.0	8.32 30.0 81.0	10.5 37.9 87.0	13.0 46.8 91.0	15.9 57.2 98.0	18.9 68.2 104	21.9 79.3 110
4.0	6.85 24.7 78.0	8.88 32.0 84.0	11.2 40.5 90.0	13.9 50.0 95.0	16.9 61.0 101	19.9 72.1 107	22.9 83.2 113
5.0	7.66 27.6 82.4	9.94 35.8 88.4	12.6 45.3 95.4	15.6 56.0 101	18.9 68.2 107	21.9 79.3 113	24.9 90.4 119
6.0	8.39 30.2 88.7	10.9 39.2 93.3	13.8 49.1 100	17.0 61.3 106	20.8 74.7 112	23.8 86.1 118	26.8 97.3 124
7.0	9.06 32.6 91.0	11.7 42.2 96.0	14.9 53.5 104	18.4 66.3 110	22.4 80.7 118	25.4 91.5 124	28.4 102.7 130
8.0	9.69 34.9 95.4	12.5 45.3 101	15.9 57.3 108	19.7 70.8 114	24.0 86.3 120	27.0 97.3 126	30.0 108.5 132
9.0	10.3 37.0 97	13.3 48.0 103	16.8 60.8 113	20.9 75.1 119	25.4 91.5 125	28.4 102.7 132	31.4 113.7 138

*The diameter of throw is approximately 3% less for the 21° trajectory angle.

MODELS F200T & P200T

21° Trajectory** Taper Bore Nozzle

P.S.I.	Nozzle 1.05"	Nozzle 1.1"	Nozzle 1.2"	Nozzle 1.3"	Nozzle 1.4"	Nozzle 1.5"	Nozzle 1.6"	Nozzle 1.75"	Nozzle 1.9"
	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.	GPM DIA.
60	260 345'	285 355'	330 375'	385 390'	445 410'	515 430'	585 445'	685 470'	825 495'
70	270 360'	310 380'	355 395'	415 410'	480 430'	555 450'	630 465'	755 495'	890 515'
80	290 375'	330 395'	380 410'	445 430'	515 450'	590 470'	675 485'	805 515'	950 535'
90	310 390'	350 410'	405 425'	475 445'	545 485'	625 485'	715 505'	855 535'	1005 555'
100	325 400'	370 420'	425 440'	500 460'	575 480'	660 500'	755 520'	900 550'	1060 575'
110	340 410'	390 430'	445 450'	525 470'	605 495'	695 515'	790 535'	945 565'	1110 590'
120	355 420'	405 440'	465 460'	545 480'	630 505'	725 530'	825 550'	985 580'	1160 605'
130	370 425'	425 445'	485 465'	565 485'	655 515'	755 540'	860 560'	1025 590'	1210 620'

92-07218

PERMIT #

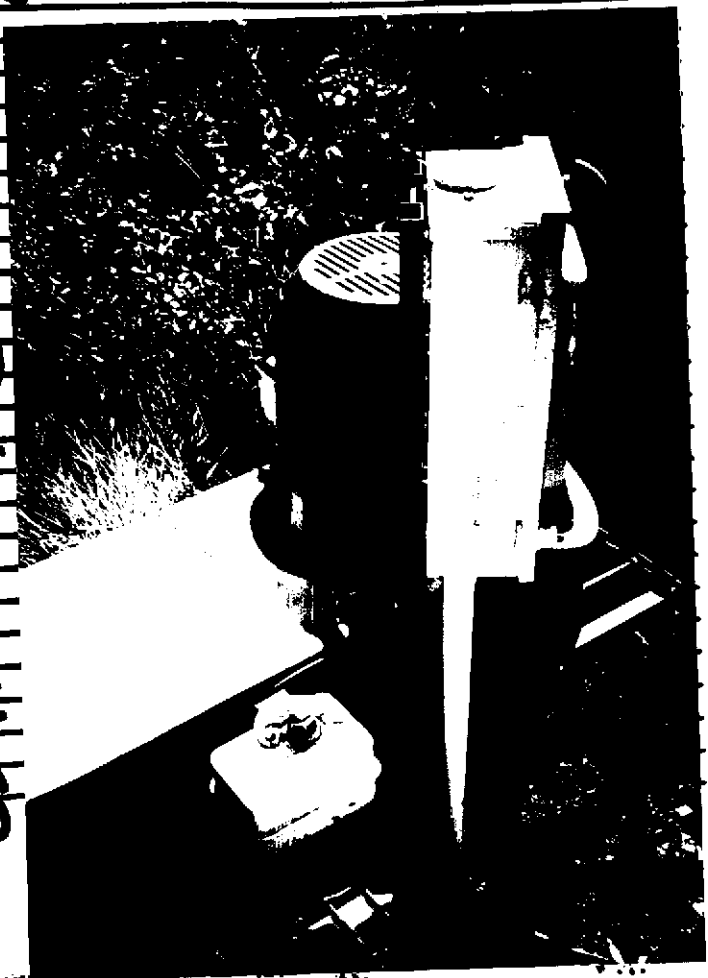
STATE OF IDAHO
DEPT. OF WATER RESOURCES
WATER SUPPLY
BUREAU OF HYDROGRAPHY

P.O.D. From West Fork, St. Mary's

Measure for Flow meter

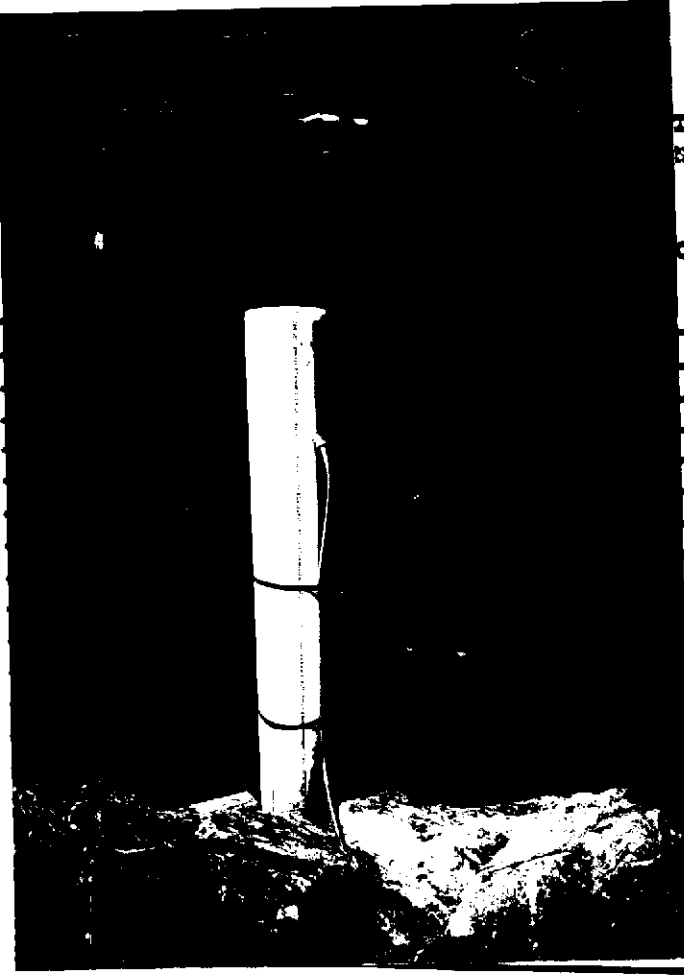


25.4 ft. Range P.O.D.





125 HP Matashan Pump
overhaul from Purp #2



Fleet Service for Pond Elevation
Discharge from Pond



97-17718

STATE OF IDAHO
DEPT OF WATER
REPORT SHEET
C O T O G R A M



POND #1
DRAINAGE DITCH / LATERAL LANE



Overflow Pond (#2)
PUMP 25 HP (#2)



92-07218

PERMIT #

STATE OF IDAHO
DEPARTMENT OF WATER
AND REPORT SUPP
PHOTOGRAPH



DRAINAGE DITCHES
↓



PLACE OF USE AND
↓
NICHOL FILMED



**ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE**

Permit No. 92-07218 Reviewed by [Signature] Date 10-9-96

GENERAL CONSIDERATIONS

TYPES OF USE

yes Name same as permit?
yes Address same as permit?
yes Proof timely received? Correct Uses? yes
If not, complete calculation below.

SOURCE OF WATER

✓ Surface water source
 Ground water source
 Drilling permit required?
 Copy in the file? Drilling Permit No.
 Amount paid for permit Correct?
 Well log in the file?

LICENSE EXAMINATION FEE

MEASURING DEVICE

yes Required?
100- Amount Submitted
yes Correct?
yes Required?
yes Installed?
 Waiver requested?

PRIORITY CALCULATION

Date proof received	<u> </u>	<u> </u>
Date proof due	<u> </u>	<u> </u>
No. of days late	<u> </u>	<u> </u>
Priority Date	<u> </u>	<u> </u>
New Priority Date	<u> </u>	<u> </u>

DEFICIENCIES OR ACTION ITEMS

Proof acceptable

DATA ENTRY

New Address X Proof Made 8-30-96



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**

October 9, 1996

DASHA BELKOVA
PO BOX 88
NEW MEADOWS ID 83654-0088

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 78-07347

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.

Please be advised that Section 42-248, Idaho Code, which became affective on July 1, 1996, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Please contact any office of the department for the proper form to file a change of ownership of a water right and/or a change in the address of the owner. Failure to maintain current records with the department could result in the assessment of a monetary penalty.

If you have questions concerning the field examination, contact the **WESTERN** Regional Office in Boise, at (208)334-2190.

Sincerely,

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

OCT 11 1996

RECEIVED

AUG 30 1996

Department of Water Resources

Potlatch

Potlatch Corporation

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

August 28, 1996

Ms. Julie L. Yarbrough
State of Idaho
Department of Water Resources
1301 North Orchard Street
Statehouse Mail
Boise, ID 83720-9000

Dear Ms. Yarbrough:

Re: Permit No. 92-07218

In response to your letter of June 30, 1996, enclosed is our completed Proof of Beneficial Use form which you requested. Also enclosed is our check for \$100.00 to cover the license examination fee.

If you have any questions you may call me at 208-245-6424.

Sincerely,

Bryce Coulter

Bryce Coulter
Log Flow Coordinator

RBC(sjw)
Enclosures

RECEIVED
OCT 11 1996

June 30, 1996

POTLATCH CORP
PO BOX 1016
LEWISTON ID 835011016

PROOF DUE NOTICE

RE: PERMIT NO. 92-07218

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 September 1, 1996. (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.

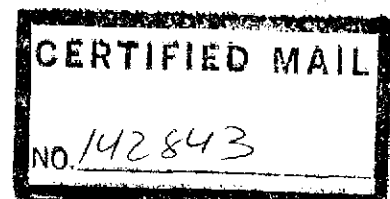
Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the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

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

100-11114-3
OCT 11 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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

August 17, 1995

POTLATCH CORP
PO BOX 1016
LEWISTON ID 83501-1016

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 92-07218

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. Please be sure to thoroughly review the "CONDITIONS/REMARKS:" listing on the permit.

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

Please note that a separate stream channel alteration permit must be obtained from the IDWR prior to any activity in the stream channel other than construction or maintenance of the diversion structure for your water right(s). Applications for stream channel alteration permits must be filed at least sixty days prior to the commencement of work in the stream.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosures

RECEIVED
SEP 15 1995

APPLICATION FOR PERMIT
STATE OFFICE REVIEW
by Cindy Zimmerman

No.: 92-7218 Name: Potlatch Corp Date: 8/15/95 Ad OK? ✓
Correct Fee? ✓ Receipt #: N8881 Priority: 5/4/95 ✓ Gvmt Lts: ✓

AREA OF CONCERN? - No/Yes _____ Mor _____ GWMA Trust/Non-trust
PROTESTED: *note reduced & protest withdrawn* - 020 (Protest Agr) or W19 (See Final/Prelim Order)
SYSTEM COMPLETED:

Yes/proof filed - NA
1 year/no proof - P16
+1 year - 26A-P17

GROUNDWATER: <✓ FLO-CH>

+ 0.2 cfs - 01M
=/- 0.2 cfs - No MD
=/+ 5 a. (POU cmp) - 01M, 065 (if GW use SW 1st)

Drilling Permit:

Existing well - NA (pre 7/1/87)
Included w/permit - Permit No. _____, P99
No WD permit? - 046-46B-P23 (post 7/1/87)
irr. in WD - P05 (new well)

SURFACE WATER <✓ FLO-CH> (Surface water that doesn't sink in WD):

Water District (~~dem~~) - 005 (req) WD # _____ <SEE MAP & LISTING>
+ 0.2 cfs - 028 (may report) -01J (meas dev) -P08
=/- 0.2 cfs - 028 (may report) -01H (lock dev) -P01 or No MD
=/+ 5 a. irr. - 028 (may report) (POU cmp)
~~In~~ WD + 0.2 cfs - 01M or No MD (in-stream)
- 0.2 cfs - No MD
=/+ 5 a. irr. - 01M

RIVER BASINS (*Surface water):

Snake R (01) - 11A-P04, NA
(02/03) - 007-P07 (w/remark WB9), NA
Boise R (63) - 05A (if WD), 11E (not 42-111 use), NA
Payette R (65) - 064 (consump. use), 047-P04 (Payette Lake), NA

USE:

Domestic (surface) - 021 (Boise R + L Peak); 27A (Payette R); NA
Fish Propagation - 07A-042 (rq) -010/06A/09E (WQ) -P10; 044 (N 1000 Spr)
Irr =/- 5 acres - 057 (0.03 cfs/A) <DO POU COMPARISON>
+ 5 acres - 03A (0.02 cfs/A) <DO POU COMPARISON>
Mining - 054 (req) & 06A/010/09E-P10
Power - 08A-17K-025-027-01M-01F (P19) -09E (P10);
+25 cfs-P18; 17G (FERC) or 17M (FERC); 18B-P09
Storage (✓ 3 compo.) - 18A (multi MD in WD), 18B-P09 (+10' dam), NA

LOCATION:

Boise Front LoGeo - 058 (-85° GW temp only)
In-stream dev. - P52 (stream channel alteration)
Irr Dist/Canal Co. - 023 (Twin Falls area)
Swan Falls Flag - B <SEE CONDITION CODE CHART>
Trust - 051-052-053-P74 (Consumptive Uses), NA
Non-Trust <1> - 048-049 (Consumptive Uses), NA

OWNERSHIP: Non-land owner

OTHER CONDITIONS:

STANDARD REMARKS:

01 and / water logs decks.

BENEFICIAL USE DUE:

COMMENTS:

9-1-1996

Corp off.

RECEIVED
4/87 06/92
AUG 14 1995

IDAHO DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

EWRI
WRapps
BC

Department of Water Resources APPLICATION # 92-7218
***** INITIAL REVIEW *****

APPLICANT: POTLATCH BY: AB DATE: 5/4/95

ITEM REQUIRED INFORMATION

1. (X) Name and Address
2. (X) Source
3. (X) Point of Diversion & County
4. (X) Quantity
(X) Nature of Proposed Use
(X) Period of Use
5. (X) Total Quantity
6. (X) Description of diverting works
7. (X) Time required for b/u
8. (X) Proposed use
9. (X) Place of use or acres irrigated
10. (X) Other Water Rights
11. (X) Ownership
13. (X) Map
(X) Signature
(X) Fee (Amt, recpt, acknowledgment)

*** Send info sheet Y() N()

ADDITIONAL INFORMATION

Yes No

- Y Field check: by _____
Y Field report attached _____
Y Analysis Supp. attached (>5cfs/500af) _____
Y Water delivered by water master? _____
Water District # _____

PROCESSING

Yes No

PRIORITY DATE: 5/4/95

Y (Include Moratorium Remark)

Y Statewide Avertising: (Diversion rate greater than 10 cfs or 1,000 af).

NP/Plum ok

ADVERTISE IN: SHOSHONE County.

LETTERS SENT REQUESTING:

- () Dam Information () Fish Information
() Power Information () Other: N/A

INFORMATION RECEIVED:

- () Dam Information () Fish Information
() Power Information () Other: N/A

***** GROUNDWATER SECTION *****

(Yes) (No)

Checked by: _____ Date: ____/____/____

Remarks: _____

- Y Groundwater management area
Y Critical ground water area
Y Well Drilling Permit required
Y Well Drilling Application and Fees received
Y Well Drilling Application approved?
Well Drilling Application Number _____

***** FINAL REGIONAL PROCESSING/REVIEW *****

(Yes) (No)

- Y Notice of pending void order issued. Final order response date: ____/____/____
Y Further information required from applicant
7/21 Y Affidavit of publication received
7/21 Y Application published correctly, If not, record action taken: _____
6/28 Y Publication dates and paper recorded on application | Sr. Agent initial AB
Y Y Protests received. Final protest date: 7/24/95
Y Y Measuring device required
Y Y Measuring port required
Y Y Special conditions: _____
Y Y Special conditions of approval supplement and/or cover letter attached:

Approval Recommended by: AB RUT Date: 8/3/95

June 28, 1995

Potlatch Corporation
P O Box 1016
Lewiston, ID 83501

Subject: Water Appropriation Application for Permit Number 92-07218

Dear Potlatch Corporation:

The Idaho Department of Water Resources hereby acknowledges receipt of the above-referenced Application for Permit to appropriate the Public Waters of the State of Idaho. Enclosed is Receipt Number N008881. To assist us in providing you with prompt, accurate service, please refer to the above Application for Permit Number in all future matters concerning this water right application.

Your Application for Permit is currently being prepared for advertising in the local county newspaper. The advertisement will be published for two consecutive weeks followed by a waiting period of ten days to allow for submittal of protests.

If your application is not protested, it will be forwarded to Boise for processing. Normal processing time is approximately 3 to 4 months, if the application is not protested. If your Application for Permit is protested, you will be sent a copy of the protest and instructions to aid you in resolving the protest without a hearing. All protests must be resolved before your Application for Permit can be approved. If the protest is not resolved, this Department will conduct a conference and/or hearing on the matter.

You will receive your approved Application for Permit and instructions on filing the Proof of Beneficial Use from our State Office in Boise.

If your Application for Permit is for a well (groundwater) that was constructed after July 1, 1987, you must apply for a well drilling permit upon approval of your Application for Permit if no permit was obtained by previous owners to construct the well. Well Drilling Permits can only be issued by this office to holders of approved Applications for Permit.

If I can be of further assistance, please feel free to contact me at this office.

Sincerely,

ALLEN BEARDSLEE
Senior Water Resource Agent
Enc. - Receipt

RECEIVED

SEP 15 1995

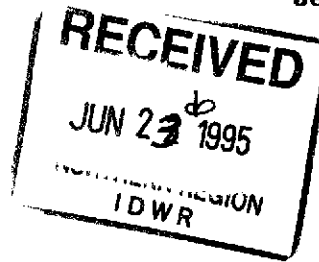
**IDAHO FISH & GAME**

PANHANDLE REGION
2750 Kathleen Avenue
Coeur d'Alene, Idaho
83814

Phone (208) 769-1414 • Fax (208) 769-1418

Philip E. Batt / Governor
Jerry M. Conley / Director

June 22, 1995



Mr. Robert G. Haynes
Idaho Department of Water Resources
1910 Northwest Boulevard, Suite 210
Coeur d'Alene, ID 83814

Dear Bob:

REFERENCE: POTLATCH WATER RIGHT FOR CLARKIA LOG YARD

As you are aware, we have been discussing Potlatch Corporation's proposal to divert 2.0 cfs from the St. Maries River with their representatives. Estimated base flow at the proposed point of diversion is approximately 5.0 cfs. Diverted water would be used to preserve log quality at Potlatch's Clarkia log yard. Currently this reach of the St. Maries River supports low densities of cutthroat trout, with summer habitat conditions apparently the limiting factor. We are opposed to and protest the diversion of 2.0 cfs at this time.

Our concerns with the proposal to divert 2.0 cfs focus on potential loss of habitat, including dewatering of habitat areas, potential to increase summer water temperatures, and loss of habitat stability if the diversion pump is operated in an on again-off again manner. In meeting with Potlatch representatives, they indicated under ideal conditions their log watering system could operate with slightly less than 1.0 cfs, but because of uncertainty as to whether the system could function at full efficiency (ideal conditions being met) had decided to apply for the additional water. However, in response to our concerns, Potlatch has agreed, as indicated by the attached letters, to change their application to request a 1.0 cfs diversion. They have also stated they will conduct some monitoring of the system's operation and its effect on the stream. This information can then be used to make informed decisions as to whether additional water needs to be applied for, and how best to minimize impacts to other beneficial uses should additional water be requested.

We will withdraw our protest of this water right application as soon as the change from 2.0 cfs to 1.0 cfs is recorded. Also, we will support Potlatch if they request a temporary diversion of 1.0 cfs to allow them to start operations and monitoring prior to receiving full approval of their water right application. We appreciate your's and Potlatch's willingness to work to resolve this issue.

Sincerely

David W. Ortmann
Regional Supervisor

RECEIVED
SEP 15 1995

DWO:CEC:njk

Attachments

C: Cal Groen, IDFG, Boise
Bill Davis, Potlatch Corporation





June 21, 1995

Potlatch Corporation
Wood Products, Western Division

Mr. Charles Corsi
Environmental Staff Biologist
Idaho Department of Fish and Game
2750 Kathleen Ave.
Coeur d'Alene, Idaho 83814

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

RE: Potlatch Corporation Water Right at Clarkia, Idaho; Sec. 7, T42N R2E.

Dear Chip,

This letter is a follow up to our phone conversation today concerning Potlatch Corporations application for a water right at Clarkia, Idaho. Attached is our letter to Allen Beardsley of the Idaho Department of Water Resources modifying our application to a maximum rate of diversion from 2 CFS to 1 CFS.

As we discussed, Potlatch will monitor the stream flow and water temperature through this operating season. We will be in contact with you during the summer to set up an on site visit to discuss the fishery.

Thanks for your help,

Sincerely,

A handwritten signature in cursive script, appearing to read "Bill", is written above the typed name.

William F. Davis
Property Specialist

SEP 15 1995



Potlatch Corporation
Wood Products, Western Division

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

June 21, 1995

Mr. Allen Beardsly
State of Idaho
Water Resources Dept.
1910 W. Blvd, Suite 210
Coeur d'Alene, Idaho 83814

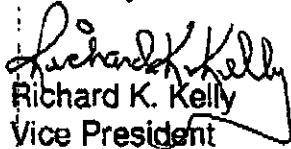
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Dear Sir,

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Please direct your questions to Bill Davis at the address above or by calling (208) 799-1706.

Sincerely,

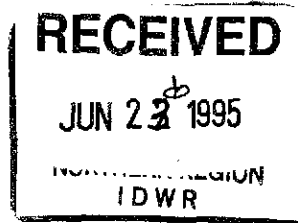

Richard K. Kelly
Vice President

RECEIVED
SEP 15 1995

Potlatch

Potlatch Corporation
Wood Products, Western Division

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123



June 21, 1995

Mr. Allen Beardsly
State of Idaho
Water Resources Dept.
1910 NW Blvd, Suite 210
Coeur d'Alene, Idaho 83814

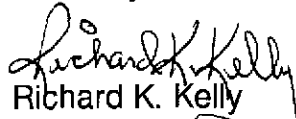
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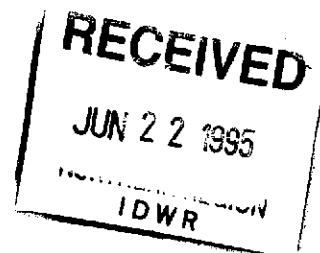

Richard K. Kelly
Vice President

UNRECORDED

SEP 15 1995



Panhandle Region



TO:

Bob Hainer / Al Beardsley
IDWR

DATE:

6/22/95

NO. OF PAGES:

4 w/cover

TO FAX NO:

769 1454

FROM:

C. Corsi

State of Idaho
Department of Fish and Game
2750 Kathleen Avenue
Coeur d'Alene, Idaho 83814
Telephone: (208) 769-1414
FAX: (208) 769-1418

.....
FACSIMILE MESSAGE:Rollatch Water Right Letter**RECEIVED**

SEP 15 1995

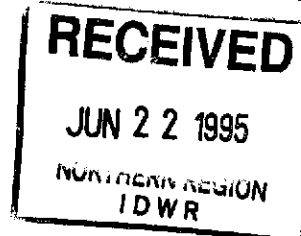
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June 22, 1995



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Sincerely

David W. Ortmann
Regional Supervisor

SEP 15 1995

DWO:CEC:njk
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Bill Davis, Potlatch Corporation

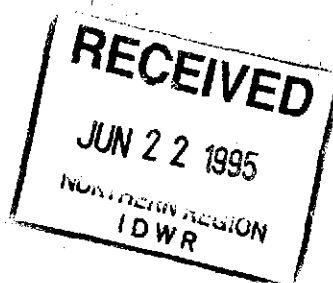
06-21-1995 04:31PM FROM POTLATCH CORP -WMPD TO

912087691418 P.02

Potlatch

June 21, 1995

Mr. Charles Corsi
Environmental Staff Biologist
Idaho Department of Fish and Game
2750 Kathleen Ave.
Coeur d'Alene, Idaho 83814



Potlatch Corporation
Wood Products, Western Division

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

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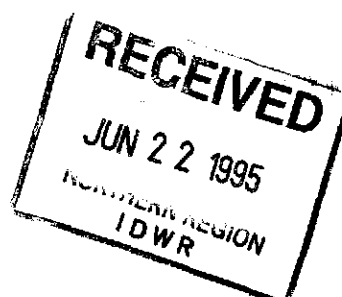
Thanks for your help,

Sincerely,

A handwritten signature in cursive script, appearing to read "Bill".

William F. Davis
Property Specialist

RECEIVED
SEP 15 1995

Potlatch**Potlatch Corporation
Wood Products, Western Division**P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

June 21, 1995

Mr. Allen Beardsly
State of Idaho
Water Resources Dept.
1910 NW Blvd, Suite 210
Coeur d'Alene, Idaho 83814

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Please direct your questions to Bill Davis at the address above or by calling (208) 799-1706.

Sincerely,

A handwritten signature of Richard K. Kelly.
Richard K. Kelly
Vice PresidentA rectangular stamp with the word "RECEIVED" at the top and the date "SEP 15 1995" below it.
SEP 15 1995

Potlatch

Potlatch Corporation
Wood Products, Western Division

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

June 21, 1995

Mr. Allen Beardsly
State of Idaho
Water Resources Dept.
1910 NW Blvd, Suite 210
Coeur d'Alene, Idaho 83814

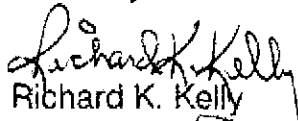
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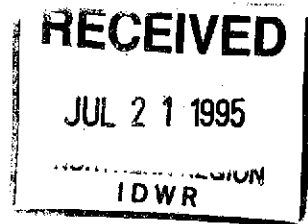
Sincerely,


Richard K. Kelly
Vice President

RECEIVED
SEP 15 1995

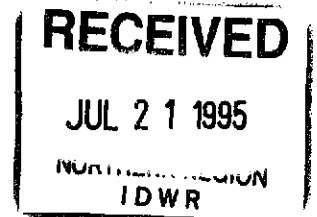
PROOF OF PUBLICATION

)
) Department of Water Resources
) 1910 Northwest Blvd
) Coeur d' Alene, Id 83814



s/ Daniel C. Drewry, being first duly sworn deposes and says:
SHOSHONE NEWS-PRESS, a daily newspaper of general circulation in said
county, published in the city of Kellogg, in the County of Shoshone and
the State of Idaho, and which has been published continuously in said
county for a period of 78 weeks immediately prior to the publication of this
notice hereinafter described, and that the

LEGAL NOTICE

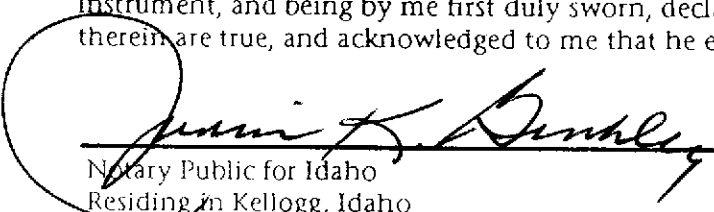


of which the annexed is a true copy, was published in each regular
weekly/daily issue of said newspaper, and not in supplement thereto, for
a period of (2) Two consecutive weeks/days, the first
publication thereof being in the issue dated 7/5, 12/95

STATE OF IDAHO)
)
)

COUNTY OF)
)
)

On this 13 day of July in the year of 1995
before me a Notary Public, personally appeared Daniel C. Drewry known or
identified to me to be the person whose name subscribed to the within
instrument, and being by me first duly sworn, declared that the statements
therein are true, and acknowledged to me that he executed the same.


Notary Public for Idaho
Residing in Kellogg, Idaho
My Commission expires:
10/17/2000

RECEIVED
SEP 15 1995

**NOTICE OF APPLICATION
FOR WATER RIGHT**

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

92-07218 ← *ok*

POTLATCH CORP
PO BOX 1016 LEWISTON, ID 83501
Source: ST. MARIES RIVER, WEST
FORK Tributary: ST. JOE RIVER
Diversion Pt. NWNWNE Sec 7 T 42N R
02E in SHOSHONE County.
Use: INDUSTRIAL Total Diversion: (1.000
CFS) (1.000 CFS)
Date Filed: 5/4/1995
In: SHOSHONE County T42N R02E S07
NWNE NENW

For additional information concerning
the property location, call the Northern
Regional Office at (208) 769-1450. •

The permit(s) will be subject to all prior
water rights. Protests must be filed with
the applicant and with the Director, Dept.
of Water Resources, Northern Region,
1910 Northwest Blvd., Suite 210, Coeur d'
Alene, Idaho 83814, together with a
protest fee of \$25.00 on or before JULY 24,
1995.

KARL J. DREHER, Director
Legal # SHO 029
2 X 7-5/12/1995

92-07218

POTLATCH CORP
PO BOX 1016
LEWISTON, ID 83501

Source: ST. MARIES RIVER, WEST FORK Tributary: ST. JOE RIVER

Diversion Pt: NWNWNE Sec 7 T 42N R 02E in SHOSHONE County.

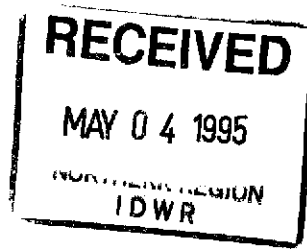
Use: INDUSTRIAL	(	1.000 CFS)
Total Diversion:	(	1.000 CFS)

Date Filed: 5/ 4/1995

In: SHOSHONE County		
T42N R02E S07	NWNE	NENW

RECORDED
SEP 15 1995

Potlatch



Potlatch Corporation
Wood Products, Western Division

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

May 2, 1995

Mr. Allen Beardsly
State of Idaho
Water Resources Dept.
1910 NW Blvd, Suite 210
Coeur d'Alene, Idaho 83814

RE: Clarkia Water Rights Application

Dear Sir,

Please find attached an executed Application for Temporary Approval of Water Appropriation at Clarkia, Idaho. Also attached are:

- * Our check number 524533 in the amount of \$170.00 for payment of the \$50.00 fee for the Temporary Approval application and \$120.00 for the Water Rights Application that has already been submitted to your office.
- * A chart of Potlatch Corporate Officers.

Please call me at (208) 799-1706 with your questions.

Sincerely,

William F. Davis

William F. Davis
Property Specialist

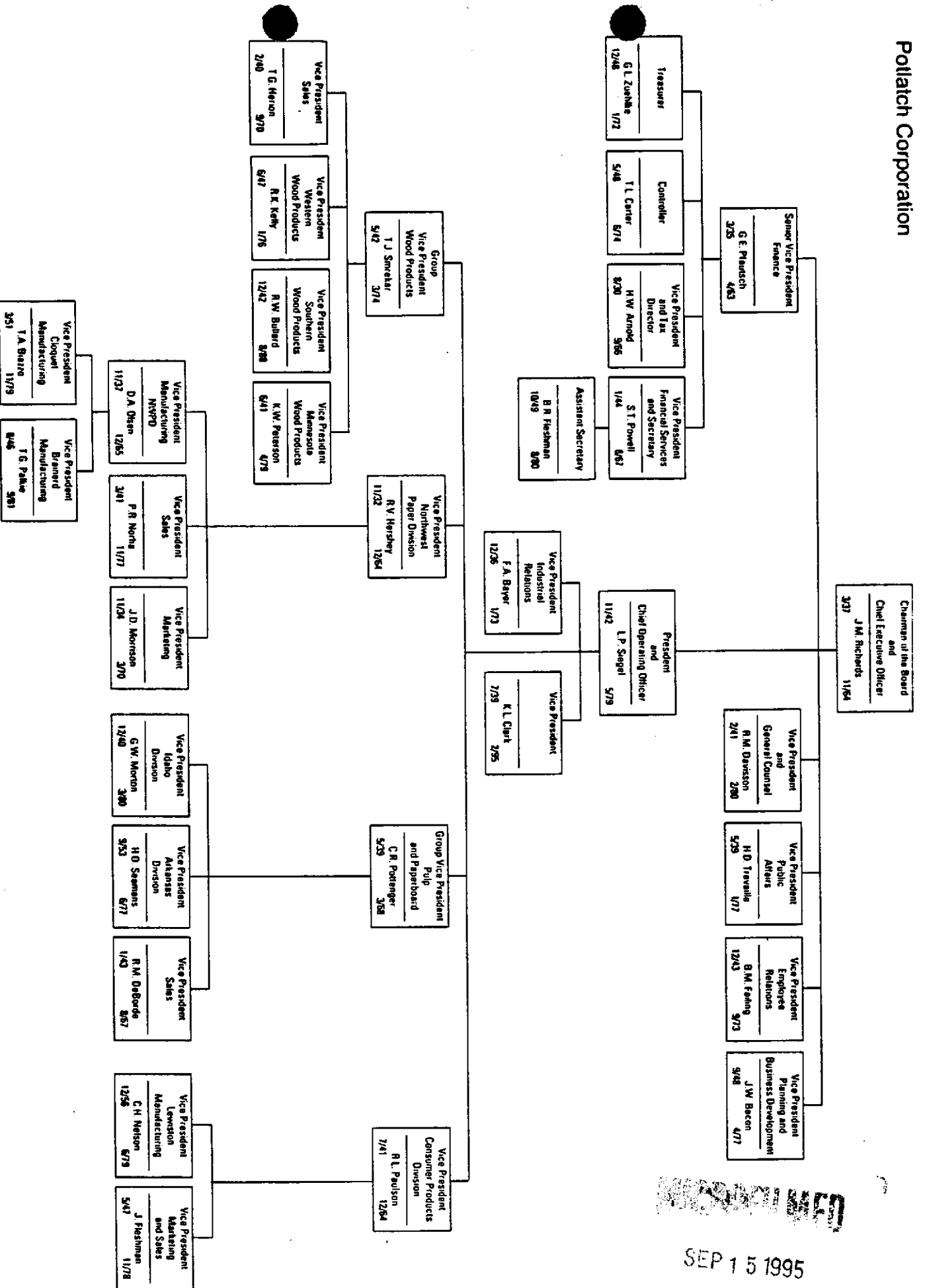
Rec'd N008881
db

xc: Bryce Coulter

SEP 12 1995

Vendor No. 4260	Invoice Date 05-02-95	Purchase Order No.	Vendor's Invoice No. 05025	Invoice Amount 170.00	Discount Amount	Net Amount 170.00
<i>Rec # N008881</i> <i>b</i>			RECEIVED MAY 04 1995 NORTHERN REGION IDWR SEP 15 1995			
Date 05 02 95			Check No.		Total Amount Due 170.00	

Pollatch Corporation

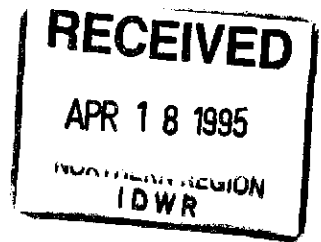


SEP 15 1995

KIMBALL ENGINEERING, P.A.

Engineering • Surveying

114 Thain Road • (208) 746-9010
Lewiston, Idaho 83501



April 13, 1995

Al Beardsly
State of Idaho, Department of Water Resources
1910 Northwest Blvd
Coeur d'Alene, ID 83814

Dear Mr. Beardsly:

I am submitting to you on behalf of Potlatch Corporation a completed application for permit to appropriate State of Idaho public waters. As outlined in the permit application, the primary purpose of the water will be log deck irrigation. Because Potlatch wishes the irrigation system to be on-line this summer we respectfully request this application be processed as quickly as possible.

Please contact me if you have any questions or comments. Thank you.

Sincerely,

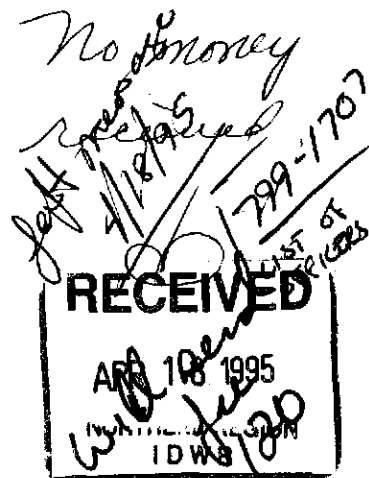
KIMBALL ENGINEERING, P.A.

A handwritten signature in cursive script that reads "Brad R. Watson".

Brad Watson, E.I.T.

Enclosures

cc: Mark Benson, Potlatch Corporation
Jim Kimball, Kimball Engineering
File



c:\p50\idwr1.ltr

