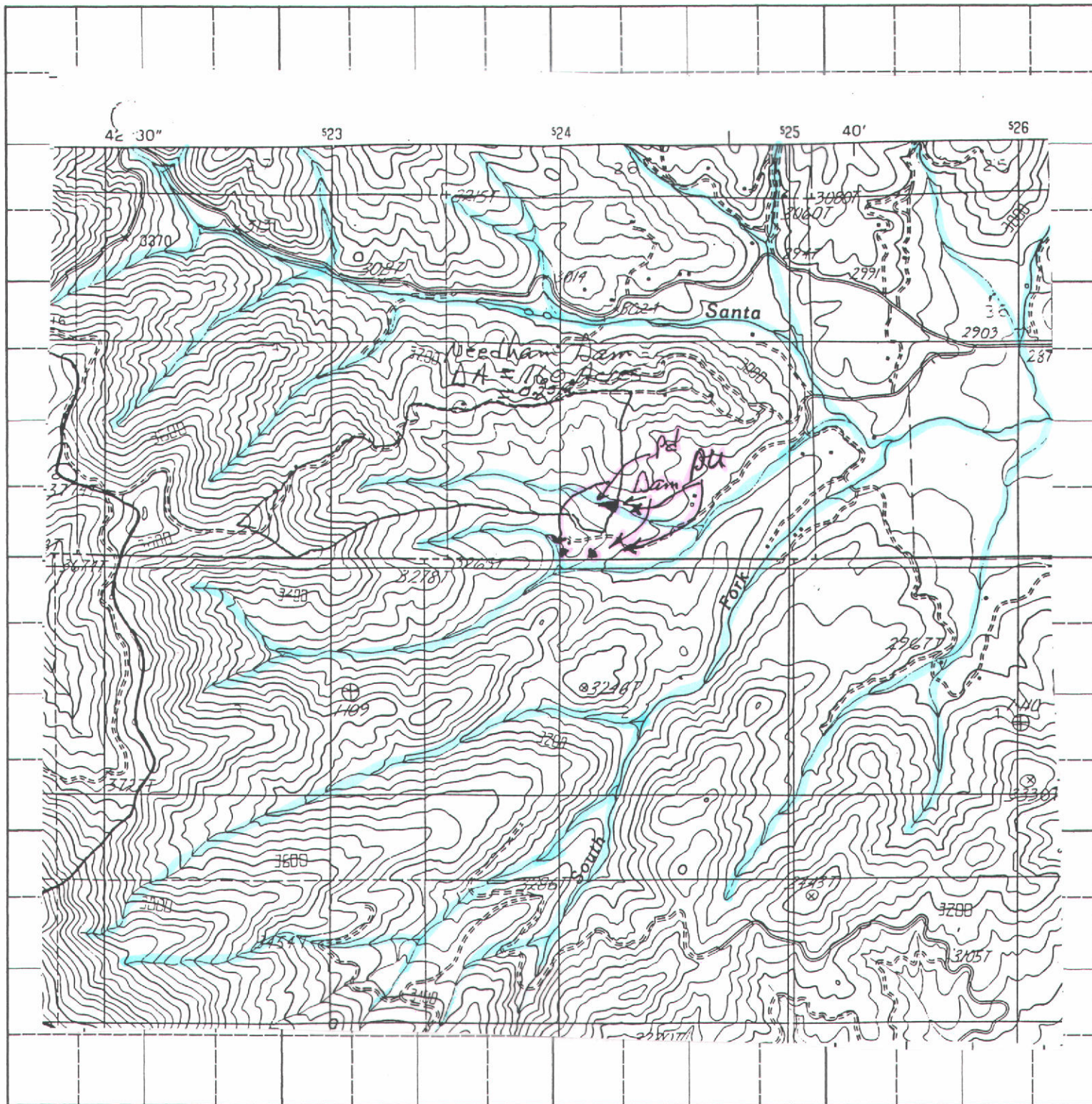


APR 21 1994

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.

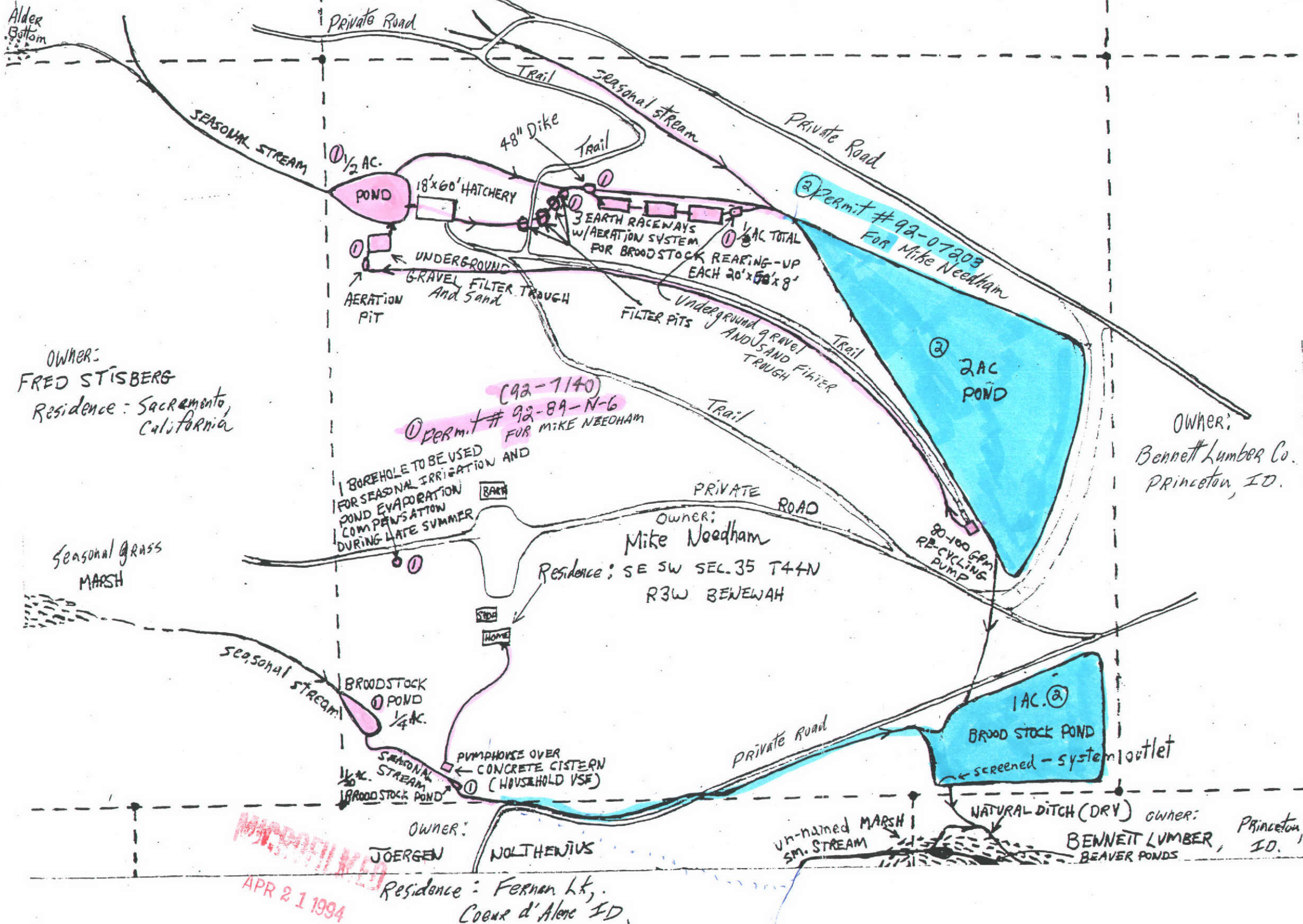
BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

APR 21 1994

*Michael J. Needham*  
(Applicant)

Updated Map  
January 1994

Owner:  
STEVE RISKIN  
Residence: Georgia



Owner:  
FRED STISBERG  
Residence: Sacramento,  
California

Owner:  
Bennett Lumber Co.  
Princeton, ID.

Owner:  
Mike Needham  
Residence: SE SW SEC. 35 T44N  
R3W BENEWAH

Owner:  
JOERGEN NOLTHENIUS  
Residence: Fernan Lk,  
Coeur d'Alene ID.

Owner:  
BENNETT LUMBER,  
BEAVER PONDS, ID.

APR 21 1994

Needham Nan  
A92-7203  
9/1/94



Looking down the spillway channel toward  
the culvert under the access road to  
Needhams house.

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Needham Dam  
D92-7203  
9/1/94

Reservoir area and  
small island from  
the dam crest.

Downstream Slope  
looking toward the  
left abutment.

Downstream Slope  
looking toward the  
right abutment.



Upstream slope &  
dam crest looking  
toward the right  
abutment

Right abutment  
area. The arrows  
show the entrance  
to the spillway  
channel.

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Needham Dam  
D92-7203  
9/10/96

Dam crest from  
the left abutment



Downstream slope  
from the left  
abutment.



closer view of the  
downstream slope.

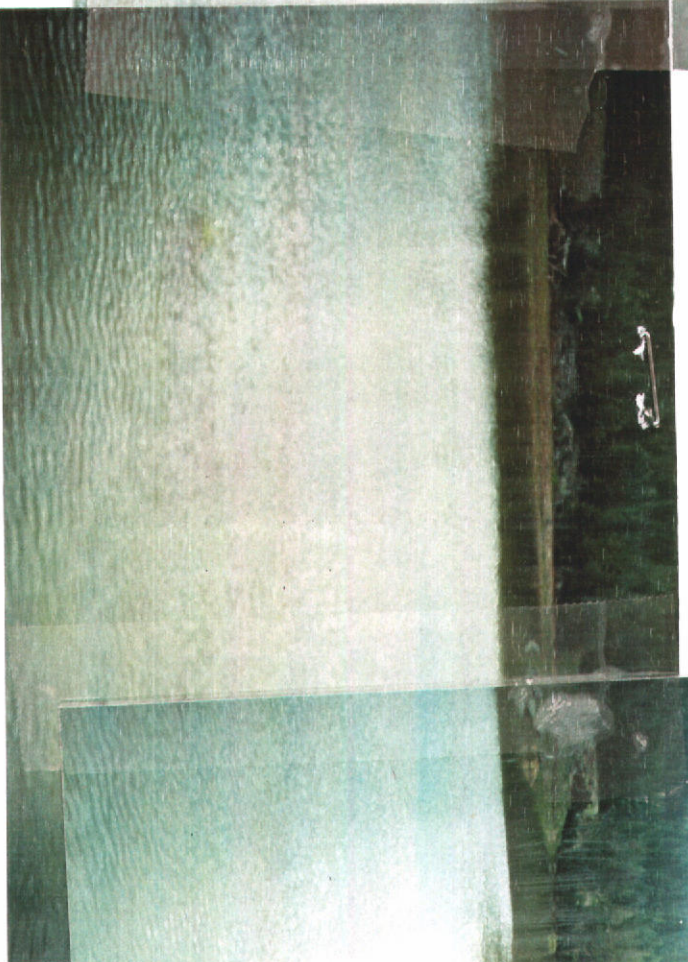


MICROFILMED

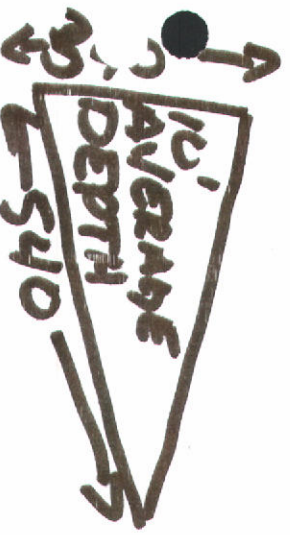
AUG 25 1998

5/8/96

PERM # 92-07203



# NEEDHAM'S UPPER LAKE



$$\frac{540 \times 340}{2} = 91,800 \text{ ft}^2$$

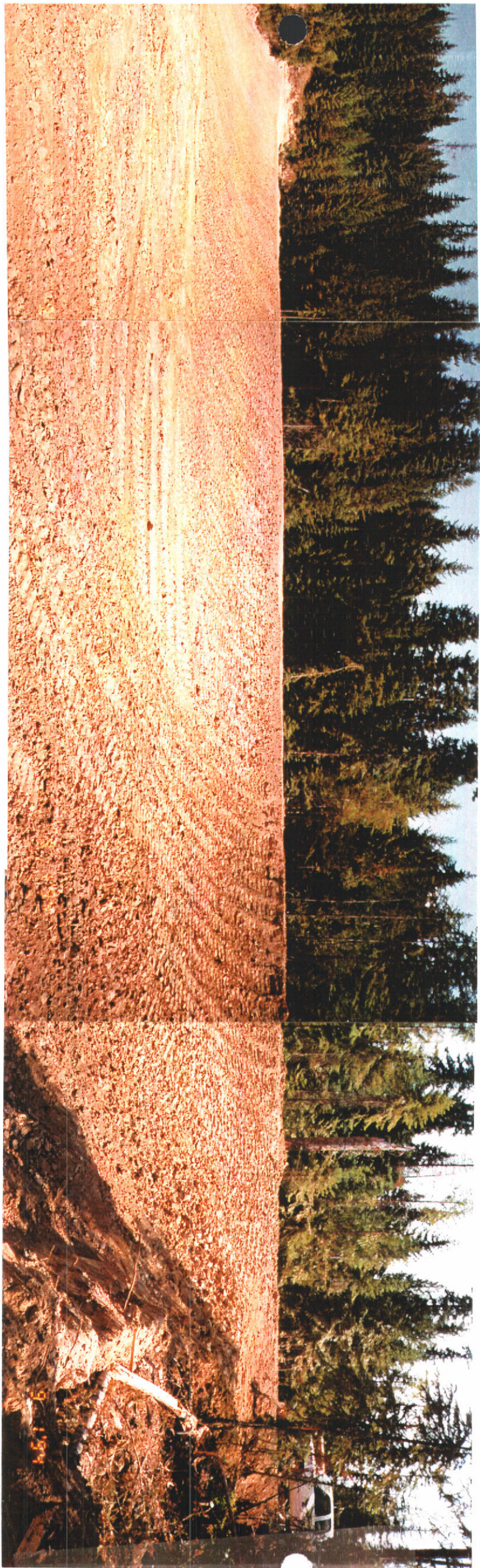
43,500

PICTURE TAKEN FROM  
NE CORNER OF LAKE  
LOOKING WEST

21.145

MICROFILMED  
DEC 1 1 1997

MICROFILMED  
AUG 2 5 1998



Upstream slope from the entrance to the spillway channel.

MICROFILMED  
AUG 25 1998

1092-7203  
9/1/94



Reservoir area and dam embankment from the left abutment.

MICROFILMED  
25 1998

1192-7203  
9/1/94

OWNER: DAVE FEDRICK  
RES: CALIFORNIA

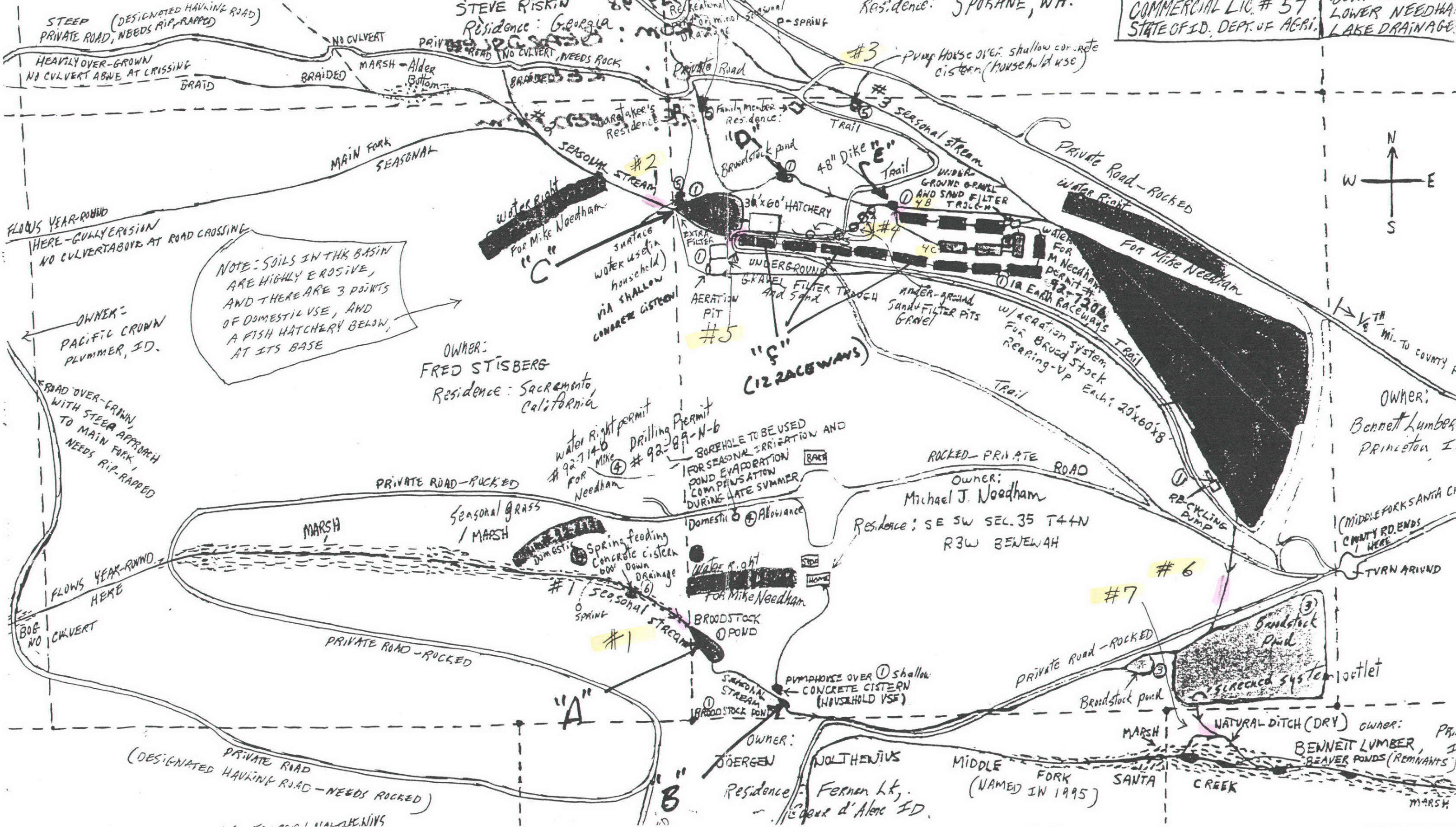
## MEASUREMENT POINTS

OWNER: STEVE RISKIN  
Residence: Georgia

OWNER: Ken Cunningham  
Residence: SPOKANE, WA.

COMPLETE FARM MAP  
NEEDHAM ENTERPRISES  
COMMERCIAL LIC. # 57  
STATE OF ID. DEPT. OF AGRI.

INCLUDES PARTIAL  
WATERSHEDS FOR  
BOTH UPPER AND  
LOWER NEEDHAM  
LAKE DRAINAGE.



STEEP (DESIGNATED HAULING ROAD)  
PRIVATE ROAD, NEEDS RIP, RAPED

HEAVILY OVER-GROWN  
NO CULVERT ABOVE AT CROSSING

NO CULVERT  
BRAIDED MARSH - Alder Bottom

FLUOUS YEAR-ROUND  
HERE - GULLY EROSION  
NO CULVERT ABOVE AT ROAD CROSSING

OWNER: PACIFIC CROWN  
PLUMMER, ID.

ROAD OVER-GROWN  
WITH STEEP APPROACH  
TO MAIN FORK  
NEEDS RIP, RAPED

FLUOUS YEAR-ROUND  
HERE

BOB NO CULVERT

PRIVATE ROAD  
(DESIGNATED HAULING ROAD - NEEDS ROCKED)

OWNER: FRED STISBERG  
Residence: Sacramento, California

PRIVATE ROAD - ROCKED

SEASONAL STREAM

WATER RIGHT FOR Mike Needham

NOTE: SOILS IN THE BASIN  
ARE HIGHLY ERODIBLE,  
AND THERE ARE 3 POINTS  
OF DOMESTIC USE, AND  
A FISH HATCHERY BELOW,  
AT ITS BASE

OWNER: FRED STISBERG  
Residence: Sacramento, California

PRIVATE ROAD - ROCKED

MARSH

SEASONAL GRASS / MARSH

PRIVATE ROAD - ROCKED

OWNER: MICHAEL J. NEEDHAM  
Residence: SE SW SEC. 35 T44N  
R3W BENEWAH

PRIVATE ROAD - ROCKED

SEASONAL STREAM

WATER RIGHT FOR Mike Needham

NOTE: SOILS IN THE BASIN  
ARE HIGHLY ERODIBLE,  
AND THERE ARE 3 POINTS  
OF DOMESTIC USE, AND  
A FISH HATCHERY BELOW,  
AT ITS BASE

OWNER: FRED STISBERG  
Residence: Sacramento, California

PRIVATE ROAD - ROCKED

MARSH

SEASONAL GRASS / MARSH

PRIVATE ROAD - ROCKED

OWNER: MICHAEL J. NEEDHAM  
Residence: SE SW SEC. 35 T44N  
R3W BENEWAH

PRIVATE ROAD - ROCKED

SEASONAL STREAM

WATER RIGHT FOR Mike Needham

NOTE: SOILS IN THE BASIN  
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OWNER: FRED STISBERG  
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PRIVATE ROAD - ROCKED

MARSH

SEASONAL GRASS / MARSH

PRIVATE ROAD - ROCKED

OWNER: MICHAEL J. NEEDHAM  
Residence: SE SW SEC. 35 T44N  
R3W BENEWAH

PRIVATE ROAD - ROCKED

SEASONAL STREAM

WATER RIGHT FOR Mike Needham

NOTE: SOILS IN THE BASIN  
ARE HIGHLY ERODIBLE,  
AND THERE ARE 3 POINTS  
OF DOMESTIC USE, AND  
A FISH HATCHERY BELOW,  
AT ITS BASE

OWNER: FRED STISBERG  
Residence: Sacramento, California

PRIVATE ROAD - ROCKED

MARSH

SEASONAL GRASS / MARSH

PRIVATE ROAD - ROCKED

OWNER: MICHAEL J. NEEDHAM  
Residence: SE SW SEC. 35 T44N  
R3W BENEWAH

PRIVATE ROAD - ROCKED

SEASONAL STREAM

WATER RIGHT FOR Mike Needham

NOTE: SOILS IN THE BASIN  
ARE HIGHLY ERODIBLE,  
AND THERE ARE 3 POINTS  
OF DOMESTIC USE, AND  
A FISH HATCHERY BELOW,  
AT ITS BASE

OWNER: FRED STISBERG  
Residence: Sacramento, California

PRIVATE ROAD - ROCKED

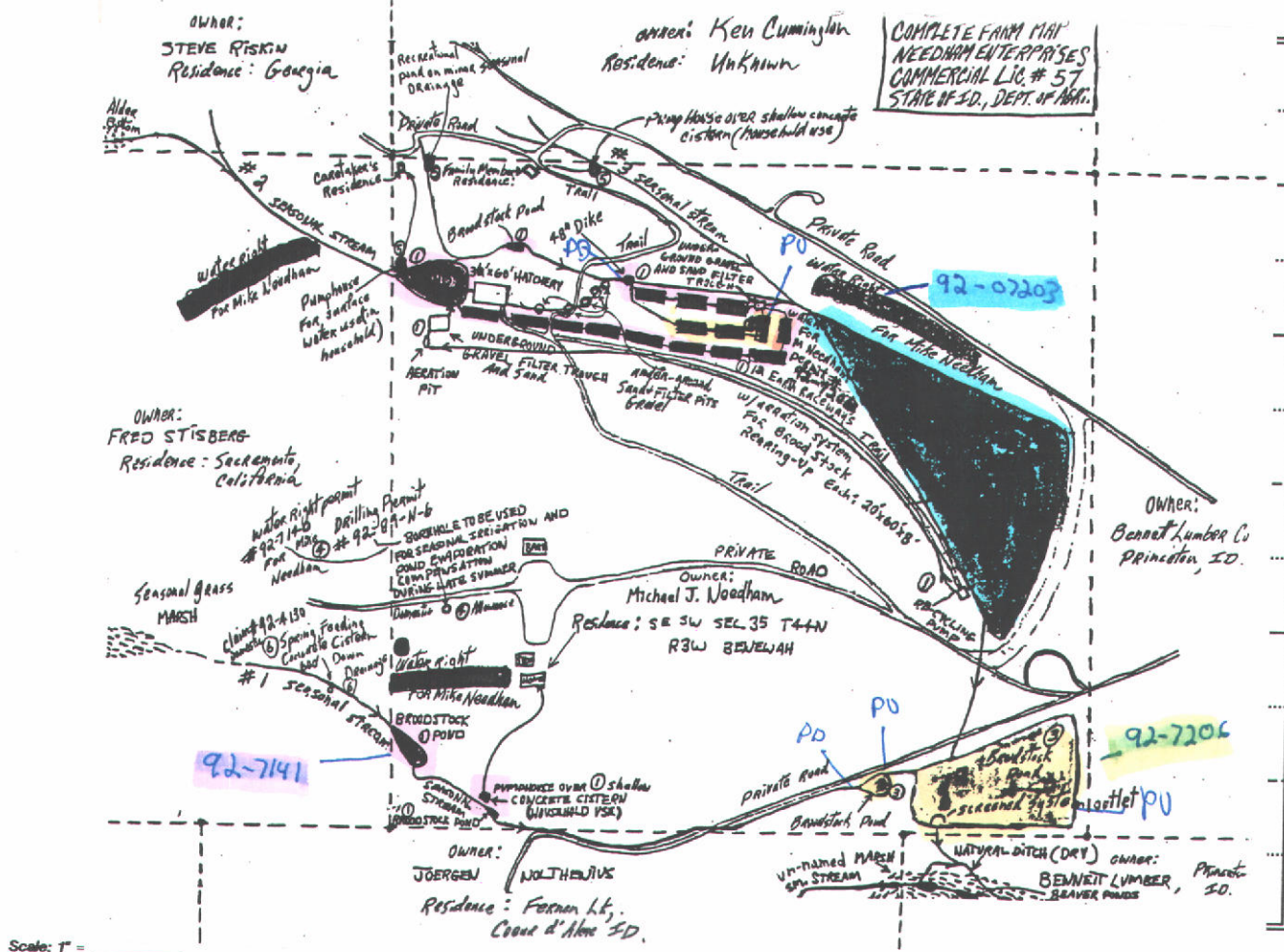
MARSH

SEASONAL GRASS / MARSH

PRIVATE ROAD - ROCKED

OWNER: MICHAEL J. NEEDHAM  
Residence: SE SW SEC. 35 T44N  
R3W BENEWAH

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



Scale: 1" = \_\_\_\_\_

\_\_\_\_ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

\_\_\_\_ Aerial Photo Attached (required for irrigation of 10+ acres)

\_\_\_\_ Photo of Diversion and System Attached

4.

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------------------|------------|----|------------------|-----------|-----------------------------------|
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |

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

D. **FLOW MEASUREMENTS**

1.

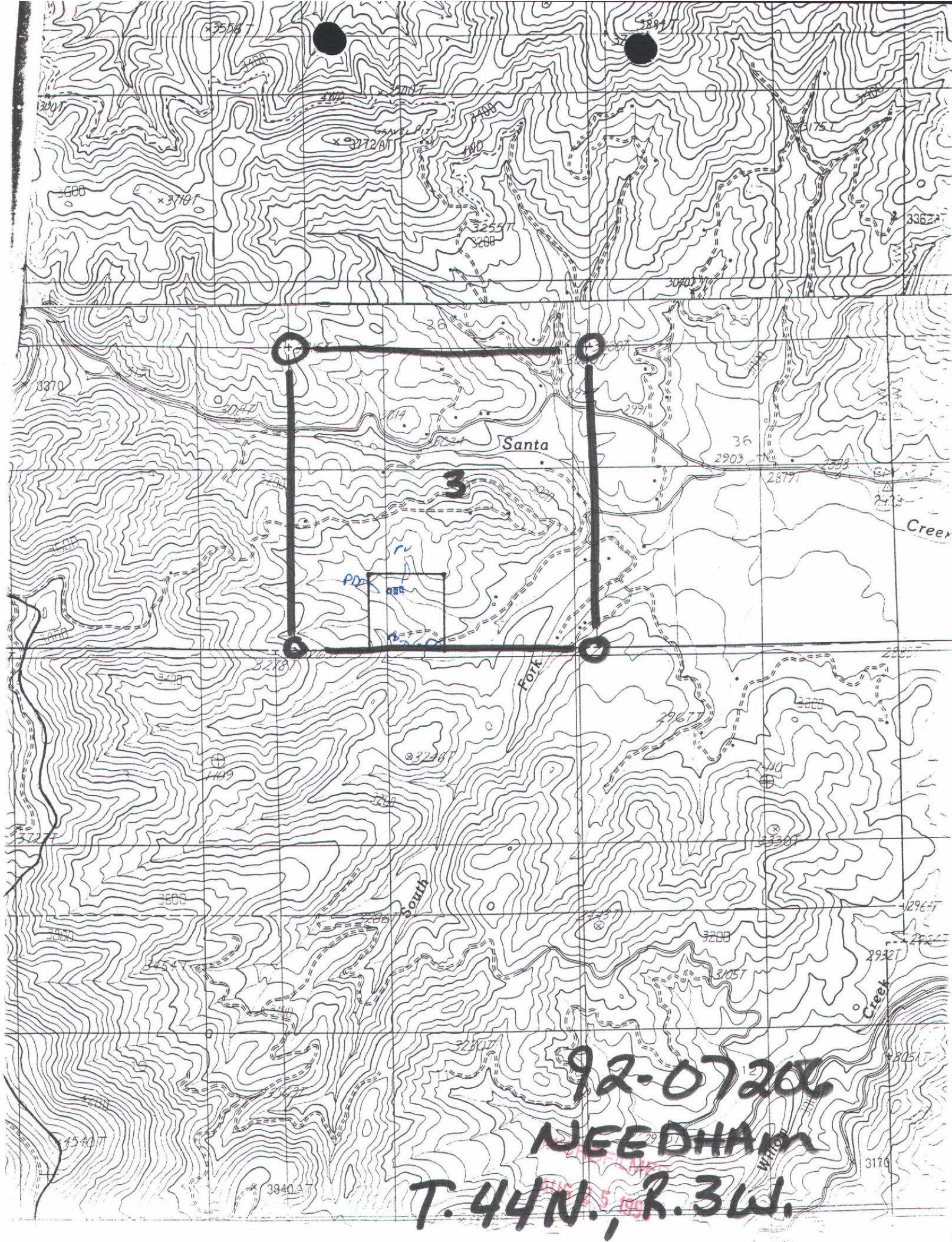
| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
|                       |      |      |           |            |      |             |
|                       |      |      |   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

2. **Measurements:** \_\_\_\_\_

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AUG 25 1998





92-07206  
NEEDHAM  
T. 44N., R. 3W.

PERMIT # 92-07206



5/8/96

"FISH RACE WAYS"

60' LONG x 20' WIDE x 8' DEEP AV.

$$\frac{60' \times 20' \times 8'}{43560} = 0.22 \text{ AF/PER RACE WAY}$$

$$3 \text{ RACE WAYS} \times 0.22 \text{ AF} = 0.66 \text{ AF}$$

TOTAL

MICROFILMED  
AUG 25 1998

PERMIT # 92-0720



5/8/96

BROODSTOCK POND

DIMENSIONS:

60' WIDE X 100' LONG X 10' AVERAGE  
DEPTH

$$\frac{60' \times 100' \times 10'}{43560} = \frac{60,000}{43560} = 1.38 \text{ AC}$$

PICTURE TAKEN FROM  
NW CORNER OF POND  
LOOKING EAST

MICROFILMED  
AUG 25 1998

PERMIT # 92-07206



"NEEDHAM'S LOWER LAKE"

DIMENSIONS: TRIANGLE SHAPE



$$\frac{300' \times 210'}{2} = 31,500 \text{ ft}^2 \times 15' \quad 10.8 \text{ AC}$$

---

43,560

5/8/96

MICROFILMED  
AUG 25 1998

**Affidavit of Publication**

STATE OF IDAHO

County of Benewah, ss.

Cynthia Ann Hammes, being first duly sworn on oath, deposes and says that she is vice president of The Corporation, owner of the St. Maries Gazette Record, a weekly newspaper printed and published at St. Maries, Benewah County, State of Idaho; the St. Maries Gazette Record is a newspaper having general circulation in Benewah County, State of Idaho, and has been continuously and uninterruptedly published in Benewah County, State of Idaho, during a period of more than seventy-eight consecutive weeks prior to the first publication of the notice of advertisement hereon.

That the notice, of which the one hereto attached is a true copy, was published in said newspaper for a period of 2 issues, the first publication being on the 16th day of February, 1994 and the last on the 23rd day of February, 1994.

That said newspaper was regularly distributed to its subscribers during the time of the same period; that said notice was published in the regular and entire issue of said paper.

Dated this 23rd day of Feb., 1994  
Cynthia Ann Hammes

STATE OF IDAHO  
COUNTY OF BENEWAH }

On this 23rd day of Feb. in the year of 1994, before me, a Notary Public, personally appeared Cynthia Ann Hammes, 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 she executed the same.

Sharon D. Blackburn  
Notary Public for Idaho  
Residing at St. Maries, ID  
My commission expires: Nov. 4, 1998

**Notice of application  
for water right is filed**

**NOTICE OF APPLICATION  
FOR WATER RIGHT**

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

92-07206

Needham, Michael J.

P.O. Box 44

Santa, ID 83866-0044

Source: Unnamed Streams

Tributary: Santa Creek

Diversion Pt: SESW Sec 35 T 44N R

03W in Benewah County.

Use: Fish Prop. Storage (15.00 AF);

Diversion to Storage (.960 CFS);

Total Diversion: (.960 CFS)

Date Filed: 1/27/1994

In: Benewah County, T44N R03W  
S35 SESW

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 on or before March 7, 1994.

R. KEITH HIGGINSON,  
Director

No. 2313 --- Feb. 16-23.

**RECEIVED**

FEB 25 1994

NORTHERN REGION  
IDWR

APR 21 1994

State of Idaho  
Department of Water Resources

# Water Right License

WATER RIGHT NO. 92-07206

Priority: January 27, 1994

Maximum Diversion Rate:

0.18 CFS

Maximum Diversion Volume:

145.0 AF

This is to certify, that MICHAEL J NEEDHAM

MIDDLE FORK SANTA CREEK RD

PO BOX 25

TENSED ID 83870

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated January 27, 1994; and has submitted Proof of Beneficial Use on January 23, 1995. An examination indicates that the works have a diversion capacity of 0.180 cfs of water from:

UNNAMED STREAMS

tributary to SANTA CREEK

source, and a water right has been established as follows:

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| FISH PROPAGATION      | 01/01 to 12/31       | 0.18 CFS                 | 130.0 AF             |
| FISH PROP. STORAGE    | 01/01 to 12/31       |                          | 15.0 AF              |
| DIVERSION TO STORAGE  | 01/01 to 12/31       | 0.16 CFS                 |                      |
|                       | Totals               | 0.18 CFS                 | 145.0 AF             |

LOCATION OF POINT(S) OF DIVERSION:

SESW , Sec. 35, Township 44N, Range 03W  
BENEWAH County

PLACE OF USE: FISH PROPAGATION

TWN RGE SEC

44N 03W 35

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 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.

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APR 2 5 1993

State of Idaho  
Department of Water Resources

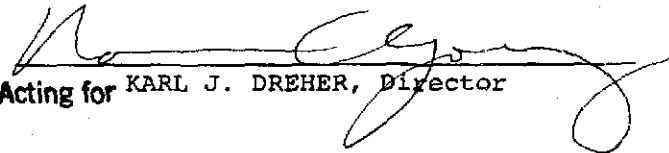
# Water Right License

WATER RIGHT NO. 92-07206

## CONDITIONS OF APPROVAL AND REMARKS

5. The right holder shall provide the Department, upon request, information showing volume changes per hour necessary to maintain an adequate environment for the fish propagation facility. Volume changes per hour shall be based upon actual fish production.
6. Use of water under this approval shall comply with applicable water quality standards of the Division of Environmental Quality of the Idaho Department of Health and Welfare.
7. Two points of diversion are located within SESW, S35, T44N, R3W.
8. Fish propagation and storage uses are for a fish hatchery.
9. Facility volume = 561,300 cubic feet.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 16<sup>th</sup> day of August, 1998.

  
Acting for KARL J. DREHER, Director

MICROFILMED

AUG 25 1998

State of Idaho  
Department of Water Resources

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AUG 05 1998

Department of Water Resources

**APPLICATION FOR AMENDMENT**  
(For Licensing Purposes)  
**WATER RIGHT NO. 92-07206**

Date of Priority: January 27, 1994

Maximum Diversion Rate:

0.18 CFS

Maximum Diversion Volume:

145.0 AF

Comes now  
MICHAEL J NEEDHAM  
MIDDLE FORK SANTA CREEK RD  
PO BOX 25  
TENSED ID 83870

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to Appropriate the Public Waters of the State of Idaho No. 92-07206, and requests that the permit be changed as follows:

Source: UNNAMED STREAMS

tributary to SANTA CREEK

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| FISH PROPAGATION      | 01/01 to 12/31       | 0.18 CFS                 | 130.0 AF             |
| FISH PROP. STORAGE    | 01/01 to 12/31       |                          | 15.0 AF              |
| DIVERSION TO STORAGE  | 01/01 to 12/31       | 0.16 CFS                 |                      |
|                       | Totals               | 0.18 CFS                 | 145.0 AF             |

LOCATION OF POINT(S) OF DIVERSION:

SESW , Sec. 35, Township 44N, Range 03W  
BENEWAH County

PLACE OF USE: FISH PROPAGATION

TWN RGE SEC

44N 03W 35

SESW

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

Signed at MIKE NEEDHAM'S RESIDENCE, this 3<sup>RD</sup> day of AUGUST, 1998.

MIDDLEFORK SANTA CRK. RD.

TENSED, IDAHO 83870

Michael J Needham  
(Signature)

MICROFILMED

AUG 25 1998

State of Idaho  
Department of Water Resources

**APPLICATION FOR AMENDMENT**  
(For Licensing Purposes)  
**WATER RIGHT NO. 92-07206**

\*\*\*\*\*

**FOR DEPARTMENT USE ONLY**

Preliminary check by SWK Fee = 5000 Receipted by KS # 024303 Date 8/15/98

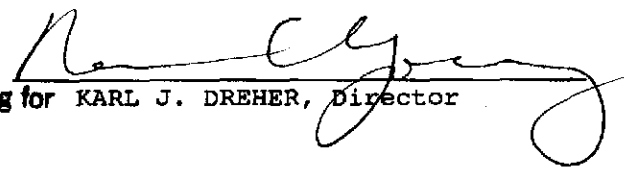
**ACTION OF THE DEPARTMENT OF WATER RESOURCES**

I, Karl J. Dreher, of the Department of Water Resources hereby approve the  
above Application for Amendment for Permit No. 92-07206 with the following;

**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. The right holder shall provide the Department, upon request, information showing volume changes per hour necessary to maintain an adequate environment for the fish propagation facility. Volume changes per hour shall be based upon actual fish production.
6. Use of water under this approval shall comply with applicable water quality standards of the Division of Environmental Quality of the Idaho Department of Health and Welfare.
7. Two points of diversion are located within SESW, S35, T44N, R3W.
8. Fish propagation and storage uses are for a fish hatchery.
9. Facility volume = 561,300 cubic feet.

Witness my hand this 10<sup>TH</sup> day of August, 1998.

  
Acting for KARL J. DREHER, Director

MICROFILMED  
AUG 25 1998

RECEIVED

**JAN 25 1995**

**STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES**

Department of Water Resources

## PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY  
 Amt. of Fee \$: 100  
 Receipt No. N008567  
 Receipt By: 22  
 Date Received: 1/23/94

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. 92-7206 Telephone No. (208) 275-3151
2. Name(s) of Permit Holder(s): Michael J Needham
3. Mailing Address: POB 25 West Fork Santa Crk. Rd Tensed ID. 83870
4. Source of Water: Seasonal Run-off (Unknown) **GROUNDWATER** (well), Date Drilled: mo. - / yr. 20
- 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: -
6. Total rate of diversion and/or volume for which proof is submitted: 0.96 cfs OR 15 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)
- |                               |                                          |              |    |             |
|-------------------------------|------------------------------------------|--------------|----|-------------|
| <b>Measuring Device:</b>      | Is a measuring device required?          | Yes <u>-</u> | or | No <u>✓</u> |
|                               | Has the measuring device been installed? | Yes <u>-</u> | or | No <u>-</u> |
| <b>Flow Measurement Port:</b> | Is a flow measurement port required?     | Yes <u>-</u> | or | No <u>✓</u> |
|                               | Has the measurement port been installed? | Yes <u>-</u> | or | No <u>-</u> |
8. Fee Enclosed: \$ - (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: Michael J. Needham Telephone Number: 208-275-3151  
Address: POB 25 West Fork Santa Crk. Rd Tensed ID 83870
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.

**Signature of permit holder:**

(include your title, if on behalf of company or organization)

Date:

MAR 30 1995

State of Idaho  
Department of Water Resources  
**Permit To Appropriate Water**

NO. 92-07206

Proposed Priority: January 27, 1994      Maximum Diversion Rate: 0.96 CFS

This is to certify, that **MICHAEL J NEEDHAM**  
PO BOX 44  
SANTA ID 83866-0044  
has applied for a permit to appropriate water from:

**UNNAMED STREAMS**      tributary of **SANTA CREEK**

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

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| FISH PROP. STORAGE    | 01/01 to 12/31       |                          | 15.0 AF              |
| DIVERSION TO STORAGE  | 01/01 to 12/31       | 0.96 CFS                 |                      |
|                       | Totals               | 0.96 CFS                 |                      |

LOCATION OF POINT(S) OF DIVERSION:      SESW , Sec. 35, Township 44N, Range 03W  
BENEWAH County

PLACE OF USE: FISH PROP. STORAGE

TWN RGE SEC

44N 03W 35      SESW

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **April 1, 1999**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. Assignment or sale of this right is subject to a determination by the Department that the right holder has proceeded to develop the right with due diligence and without speculation.
5. The right holder shall be required to provide the Department, upon request, information showing volume changes per hour necessary to maintain an adequate environment for the fish propagation facility. Volume changes per hour shall be based upon actual fish production.
6. Water used under this right if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.
7. Two points of diversion are located within SESW, S35, T44N, R03W. Fish propagation storage use is for a fish hatchery.

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APR 2 1994

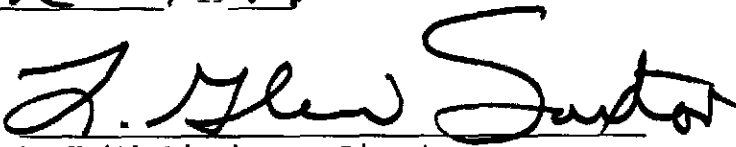
State of Idaho  
Department of Water Resources

# Permit To Appropriate Water

NO. 92-07206

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.  
Witness the signature of the Director, affixed at Boise, this

21<sup>st</sup> day of March, 1994

*for*  
  
R. Keith Higginson, Director



Feb 21 1994



STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
APPLICATION FOR PERMIT

Ident. No. 92-7206

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

1. Name of applicant Michael J. Needham Phone \_\_\_\_\_  
Post office address PO Box 44 Santa, ID 83866-0044
2. Source of water supply Unnamed Streams which is a tributary of Santa Creek
3. Location of point of diversion is \_\_\_\_\_  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of SW  $\frac{1}{4}$ , Govt. Lot \_\_\_\_\_  
Sec. 35 Township 44 N Range 3 W B.M. Benewah County; additional  
points of diversion if any: 2 points of diversion in the SE  $\frac{1}{4}$  SW  $\frac{1}{4}$
4. Water will be used for the following purposes:  
Amount 0.96 for Diversions to Storage purposes from 1/1 to 12/31 (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount 15 for Fish Prop. Storage purposes from 1/1 to 12/31 (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 0.96 and/or (b) 15  
cubic feet per second acre feet per annum
6. Proposed diverting works:
  - a. Description of ditches, flumes, pumps, headgates, etc. Ponds + ditches for fish propagation
  - b. Height of storage dam 8 feet; active reservoir capacity 15 acre-feet; total reservoir capacity 15 acre-feet; period of year when water will be diverted to storage:  
1/1 to 12/31 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 90°F being sought? NA
7. Time required for the completion of the works and application of the water to the proposed beneficial use is  
5 years (minimum 1 year).

APR 21 1994

8. Description of proposed uses (if irrigation only, go to item 9):

- 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. Fish Propagation

9. Description of place of use:

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

| TWP | RANGE | SEC. | NE¼ |     |     |     | NW¼ |     |     |     | SW¼ |     |     |     | SE¼ |     |     |     | TOTALS |
|-----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
|     |       |      | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ |        |
| 44N | 3W    | 35   |     |     |     |     |     |     |     |     |     |     |     | H   |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |

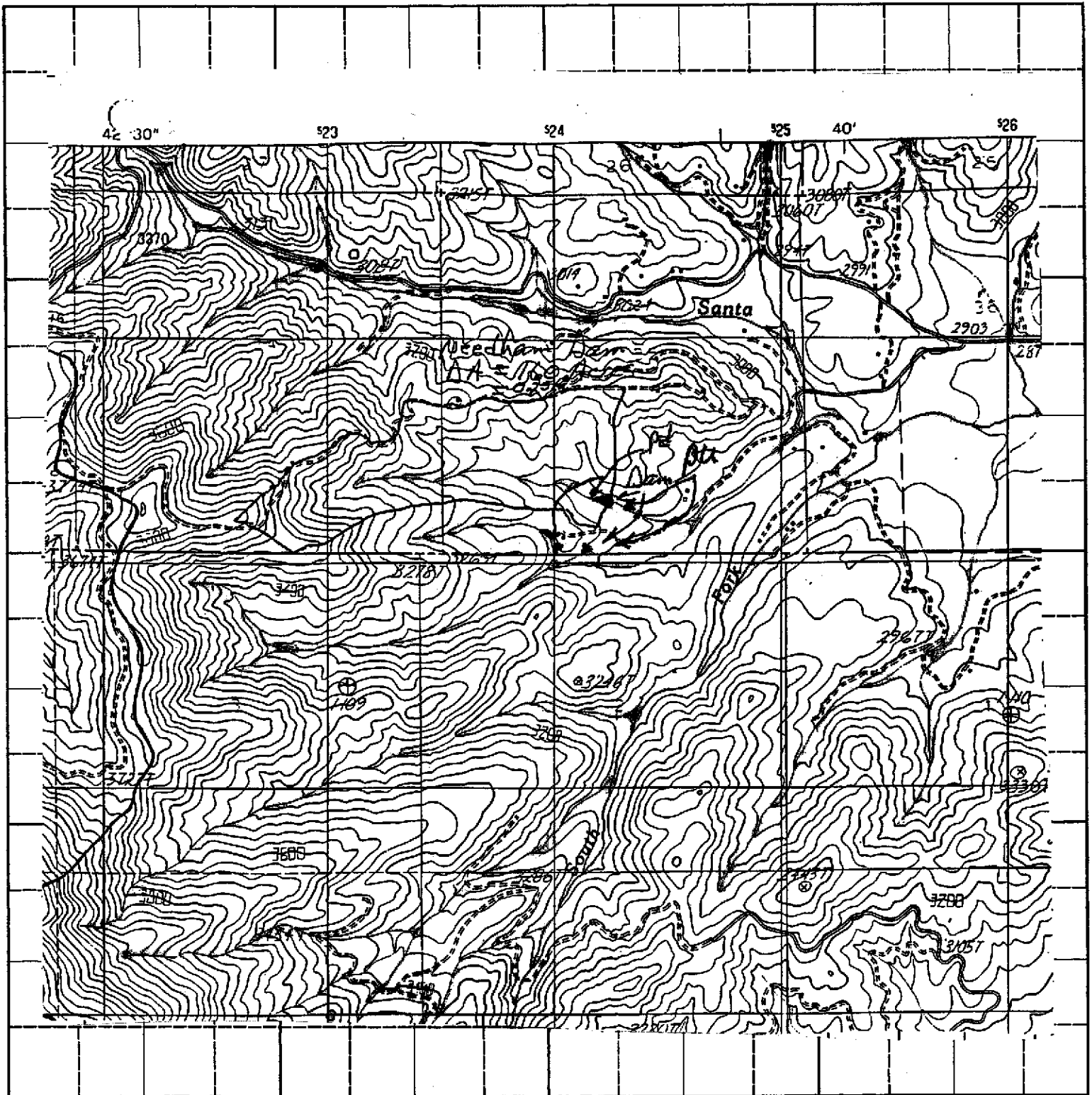
Total number of acres to be irrigated \_\_\_\_\_

10. Describe any other water rights used for the same purposes as described above. 92-7140 + 92-7203

11. a. Who owns the property at the point of diversion? Applicant
- b. Who owns the land to be irrigated or place of use? Applicant
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. \_\_\_\_\_

12. Remarks: TWO DIVERSION POINTS ARE LOCATED WITHIN SE¼SW, S35,  
T44N, R03W, FISH PROPAGATION<sup>STORAGE</sup> IS FOR FISH HATCHERY.

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.

APR 21 1994

*Michael J. Needham*  
(Applicant)

**ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES**

Received by 22 Date 1/27/94 Time 9:45am Preliminary check by AS  
Fee \$ 30 Received by 22 # N00 7306 Date 1/27/94  
Publication prepared by AS Date 2/10/94 Published in 2/10/94  
Publication approved AS Date 2/27/94

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. \_\_\_\_\_, and said application is hereby \_\_\_\_\_.

1. Approval of said application is subject to the following limitations and conditions:

**a. SUBJECT TO ALL PRIOR WATER RIGHTS.**

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before \_\_\_\_\_, 19\_\_\_\_.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other: \_\_\_\_\_

Updated Map  
January 1994

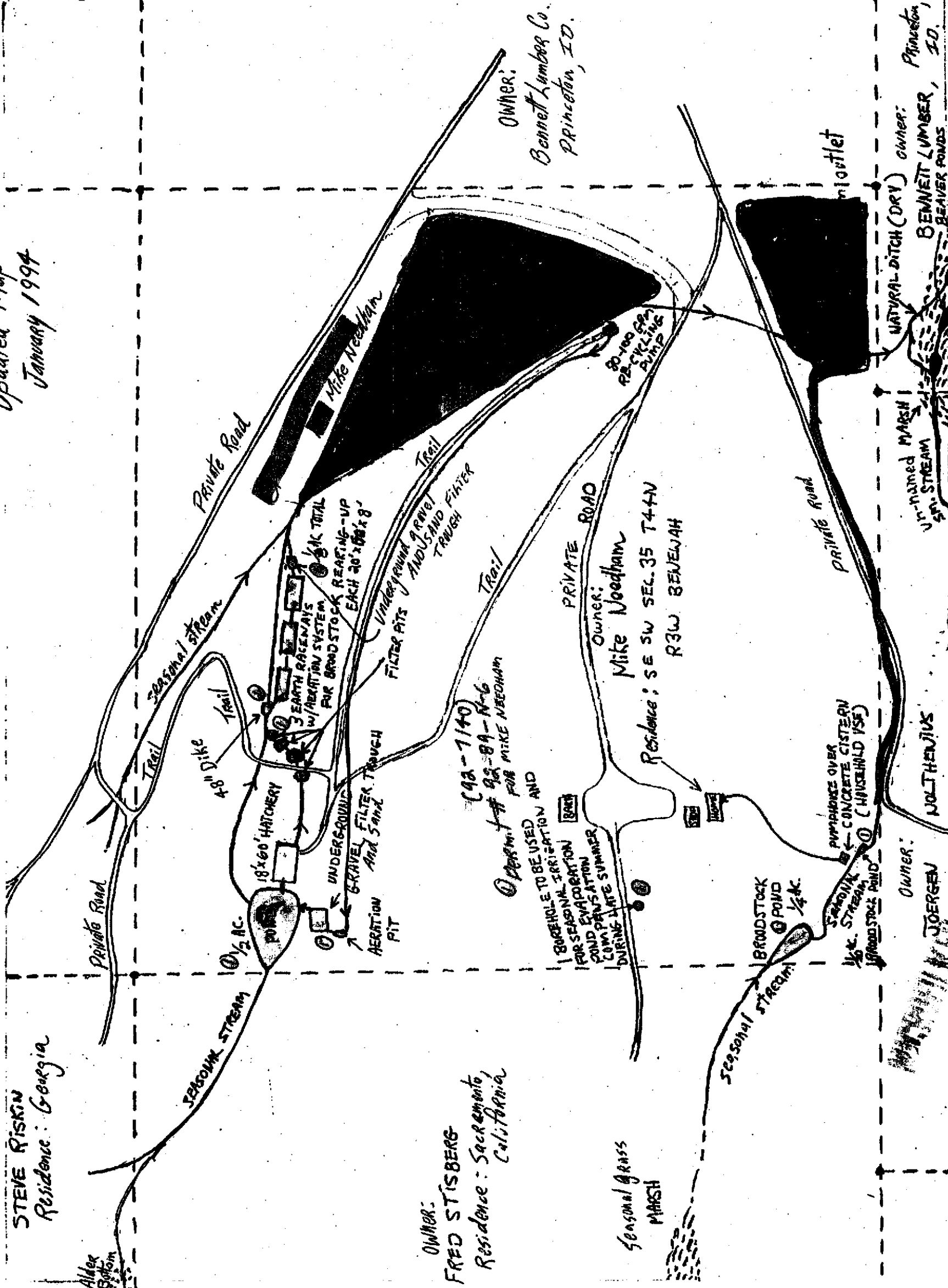
OWNER:  
STEVE RISKN  
Residence: Georgia

OWNER:  
FRED STISBERG  
Residence: Sacramento,  
California

OWNER:  
Bennett Lumber Co.  
Princeton, ID.

OWNER:  
BENNETT LUMBER,  
PRINCETON, ID.

Residence: Fernan Lk.,  
Coast d'Alone ID.



APR 21 1994



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

August 11, 1998

PHILIP E. BATT  
GOVERNOR

MICHAEL J NEEDHAM  
MIDDLE FORK SANTA CREEK RD  
PO BOX 25  
TENSED ID 83870

KARL J. DREHER  
DIRECTOR

RE: WATER RIGHTS 92-07141/92-07206

Dear Water Right Holder(s):

The Department of Water Resources (the Department) has issued the enclosed licenses confirming that water rights have been established in accordance with the permit referenced above. The licenses are preliminary orders issued by the Department pursuant to section 67-5243, Idaho Code. They can and will become final orders 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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AUG 25 1998

## 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

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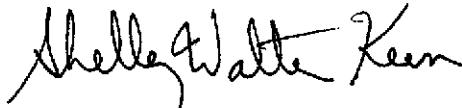
action is located.

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.

For your records, I have also enclosed copies of your Applications for Amendment of Permit, which were approved.

If you have questions, please contact me at (208) 327-7946.

Sincerely,



Shelley W. Keen  
Water Rights Supervisor

SWK:klt  
Enclosures

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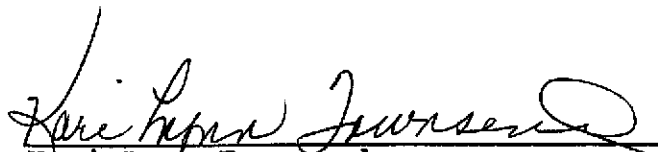
AUG 25 1998

**CERTIFICATE OF MAILING**

I hereby certify that on the 11th day of August, 1998, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDERS (Approved Licenses) to the person(s) listed below:

**Water Rights 92-07141/92-07206**

**MICHAEL J NEEDHAM  
MIDDLE FORK SANTA CREEK RD  
PO BOX 25  
TENSED ID 83870**

  
Kari Lynn Townsend  
Secretary

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AUG 25 1998



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

July 21, 1998

PHILIP E. BATT  
GOVERNOR

KARL J. DREHER  
DIRECTOR

MICHAEL J NEEDHAM  
MIDDLE FORK SANTA CREEK RD  
PO BOX 25  
TENSED ID 83870

RE: Water Rights 92-07141/92-07206

Dear Mr. Needham:

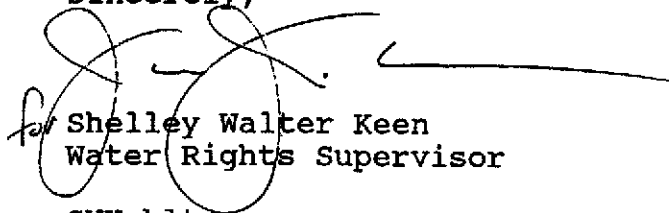
The Department of Water Resources is reviewing the permits referenced above prior to issuing water right licenses. By issuing a license, the Department confirms that a water right has been established in compliance with the terms of the permit. The examiner who verified your water use reported that you developed more points of diversion than were described on your permit. Therefore, before licenses can be issued, your permits must be amended to include the additional point(s) of diversion.

The enclosed Application for Amendment forms describe the additional point(s) of diversion and other information that will be included on the licenses when they are issued. In some cases, the reference to multiple points of diversion is contained in the list of conditions of approval and remarks on the last page of the amendment forms. Please review the amendments carefully. If you concur with the information presented, please sign the forms and return them with the \$100.00 (\$50.00 each) filing fee within 14 days.

Also, please note that some of the proposed conditions of approval and remarks may be modified upon further administrative review.

If you do not concur, or if you have any questions about this information, please call me at 208-327-7946.

Sincerely,

  
for Shelley Walter Keen  
Water Rights Supervisor

SWK:klt  
Enclosure

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AUG 25 1998

WR0749NP  
No. L92-07206

IDAHO DEPARTMENT OF WATER RESOURCES  
WATER RIGHT PROFILE REPORT

DATE: 05/29/98  
PAGE: 1

| OWNER<br>CODE    | NAME & ADDRESS                                                                                    | PRIORITY<br>DATE | WATER USE            | USE PERIOD<br>FROM TO | DIVERSION<br>RATE | DIVERSION<br>VOLUME |
|------------------|---------------------------------------------------------------------------------------------------|------------------|----------------------|-----------------------|-------------------|---------------------|
| C                | MICHAEL J NEEDHAM<br>MIDDLE FORK SANTA CREEK RD<br>PO BOX 25<br>TENSED ID 83870<br>(208) 245-3151 | 01/27/1994       | FISH PROPAGATION     | 01/01 12/31           | ✓ 0.180 CFS       | ✓ 130.00 AFA        |
|                  |                                                                                                   |                  | FISH PROP. STORAGE   | 01/01 12/31           |                   | ✓ 15.00 AFA         |
|                  |                                                                                                   |                  | DIVERSION TO STORAGE | 01/01 12/31           | ✓ 0.160 CFS       |                     |
| TOTAL DIVERSION: |                                                                                                   |                  |                      |                       | 0.180 CFS         | 145.00 AFA          |

Water Source: UNNAMED STREAMS ✓

Tributary to: SANTA CREEK

Stage: LICENSE

Point(s) of Diversion Capacity: 0.180 CFS ✓

Point(s) of Diversion: T44N R03W S35

SESW ✓

BENEWAH County

Place of use Legal Description for: FISH PROPAGATION

| NE  |     |    |   | NW |    |    |    | SW |    |    |    | SE |    |    |    |   |
|-----|-----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|---|
| T   | R   | S  | : | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | : |
| 44N | 03W | 35 | : |    |    |    |    |    |    |    |    |    |    |    |    | : |

F

Pou County: BENEWAH

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

92-07141 92-07203 92-07206 92-07212 L92-07141

Other Water Rights Listing Overlapping Place(s) of use:

92-04130

Conditions of Approval:

- 042 - The right holder shall provide the Department, upon request,
  - information showing volume changes per hour necessary to
  - maintain an adequate environment for the fish propagation
  - facility. Volume changes per hour shall be based upon actual
  - fish production.
- 081 - Use of water under this approval shall comply with applicable
  - water quality standards of the Division of Environmental Quality
  - of the Idaho Department of Health and Welfare.

Remarks: GEN ✓ Two points of diversion are located within SESW, S35,  
T44N, R3W.  
✓ Fish propagation and storage uses are for a fish hatchery.  
✓ Facility volume = 561,300 cubic feet.

Dates: App. Received: 01/27/1994 Priority Date: 01/27/1994  
Proof Due Date: 04/01/1999 Proof Made Date: 01/23/1995  
Exam Made Date: 05/08/1996 Exam Sent to S.O.: 10/18/1996  
Licensed Date:

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

WR0749NP  
No. L92-07206

IDAHO DEPARTMENT OF WATER RESOURCES  
WATER RIGHT PROFILE REPORT

DATE: 05/29/98  
PAGE: 2

=====  
Comments: Date: 02/08/1994 User-ID: STYPA Subject: DIVERSION DESCRIPTION  
Ponds and ditches for fish propagation.  
Dam height is 8 feet, active reservoir capacity is 15 AF;  
total reservoir capacity 15 AF; period of year when water will be  
diverted to storage 1/1 to 12/31 inclusive.  
Other water rights: 92-7140 and 92-7203.

Date: 01/25/1995 User-ID: VAULT Subject: Proof of Beneficial Use Rcvd  
Proof of Beneficial Use Rcvd

Audit: 05/19/98 SCURTIS 05/20/98 SCURTIS 05/29/98 SCURTIS

## MEMORANDUM

**TO: Files 92-07141 and 92-07206**

**FROM: Sharla**

**DATE: July 17, 1998**

**RE: Licensing Recommendation Adjustments**

The adjustments to licensing recommendations for Permit Nos. 92-07141 and 92-07206 are as follows:

### H. RECOMMENDATIONS

#### 92-07141:

|                    |             |          |          |
|--------------------|-------------|----------|----------|
| Fish Propagation   | 1/1 - 12/31 | 0.06 cfs | 42.6 afa |
| Fish Prop. Storage | 1/1 - 12/31 |          | 13.5 afa |
|                    | TOTALS      | 0.06 cfs | 56.1 afa |

#### 92-07206:

|                    |             |          |           |
|--------------------|-------------|----------|-----------|
| Fish Propagation   | 1/1 - 12/31 | 0.18 cfs | 130.0 afa |
| Fish Prop. Storage | 1/1 - 12/31 |          | 15.0 afa  |
|                    | TOTALS      | 0.16 cfs | 145.0 afa |

The rate is based on the re-exam measurements multiplied by 3 as recommended by Al Beardslee due to measurements being made AFTER the early season run-off.

The original exam reports recommended storage only, however, a direct flow component is required for continuous changes through the raceways.

Examiner: Ted McCracken

Exam Date: May 8, 1996

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**MEMORANDUM**

**TO: File 92-07206**

**FROM: Sharla**

**DATE: May 19, 1998**

**RE: Annual Volume for Fish Propagation Use**

Per a memo dated 1/15/88, volume is calculated this way:

1. Calculate changes per hour:  
total flow into facility x 3600/facility volume(cf) = changes
2. Calculate annual volume:  
facility volume(AF) x changes x 8760 = AFA
3. Calculate volume given by permitted flow:  
flow rate(cfs) x 1.98 x 365 days = AFA
4. Recommend lower figure

- 
1. 0.18 cfs x 3600/ 561,300 cf = 0.00115
  2. 12.9 AF x 0.00115 x 8760 = 130.0 AFA
  3. 0.18 cfs x 1.98 x 365 days = 130.1 AFA

RECOMMENDATION: 130.0 AFA

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# LICENSE REVIEW CHECKLIST

PERMIT NO. 92-07206 DATE 5/18/98 REVIEWER: SHARLA

NAME Change/OK  
 Address OK  
 SOURCE OK Does change clarify orig. intended source? If no, Void permit  
 POINT OF DIV Chg 3 Change (Para P39 - gov P40/P47) Add (P45/P42)  
 W32 (multiple in 1/4)  
 W36 (overlap)  
 W59 (subd. desc)

Overlaps: Right(s): \_\_\_\_\_  
 File reviewed \_\_\_\_\_ Profile reports printed \_\_\_\_\_

PLACE OF USE OK Change (P41 - gov P43/P47) Add (P41/P42)  
 W60 (subd. desc)  
 W27 (ppu acre limit)

Overlaps: Right(s): \_\_\_\_\_  
 File reviewed \_\_\_\_\_ Profile reports printed \_\_\_\_\_

RATE OF DIV  
 Permitted Rate .96 cfs 15 af  
 Fee limit 1.0 cfs 100 af \$10000  
 Measured .96 cfs X 3 = .28  
 Theoretical 1.00 cfs  
 Recommended Total Div Rate .28 cfs  
 Meas. pts. 4b, 6  
1, 6, 8, 10

WATER USES Chg  
 Fish stor. .28 cfs 15.0 af Irrig - overlap (R58-R61, R62-R65, R66-R69)  
 Fish .16 cfs 151.4 af supp. gw (WB7/065/079)  
 Div to stor. .16 cfs \_\_\_\_\_ af overlap spec. combined rts (W35)  
 \_\_\_\_\_ cfs \_\_\_\_\_ af <1acre (W31)  
 \_\_\_\_\_ cfs \_\_\_\_\_ af Domestic (W01/WB5/070/071/075)  
 TOTALS .28 cfs 166.4 af Power (W42 or W43/025/027/R22 or R23)  
 Fish (042) Fire (077) Wtr Quality (081/007)

Flow rate .21 cfs X 365 days X 1.98 = 151.8 af  
 REMARKS Facility volume = 561,300 af  
(472,500 lower lake  
28,800 brood stock ponds  
60,000 raceways

ADD'L CONDITIONS \_\_\_\_\_ Watermaster Control WD# \_\_\_\_\_  
 GW Measurement/Measuring Device  
 Others Trust (052/R55 - remove 051) Non-trust (048/049)

Advance Priority \_\_\_\_\_ yes \_\_\_\_\_ no SRBA Claim N/A Adjust Memo direct flow  
 Amend letters P45, P38  
P42

# DAM SUMMARY SHEET

December 16, 1996

NEEDHAM  
92 . 7203

INVENTORY \_\_\_\_\_ A  
BASIN \_\_\_\_\_ 92  
DAM NUMBER \_\_\_\_\_ 7203  
FED ID NUMBER \_\_\_\_\_  
DAM NAME \_\_\_\_\_ NEEDHAM  
COUNTY \_\_\_\_\_ BENEWAH  
STREAM \_\_\_\_\_ TR-SANTA CREEK  
REGION \_\_\_\_\_ N  
PURPOSE \_\_\_\_\_ H  
RISK CATEGORY \_\_\_\_\_ 3  
SIZE CATEGORY \_\_\_\_\_ 3  
Q-Q SECTION \_\_\_\_\_ SESW  
SECTION \_\_\_\_\_ 35  
TOWNSHIP \_\_\_\_\_ 44N  
RANGE \_\_\_\_\_ 03W  
LATITUDE DEC \_\_\_\_\_ 47.1106  
LONGITUDE DEC \_\_\_\_\_ 116.6809  
DAM TYPE \_\_\_\_\_ EARTH  
STORAGE CAPACITY \_\_\_\_\_ 19.00 ACFT  
HEIGHT \_\_\_\_\_ 19.00 FT  
DRAINAGE AREA \_\_\_\_\_ 0.30 SQMI  
RESERVOIR AREA \_\_\_\_\_ 2.00 AC  
YEAR COMPLETED \_\_\_\_\_ 1994  
CREST ELEVATION \_\_\_\_\_ 3,030.00 MSL  
CREST LENGTH \_\_\_\_\_ 370.00 FT  
SPILLWAY TYPE \_\_\_\_\_ RPCHAN  
SPILLWAY DEPTH \_\_\_\_\_ 4.00 FT  
SPILLWAY CAPACITY \_\_\_\_\_ 65.00 CFS  
OUTLET TYPE \_\_\_\_\_ NONE  
OUTLET SIZE \_\_\_\_\_ 0 IN  
OUTLET CAPACITY \_\_\_\_\_ 0.00 CFS  
IDF \_\_\_\_\_ Q50  
IDF MAGNITUDE \_\_\_\_\_ 23.00 CFS  
RELEASE CAPACITY \_\_\_\_\_ 65.00 CFS

CONDITION \_\_\_\_\_ GD  
MAINTENANCE \_\_\_\_\_ ROUTINE  
INSPECTION DATE \_\_\_\_\_ 0996 MO/YR  
CERTIFICATE EXP DATE \_\_\_\_\_ 1198 MO/YR  
LAST RISK EVALUATION \_\_\_\_\_ 0693 MO/YR  
SURVEY DATE \_\_\_\_\_ 6/25/96 MO/DD/YR  
CALL UP DATE \_\_\_\_\_ MO/DD/YR  
CERT ISSUE DATE \_\_\_\_\_ 12/ 6/96 MO/DD/YR  
INSPECTION INTERVAL \_\_\_\_\_ 2YR  
PHASE I INSP DATE \_\_\_\_\_  
OPERATION PLAN \_\_\_\_\_ N  
SEISMIC ANALYSIS \_\_\_\_\_ N  
RESTRICTED \_\_\_\_\_  
JOINT INSPECTION \_\_\_\_\_  
QUAD NUMBER \_\_\_\_\_ H55  
QUAD NAME \_\_\_\_\_ WEST DENNIS

DAM OWNER \_\_\_\_\_ MICHAEL J NEEDHAM  
ADDRESS - 1 \_\_\_\_\_  
ADDRESS - 2 \_\_\_\_\_ PO BOX 44  
CITY \_\_\_\_\_ SANTA  
STATE \_\_\_\_\_ ID  
ZIP CODE \_\_\_\_\_ 83866  
ZIP SUFFIX \_\_\_\_\_  
PHONE \_\_\_\_\_ 2453151  
AREA CODE \_\_\_\_\_ 208

GENERAL REMARKS : DRAIN AREA - 180 ACRES. RESV AREA - 1.5 ACRES. DAM CREST RAISED AND LEVELED IN SUMMER 1996. NOT YET SURVEYED. SPILLWAY DEPTH ESTIMATED.

TECHNICAL REMARKS : SPILLWAY & RELEASE CAPACITIES ARE WITH 2.0' FB. SPILLWAY CAPACITY CONTROLLED BY 6 FOOT CMP USED FOR ROAD CROSSING IN LOWER SPILLWAY CHANNEL. AN ELECTRIC PUMP WILL BE USED TO DRAW RESERVOIR DOWN IF NEEDED.

RESTRICTIONS :

ALTERNATE CONTACTS :

Needham Nam  
A92-7203  
9/1/94



Looking down the spillway channel toward  
the culvert under the access road to  
Needhams house.

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AUG 25 1998

Needham Dam  
D92-7203  
9/1/94

Reservoir area and  
small island from  
the dam crest.

Downstream Slope  
looking toward the  
left abutment.

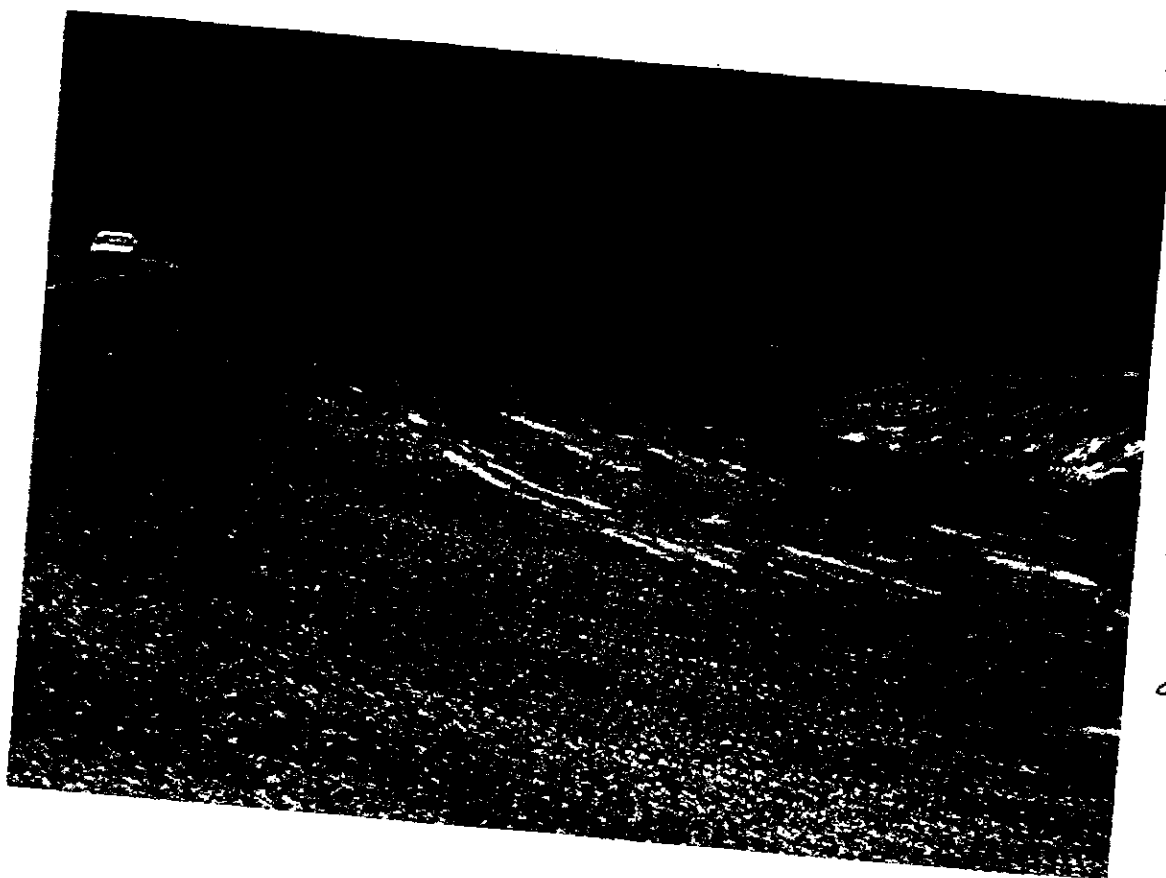
Downstream Slope  
looking toward the  
right abutment.

Upstream slope &  
dam crest looking  
toward the right  
abutment

Right abutment  
area. The arrows  
show the entrance  
to the spillway  
channel.

MICROFILMED

AUG 25 1998



Needham Dam  
D92-7203  
9/10/96

Dam crest from  
the left abutment

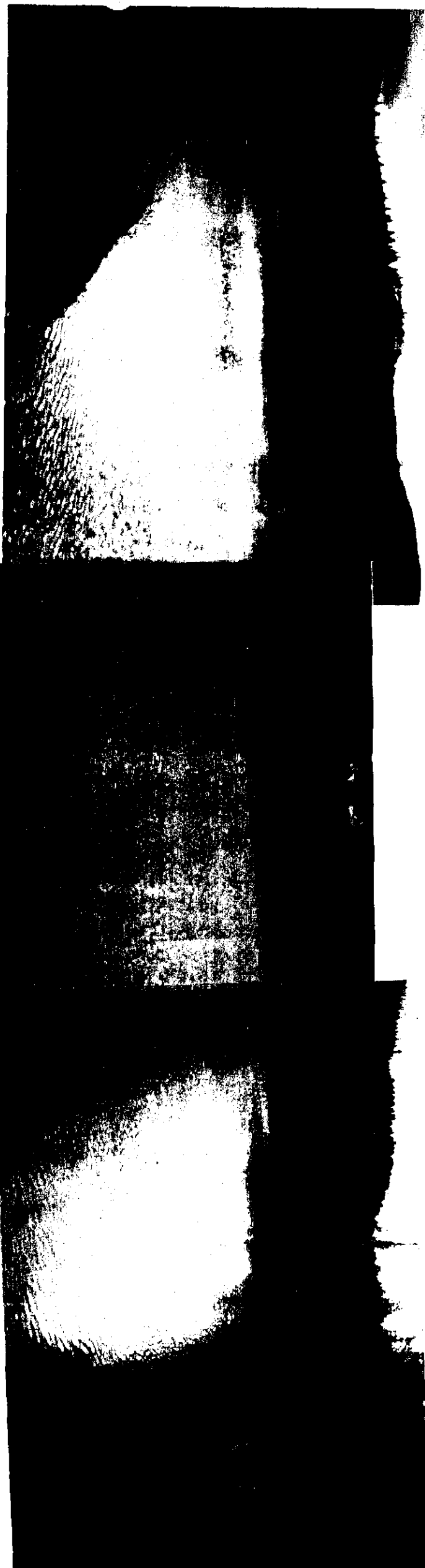
Downstream slope  
from the left  
abutment.

closer view of the  
downstream slope.

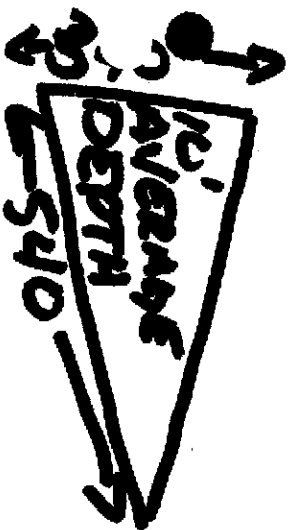
MICROFILMED  
AUG 25 1998

5/8/94

Perm # 92-07203



NEEDHAM'S UPPER LAKE



$$\frac{540 \times 340}{2} = 91,800 \text{ ft}^2 \times 10' \text{ DEEP}$$

43,500

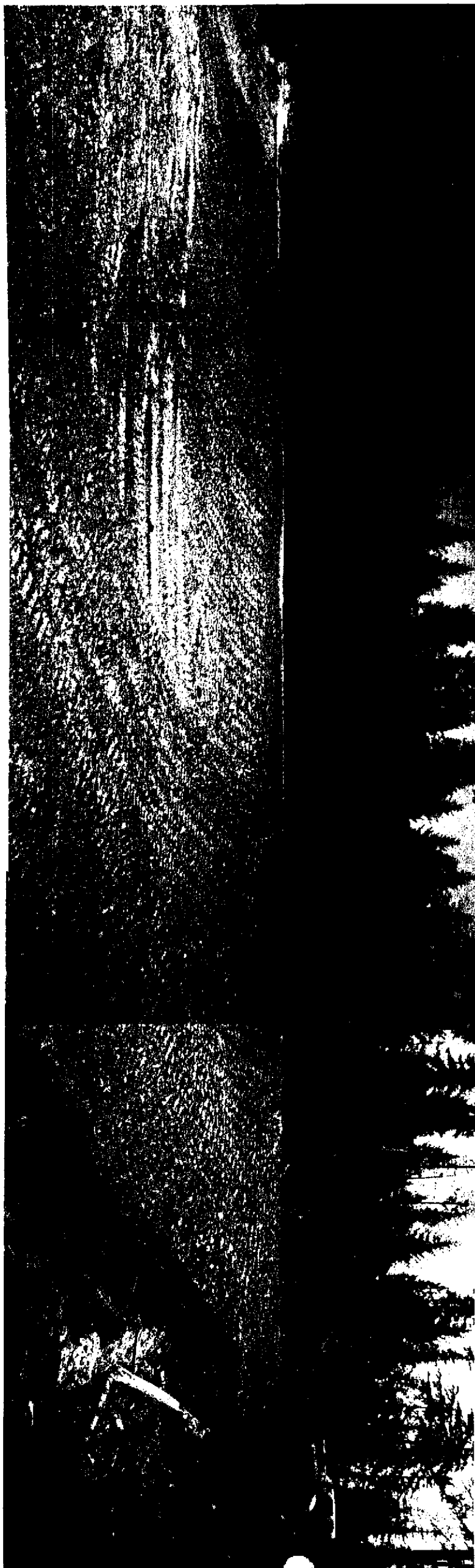
PICTURE TAKEN FROM  
NE CORNER OF LAKE  
LOOKING WEST

21.146

MICROFILMED  
DEC 11 1997

MICROFILMED  
AUG 25 1998

Upstream slope from the entrance to the spillway channel.



AD92-7203  
9/1/94

MICROFILMED  
AUG 25 1998

Reservoir area and dam embankment from the left abutment.



1892-7203  
9/1/94

PROFILMED  
25 1998

Memorandum

Date: April 29, 1998

From: Beardslee

To: ~~Keen~~ Files

RE: Mike Needham / Flow Measurements

~~~~~  
On April 22, 1998, we conducted stream flow measurements at various points throughout Mr. Needham's fish pond system.

Mr. Needham explained to us that since the high flow run off was earlier than normal this year and that what we measured represented approximately 1/3 of the flow at each point.

For Licensing purposes, we recommend that the flow measurements be taken times 3, for the diversion rates.

MICROFILMED

8116 2 5 1998



8661 5 2 90V  
MICROFILMED  
AUG 25 1998

MIKE NEEDHAM  
- 245-3151 -

4/29/98  
FROM: BEARDSLEY  
TO: KEEN  
RE: NEEDHAM

6/10/71 . . .  
HIGHLIGHTED AREAS  
MARK LOCATIONS WHERE  
WE SHOULD GET MEASUREMENTS

RECEIVED  
MAY 11 1998  
Department of Water Resources

MIKE NEEDHAM  
92-07206 P  
245-3151  
92-07141 P  
92-07212 L  
92-07203 L

MICROFILMED  
AUG 25 1998

92-07141

Mike Needham

Beverly county

Source; unnamed Stream

T44N R3W Sec 35 S&SW

Tributary to; Santa Creek, South Fork

Location notes; #4, 4B, 4C, #5

$$\# 4. \quad 4 \text{ gal in } 13.98 \text{ sec.} = \frac{4 \text{ gal}}{X} = \frac{13.98 \text{ sec.}}{60 \text{ sec.}} = \frac{240}{13.98} = 17.17 \text{ gpm}$$

$$\# 4B \quad 4 \text{ gal in } 80 \text{ sec.} = \frac{4 \text{ gal}}{X} = \frac{80 \text{ sec.}}{60 \text{ sec.}} = \frac{240}{80} = 3 \text{ gpm}$$

$$\# 4C \quad 4 \text{ gal in } 19.37 \text{ sec.} = \frac{4 \text{ gal}}{X} = \frac{19.37 \text{ sec.}}{60 \text{ sec.}} = \frac{240}{19.37} = 12.39 \text{ gpm}$$

$$\# 5 \quad 4 \text{ gal in } 51.73 = \frac{4 \text{ gal}}{X} = \frac{51.73 \text{ sec.}}{60 \text{ sec.}} = \frac{240}{51.73} = 4.64 \text{ gpm}$$

total = 37.2 gpm

MICROFILMED

AUG 25 1998

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

RECEIVED

OCT 21 1996

Department of Water Resources

**A. GENERAL INFORMATION**

Permit No. 92-07206

1. Owner: Michael J Needham Phone No. \_\_\_\_\_

Current Address: P.O. Box 25 W fork Santa Creek rd. Tensed Id 83870

2. Accompanied by: owner EXAM DATE: 5/8/96

Address: same as above Phone No. \_\_\_\_\_

Relationship to Permit Holder: \_\_\_\_\_

3. Source: unnamed streams tributary to Santa Creek

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 92-04130

2. Other water rights with the same point of diversion: \_\_\_\_\_

**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 |
|-----------|-----------|-----|-----|-----|------|------|------|----------|---------------------------------|
|           |           | SE  | SE  | SW  | 35   | 44N  | 03W  | Benedict | Usgs 7.5 min quad               |
|           |           | NW  | SE  | SW  | 35   | 44N  | 03W  | Benedict | Usgs 7.5 min quad               |
|           |           |     |     |     |      |      |      |          |                                 |
|           |           |     |     |     |      |      |      |          |                                 |

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

Indicate Method of Determination Usgs 7.5 min quad

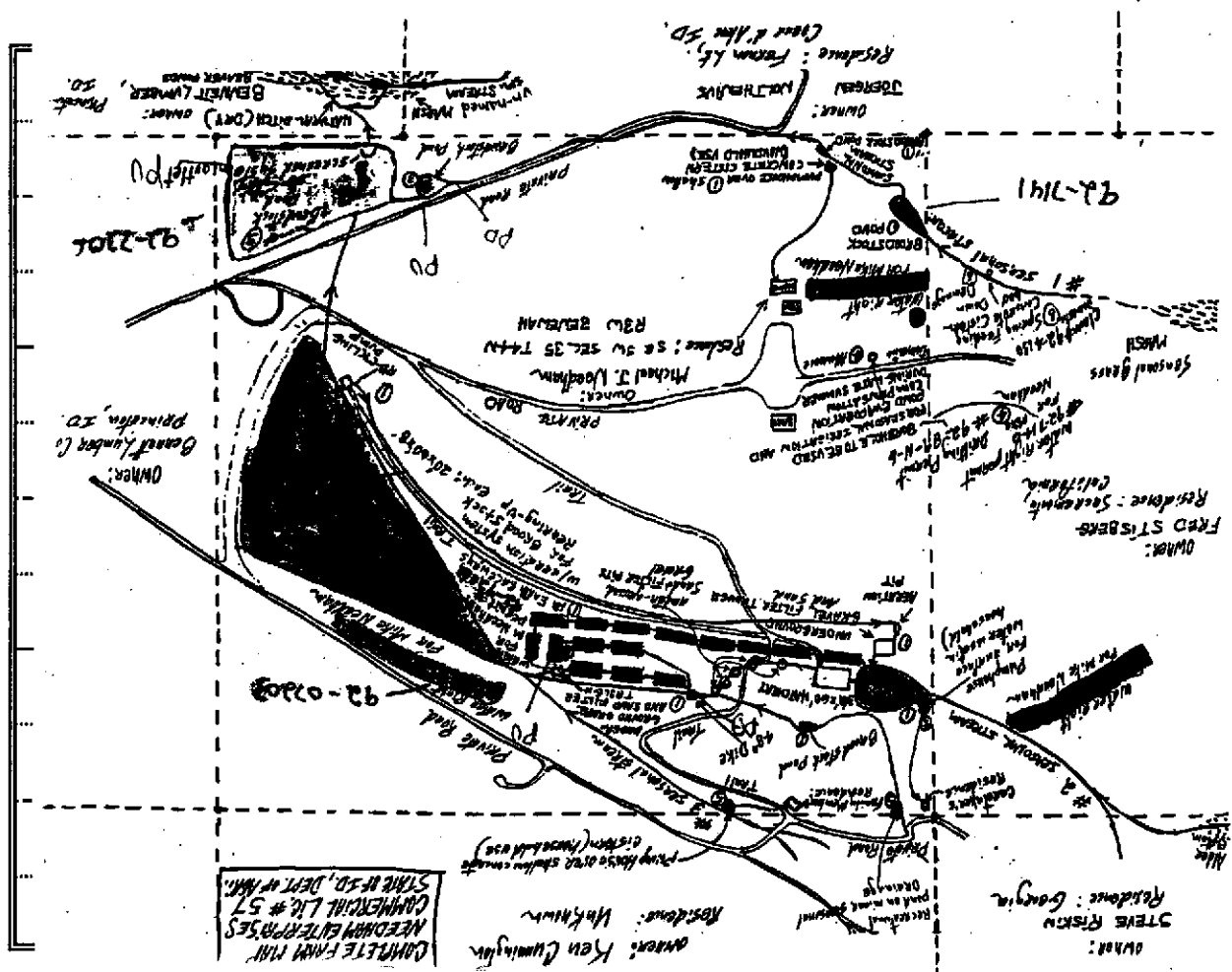
| TWP | RGE | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 44N | 03W | 35  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

(F = FISH PROPAGATION STORAGE)

MICROFILMED

200 2 1 1998

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



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

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------------------|------------|----|------------------|-----------|-----------------------------------|
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |

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

### D. FLOW MEASUREMENTS

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

### 2. Measurements:

E. NARRATIVE/REMARKS/COMMENTS

Water from 2 unnamed streamers is used to fill 2 Brookstock ponds and 3 raceways for fish propagation. These ponds are on the natural stream channels and is not diverted from these channels so there is no diversion to storage.

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

MICROFILMED

AUG 25 1998

# F. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

## 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:

③ Raceways  $\frac{20 \times 75 \times 8}{43560} = .83$

① Pond  $\frac{30 \times 60 \times 10}{43560} = .41$

① Pond  $\frac{250 \times 200 \times 12}{43560} = 13.7$

## H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

*Full River Storage*

Period of Use  
From To

01-01 12-31

Rate of Diversion  
Q (cfs)

—

Annual Volume  
V (afa)  
14,94

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Totals:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
14,94

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 *John McCreary* Date *11/12/95*

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

SEAL

NOV 25 1995

OWNER: DAVE PEDRICK  
RES: CALIFORNIA

STEEP (DESIGNATED HAULING ROAD)  
PRIVATE ROAD, NEEDS RIP-RAPPED

HEAVILY OVER-GROWN  
NO CULVERT ABOVE AT CROSSING

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

NO CULVERT

PRIVATE ROAD - ROCKED

MARSH - ALDER

BRIDGE

OWNER: FRED STISBERG  
Residence: Sacramento, California

NOTE: SOILS IN THIS BASIN  
ARE HIGHLY ERODIBLE,  
AND THERE ARE 3 POINTS  
OF DOMESTIC USE, AND  
A FISH HATCHERY BELOW,  
AT ITS BASE

OWNER: JOERGEN NOLTHENIUS  
(DESIGNATED HAULING ROAD - NEEDS ROCKED)

OWNER: STEVE RISKIN  
Residence: Georgia

OWNER: KEN CUNNINGTON  
Residence: SPOKANE, WA.

COMPLETE FARM MAP  
NEEDHAM ENTERPRISES  
COMMERCIAL LIC # 57  
STATE OF ID. DEPT. OF AGRI.

INCLUDES PARTIAL  
WATERSHEDS FOR  
BOTH UPPER AND  
LOWER NEEDHAM  
LAKE DRAINAGES

OWNER: MICHAEL J. NOEDHAM  
Residence: SE SW SEC. 35 T44N  
R3W BENJEWAH

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID

OWNER: JOERGEN NOLTHENIUS

OWNER: FERNAN L.T.,  
COURT D'ALON, ID.

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID

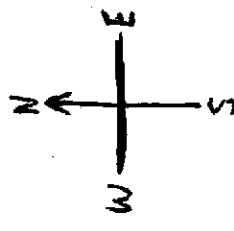
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PRINCETON, ID

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PRINCETON, ID

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID



1/8 TH MI. TO COUNTY RD.

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID

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PRINCETON, ID

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PRINCETON, ID

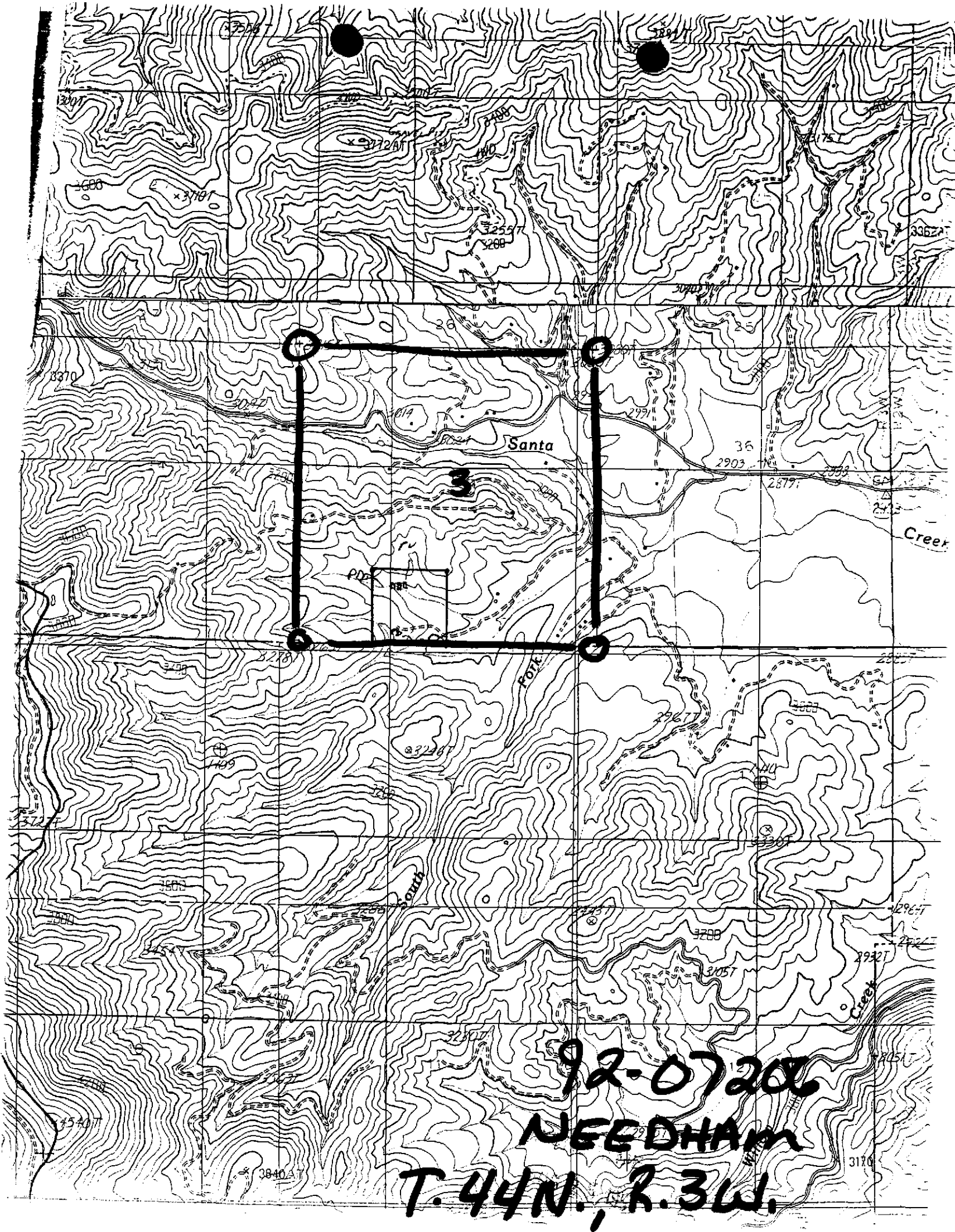
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PRINCETON, ID

OWNER: BENNETT LUMBER CO.  
PRINCETON, ID



92-07206  
NEEDHAM  
T. 44N., R. 3W.

PERMIT # 92-07206



5/8/96

"FISH RACE LAYS"

60' LONG x 20' WIDE x 8' DEEP AU.

$$\frac{60' \times 20' \times 8'}{43560} = 0.22 \text{ AF/PER RACE WAY}$$

$$3 \text{ RACE WAYS} \times 0.22 \text{ AF} = 0.66 \text{ AF}$$

TOTAL

APPROVED  
AUG 25 1996

PERMIT # 92-0720



5/8/96

BROODSTOCK POND  
DIMENSIONS:

60' WIDE X 100' LONG X 10' AVERAGE  
DEPTH

$$\frac{60' \times 100' \times 10'}{43560} = \frac{60,000}{43560} = 1.38 \text{ AC}$$

PICTURE TAKEN FROM  
NW CORNER OF POND  
LOOKING EAST

MICROFILMED

AUG 25 1998

PERMIT # 92-07202



9/8/96

NO. 2 5 1992

"NEEDHAM'S LOWER LAKE"

DIMENSIONS: TRIANGLE SHAPE



$$\frac{300' \times 210'}{2} = 31,500 \text{ ft}^2 \times 15' \quad 10.8 \text{ AC}$$

---

$$43,560$$



7/90

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
OPEN CHANNEL DISCHARGE MEASUREMENT NOTES

GENERAL INFORMATION

CLAIM / WATER RIGHT NUMBER: 92-07141

SOURCE: unnamed Stream  
TRIBUTARY TO: Santa Creek, South Fork COUNTY: Benewah  
DATE: 4-22-98 LOCATION: T. 44N R. 3W SEC. 35 , 1/4 SE 1/4 SW 1/4  
LOCATION NOTES: # 7

PERSON(S) CONDUCTING MEAS.: D. Page  
ACCOMPANIED BY: \_\_\_\_\_

MEAS. DEVICE Pygmy I.D. NO. \_\_\_\_\_  
SPIN TEST: BEFORE MEAS. 1.08 min AFTER MEAS. 50.2 sec.  
COMPUTED BY: D. Page DATE: 4/23/98 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

RESULTS

WIDTH: 1.9 Ft. AREA: 0.19 sq. ft. VEL: .27 fps DISCHARGE: .052 cfs

MEASUREMENT DATA

CROSS SECTION: \_\_\_\_\_

FLOW CONDITIONS: \_\_\_\_\_

DIVERSIONS UPSTREAM: \_\_\_\_\_

REMARKS: \_\_\_\_\_

SYSTEM DIAGRAM

RECEIVED

AUG 25 1998



STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
OPEN CHANNEL DISCHARGE MEASUREMENT NOTES

## GENERAL INFORMATION

CLAIM / WATER RIGHT NUMBER: 92-07141SOURCE: Unnamed StreamTRIBUTARY TO: Santa Creek, South ForkCOUNTY: BenevaDATE: 4-22-98LOCATION: T. 44N R. 3W SEC. 351/4 SE 1/4 SW 1/4LOCATION NOTES: calvert #6PERSON(S) CONDUCTING MEAS.: D. Pagel

ACCOMPANIED BY:

MEAS. DEVICE 129 PygmyI.D. NO. 108 minSPIN TEST: BEFORE MEAS. 1.29AFTER MEAS. 1.08COMPUTED BY: D PagelDATE: 4/24/98

CHECKED BY:

DATE:

## RESULTS

WIDTH: 2.3 ft.AREA: .11 sq. ft.VEL.: .48 FPSDISCHARGE: .054 cfs

## MEASUREMENT DATA

CROSS SECTION:

FLOW CONDITIONS:

VELOCITIES UPSTREAM:

MARKS:

## STEM DIAGRAM

RECORDED  
AUG 25 1998



7/90

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
OPEN CHANNEL DISCHARGE MEASUREMENT NOTES

GENERAL INFORMATION

CLAIM / WATER RIGHT NUMBER: 92-07141

SOURCE: unnamed stream  
TRIBUTARY TO: Santa Creek, South Fork COUNTY: Bonewah  
DATE: 4-22-98 LOCATION: T. 44N R. 3W SEC. 35, 1/4 SE 1/4 SW 1/4  
LOCATION NOTES: #3  
PERSON(S) CONDUCTING MEAS.: D. Pagel  
ACCOMPANIED BY:  
MEAS. DEVICE Pygmy I.D. NO.  
SPIN TEST: BEFORE MEAS. 1.18 AFTER MEAS. 1.10  
COMPUTED BY: D. Pagel DATE: 4-23-98 CHECKED BY: DATE:

RESULTS

WIDTH: 1.0 ft. AREA: .02 sq. ft. VEL.: .36 f/s DISCHARGE: .007 cfs

MEASUREMENT DATA

CROSS SECTION:  
FLOW CONDITIONS:  
DIVERSIONS UPSTREAM:  
REMARKS:

SYSTEM DIAGRAM

RECEIVED  
AUG 25 1998

| FROM<br>INITIAL<br>POINT | WIDTH | DEPTH | INSTN.<br>DEPTH | REVS. | TIME<br>SEC. | VELOCITY    |                     |  | AREA | DISCHARGE | DIST.<br>FROM<br>INITIAL<br>POINT | WIDTH | DEPTH | OBSERV.<br>DEPTH  | REVS. | TIME<br>SEC. | VELOCITY    |                     |     | AREA   | DISCHARGE |
|--------------------------|-------|-------|-----------------|-------|--------------|-------------|---------------------|--|------|-----------|-----------------------------------|-------|-------|-------------------|-------|--------------|-------------|---------------------|-----|--------|-----------|
|                          |       |       |                 |       |              | AT<br>POINT | MEAN<br>IN<br>VERT. |  |      |           |                                   |       |       |                   |       |              | AT<br>POINT | MEAN<br>IN<br>VERT. |     |        |           |
| 1.0                      | .10   |       | LEW             |       |              |             |                     |  |      |           | 2.1                               | .10   | .20   |                   | 2     | 41           | .049        | .02                 |     | .02    | .0098     |
| 1.2                      | .15   | .30   |                 | 7     | 41           | .171        |                     |  | .045 | .0077     | 2.2                               | .10   | .20   |                   | 10    | 43           | .233        |                     | .02 | .00466 |           |
| 1.3                      | .10   | .35   |                 | 6     | 46           | .130        |                     |  | .035 | .00455    | 2.3                               | .40   | .20   |                   | 11    | 43           | .256        |                     | .08 | .02048 |           |
| 1.4                      | .10   | .30   |                 | 11    | 43           | .256        |                     |  | .03  | .00768    | 3.0                               | .35   |       | REW               |       |              |             |                     |     |        |           |
| 1.5                      | .10   | .30   |                 | 15    | 42           | .357        |                     |  | .03  | .01071    | N                                 | N     |       |                   |       |              |             |                     |     |        |           |
| 1.6                      | .10   | .40   |                 | 8     | 45           | .178        |                     |  | .04  | .00712    |                                   |       |       | V = $\frac{Q}{A}$ |       |              |             |                     |     | .425   | .08317    |
| 1.7                      | .10   | .40   |                 | 9     | 43           | .209        |                     |  | .04  | .00836    |                                   |       |       |                   |       |              |             |                     |     |        |           |
| 1.8                      | .10   | .35   |                 | 8     | 44           | .182        |                     |  | .035 | .00637    |                                   |       |       |                   |       |              |             |                     |     |        |           |
| 1.9                      | .10   | .30   |                 | 7     | 46           | .152        |                     |  | .03  | .00456    |                                   |       |       |                   |       |              |             |                     |     |        |           |
| 2.0                      | .10   | .20   |                 | 0     | 40           | 0           |                     |  | .02  | 0         |                                   |       |       |                   |       |              |             |                     |     |        |           |

DEPARTMENT OF WATER RESOURCES  
OPEN CHANNEL DISCHARGE MEASUREMENT NOTES

GENERAL INFORMATION

CLAIM / WATER RIGHT NUMBER: 92-07141

SOURCE: unnamed Stream

TRIBUTARY TO: Santa Creek, South Fork

COUNTY: Benevol

DATE: 4-22-98

LOCATION: T. 44N R. 3W SEC. 35

1/4 SE 1/4 SW 1/4

LOCATION NOTES: #2

PERSON(S) CONDUCTING MEAS.: D. Pagel

ACCOMPANIED BY:

MEAS. DEVICE Pygmy

I.D. NO.

SPIN TEST: BEFORE MEAS. 1.10

AFTER MEAS. 1.29

COMPUTED BY: D. Pagel

DATE: 4-23-98

CHECKED BY:

DATE:

RESULTS

WIDTH: 2.0 Ft.

AREA: .425 sq. ft.

VEL.: .196 Ft/sec.

DISCHARGE: .083 CFS

MEASUREMENT DATA

CROSS SECTION:

FLOW CONDITIONS:

VELOCITIES UPSTREAM:

MARKS:

SCHEMATIC DIAGRAM

41  $\overline{)1900}$   
144  
250  
46  
#3

3" x .1

19/41

.46  
.3  
.138

$$Q = V \times A$$

$$.46 \times .3$$

MEASUREMENT  
DATE 2 5 98

| TICK<br>INITIAL<br>POINT | WIDTH | DEPTH | INST. DEPTH | REVS. | TIME<br>SEC. | VELOCITY    |                     | AREA  | DISCHARGE | DIST.<br>FROM<br>INITIAL<br>POINT | WIDTH | DEPTH | OBSERV.<br>DEPTH | REVS. | TIME<br>SEC. | VELOCITY    |                     | AREA  | DISCHARGE |
|--------------------------|-------|-------|-------------|-------|--------------|-------------|---------------------|-------|-----------|-----------------------------------|-------|-------|------------------|-------|--------------|-------------|---------------------|-------|-----------|
|                          |       |       |             |       |              | AT<br>POINT | MEAN<br>IN<br>VERT. |       |           |                                   |       |       |                  |       |              | AT<br>POINT | MEAN<br>IN<br>VERT. |       |           |
| 1.0                      | .15   |       | 22W         |       |              |             |                     |       |           | 2.3                               | .35   | .10   |                  | 4     | 47           | .085        |                     | .035  | .00298    |
| 1.3                      | .25   | .05   |             | 9     | 46           | .196        |                     | .0125 | .00245    | 2.9                               | .30   |       | REW              |       |              |             |                     |       |           |
| 1.5                      | .15   | .05   |             | 8     | 42           | .190        |                     | .0075 | .00142    | 1.9                               | 1.90  |       |                  |       |              |             |                     | .0125 | .01862    |
| 1.6                      | .10   | .10   |             | 12    | 44           | .273        |                     | .01   | .00273    |                                   |       |       |                  |       |              |             |                     |       |           |
| 1.7                      | .10   | .10   |             | 10    | 42           | .238        |                     | .01   | .00238    |                                   |       |       |                  |       |              |             |                     |       |           |
| 1.8                      | .10   | .10   |             | 7     | 45           | .156        |                     | .01   | .00156    |                                   |       |       |                  |       |              |             |                     |       |           |
| 1.9                      | .10   | .10   |             | 8     | 44           | .182        |                     | .01   | .00182    |                                   |       |       |                  |       |              |             |                     |       |           |
| 2.0                      | .10   | .10   |             | 5     | 45           | .111        |                     | .01   | .00111    |                                   |       |       |                  |       |              |             |                     |       |           |
| 2.1                      | .10   | .10   |             | 4     | 42           | .095        |                     | .01   | .00095    |                                   |       |       |                  |       |              |             |                     |       |           |
| 2.2                      | .10   | .10   |             | 5     | 41           | .122        |                     | .01   | .00122    |                                   |       |       |                  |       |              |             |                     |       |           |

$$V = \frac{Q}{A}$$

$$= \frac{.01862}{.0125} = 1.4896$$

$$= \frac{.01862}{.125} = 0.14896$$

15-2-58

DEPARTMENT OF WATER RESOURCES  
OPEN CHANNEL DISCHARGE MEASUREMENT NOTES

#1

GENERAL INFORMATION

CLAIM / WATER RIGHT NUMBER: 92-07141

SOURCE: unnamed streams

TRIBUTARY TO: Santa Creek, South Fork

COUNTY: Benewah

DATE: ~~4-23-98~~ 4-22-98 LOCATION: T. 44N R. 3W SEC. 35, 1/4 SE 1/4 SW 1/4

LOCATION NOTES: #1

PERSON(S) CONDUCTING MEAS.: Dave Pagel

ACCOMPANIED BY:

MEAS. DEVICE Pygmy

I.D. NO.

PIN TEST: BEFORE MEAS. 1.21

AFTER MEAS. 1.10

COMPUTED BY: Dave Pagel

DATE: 4-23-98

CHECKED BY:

DATE:

RESULTS

WIDTH: 1.9 Ft. AREA: 0.125 Sq. Ft. VEL.: 0.149 Ft./sec. DISCHARGE: 0.019 cfs

MEASUREMENT DATA

CROSS SECTION:

FLOW CONDITIONS:

VELOCITIES UPSTREAM:

MARKS:

SYSTEM DIAGRAM

MEASUREMENT

APR 25 1998

44N R2W

**ANALYSIS SHEET  
FOR  
PROOF OF BENEFICIAL USE**

Permit No. 92-07206 Reviewed by [Signature] Date 1-27-95

**GENERAL CONSIDERATIONS**

**TYPES OF USE**

yes Name same as permit?  
no Address same as permit?  
yes Proof timely received? Correct Uses? \_\_\_\_\_  
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?  
100.00 Amount Submitted  
yes Correct?  
no Required?  
\_\_\_\_\_ Installed?  
\_\_\_\_\_ Waiver requested?

**PRIORITY CALCULATION**

|                     |       |          |       |       |
|---------------------|-------|----------|-------|-------|
| Date proof received | _____ | <u>/</u> | _____ |       |
| Date proof due      | _____ |          | _____ |       |
| No. of days late    | _____ |          | =     | _____ |
| Priority Date       | _____ |          | +     | _____ |
| New Priority Date   | _____ |          |       | _____ |

**DEFICIENCIES OR ACTION ITEMS**

Proof acceptable

**DATA ENTRY**

New Address P.O. Box 25 - W. Fork Santa Cr. Rd. Tensed, Id. 83870 Proof Made 1-25-95



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

R. KEITH HIGGINSON  
DIRECTOR

January 27, 1995

MICHAEL J. NEEDHAM  
P O BOX 25  
W FORK SANTA CREEK RD  
TENSED ID 83870

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 92-07206

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the NORTHERN Regional Office in Coeur d'Alene, at (208) 769-1450.

Sincerely,

JULIE L. YARBROUGH  
Senior Secretary

c: IDWR - Region

MAR 30 1995



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

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

CECIL D. ANDRUS  
GOVERNOR

R. KEITH HIGGINSON  
DIRECTOR

March 21, 1994

MICHAEL J NEEDHAM  
PO BOX 44  
SANTA ID 838660044

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 92-07206

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.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed.

The Department will send you a "Proof Due Notice" approximately 60 days prior to the above referenced date requesting you to file either a Proof of Beneficial Use form or a Request for Extension of Time form.

Please be advised that water quality is subject to regulations of the Idaho Department of Health and Welfare. We suggest that you check with them before starting construction.

Sincerely,

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

JIM JOHNSON  
Water Rights Supervisor

JJ:dc

Enclosures

A faint, circular official stamp, likely from the Idaho Department of Water Resources, located in the bottom right area of the letter.

APR 21 1994

APPLICATION FOR PERMIT  
STATE OFFICE REVIEW  
by Cindy Zimmerman

Application #: 92-7206 Name: Needham Date: 3/16/94

AREA OF CONCERN? - No/Yes \_\_\_\_\_ Mor \_\_\_\_\_ GWMA Trust/Non-trust

SYSTEM COMPLETED:

No - 26A-~~P17~~

Complete in 1 year - P16

Yes

Proof not submitted - P16

Proof submitted - NA

GROUNDWATER:

+ 0.2 cfs <flo-ch> - T17 (new), 01K (existing), No MD

- 0.2 cfs - No MD <flow chart>

Drilling Permit:

Included w/permit - Permit No. \_\_\_\_\_, P99

Existing well - NA (pre 7/1/87)

No WD permit? - 046-46A(Irr)-46B-P23 (post 7/1/87)

SURFACE WATER: not in WD - ~~P17~~ (+.2 w/pump), No MD <flow chart>

LOCATION:

Water District(dem) - WD No. \_\_\_\_\_

\*Surface water - 005 (req) 01J-P08 <flow chart>  
(doesn't sink) or 01H-P01 <flow chart>; No MD

Groundwater - P05 (new irrigation well)

In stream channel - 030 (stream channel alteration)

Irr Dist/Canal Co. - 023 (Twin Falls area)

Drainage Districts - 024

Flood Control Dist. - 063

Boise Front (63) - 058 (-85° Groundwater temp)

Swan Falls Flag - B <See condition code chart>

Trust - 051-052-053-P74 (Consumptive Uses), NA

Non Trust <1> - 048-049 (Consumptive Uses), NA

RIVER BASINS (\*Surface water):

Boise R(63) - 05A (if WD), 11E (non-domestic use), NA

Payette R(65) - 064(consump. use), 047-P04(Payette Lake), NA

SNAKE R(01/02/03) - 11A-P04 (01), 061-P07 (02/03 No W.D.Cond.), NA

USE:

Fish Propagation - 07A-042 (req) & 010/06A/09E(WQ) ~~(P10)~~  
044 (N 1000 Spr)

Irrigation - 803(if GW use SW 1st)(+5A do POU comp), NA

Power - 08A-17K-025-027(req); 01F(MD)-P19; 09E(WQ)-P10;  
+25 cfs-P18; 17G(FERC) or 17M(FERE); 18B-P09

Mining - 054 (req) & 06A/010/09E-P10

Storage(✓ 3 compo.) - 18A(multi MD in WD), 18B-P09 (+10' dam), NA

Domestic (surface) - 021(Boise R + L Peak), 27A(Payette R), NA

OWNERSHIP:

Non land owner - 004 (PD/PU) \_\_\_\_\_

PROTESTED:

Prehearing agreement- 020

OTHER CONDITIONS:

REMARKS:

02 PD's in SESW, 53S, T44N, R03W

BENEFICIAL USE DUE:

4-1-1999

COMMENTS:

01 Qw Desc.

No. a  
4/87-06/92n

U.S. DEPARTMENT OF WATER RESOURCE  
APPROPRIATION APPLICATION ANALYSIS SHEET

**RECEIVED**  
MAR 11 1994

APPLICATION # \_\_\_\_\_

\*\*\*\*\* INITIAL REVIEW \*\*\*\*\* Department of Water Resources \*\*\*\*\*

APPLICANT: NEEDHAM

BY: AB

DATE: 1/31/94

ITEM REQUIRED INFORMATION

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

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

ADDITIONAL INFORMATION

Yes No

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

PROCESSING

Yes No

PRIORITY DATE: 1/27/94

☒ (Include Moratorium Remark)

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

ADVERTISE IN: BENEWAH 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: \_\_\_\_\_

- ☒ Groundwater management area
- ☐ Critical ground water area
- ☒ Well Drilling Permit required
- ☒ Well Drilling Application and Fees received
- ☒ Well Drilling Application approved?
- Well Drilling Application Number \_\_\_\_\_

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

(Yes) (No)

- ☐ Notice of pending void order issued. Final order response date: \_\_\_\_/\_\_\_\_/\_\_\_\_
- ☐ Further information required from applicant
- ☒ Affidavit of publication received
- ☒ Application published correctly, If not, record action taken: \_\_\_\_\_
- ☒ Publication dates and paper recorded on application | Sr. Agent initial AB
- ☒ Protests received. Final protest date: 3/7/94
- ☐ Measuring device required
- ☐ Measuring port required
- ☐ Special conditions: \_\_\_\_\_
- ☐ Special conditions of approval supplement and/or cover letter attached: \_\_\_\_\_

Approval Recommended by: AB RYAA

Date: 2/28/94

\_\_\_\_\_

NEEDHAM, MICHAEL J  
PO BOX 44  
SANTA, ID 838660044

Tributary: SANTA CREEK

**Diversion Pt:**                SESW        Sec 35 T 44N R 03W in BENEWAH County.

```

Use: FISH PROP. STORAGE ( 15.00 AF)
      DIVERSION TO STORAGE ( .960 CFS)
      Total Diversion: ( .960 CFS)

```

Date Filed: 1/27/1994

In: BENEWAH County  
T44N R03W S35                      SESW

APR 21 1984

**Affidavit of Publication**

STATE OF IDAHO

County of Benewah, ss.

Cynthia Ann Hammes, being first duly sworn on oath, deposes and says that she is vice president of The Corporation, owner of the St. Maries Gazette Record, a weekly newspaper printed and published at St. Maries, Benewah County, State of Idaho; the St. Maries Gazette Record is a newspaper having general circulation in Benewah County, State of Idaho, and has been continuously and uninterruptedly published in Benewah County, State of Idaho, during a period of more than seventy-eight consecutive weeks prior to the first publication of the notice of advertisement hereon.

That the notice, of which the one hereto attached is a true copy, was published in said newspaper for a period of 2 issues, the first publication being on the 16<sup>th</sup> day of February, 1994 and the last on the 23<sup>rd</sup> day of February, 1994.

That said newspaper was regularly distributed to its subscribers during the time of the same period; that said notice was published in the regular and entire issue of said paper.

Dated this 23<sup>rd</sup> day of Feb., 1994  
Cynthia Ann Hammes

STATE OF IDAHO  
COUNTY OF BENEWAH }

On this 23<sup>rd</sup> day of Feb. in the year of 1994, before me, a Notary Public, personally appeared Cynthia Ann Hammes, 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 she executed the same.

Sharon D. Blackburn  
Notary Public for Idaho  
Residing at St. Maries, ID  
My commission expires: Nov. 9, 1998

**Notice of application  
for water right is filed**

**NOTICE OF APPLICATION  
FOR WATER RIGHT**

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:  
92-07206

Needham, Michael J.

P.O. Box 44

Santa, ID 83866-0044

Source: Unnamed Streams

Tributary: Santa Creek

Diversion Pt: SESW Sec 35 T 44N R

03W in Benewah County.

Use: Fish Prop. Storage (15.00 AF);

Diversion to Storage (.960 CFS);

Total Diversion: (.960 CFS)

Date Filed: 1/27/1994

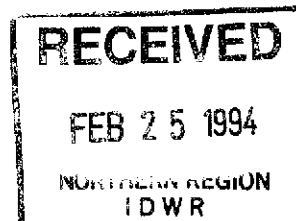
In: Benewah County, T44N R03W  
S35 SESW

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 on or before March 7, 1994.

R. KEITH HIGGINSON,  
Director

No. 2313 --- Feb. 16-23.



APR 5 1994



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

CECIL D. ANDRUS

Governor

February 11, 1994

R. KEITH HIGGINSON

Director

Mr. Michael J. Needham  
P.O. Box 44  
Santa, Id. 83866-0044

Re: Water Appropriation Application No. 92-7206.

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. To assist us in providing you with prompt, accurate service, please refer to the above referenced number in all future matters concerning this water right application.

Your appropriation application is currently being prepared for advertising in the county newspaper. This advertisement will be published for two consecutive weeks followed by a waiting period of ten days to allow for the submittal of protests. Normal processing time is approximately 3 to 4 months, if the application is not protested.

If the application is not protested, it will be forwarded to Boise to be considered for approval by the Director. However, if the application is protested during this waiting period, you will be sent a copy of the protest and instructions to aid you in resolving the protest without a hearing. However all protests must be resolved before approval of the application can be made, so if the protestant does not voluntarily withdraw the protest, this department will conduct a conference and/or hearing on the matter.

If your application is for groundwater and unless you are using a well that was constructed prior to July 1, 1987, it will be necessary for you to apply for a well drilling permit upon approval of the appropriation application. Well drilling permits can be issued by this office only to holders of approved appropriation permits.

If you have any questions or if I can be of any assistance please feel free to contact me at this office.

Sincerely,

ALLEN BEARDSLEE  
Senior Water Resources Agent

AB/pms

RECORDED

APR 21 1994