



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 1910 Northwest Blvd. Suite 210, Coeur d'Alene, Idaho 83814-2615

Phone: (208) 769-1450

Fax: (208) 769-1454

Web Site: www.idwr.idaho.gov

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

March 7, 2006

Mackay Bar Corp.
Box 7968
Boise, ID 83707

RE: 77-11512

It appears that the proposed location of the power plant will be in the same 40 acre tract so our department will not have to be notified of the change. We will include the map of the proposed location in our file.

Sincerely,

A handwritten signature in black ink, appearing to read 'Knoblock', is written over a horizontal line.

Kenneth Knoblock
Water Resources Agent



MACKAY BAR CORPORATION
Idaho's Wilderness Company

P.O. Box 7968, Boise, Idaho 83707
380 E. Parkcenter Blvd., Suite 230, Boise, ID 83706
(208) 344-9904 • Fax (208) 336-0153
www.mackaybar.com

March 2, 2006

State of Idaho
Department of Water Resources
Northern Region
1910 Northwest Blvd., Ste. 210
Coeur d'Alene, ID 83814-2615

RECEIVED
MAR 06 2006
IDWR/North

RE: 77-11512

Dear Mr. Knoblock;

On February 28, 2006 you sent a request to identify the "40 acre tract of the new place of use". Attached is the engineers map reflecting the current and proposed location of the hydroelectric plant. The proposed location was requested in an application for relicensing of our hydroelectric plant that submitted to the Federal Energy Regulatory Commission on October 25, 2005. The Federal Energy Regulatory Commission has not yet responded to our application.

If you need additional information, let me know.

Sincerely;

Yvonne Goundry
General Manager



State of Idaho
DEPARTMENT OF WATER RESOURCES

NORTHERN REGION, Suite No. 210 • 1910 Northwest Blvd. • Coeur d'Alene, Idaho 83814-2615
(208) 769-1450

Fax (208) 769-1454

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

February 28, 2006

Mackay Bar Corp.
Box 7968
Boise, ID 83707

RE: 77-11512

We have received your Notice of Error Reply that indicates that the place of use will be moved. What is the 40 acre tract of the new place of use?

Sincerely,

A handwritten signature in black ink, appearing to read 'Kenneth Knoblock', written over a horizontal line.

Kenneth Knoblock
Water Resources Agent

RECEIVED

01/05/2006

JAN 18 2006

DEPARTMENT OF
WATER RESOURCES

NOTICE OF ERROR
REPLY

Please type or print clearly, fill out this form completely and mail.

Return this reply form to IDWR by the deadline date printed below if you want IDWR to change your recommendation or you want to let IDWR know that you agree with its recommendation.

YOUR DEADLINE FOR RETURNING A NOTICE OF ERROR REPLY IS: March 3, 2006

Water right number: 77-11512

MACKAY BAR CORP

PO BOX 7968

BOISE ID 83707

Telephone Number: (208)336-0150

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

On October 25, 2005 a FERC license renewal proposal was submitted to IDWR. This proposal requests a change of the "Place of Use" from USFS property to private property.

2. Describe the changes you wish to make in the proposed recommendation:

3. Give a brief explanation as to why you disagree with these portions:

 I AGREE with this proposed recommendation: no changes need to be made.

DATE: 1/12/06

SIGNATURE: Yvonne Goundry

Please print your name: Yvonne Goundry

IDWR State Office, 322 E Front St
PO Box 83720, Boise, ID 83720-0098, (208) 287-4800

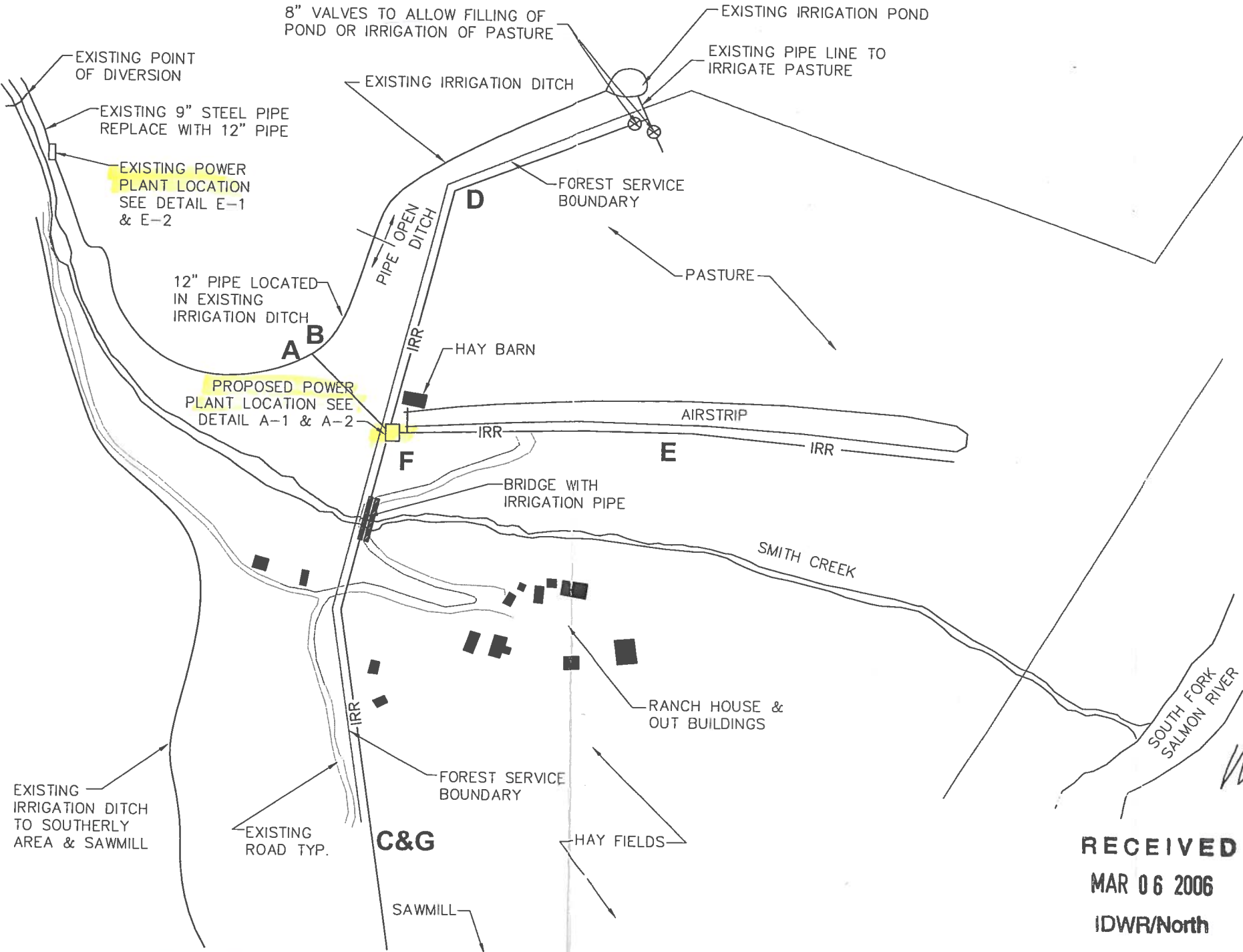
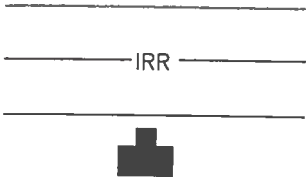
SCANNED
JAN 18 2006

FERC #3401
EXHIBIT D1

T.22 N., R.7 E., SECTIONS 13 & 24
T.22 N., R.8 E., SECTIONS 18 & 19

LEGEND:

- FOREST SERVICE BOUNDARY
- IRRIGATION LINE
- EXISTING IRRIGATION DITCH
- BUILDINGS



HOLLADAY ENGINEERING CO.
ENGINEERS - CONSULTANTS
33 N. MAIN, P.O. BOX 335, PAYETTE, ID 83661
(208) 642-3344 FAX (208) 642-2159
EMAIL: holladayeng.com

EXISTING & PROPOSED CONCEPT
MACKAY BAR CORPORATION
HITTENGER RANCH



RECEIVED
MAR 06 2006
IDWR/North

REVISED 10-19-05

REUSE OF DOCUMENTS	
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JOB NO:	080397C1
ADD FILE:	G:\VPR\080397\080397C1.dwg
DATE:	6-4-98
REVISED:	10-14-05
PLOTTED:	10-14-05
DRAWN BY:	FGD
CHECKED BY:	MEH

04/18/2005

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 77-11512
NAME AND ADDRESS: MACKAY BAR CORP
PO BOX 7968
BOISE ID 83707
SOURCE: SMITH CREEK TRIBUTARY: SOUTH FORK SALMON RIVER
QUANTITY: 2.000 CFS
PRIORITY DATE: 06/01/1960
POINT OF DIVERSION:
T22N R07E S13 NESE Within IDAHO County
PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
POWER	1/01 12/31	2.000 CFS

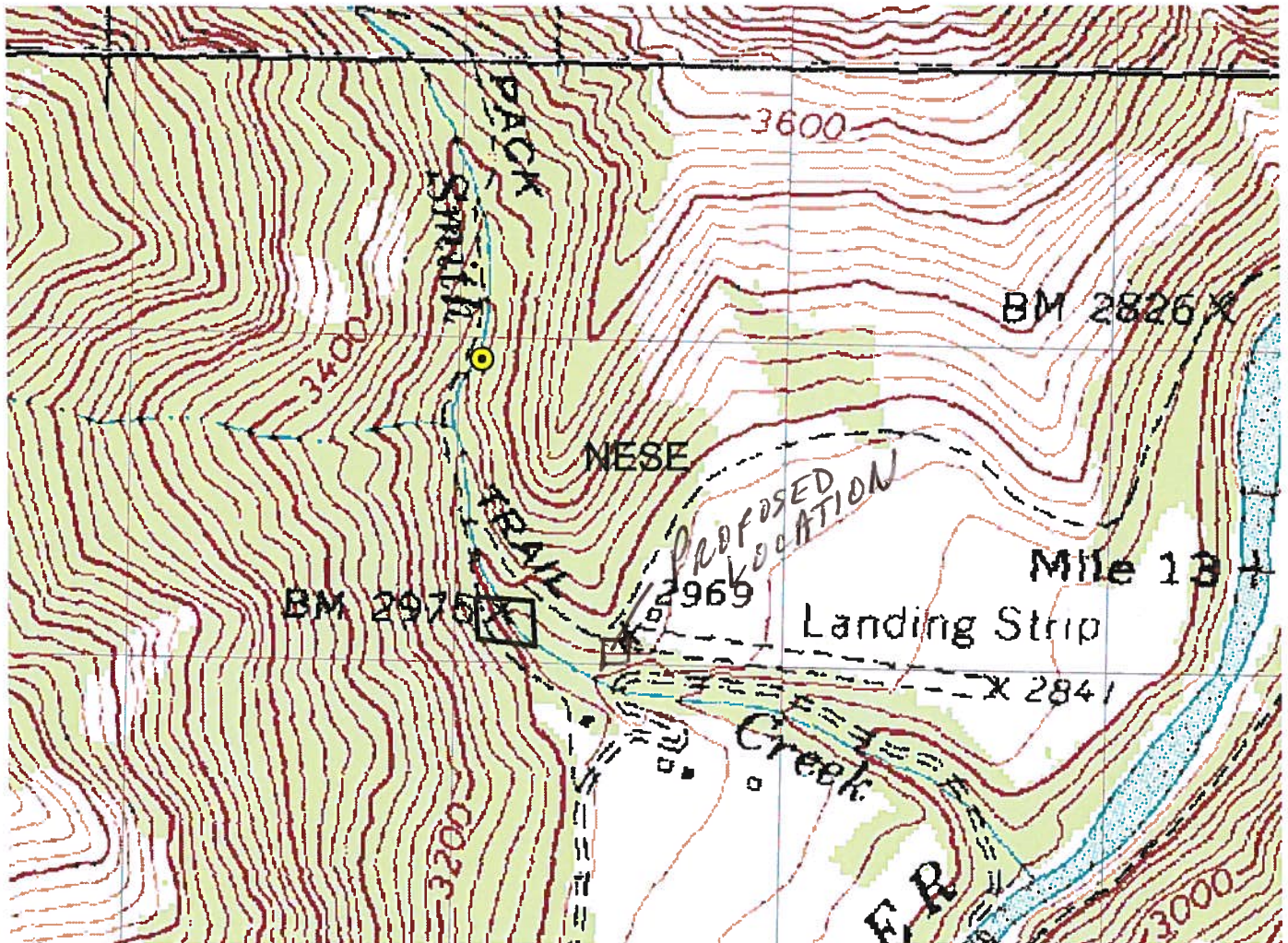
PLACE OF USE: POWER Within IDAHO County
T22N R07E S13 NESE

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: Beneficial Use

77-11512



0 500 1000 Feet

Section 13
T22N R7E



● Point of Diversion

□ Place of Use

Map prepared on April 18, 2005
By Kenneth Knoblock
Idaho Department of Water Resources

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A77-11512
Date Received: 8/23/1993
Receipt No: W016644
Received By: KW

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: MACKAY BAR CORPORATION 208-336-0150
Address: PO BOX 7968
BOISE ID 83707
2. Date of Priority: JUN 1, 1960
3. Source: SMITH CREEK Trib. to: SALMON RIVER, SOUTH FORK
4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
22N	07E	13		NE	SE		IDAHO
5. Description of diverting works:
DIVERSION DAM, POWERPLANT WITH PELTON WHEEL, ELECTRIC GENERATOR
6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
POWER	01/01	12/31	2.000		
7. Total Quantity Appropriated is:
2.000 C.F.S. (and/or) A.F.A.
8. Total consumptive use is Acre Feet Per Annum.
9. Non-irrigation uses:
POWER, ELECTRIC POWER GENERATION (12 KW)
GENERATING CAPACITY 12.0 KILOWATTS
10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
22N	08E	18	SW	SW		POWER	

11. Place of use in counties: IDAHO

MICROFILMED
AUG 08 1994

State of Idaho)
County of Ada) SS.

Subscribed and sworn (or affirmed) before me this 23RD day
of August 19 93

Kathleen A. Walker
Notary Public

Seal

Residing at Eagle, Idaho
My Commission Expires 2-14-1999

*No late fee charged - other claims
filed in a timely manner.*

kw 8/23/93

MICROFILMED

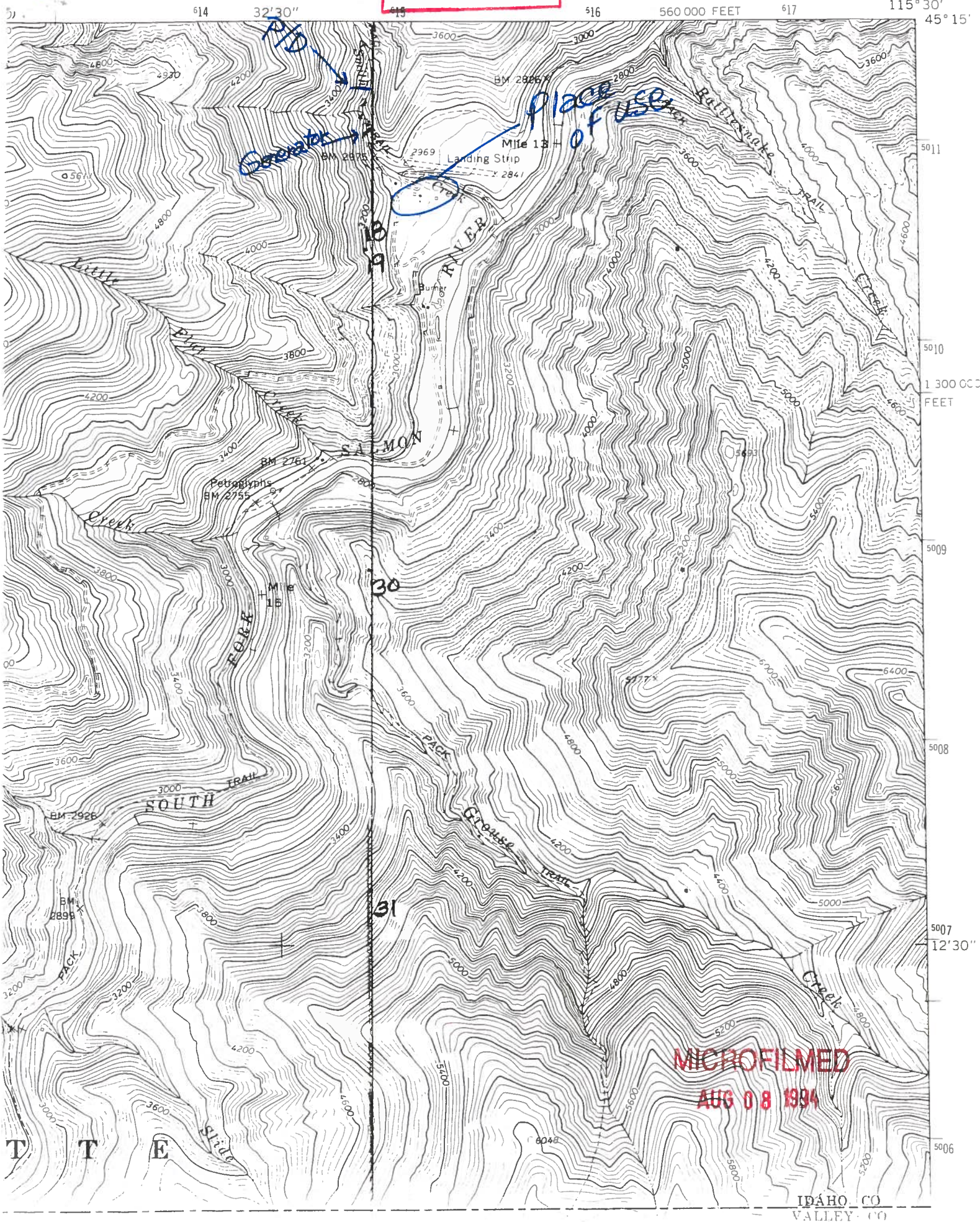
AUG 08 1994

A77-11512

POOR ORIGINAL

IDAHO

7.5 MINUTE SERIES (TOPOGRAPHIC)



PUMP EQUATIONS WATER RIGHT No.

	Q in cfs	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
HP = $Q \cdot H / 8.8 \cdot \text{Eff}$	0.294	45	0.5	45	0

HP = **3.00 HP**

86-7025

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	60	409.1156	0.7	120	125

Q = **0.905 cfs**

POWER GENERATION EQUATIONS WATER RIGHT No.

	Q in cfs	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
HP = $Q \cdot H \cdot \text{Eff} / 8.8$	2	100	0.8	0	125

HP = **13542.09 WATTS**

77-4184

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 / H \cdot \text{Eff}$	60	289.1156	0.5	0	125

Q = **3.658 cfs**

