



10
OF WATER RESOURCES

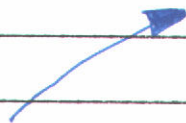
PERMIT # 95-7983

INITIALS

Point of
Diversion



Place of
Use



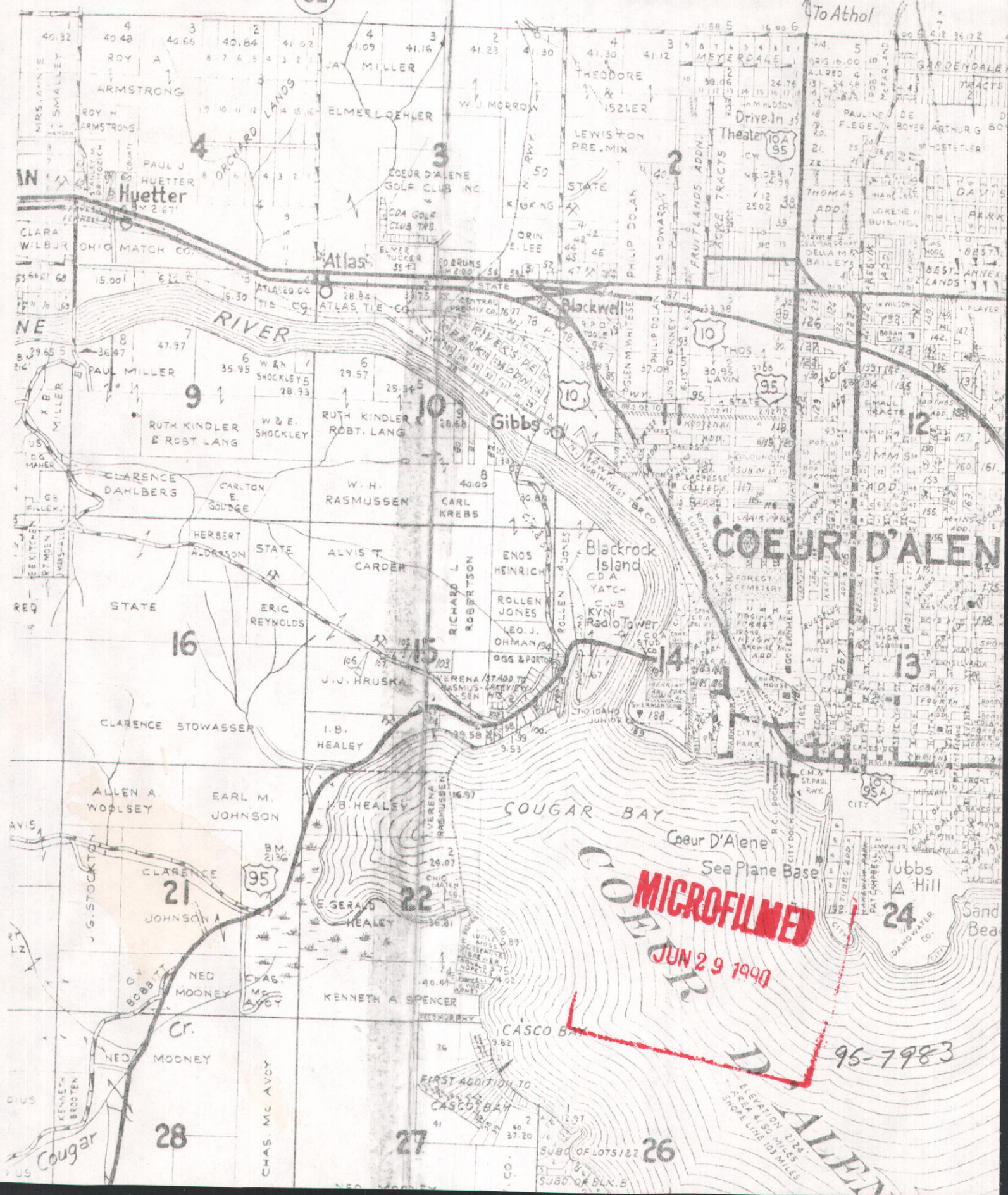
MICROFILMED

JUN 29 1990



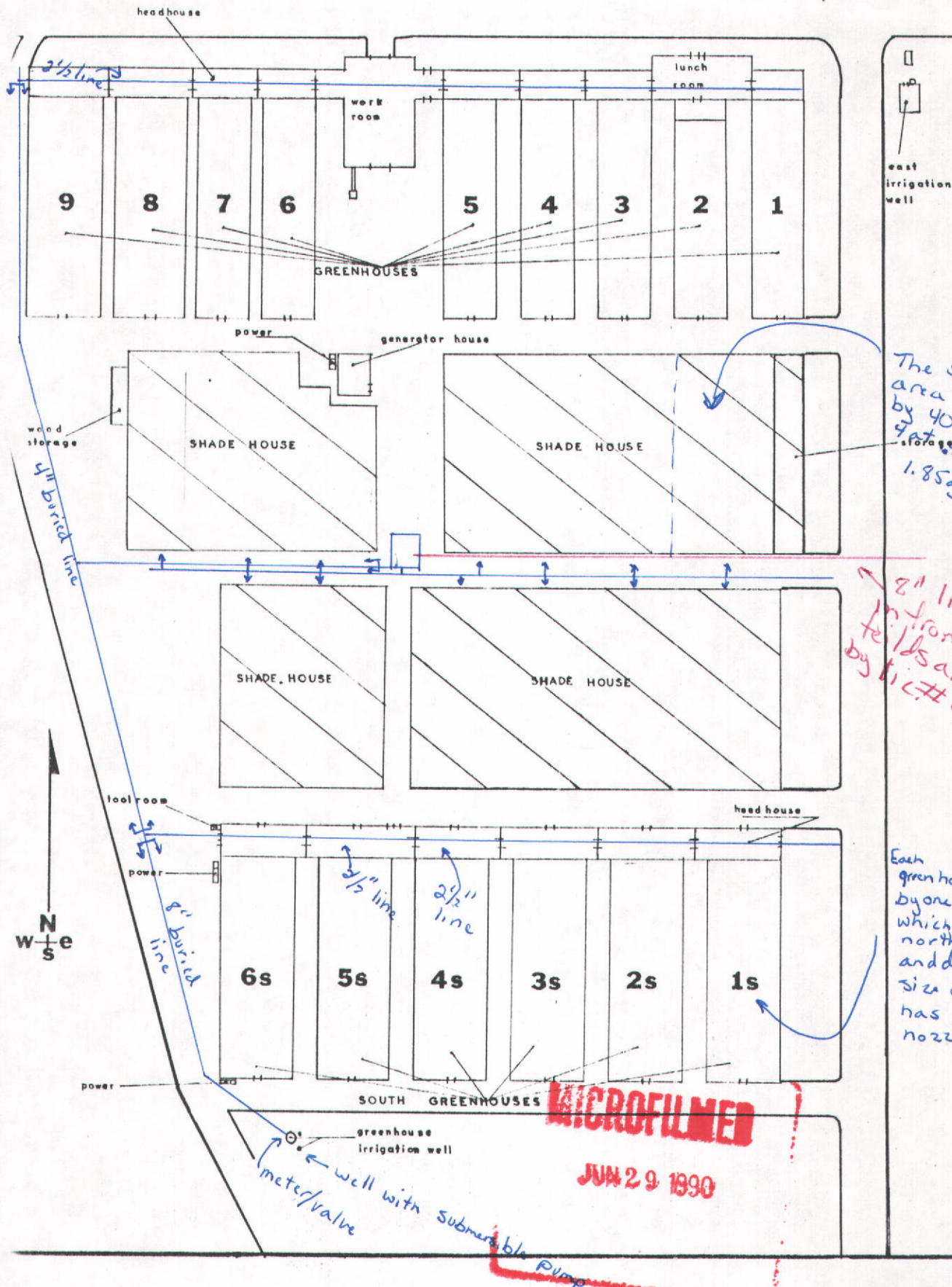
KOOTENAI COUNTY, IDAHO

↑ To Athol



TWP. 50 N., RGE. 4W SEC. 3 MAP # F- PERMIT # 95-7983
DATE OF EXAM _____

GREENHOUSE COMPLEX



State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 95-07983

Priority: October 22, 1979

Maximum Diversion Rate:
Maximum Diversion Volume:¹

0.51 CFS
26.3 AF

This is to certify, that U.S. DEPT. OF AGRICULTURE
FOREST SERVICE
FEDERAL BLDG.
P.O. BOX 7669
MISSOULA, MT 598070000

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated October 22, 1979; and
has submitted Proof of Beneficial Use on August 4, 1982. An examination indicates
that the works have a diversion capacity of .610 cfs of water from a **GROUNDWATER**
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>
COMMERCIAL	01/01 to 12/31	0.51 CFS	26.3 AF

LOCATION OF POINT(S) OF DIVERSION:

NWNW , Sec. 3, Township 50N, Range 04W
KOOTENAI County

PLACE OF USE: COMMERCIAL

TWN RGE SEC

50N 04W 3 NWNW

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Commercial use is for greenhouses.

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JUN 29 1990

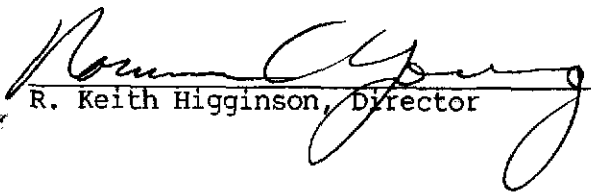
State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 95-07983

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 14TH
day of JUNE, 1990.

Acting for


R. Keith Higginson, Director

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JUN 29 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant U.S. Forest Soc. Phone _____

Post office address 3600 Nursery Rd. Coeur d'Alene, Id

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point of diversion is NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 3 Township 50N

Range 4W B.M. Kootenai County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Commercial*
Amount 0.67 for irrigation 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)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 0.67 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Well pump & sprinkling system
in greenhouse complex

b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

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 - maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 5 Township 50N
Range 4W* B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____.

(5) If water is to be used for other purposes describe: commercial use for greenhouse purposes*

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[illegible]

5

Figure 1. (a) Schematic diagram of the experimental setup. (b) Schematic diagram of the experimental setup.

Application

Applicant

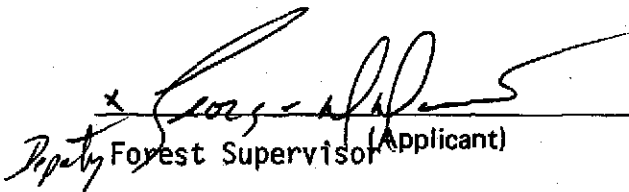
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the

Remarks
Trees can only be watered during morning due to disease

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

Scale: 2 inches equal 1 mile.

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



George A. [unclear]
Forest Supervisor (Applicant)

Proposed Priority 10/22/79

Received by AK Date 10-22-79 time 3:30

Preliminary check by AK Fee \$ 35.00

Received by AK Date (15093) 10-22-79

Publication prepared by AK Date 10/25/79

Published in Conservation News

Publication dates 11/2-11/8/79

Publication approved AK Date 11/14/79

Protests filed by: AK

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by AK

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State

of Idaho No. 95-7983, and said application is hereby approved

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

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or be-

fore January 1, 19 85.

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

d. Other: (1) An access port or other device as specified by the Department shall

be installed by the permit holder to provide for the installation of measuring

equipment and the determination of the rate of diversion by the Department.

Witness my hand this 29th day of

January

, 19 80.

Chief, Operations Bureau

D. Allen Taylor

AFFIDAVIT OF PUBLICATION

NOTICE OF APPLICATION FOR WATER RIGHT

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

95-7983

UNITED STATES FOREST SERVICE

3600 NURSERY RD., COEUR D'ALENE, ID 83814

Source: GROUNDWATER

Date Filed: 10/22/1979

Amount: 0.67 CFS

Diversion Point: NWNW Sec 03 T

50N R 04W, KOOTENAI Co.

Use: IRRIGATION (0.67 CFS)

from 01/01 to 12/31

Place of Use: NWNW Sec 03 T

50N R 04W FOR 5 ACRES

Diversion Means: WELL, PUMP & SPRINKLERS

95-7984

EDMUNDS, E.A.

STAR RT. KIDD ISLAND BAY,

COEUR D'ALENE, ID 83814

Source: GROUNDWATER

Date Filed: 10/22/1979

Amount: 0.04 CFS

Diversion Point: SESE Sec 23 T

50N R 05W, KOOTENAI Co.

Use: DOMESTIC (0.04 CFS) from:

01/01 to 12/31

Place of Use: SESE Sec 23 T 50N

R 05W

Diversion Means: WELL, PUMP & PIPE

96-7834

HOHMAN, CLIFF

311 MONTGOMERY, POST

FALLS, ID 83814

Source: SPIRIT LAKE

Date Filed: 10/18/1979

Amount: 0.12 CFS

Diversion Point: LOT 02 Sec 08 T

53N R 04W, KOOTENAI Co.

Use: DOMESTIC (0.12 CFS) from

01/01 to 12/31

Place of Use: LOT 02 Sec 08 T 53N

R 04W

Diversion Means: PUMP & PIPE

If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 4055 Gov't Way, Coeur d'Alene, Id, 83814 on or before NOVEMBER 19, 1979.

C. STEPHEN ALLRED

Director

Legal 332

Nov. 1, 8, 1979

STATE OF IDAHO,
County of Kootenai,

ss.

upon oath deposes and says:

1. I am now and at all times hereinafter mentioned was a citizen of the United States, resident of the State of Idaho, over the age of twenty-one years and not a party of the above entitled action.

2. I am now and at all times hereinafter mentioned was the printer (principal clerk) of the "Coeur d'Alene Press," a newspaper printed and published daily except Sunday in Coeur d'Alene, Kootenai County, Idaho, and having a general circulation in said county.

3. The

of which the annexed is a printed copy, was published in the regular issue of said newspaper for consecutive issue commencing on the 8th day of June, 1979, and ending on the 8th day of June, 1979, and such publication was made as often during said period as said newspaper was regularly issued.

4. That said newspaper has been continuously and uninterruptedly published in said Kootenai County, during a period of more than seventy-eight consecutive weeks immediately prior to the first publication of said notice.

Subscribed and sworn to before me this

1979

Notary Public for the State of Idaho,
residing at Coeur d'Alene, Idaho.

LEADER

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June 15, 1990

U.S. DEPT. OF AGRICULTURE
FOREST SERVICE
FEDERAL BLDG.
P.O. BOX 7669
MISSOULA, MT 598070000

RE: PERMIT NO. 95-07983

Dear Permit Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

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JUN 29 1990

May 21, 1990

U.S. DEPT. OF AGRICULTURE
FOREST SERVICE
FEDERAL BLDG.
P.O. BOX 7669
MISSOULA, MT 598070000

RE: PERMIT NO. 95-07983

Dear Permit Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

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JUN 29 1990

INTER-DEPARTMENT MEMO — 1

FROM *Tim*

DATE *3-9-80*

TO *ROXANNE*

SUBJECT *95-7983*

I would recommend licensing as recommended by examiners except that the use should remain as commercial, not irrigation.

If we show irrigation as use, we must show # of acres. Irrig volume for # acres shown in exam would be far less than volume & rate found by examiners and ultimately recommended by examiners. The rather high rate & volume applied to small house use is not typical of irrigation use's.

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JUN 29 1980

Tim

SIGNATURE

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

RECEIVED
JUN 26 1989

Department of Water Resources

PERMIT 95-7983

Yes No
(☒) () B/U Acknowledgement Letter Sent 1982 - JK (INITIAL & DATE)
() (☒) Aerial Photo Date Requested _____ by _____
(☒) () Quad Sheet
(☒) () GL Plat
() () Copies of overlapping License Field Report
(☒) () Photo PD/PU
() () Correspondence (Date) _____
() () Other (List) GREENHOUSE COMPLEX PLANS / NOTES ON FIRST EXAM
WELL LOG

EXAM COMPLETED BY Zain Submantri DATE 8-88
SR AGENT REVIEW JK DATE 8/98
REGIONAL MANAGER REVIEW PWK DATE 6/89
ENTERED ON COMPUTER BY M DATE 6/16/89
PRELIMINARY OVERLAP REVIEW BY JK King DATE 1-88
(☒) NO OVERLAP FOUND

4-22-83 USFS NOT HAPPY W/ MEASUREMENT RE-DO - JK
11-7-84 765-7375 JOE MEYERS HORTICULTURIST BAD TIME
HARVEST - JK
5-29-87 J.F. CALLED CLEVE CHATERTON ~ EXAM @ 11:30
6-1-87 RE-DO ~ TOTAL SYSTEM NOT ON LINE CLEVE TO
CALL BACK
1-27-88 765-7375 - CLEVE CHATERTON ~ KEN & KEN EGGELESTON
1-29-88 - 765-7389 - KENT EGGELESTON WILL CONTACT ME WITH PIPING LAYOUT
AND WILL CALL MID JUNE FOR FIELD MEASUREMENT.

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JUN 29 1990

95-7983

3
↓
[scribbles]

10
OF WATER RESOURCES

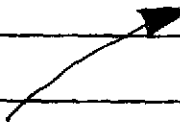
PERMIT # 95-7983

INITIALS

Point of
Diversion



Place of
Use



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2- 3'0 ft houses

2 - 30 ft shade houses

3 - 22 Feb houses

30 ft house - 14

46 Nozzles @ 1 gpm

$$\text{Flow} = 46 \text{ gpm} = .1092 \text{ cfs}$$

22 ft house ---

30 No Zeels @ 1 gpm

$$\text{Flow} = 30 \text{ gpm} = .0668 \text{ cfs}$$

Shade house $\rightarrow$ # of Nozzles varies

$$\text{rate} = 1.73 \text{ gpm}$$

For 25 Nozzels

$$\text{Flow} = 43.25 \text{ gpm} = .0964 \text{ cfs}$$

Q = Total Rate = 2(.1092) + 3(.0668) + 2(.0964)

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Total Area Irr :

1) During exam the Area of irr. was said to be as follows

$$\begin{array}{l} \text{Green-houses} \left\{ \begin{array}{l} 8 - 22 \times 100 = 17,600 \\ 7 - 30 \times 100 = 21,000 \end{array} \right. \rightarrow \text{Sum} = 38,600 \text{ ft}^2 \end{array}$$

and Shade houses of equivalent Area

$$\text{Total Area} = 2(38,600) = 77,200 \text{ ft}^2 = 1.77 \text{ ac.}$$

2) From Map :

Same for 30 ft & 22 ft green houses

Shade houses ;

$$\begin{aligned} (90 \times 70) + (90 \times 100) + (90 \times 140) + (90 \times 150) \\ = 41,400 \end{aligned}$$

$$\begin{aligned} \text{Total A.} &= 38,600 + 41,400 = 80,000 \\ &= 1.84 \text{ ac.} \end{aligned}$$

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5/7/84
 60 129
 80 316
 90 3101
 100 _____
 110 _____
 120 _____

GH- 443 + 54
 105

2.0 0:22
 3.0 0:45
 4.0 1:09
 5.0 1:31
 6.0 1:55
 7.0 2:18
 8.0 2:41
 9.0 3:05
 10.0 3:28
 11.0 3:52
 12.0 4:15
 13.0 4:38
 14.0 5:02
 15.0 5:25
 16.0 5:48

120P
 232
 144f
 325

210

2.5

14

525

COPY OF NOTES
 ORIG. EXAM
 4/22/83

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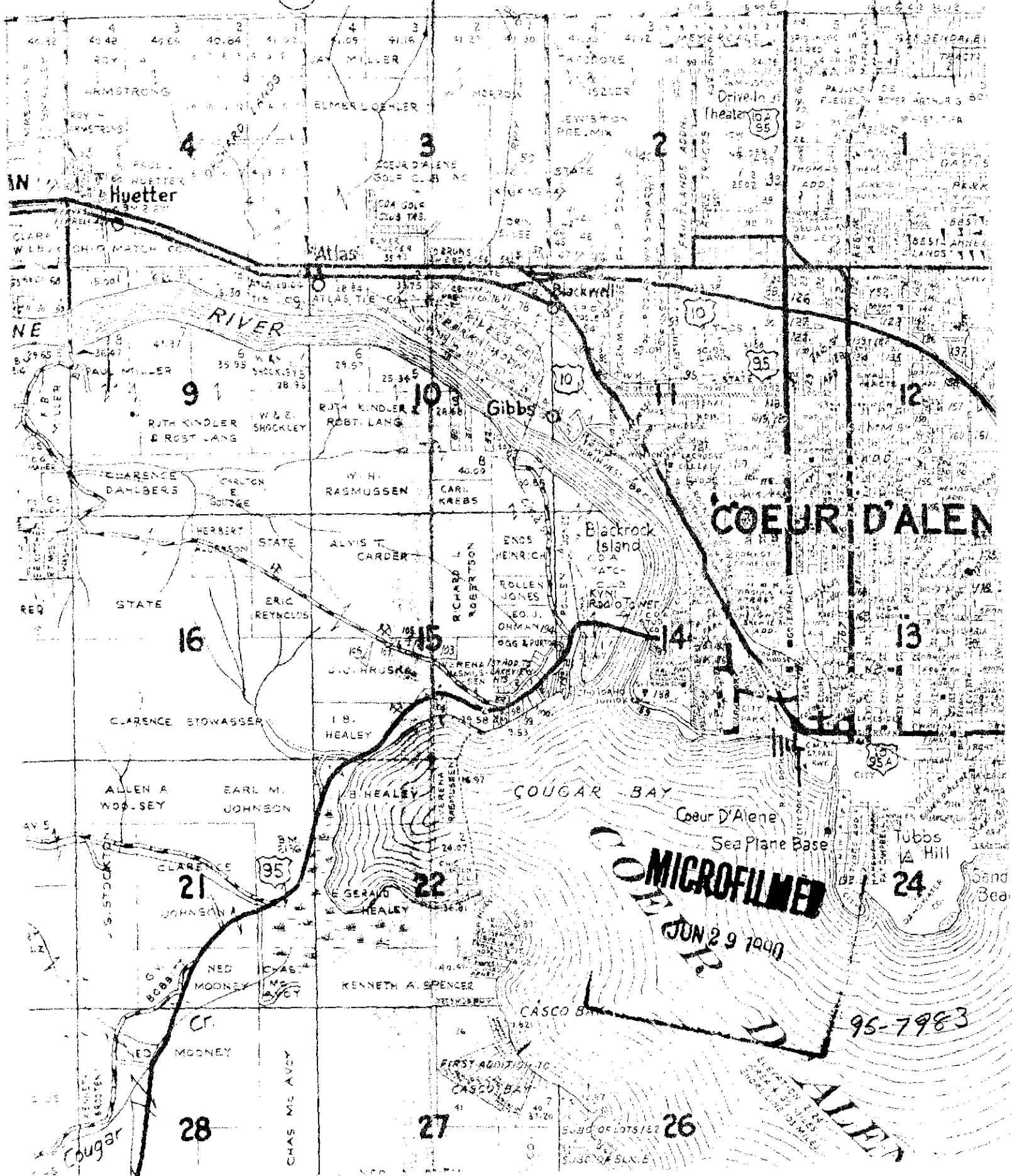
JUN 29 1990

TOWNSHIP 50 N., RANGE 4 W. B. M.

KOOTENAI COUNTY, IDAHO

32

To Athol



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

95-7983
Permit No. 95-7983
Phone No. 765-7389
EXAM. DATE: 8/15/88
Phone No. _____

1. Owner: U.S. Forest Service
Current Address: 3600 Nursery Rd., Coeur d'Alene, Id 83814 TK

2. Accompanied by: _____

Address: _____

Relationship to Permit Holder: _____

3. Source: ground water tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: SEE IT

☐ Copies Attached

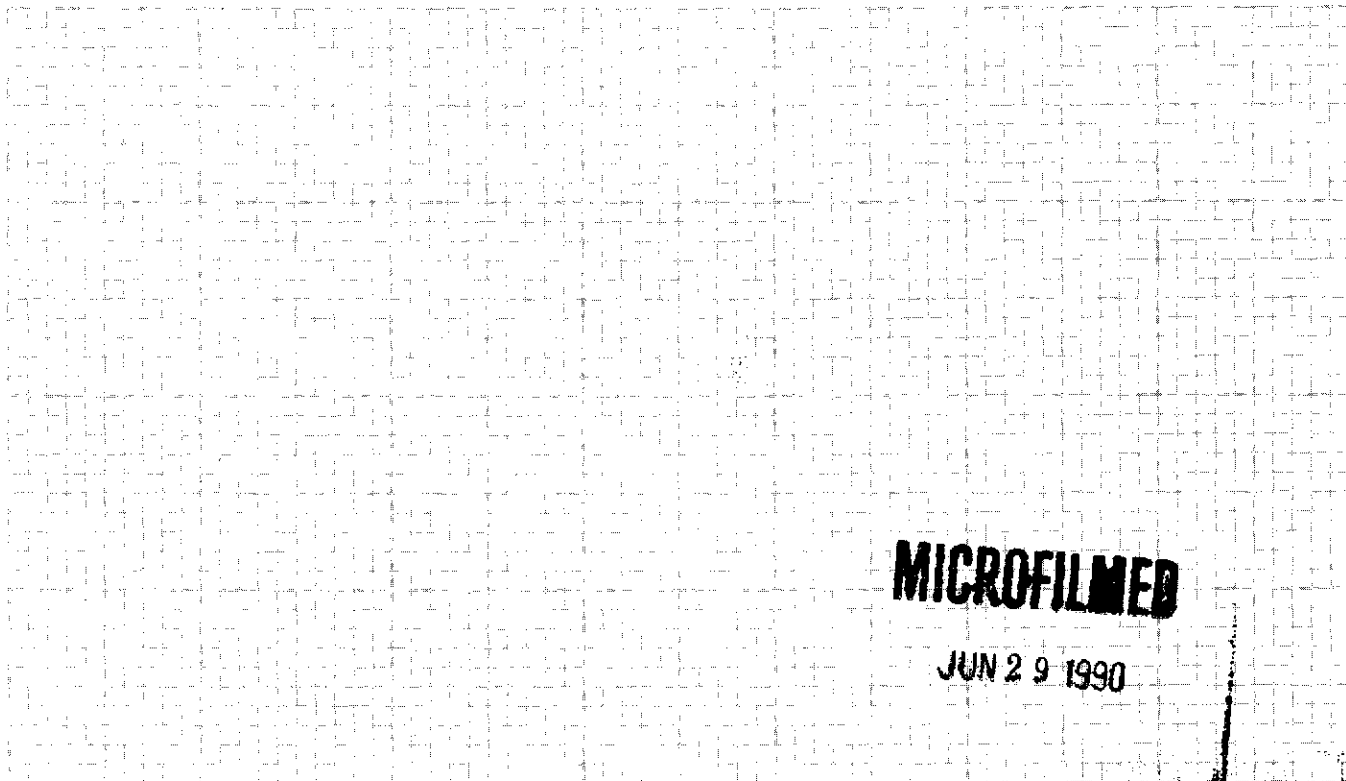
2. Other water rights with same point of diversion: SEE IT

☐ Copies Attached

☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

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



Scale: 1" = _____

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

☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater.

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

JUN 26 1989

Department of Water Resources

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

A 3/0" WELL WITH SUBMERSIBLE PUMP WITH BURIED LINE LEADING TO A DISPENSING CENTER WHICH INJECTS FERTILIZER AND THEN FEEDS THE SHADE HOUSE AREA AND THE GREEN HOUSES. THE GREEN HOUSES ARE WATERED BY NOZZLES ON A ROLLING ROOM THAT MOVES FROM NORTH TO SOUTH ON A TRACK. THE SHADE HOUSE AREA IS WATERED IN SECTIONS (13 IN ALL). EACH SECTION HAS 40 NOZZLES (4 AT 93 GPM AND 36 AT 185 GPM) AND HAS AN ITS OWN VALVE AS DO EACH OF THE GREEN HOUSES.

☐ See Remarks on page 4 for continuation

Well or Division Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Submersible	40			

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

4. Point(s) of Division:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NW	NW	3	SON	YW	Kootenai	MAP

5. Place(s) of Use:

Indicate Method of Determination MAP

Twp.	Rge.	Sec.	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	NE 1/4	NW 1/4	SE 1/4	Totals
SON	YW	3																2

Do not use this space

D. FLOW MEASUREMENTS

☒ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
STOP WATCH		SEIKO				
5 Gallon Bucket						

2. Measurements:



E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method: 5 gallon bucket and stop watch

2. Alternate Method for Checking Purposes: $Q = .51 \text{ cfs}$

F. PUMP EFFICIENCY DATA (Optional)

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

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

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

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

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

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

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

G. VOLUME CALCULATIONS

commercial .51 cfs $\left(\frac{1.98 \text{ ft}}{\text{day}}\right) \left(\frac{156 \text{ days}}{\text{yr}}\right) \left(\frac{1 \text{ day}}{24 \text{ hrs}}\right) \left(\frac{4 \text{ hr}}{\text{day}}\right) = 26.3 \text{ afa}$

1. Volume Calculations for Irrigation:

Ran 156 days out of the year

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

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \text{SEE ABOVE } 26.3 \text{ afa}$

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

2. Volume Calculations for Other Uses:

NONE

H. REMARKS AND OVERLAP REVIEW ANALYSIS

There is an eight inch line coming into the green house complex from some other part of the nursery for backup purposes but can't find reference to this connection in any of the nursery's other licenses. That is #'s

95-2134

95-2142

95-2063

After further investigation it seems that this eight inch line comes from the system lic. # 95-2134.

I. RECOMMENDATIONS

1. Recommended Amounts

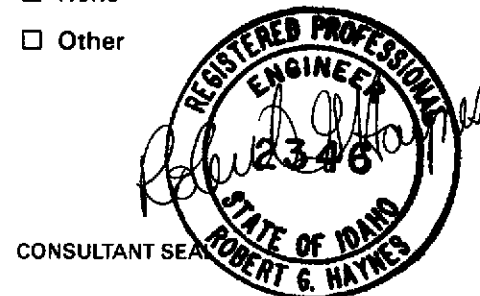
Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	1/1	12/31	.51 cfs	26.3 afa
Totals:			.51 cfs	26.3 afa

2. Recommended Amendments

- | | | |
|---|--|--------------------------------|
| ☐ Change P.D. as reflected above | ☐ Add P.D. as reflected above | ☐ None |
| ☐ Change P.U. as reflected above | ☐ Add P.U. as reflected above | ☐ Other |

J. AUTHENTICATION

Field Examiner's Name Louis Sukovaty
Signature [Signature]
Certification Date 5/15/89
Field Report Preparation Date 8/15/88

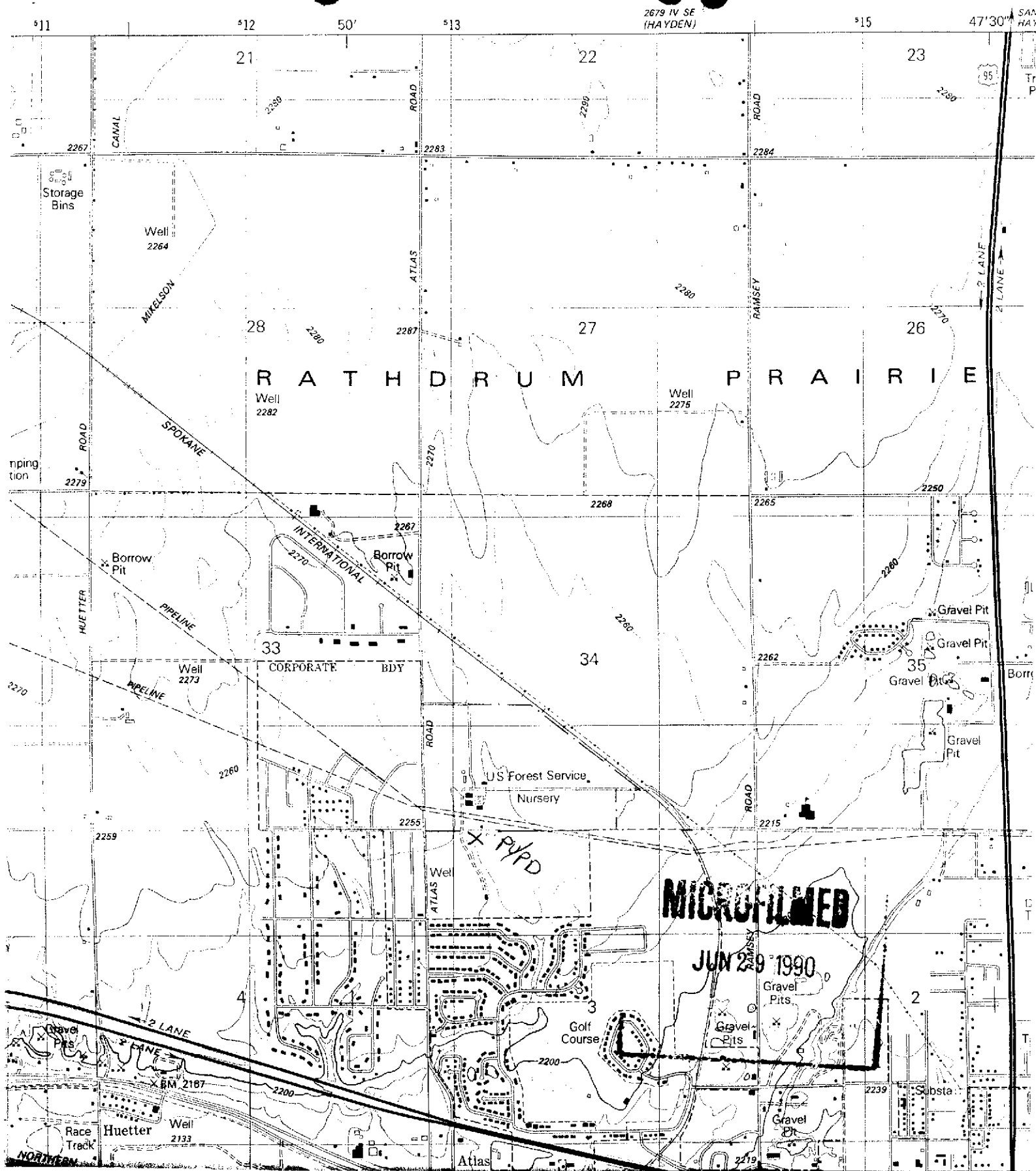


K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

JOM 7/13/89

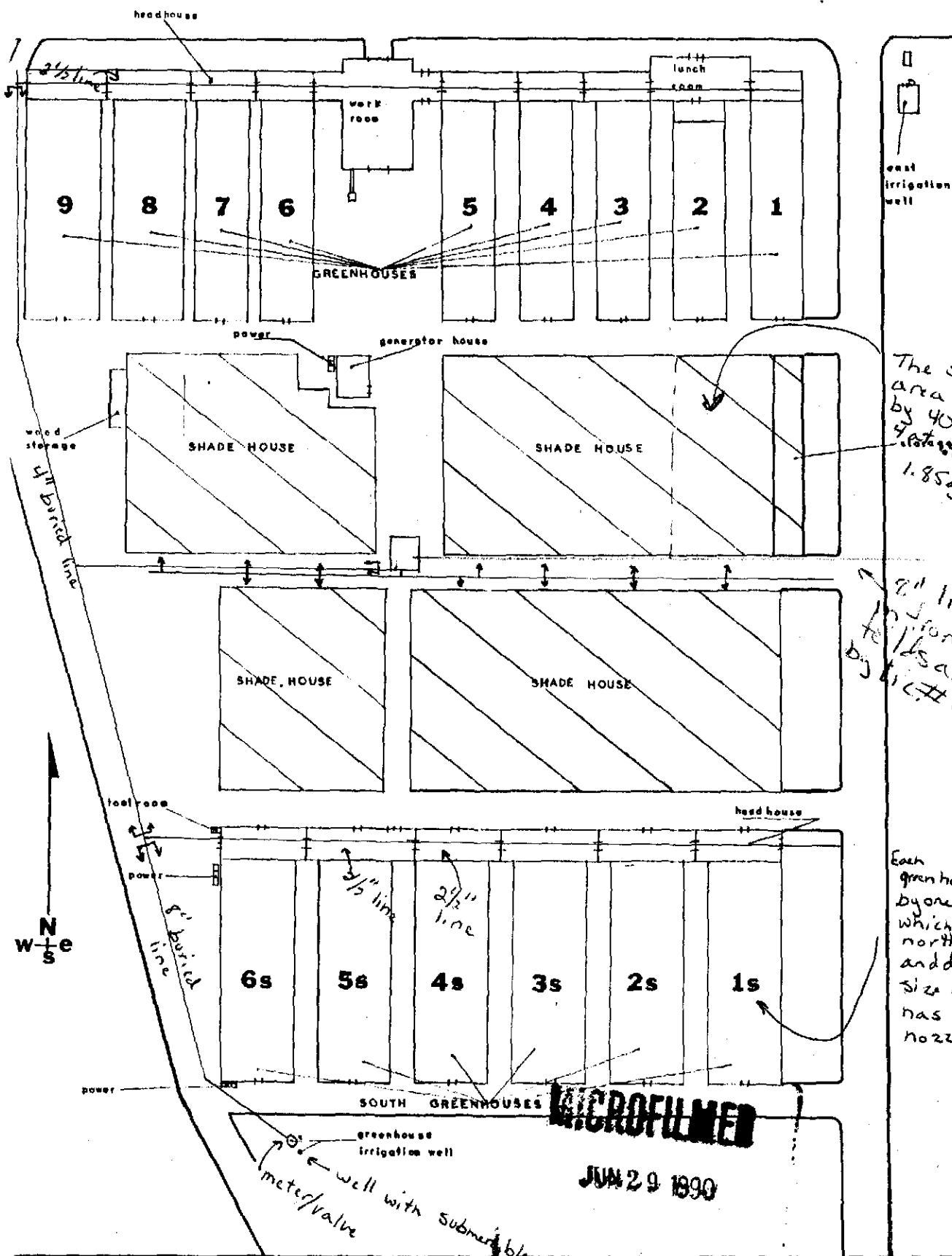


ERIOR



TWP. 50 N., RGE. 4W SEC. 3 MAP # F PERMIT # 95-7983
DATE OF EXAM _____

GREENHOUSE COMPLEX



The shade house area is watered by 40 nozzles total 40 x 1.85 gpm = 74 gpm.

8" line coming from surrounding fields and well covered by #95-2134

Each greenhouse is watered by one moving boom which moves in the north south direction and depending on size of house has 20 to 46 nozzles

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greenhouse irrigation well
meter/valve

Normal watering load

3 - 22ft greenhouses

2 - 30 ft greenhouses

2 - shade houses

Water requirements for:

22 ft greenhouse

30 nozzels @ $\frac{1}{2}$ gpm

so total flow of 15 gal/min

30 ft greenhouse

46 nozzels @ $\frac{1}{2}$ gpm

so total flow of 23 gal/min

shade house

36 nozzels @ 1.85 gpm

4 nozzels @ .93 gpm

so total flow = 66.6 gpm
 $+ 3.72 \text{ gpm}$
70.3 gpm

So total flow of system = ;

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$(3 \times 15 \text{ gpm})$

$+ (2 \times 23 \text{ gpm})$

$+ (2 \times 70.3 \text{ gpm})$

$= 231.6 \text{ gpm}$

or .51 cfs

this does not correlate
with the value read on
their meter which was

10 cfs in 24.4 seconds

$= .41 \text{ cfs}$

Due to the fact that the two did not correlate the exact flow of the nozzles were checked with a 5 gal bucket and stop watch.

The results were:

green house nozzels: .5 gpm

shadehouse nozzels: 1.85 gpm

and .93 gpm

so it was come to the conclusion that thier meter was not accurate.

This measurement varies from that taken last year because the nozzels in the shade house area have been changed and the value of the flow through the nozzels given by the owner was 1 gpm while the actual value was $\frac{1}{2}$ gpm.

Acreage calculation:

$$\text{green houses} - \begin{cases} 8 \times 22 \times 100 \\ 7 \times 30 \times 100 \end{cases} = 38,600 \text{ ft}^2$$

and shade houses of same area

$$\text{Total area} = 2(38,600 \text{ ft}^2) = 77,200 \text{ ft}^2 \\ = 1.77 \text{ ac.}$$

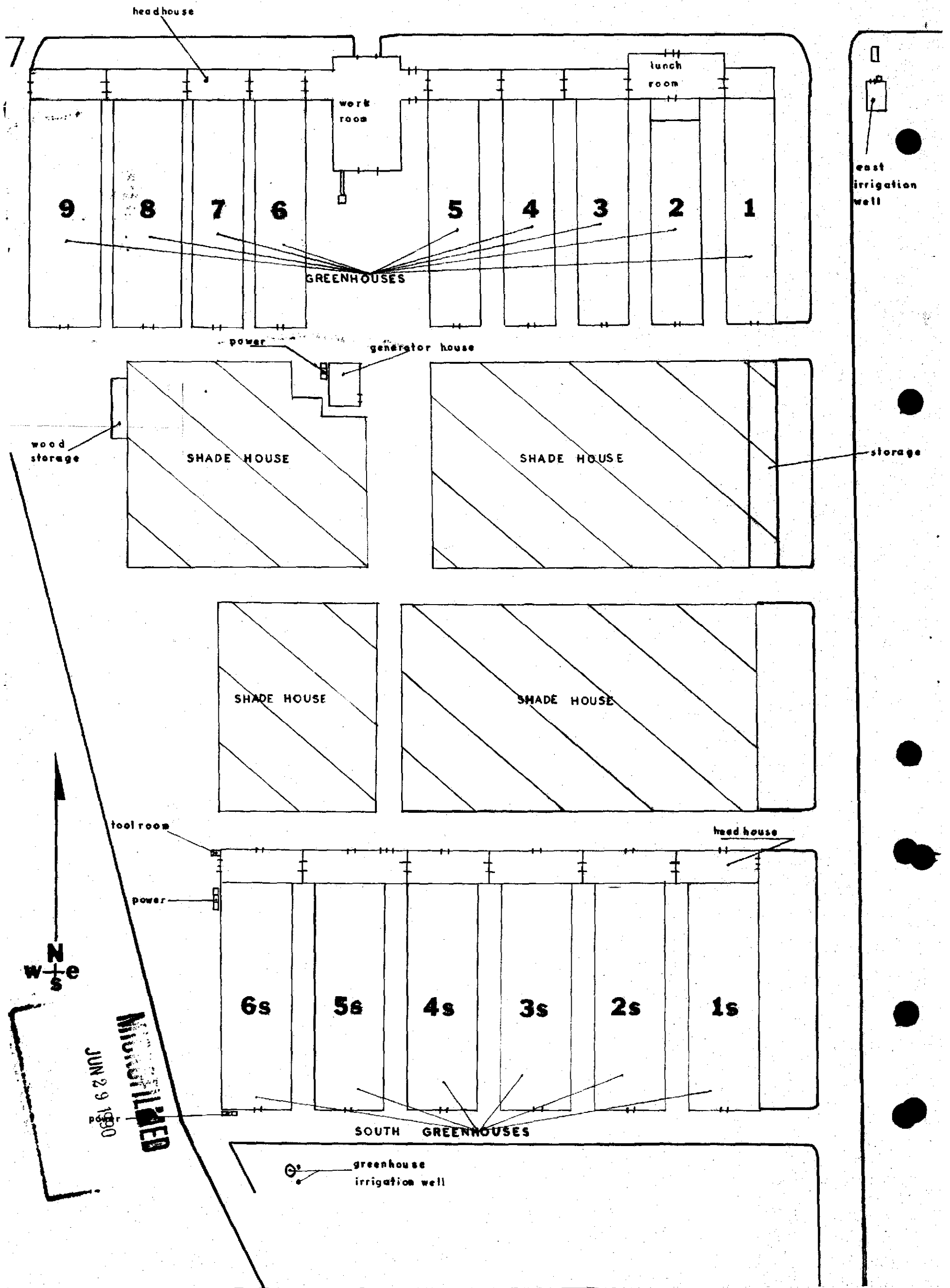
The area calculated from the map came out to be

$$38,600 \text{ ft}^2 + 41,400 \text{ ft}^2 = 80,000 \text{ ft}^2 \\ = 1.84 \text{ ac}$$

MICROFILMED

JUN 29 1990

GREENHOUSE COMPLEX



State of Idaho
Department of Water Resources
WELL INSPECTION FORM

This form should be completed by the examiner when conducting a field examination to determine the extent of beneficial use of water from a well or whenever a well is inspected for other reasons. The form should be forwarded to Groundwater Protection Section in the State Office upon completion.

1. Legal Description of well location. Twp. SON, Rge. SW,
Sec. 3, Qtr./Qtr. NW/NW or Lot _____
2. Owner V.S. D.A.
Address 3600 Nursery Rd., City C'da, State Id
3. Approx. date of well construction 1980
Well Driller ~~Holman Drilling Corp.~~ Bronson Water Well
4. Casing: Diameter 8" Condition good
5. Casing length above land surface 2'
6. Well depth (ft) 310 Flowing No Temp. _____
Access port Yes
7. Condition of piping and valving good
8. Evidence of well seal Yes
9. Shut in pressure or static water level 236
10. Evidence of leakage around the casing No
11. Does well need repair No
12. Comments NONE

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JUN 29 1990

(OVER)

JUN 26 1989

Provide a schematic diagram showing the location of the well in the quarter-quarter with respect to houses, roads, other wells or

headhouse

work room

lunch room

9 8 7 6 5 4 3 2 1

GREENHOUSES

power

generator house

SHADE HOUSE

SHADE HOUSE

SHADE HOUSE

SHADE HOUSE

storage

well

N
W S E

Date 7/6/88

JUN 29 1990

DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name U. S. Forest Service
Address 3600 Nurosy Rd. Cda. Id. 83814
Owner's Permit No. 95-7983

7. WATER LEVEL

Static water level 236 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality Good

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☒ Pump ☐ Bailor ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
350	300 ft.	4 hrs.
One foot of draw down		

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	1	surface soil		X
8	1	28	sand & gravel 1 1/2	X	
8	28	130	course gravel & sand	X	
8	130	134	sand, gravel, & boulders	X	
8	134	154	sand, gravel, & clay	X	
8	154	205	sand & pea gravel	X	
8	205	230	course sand & gravel	X	X
8	230	265	sand gravel & brown clay	X	
8	265	280	sand gravel & brown clay	X	
			(open hole)		
8	280	310	sand & pea gravel	X	
			(small amount of clay)		

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	8 inches	+ 2 feet	291 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☒ Yes ☐ No

Manufacturer's name Johnson

Type stainless steel Model No. _____

Diameter 8 Slot size 80 Set from 290 feet to 295 feet

Diameter 8 Slot size 60 Set from 295 feet to 305 feet

Gravel pack? ☐ Yes ☒ No ☐ 30/60 gravel 310 feet

Placed from _____ feet to _____ feet

Surface seal depth 20 ft Material used in seal: ☒ Cement grout

☐ Pudding clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing

☐ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____
Block No. _____
County Kootenai

10.

Work started 10-18-79 finished 11-12-79

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Bronson Water Well No. 360

Address Box 1 Spirit Lake, Ida. 83869 Date 2-1-80

Signed by (Firm Official) _____

and

(Operator) _____

FILED BY THE DEPARTMENT

INTER-DEPARTMENT MEMO — 1

FROM JIM

DATE 7-1-86

TO FILE

SUBJECT RECEIPT OF EXAM FEE INFORMATION FORM

THE PRIORITY DATE OF THIS RIGHT SHOULD
NOT BE ADVANCED.

MICROFILMED
JUN 29 1990

SIGNATURE

4/86

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EXAMINATION FEE INFORMATION

For Office Use Only
Fee Received 100⁰⁰
Date 6/23/86
Receipt # 39013
Receipt by 92
Sent to S.O. 6/23/86

RECEIVED

JUN 26 1986

1. Permit No. 95-7983

ONE OF THE FOLLOWING BOXES SHOULD BE MARKED TO DESIGNATE YOUR CHOICE:

☒ I choose to have the department make the field examination of this permit; attached is the examination fee. (If this box is marked, complete items 1 thru 8.)

2. Permit Holder: U.S. Forest Service

3. Post Office Address: 3600 Nursery Road, Coeur D'Alene, ID 83814

Telephone No. (208) 765-7375

4. Source of Water: Groundwater

5. Extent of Use:

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

Irrigation 5 (acres) Other/Remark Greenhouse Irrigation

6. Total rate &/or volume for which proof is submitted .67 cfs acre-feet

7. Show the date water was first diverted and beneficially used under this permit:

10/27/79

8. Person to contact to accompany the permittee representative during the field examination:

JOSEPH MYERS

JUN 29 1990
(Name)

3600 Nursery Rd., Coeur d'Alene, ID 83814

(Address)

(208) 765-7589

(Telephone Number)

☐ I choose to have the field examination conducted by a certified water right examiner. Attached is a statement from the certified examiner I have selected verifying that he has been retained to conduct the examination. (If this box is marked, complete items 1 thru 7.)

Date 6/11/86

[Signature]
Signature of Permit Holder (and title, if appropriate)



United States
Department of
Agriculture

Forest
Service

Region 1

Federal Building
P.O. Box 7669
Missoula, MT 59807

Reply to: 2540

Date: MAY 14 1986

Department of Water Resources
State Office
450 W. State Street
Boise, ID 83720

RECEIVED
MAY 15 1986

Department of Water Resources

Dear Mr. Saxton:

We have received your Certified Letter #138455 regarding Water Permit 95-7983 for the Coeur d'Alene Nursery on the Idaho Panhandle National Forest. This letter was mailed to Intermountain Regional Office rather than to this office or to the Forest. Because of this incorrect notification, we request that the 60 days be extended from May 5, 1986, which is the date we received this notification.

We appreciate your consideration of this request.

Sincerely,


RONALD L. HAAG
Director of Range, Air
Watershed & Ecology

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JUN 29 1990



U.S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FEDERAL BUILDING

P.O. BOX 7669

MISSOULA, MONTANA 59807

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

AN EQUAL OPPORTUNITY EMPLOYER



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

JOHN V. EVANS

Governor

A. KENNETH DUNN

Director

95-7983
U.S. DEPT. OF AGRIC.
FOREST SERVICE
FEDERAL BLDG.
324 25TH ST.
BOGDEN, UT 84401

Mailing address:
Statehouse
Boise, Idaho 83720

138455

April 17, 1986

CERTIFIED MAIL

EXAMINATION FEE NOTICE

Dear Permit Holder:

Department records show that proof of beneficial use has been submitted for the above-referenced permit, but that a field examination has not yet been conducted to determine the extent of beneficial use of the water for licensing purposes.

House Bill 671 (effective April 4, 1986) enacted by the 1986 Idaho Legislature requires the payment of a fee before this department can conduct the field examination needed to issue a license confirming use of water under the permit. This letter is notification that the license examination fee is due within sixty (60) days of the date of this letter. The examination fee information sheet (enclosed) must be returned with the fee.

As an alternative to submitting the fee, the department will accept a field examination report completed by a certified water right examiner from the private sector. If you choose to have the examination done by a certified water right examiner, you need not submit the license examination fee to the department, but you must within sixty (60) days of the date of this letter return to the department, the examination fee information sheet showing appropriate information together with a statement from the certified examiner to verify that you have retained a certified examiner to conduct the field examination. If you choose this alternative, a completed field examination report must be submitted within one year of the date of this letter. You cannot later change your decision to use this alternative and submit the fee needed for the department to conduct the field examination, but you may change to another certified examiner.

Certified water right examiners are licensed engineers, geologists, or land surveyors certified by the department to conduct water right examinations. The procedure for certifying examiners results from the recently enacted HB 671 and is being developed at this time. A listing

of certified water right examiners will be available from this department when examiners have been certified.

If your permitted use, in fact, has already been examined by the department and you have not asked to have the examination repeated, the fee requirement is not applicable to your permit. If you believe this is the case, please contact the department.

The license examination fee is to be based on the amount of water you indicate you have developed, as listed in item 6 on the examination fee information sheet. The amount of water on which the examination fee is based can be less than the permitted amount, if less water has been diverted and beneficially used. The licensed amount of water, however, will not exceed the amount you claim on the examination fee information sheet. The enclosed license examination fee schedule shows a listing of applicable fees.

FAILURE TO SUBMIT WITHIN THE SIXTY (60) DAY PERIOD, THE FEE OR THE STATEMENT THAT A CERTIFIED EXAMINER HAS BEEN RETAINED TO MAKE THE FIELD EXAMINATION, WILL BE CAUSE TO ADVANCE THE PRIORITY OF THE PERMIT ONE DAY FOR EACH DAY THAT THE FEE SUBMITTAL IS LATE.

FAILURE TO SUBMIT THE FEE OR THE COMPLETED FIELD EXAMINATION REPORT WITHIN A YEAR WILL BE CAUSE TO CONSIDER THE PROOF OF BENEFICIAL USE TO BE INCOMPLETE AND TO LAPSE THE PERMIT.

The attached examination fee information sheet and the fee may be submitted to the following department offices.

Northern Region

Idaho Dept. of Water Resources
4055 Government Way
Coeur d'Alene, ID 83814
Phone: 765-4639

Eastern Region

Idaho Dept. of Water Resources
150 Shoup Ave., Suite 15
Idaho Falls, ID 83401
Phone: 525-7161

Southern Region

Idaho Dept. of Water Resources
1041 Blue Lakes Blvd. North
Twin Falls, ID 83301
Phone: 734-3578

Western Region

Idaho Dept. of Water Resources
450 W. State St., (Third Floor)
Boise, ID 83720
Phone: 334-2190

Sincerely,



L. GLEN SAXTON
Chief, Operations Bureau

Enclosures

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Northern Region

JOHN V. EVANS
Governor
A. KENNETH DUNN
Director

4055 Government Way
Coeur d'Alene, ID 83814
(208) 667-6484

October 8, 1982

U S Forest Service
3600 Nursery Rd.
Coeur d'Alene, Id. 83814

RE: 95-7983

Gentlemen:

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

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

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

Very truly yours,

TOM D. KING
Senior Water Resource Agent

TDK/pms

cc: IDWR - State Office

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JUN 29 1990

DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources will consider this card a statement that the permit holder(s) has completed development to the extent shown below Permit No. 95-7983.

Name(s) of Permit Holder: US Forest Svc (USDA)

Post Office Address: 3600 NURSERY Rd

Coeur d'Alene, Id 83854 Tel. No. _____

Source of Water: Groundwater

Extent of Use: ☐ Domestic (number of households)
☐ Stockwater (number and type of stock)
☐ Irrigation (acres)
☒ Other Commercial Green House

Measuring Device: Required? ☐ Yes ☐ No Installed? ☒ Yes ☐ No

Access Port: Required? ☒ Yes ☐ No Installed? ☐ Yes ☐ No

The above information is a true statement of the extent to which the above numbered permit has been developed.

Date _____

John Jackson
Acting Multi Resource Staff
 Signature of Permit Holder

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JUN 29 1990



IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

PLACE
TEN CENT
STAMP
HERE

RECEIVED
JUN 29 1990
FBI

AUG 5 1982



State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 373 W. Franklin Street, Boise, Idaho

JOHN V. EVANS
CHIEF

C. STEPHEN ALLRED
Director

Mailing address:
Storehouse
Boise, Idaho 83720
(208) 384-2215

January 30, 1980

U.S. Forest Service
3600 Nursery Rd.
Coeur d'Alene, Idaho 83814

Dear Sirs,

RE: Permit No. 95-7983

Enclosed is a copy of your approved Application for Permit. We direct your attention to the conditions of approval as listed on the fourth page.

Be sure to note the special condition requiring you to install an access port or other device to provide for the installation of measuring equipment by the Department. Enclosed are specifications for the installation of the access port, as well as a list of measuring device options.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR.
Supervisor, Water Allocations Section

DRT:lr

Enclosures

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M E M O R A N D U M

TO: 95-7983

FROM: Dave Tuthill *DET*

DATE: January 25, 1980

RE: Change in type of use

The staff review of this application was complicated because the use was originally shown to be irrigation. Preliminary research indicated that water rights 0.02 cfs per acre already exist on the five acres shown as the place of use. To reduce further confusion on this water right, the use has been changed to "Commercial", not to expand or change the original intent, but rather to define the greenhouse use as unique and different from the irrigation use. An amended application is not necessary since the intent has not changed- only the wording has been changed to better identify the situation.

The rate of flow requested is not excessive for the commercial use proposed.

DET

RECEIVED

January 17, 1980

U.S. Forest Service
3600 Nursery Rd.
Coeur d'Alene, Idaho 83814

Gentlemen:

We are currently in the process of reviewing your Application for Permit No. 95-7983, which requests a flow of 0.67 cubic feet per second (cfs) for the irrigation of a 5 acre tree nursery.

Section 42-202, Idaho Code, provides that no one shall be allowed to divert for irrigation purposes more than .02 cfs per acre unless it can be shown to the Department that a greater amount is necessary. We have reviewed the existing water rights on the NW 1/4 Sec. 3, T50, R4W, B.M. and have found that License Nos. 95-2134, 95-7063 and 95-2142 already provide .021 cfs per acre for irrigation purposes.

We have noticed in item 10 of the application you have stated that an increased rate of flow is necessary due to a 3-4 hour irrigation period. This period is stated to be limited by disease and humidity. To justify the approval of additional irrigation water under Application for Permit No. 95-7983 we will need to have more complete justification of the high rate of flow. Please send this justification to this office at your earliest convenience. If you would like to discuss the matter, feel free to call.

Sincerely,

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:jg

INTER-DEPARTMENT MEMO — 1

FROM Jim

DATE 11/30/79

TO File

SUBJECT Overlap Review

Existing Rights	} 95-2134	$2.8 \text{ cfs} / 198 \text{ ac} = 0.014 \text{ cfs/ac} \times 40 \text{ ac} = 0.56 \text{ cfs}$	P. D.	
Lic.		} 95-7063	$0.8 \text{ cfs} / 208 \text{ ac} = 0.004 \text{ cfs/ac} \times 40 \text{ ac} = 0.16 \text{ cfs}$	NW NW Sec. 3
			} 95-2142	$0.56 \text{ cfs} / 198 \text{ ac} = 0.003 \text{ cfs/ac} \times 40 \text{ ac} = 0.12 \text{ cfs}$
		sub total		<u>0.021</u> cfs/ac
New App.	} 95-7983	$0.67 \text{ cfs} / 5 \text{ ac} = 0.134 \text{ cfs/ac}$	NW NW	"
		total	<u>0.155 cfs/ac</u> or 7.75 in/ac.	

SIGNATURE

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State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: RGH

APPLICATION NUMBER: 95-7983

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area.
☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☐ No* In form to receipt.

Field check by: _____

Date: _____

Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department. Copies sent by: _____ Date: _____
☐ Idaho Fish and Game Department. _____
☐ Idaho Department of Lands. _____
☐ U.S. Bureau of Land Management. _____
☒ U.S. Forest Service. _____
☐ Other _____

PROCESSING:

- ☐ Yes ☐ No Platted by: _____ Map No. _____
☐ Yes ☒ No Other rights on same place of use. 1
☒ Yes ☐ No* In form for advertising.
Final date for protests: 11/19/79
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 11/14/79
☐ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☒ Yes ☒ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? _____
10/22/79 Date of priority recommended.
Special conditions of approval or cover letter. _____

By: RGH

Date: 11/19/79

STATE OFFICE REVIEW:

- oic,
Don't letter w/ access port
☐ See attached sheet for more information.

By: Jim

Date: 11/28/79

95-2983-

UNITED STATES FOREST SERVICE

3600 NURSERY RD., COEUR D'ALENE, ID 83814

Source: GROUNDWATER

Date Filed: 10/22/1979

Amount: 0.67 CFS

Diversion Point: NWNW Sec 03 T 50N R 04W, KOOTENAI Co.

Use: IRRIGATION (0.67 CFS) from 01/01 to 12/31

Place of Use: NWNW Sec 03 T 50N R 04W FOR 5 ACRES

Diversion Means: WELL, PUMP & SPRINKLERS

APPROVED
10/22/79