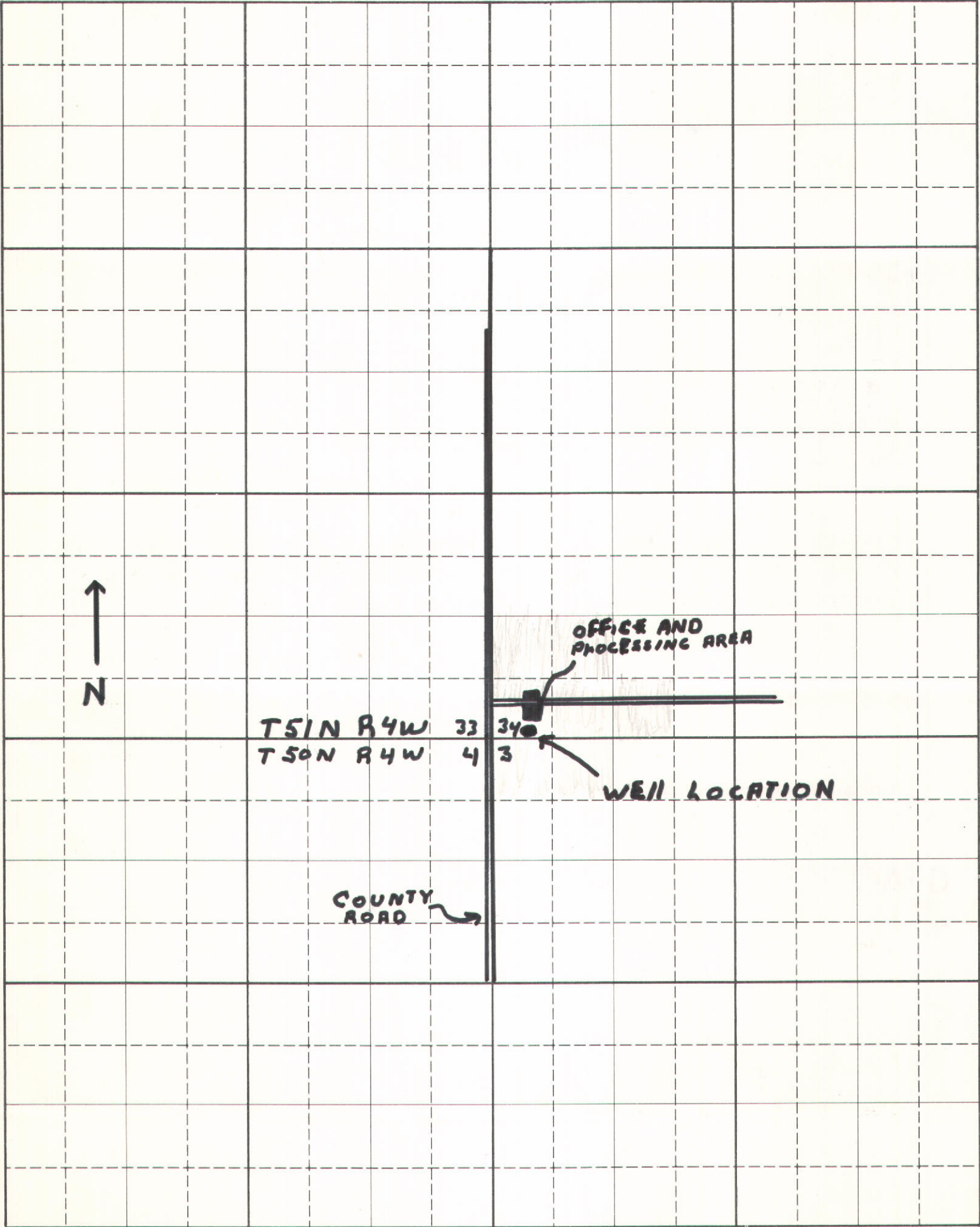


11. Map of proposed project:



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.

Chandler P. St. John
(Applicant)

95 7003

AFFIDAVIT OF PUBLICATION—COEUR D'ALENE PRESS

(WEEKLY)

JUL 8 1969

STATE OF IDAHO, }
County of Kootenai, } ss.

Department of Reclamation

Callie Pointner, being first duly sworn,
deposes and says:

That affiant is now, and at all times herein mentioned has been, a citizen of the United States and a resident of Kootenai County, State of Idaho, over the age of 21 years and not a party to, nor interested in the event of, the above entitled matter, and the printer (principal clerk) of the "Coeur d'Alene Press", during all of the times herein mentioned being a legal daily newspaper, of Coeur d'Alene, Kootenai County, Idaho, as defined by Idaho Code Sec. 60-106 to Sec. 60-108 both inclusive, and Chapter 121 Idaho Session Laws of 1949, and acts amendatory thereof and correlated thereto, and qualified thereunder to publish to the same effect as a weekly

newspaper on Wednesdays; and that the

Notice of Application for Water -

of which a printed copy is annexed hereto, was published in all the regular Wednesday weekly issues of said newspaper for *two* consecutive weeks, commencing on the *26* day of *June*, 196*9*, and ending on the *3* day of *July*, 196*9*.

Subscribed and sworn to, before me, this *3* day of *July*, 196*9*.

196*9*

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

NOTICE OF APPLICATION FOR WATER

Notice is hereby given that USDA, Forest Service, Coeur d'Alene Nursery, Coeur d'Alene National Forest, Box 310, Coeur d'Alene, Idaho has on May 7, 1969 applied for permit under application No. 95-7063 to divert 4.46 cubic feet per second of water from a groundwater source.

Water will be diverted by well, pump, motor and pipe within the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, T. 51 N, R. 4 W, B.M., Kootenai County and is to be used from April 1 to October 1 for irrigation in the N $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T. 50 N, R. 4 W, B.M. and SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34, T. 51 N, R. 4 W, B.M.

Any protest against this application must be filed with the Department of Reclamation within ten days from the last date of this notice.

R. KEITH HIGGINSON
State Reclamation Engineer
June 26, July 3, 1969.

95 7063

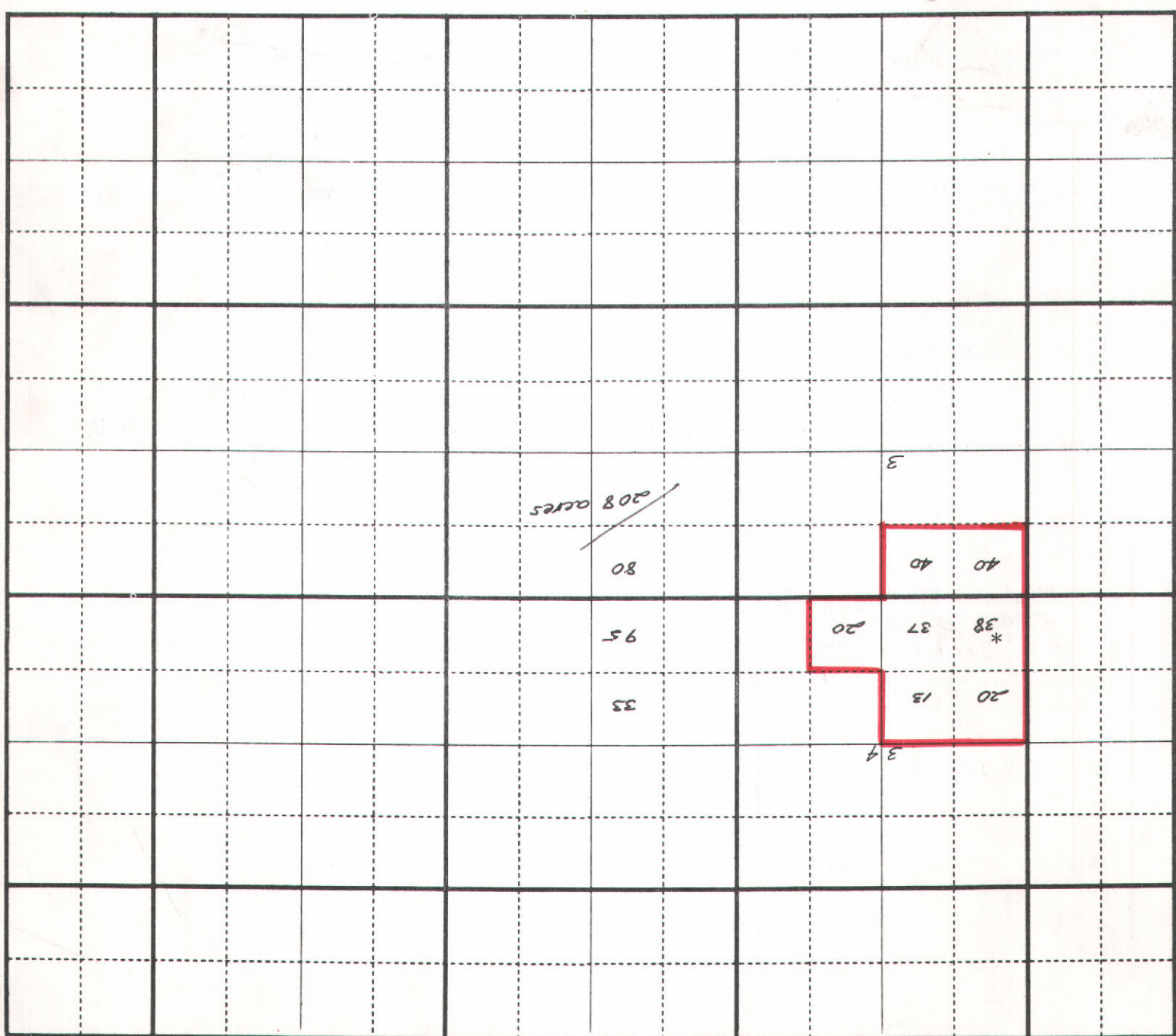
will submitted 7-14-69

RECEIVED

MAY 1 1973

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL EXPERIMENT STATION

Diagram of System

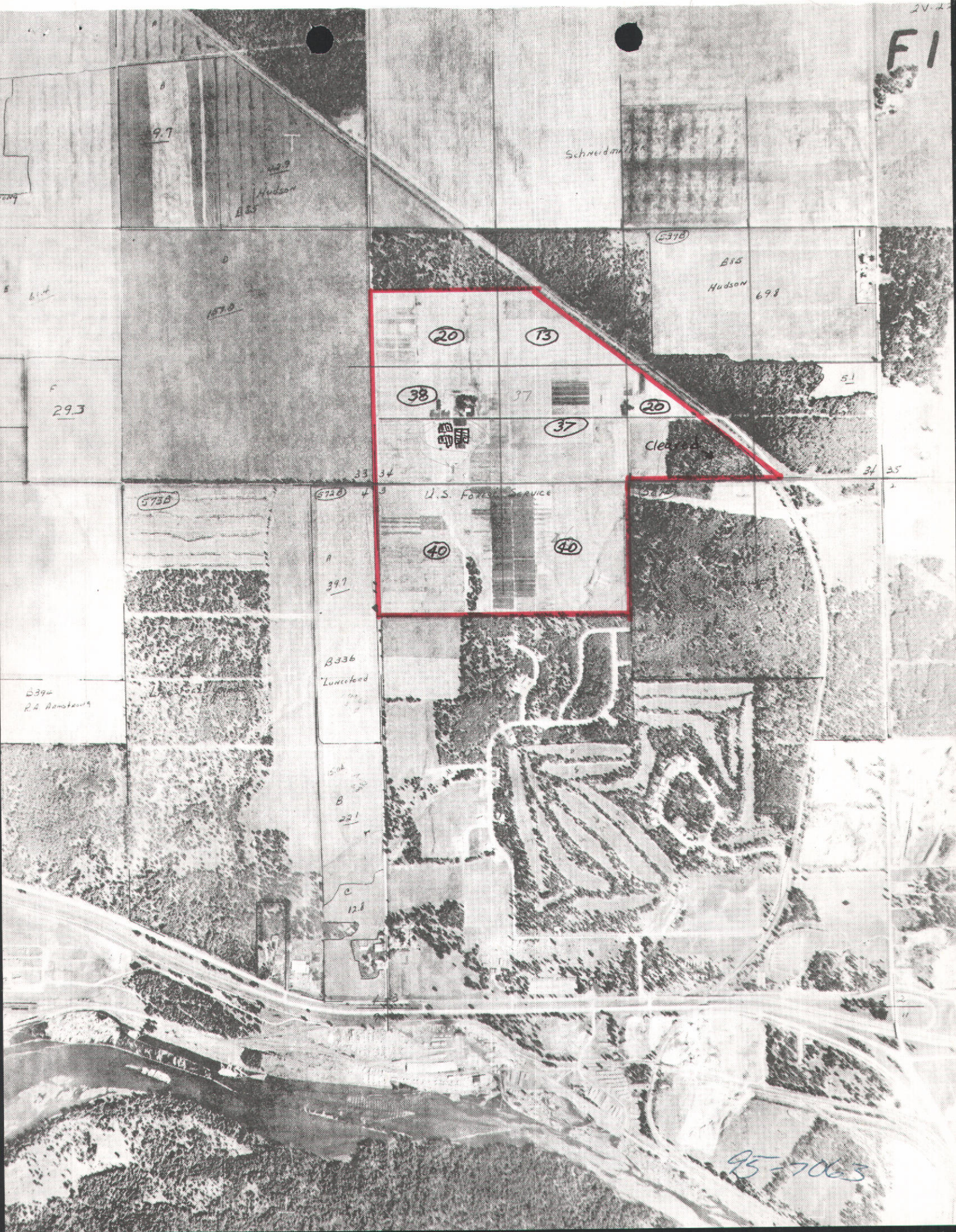


5-9-73
Talked w/ James Mason
The mixer is being installed
and system will be ready
call and tell us when ready
- send the manual now in 2 days
Mixer installed
7/13/73
JK

95-7063

R.4W

F1



95-7063

State of Idaho

Department of Water Administration

WATER RIGHT LICENSE

License of Water Right No. 95-7063 Priority June 22, 1969 Amount 0.80 cfs

THIS IS TO CERTIFY, that USDA, Forest Service, Coeur d'Alene Nursery
of Coeur d'Alene, Idaho, has complied with the terms and conditions of Permit
No. 95-7063 issued pursuant to Application for Permit dated May 7, 1969,
and has submitted proof to the Department of Water Administration on April 16, 1973 (late proof),
that he has applied water to a beneficial use; an examination by the Department indicates that the works have a
capacity for the diversion of 2.90 cfs of water from a ground water source,
tributary to _____, and that the permit holder has applied to a beneficial use &
established a right to use water as follows:

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
Irrigation	from <u>April 1</u> to <u>Oct. 1</u>	at <u>0.80</u> cfs and	<u>290 acre feet or</u>
			<u>3.5 af per acre</u>
	from _____ to _____	at _____ cfs and	
	from _____ to _____	at _____ cfs and	

(both dates inclusive)

Subject, however, to the condition that no more than 0.80 cfs of water be diverted at any one time, and
that the amount of water so diverted and to which such right is entitled and confirmed is for the purpose
aforementioned and is limited to the amount which can actually be beneficially used and shall not exceed
* 290 acre feet per year, said waters to be diverted within the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 34,
Twp. 51 N, Rge. 4 W, B.M. in the County of Kootenai

Description and location of place of use:

Twp.	Range	Sec.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				Totals
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
50 N	4 W	3					40	40											80
51 N	4 W	34									13	20	38	37			20		128

Total number of acres irrigated 208

* Subject to the condition that the maximum volume per year shall not exceed 728
acre feet when combined with Licenses No. 95-2134 & 95-2142.

A measuring device of a type approved by this Department shall be permanently
maintained as part of the diverting works.

NOTE: Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho
Code, or the applicable Idaho Law. This right may be forfeited by five years of non-use.

The right to the use of the water hereby confirmed is restricted and appurtenant to the lands or place of use
herein described, as provided by the laws of Idaho.

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 2 day of
April, 19 74.

Director

95-7063

LICENSE ISSUED FOR 0.80 SEC. F1.
LICENSE PAGE NO. _____

Identification No. 95-7063
Application No. _____

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
APPLICATION FOR PERMIT

To Appropriate the Public Waters of the State of Idaho
(TYPE OR PRINT IN INK)

APPROVED

1. Name of applicant USDA, Forest Service, Coeur d'Alene Nursery
post office address Coeur d'Alene National Forest, Box 310, Coeur d'Alene, Idaho 83814
2. Source of water supply well which is a tributary of _____
3. a. Location of point of diversion is SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 34 Township 51N
Range 4W B.M. Kootenai Idaho County; additional points of diversion if any: _____

- b. If water is not consumed, it will be discharged into not pumped at a point in _____ $\frac{1}{4}$
of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____

4. Water will be used for the following purposes:

Amount 4.80 for irrigation purpose from April 1 to October 1 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

- a. 80 4.46 CFS cubic feet per second and/or see letter 1-28-71
- b. _____ acre feet per annum.

6. Proposed diverting works:

- a. Description of ditches, flumes, pumps, headgates, etc. Drilled 18" well pump water
Pipe Dam

- b. Height of storage dam None feet, active reservoir capacity None acre feet; total reservoir
capacity None acre feet, materials used in storage dam: None
- Period of year during which storage will occur None to _____ inclusive.
(Mo. Day) (Mo. Day)

- c. Proposed well diameter is 18" inches; proposed depth of well is 320 feet.

7. a. Time required for the completion of the works and application of the water to the proposed beneficial use
is 2 years.

- b. Estimated construction cost is \$ 25,000 - \$30,000

8. Description of proposed uses:

- a. If water is not for irrigation: For irrigation only

(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M. _____

(2) Amount of power to be generated: _____ hp 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: _____

95 7063

Total number of acres to be irrigated 208

c. Describe any other water rights used for the same purposes.

Water License No. G-30401 0.56 cfs Priority March 7, 1962

Water License No. G-29085 2.80 cfs Priority November 12, 1960

9. a. Who owns the property at the point of diversion
United States of America

b. Who owns the land to be irrigated or place of use _____ United States of America

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing None

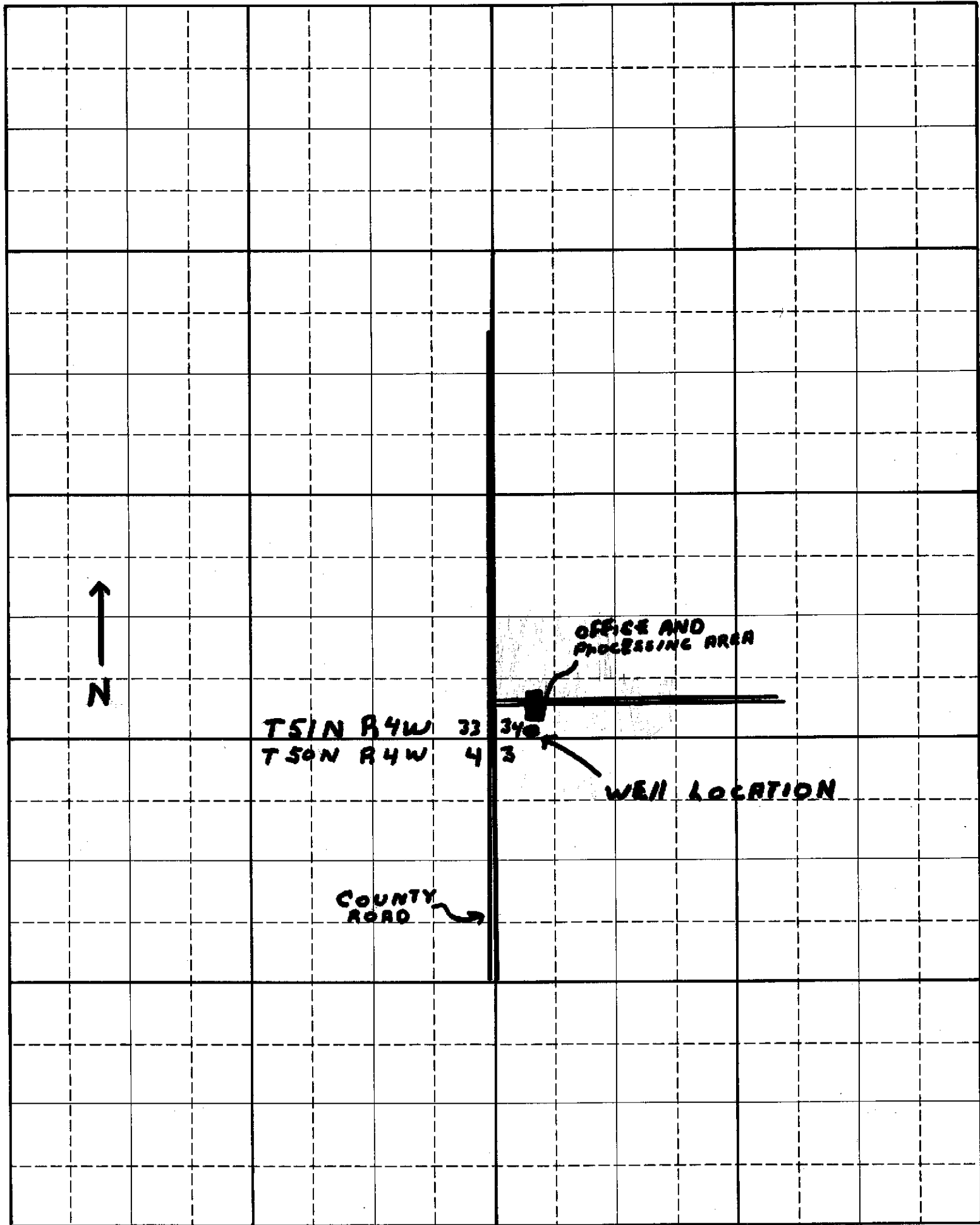
None applicant to make this filing

10. Remarks	Water is pumped from well 320 feet in a deep subterranean flow and piped for irrigation of seedbeds and for irrigation of young trees used for reforestation of National Forest.
-------------	--

National Forest.

Location: SW 1/4 Sec. 34, T51N, R4W

11. Map of proposed project:



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.

Chandler P. St. John
(Applicant)

95 7063

Received by 5-7-69 Date 8:00 am
Preliminary check by 40.00 Fee \$ 500.00 17-Jan-69

Received by 6-18-69 Date 6-19-69
Publication prepared by General/Almon Brown
Published in 6-26 + 4-3-69
Publication approved 6-25-69
Priority reduced to Reason

Protests filed by: None 4-14-69
Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by W. J. J. J.

APPROVED

ACTION OF STATE RECLAMATION ENGINEER

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 95-7063, and said application is hereby APPROVED.

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

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before March 1, 19 73.
- c. Other: The permit holder shall permanently install and maintain as part of the diverting works a measuring device at the point of diversion of a type approved by this department. This permit is supplemental to all prior rights. Maximum rate of diversion shall not exceed 0.80 c.f.s.

2. Denial of said application is for the following reasons: _____

Witness my hand this 11 day of February, 19 71.

State Reclamation Engineer

BEFORE THE DEPARTMENT OF WATER ADMINISTRATION
OF THE
STATE OF IDAHO

IN THE MATTER OF Permit No. 95-7063 in the)
name of USDA, FOREST SERVICE, COEUR D'ALENE)
NURSERY)

ORDER OF REINSTATEMENT

WHEREAS, on May 7, 1969, USDA, Forest Service, Coeur d'Alene Nursery filed with the Department of Water Administration (formerly the Department of Reclamation) an application for permit to appropriate .80 cfs of water from a ground water source within the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, Twp. 51N, Rge. 4W, B.M., Kootenai County, to be used for irrigation purposes; and,

WHEREAS, on February 11, 1971, the Department approved said application and issued Permit No. 95-7063 with the condition that proof of construction of works and application of water to beneficial use be submitted to the Department on or before March 1, 1973; and,

WHEREAS, on December 29, 1972, the Department notified the permit holder by certified mail that proof of beneficial use was due and instructed the permit holder as to the steps to be taken to make said proof; and,

WHEREAS, on March 6, 1973, the Department notified the permit holder that Permit No. 95-7063 had lapsed for failure to submit proof of beneficial use of water; and,

WHEREAS, on April 16, 1973, the Department received the required proof of beneficial use of water; and,

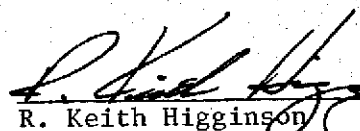
WHEREAS, Section 42-218a of the Idaho Code provides that a permit may be reinstated upon a showing of reasonable cause within 60 days from the date of the notice of lapsing; and,

WHEREAS, the permit holder has provided a reasonable showing as to why said permit should be reinstated;

IT IS, THEREFORE, HEREBY ORDERED that Permit No. 95-7063 be REINSTATED and the priority advanced to June 22, 1969.

Dated this 27th day of April, 1973.

95-7063


R. Keith Higginson
Director

AFFIDAVIT OF PUBLICATION—COEUR D'ALENE PRESS

(WEEKLY)

STATE OF IDAHO,

County of Kootenai, } ss.

Department of Reclamation

Callie Pointner, being first duly sworn,
deposes and says:

That affiant is now, and at all times herein mentioned has been, a citizen of the United States and a resident of Kootenai County, State of Idaho, over the age of 21 years and not a party to, nor interested in the event of, the above entitled matter, and the printer (principal clerk) of the "Coeur d'Alene Press", during all of the times herein mentioned being a legal daily newspaper, of Coeur d'Alene, Kootenai County, Idaho, as defined by Idaho Code Sec. 60-106 to Sec. 60-108 both inclusive, and Chapter 121 Idaho Session Laws of 1949, and acts amendatory thereof and correlated thereto, and qualified thereunder to publish to the same effect as a weekly

newspaper on Wednesdays; and that the

Notice of Application for Water -

of which a printed copy is annexed hereto, was published in all the regular Wednesday

weekly issues of said newspaper for *two* consecutive weeks, commencing

on the *26* day of *June*, 196*9*, and ending on the

3 day of *July*, 196*9*.

Subscribed and sworn to, before me, this *3* day of *July*

196*9*.

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

will
submitted 7-14-69

NOTICE OF APPLICATION FOR WATER

Notice is hereby given that USDA, Forest Service, Coeur d'Alene Nursery, Coeur d'Alene National Forest, Box 310, Coeur d'Alene, Idaho has on May 7, 1968 applied for permit under application No. 95-7063 to divert 4.46 cubic feet per second of water from a groundwater source.

Water will be diverted by well, pump, motor and pipe within the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, T. 51 N, R. 4 W, B.M., Kootenai County and is to be used from April 1 to October 1 for irrigation in the N $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T. 50 N, R. 4 W, B.M. and SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34, T. 51 N, R. 4 W, B.M.

Any protest against this application must be filed with the Department of Reclamation within ten days from the last date of this notice.

R. KEITH HIGGINSON
State Reclamation Engineer
June 28, July 3, 1969.

95 7063

April 5, 1974

Re: Permit No. 95-7063

USDA Forest Service
Coeur d'Alene Nursery
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

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

Sincerely,

BOBBY D. FLEENOR
Assistant Director

BDF:DR
Enclosure

95-7063

March 13, 1974

USDA Forest Service
Coeur d'Alene Nursery
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

A representative of this Department has made an examination of the works covered by your Permit No. 95-7063 and has found the following:

Quantity of water diverted: 2.90 cfs

Amount of water that can be recognized as beneficially used under Idaho law: 0.80 cfs

The maximum quantity diverted shall not exceed *200 acre feet per year.

Beneficial use: ~~For irrigation of 208 acres within the N 1/2 NW 1/4, Sec. 3, Twp. 50 N, Rge. 4 W, SW 1/4, SW 1/4 SE 1/4, Sec. 34, Twp. 51 N, Rge. 4 W~~

Point of diversion: SW 1/4 SW 1/4, Sec. 34, Twp. 51 N, Rge. 4 W, B.M.

Priority date established: June 22, 1969

If you do not concur with these findings, please advise us within 10 days; otherwise, a license will be issued as set forth in this letter.

* Subject to the condition that the maximum volume per year shall not exceed 728 acre feet when combined with Licenses No. 95-2134 & 95-2142.

Sincerely,

BOBBY D. FLEENOR
Assistant Director

jfr

95-7063

95-2142 .56 cfs
95-2134 2.8

DEPARTMENT OF WATER ADMINISTRATION
FIELD REPORT

RECEIVED

MAY 1 1973

1. Name of permit holder USDA, Forest Service, Coeur d'Alene Nursery
Post office address Box 310, Coeur d'Alene, Idaho 83814 Phone Department of Water Administration Northern District Office
Person to contact _____ Phone _____

2. Source of water supply: Groundwater ☒ Surface water ☐ well
(name spring, stream, etc.)
Tributary to _____

3. Water will be used for the following purposes:

Amount .80 c.f.s. for irrigation
AF/Annum (nature of use)

Period of Use: from April 1 to October 1
(mo.-day) inclusive (mo.-day)

Amount _____ c.f.s. for _____
AF/Annum (nature of use)

Period of Use: from _____ to _____
(mo.-day) inclusive (mo.-day)

Amount _____ c.f.s. for _____
AF/Annum (nature of use)

Period of Use: from _____ to _____
(mo.-day) inclusive (mo.-day)

Other uses: _____

Permit No. 95-7063
Examination for b/u

4. Total amount to be appropriated:

Max Rate of Diversion .80 cubic feet per second and annual volume _____ AF/Annum.

5. Location of Point(s) of Diversion:

Township 51N N/S, Range 4W E/W, B.M., Section 34, Subdivision SW $\frac{1}{4}$ SW $\frac{1}{4}$, Kootenai County

Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, _____ County

Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, _____ County

Other Points of Diversions: _____

Description of diverting works: 18" casing, 320' depth deep well turbine pump - 1600 gpm capacity 250 horsepower

Measuring device required: yes ☒ no ☐

6. Lands to be irrigated or place of use.

TWP.	RANGE	SEC.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTALS
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
50N	4W	3					40	40											80
51N	4W	34									13	20	38	37			20		128

95-7063

TOTAL ACREAGE

208

F1

Schneider

(2370)

B15
Hudson

69.8

(20)

(13)

(38)

37

(37)

(20)

610

5.1

34

35

U.S. FISH SERVICE

(40)

(40)

39.1

8336

Lumber

30.1

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

29.3

(5780)

(5780)

(5780)

2394

E. H. Armstrong

95-7063

DATE OF EXAM 9/27/73

ACREAGE
Found 208
Recommended 208

Irrigation Requirement 3.5 Ac Ft/Ac

USE
Irrigation Q = .80 c.f.s. V = 289.9 AF/Ann. from 4/1 to 10/1
Domestic Q = _____ c.f.s. V = _____ AF/Ann. from _____ to _____
Livestock Q = _____ c.f.s. V = _____ AF/Ann. from _____ to _____

Is water co-mingled? yes _____ no ☒

Name source: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Exchange? yes _____ no ☒

Name source exchanged with: _____
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Point of injection:
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Point of exchange:
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____
County _____

Total Q measured 2.9 cfs (1300 gpm) Method of measurement Hershey Sparling

Total Q recommended .80 cfs Meter No. ? Type Flow Condition Good

Total V recommended .8 cfs x 1.98 af/cfs x 183 days = 289.9 a.f. (Not to exceed 728 a.f. when combined with 95-2142 and 95-2134)

Recommended Amendments:

P.D. _____
Place of Use _____
Other _____
None ☒

MEASUREMENT CALCULATION:

1300 gpm. measured on Hershey Sparling meter.

SYSTEM DESCRIPTION:

Holbrook Motor Peerless Pump 221814
250 h.p
Ser. C1006445 240' to water

REMARKS:

Recommend to license at .80 cfs Not to exceed 4.16 cfs
when combined with 95-2142 and 95-2134.
95-7063 = .8 cfs
95-2142 = .56 cfs
95-2134 = 2.8 cfs
total 4.16 cfs @ 208 acres

Examiner's Signature [Signature] Date 9/27/73

Checked by [Signature] Date 11/2/73

Approved by _____ Date _____

95-7063

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

APR
late
Department of Water Administration

1. a) Name of Permit Holder Coeur d'Alene Nursery, Forest Service, U.S.D.A.
b) Post Office Address Box 310, Coeur d'Alene, Idaho 83814
2. Permit Number _____
3. Date of Priority that you are prepared to establish 6-18-69
4. a) Source from which water was appropriated deep well
b) Location of the point of diversion: SW 1/4 SW 1/4, Section 34
Township 51N, Range 4W, Boise Meridian, Other points of diversion:

5. a) The amount of water and use to which the water has been applied:
amount .80 cfs for irrigation purposes from April to October 1 incl.
(cfs and/or acre feet per annum) (Month-Day) (Month-Day)
amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre feet per annum) (Month-Day) (Month-Day)
amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre feet per annum) (Month-Day) (Month-Day)
b) Total amount appropriated .80 cfs and/or acre feet per annum
c) Describe how and by whom measurement of rate of flow or amount of storage was made and the qualifications of the person making the measurement: Test by Dickerson pump & irrigation
Co., Inc. Spokane, Washington See attached report
6. If the means of diversion and conveyance are owned by someone other than the Permit Holder:
a) Give the name or description of the canal, ditch or other works by which the water is conducted to the place of use: N/A
b) Describe the agreement or understanding by which you take water from the works: N/A
7. a) Briefly describe the works for diverting and conveying the water to the place of use, (If from a subterranean source, give the pump size, motor size, size of well casing, depth of well; if from surface water, give brief description of diversion structure and/or canal or ditch) 18" casing, 320' depth
deep well turbine pump - 1600 gpm capacity, 250 horsepower
b) Describe the type and size of measuring device which you have installed at your point of diversion: _____
By July 1, 1973 we will install a saddle meter (11" OD) maximum flow 2000 gpm.
and a maximum pressure of 100 psi. Probably a macrometer model.
c) Give well drillers name and address and date the well was completed _____
Holman Drilling Corp.
E3410 9th Ave.
Spokane, Washington 99202

Completed August 12, 1969

Exam typed 4/30/25 by JC

95 7063

Test of New Pump

The new pump was tested on July 14, 1970. Tests were conducted by pumping through the assembled irrigation system. Tests were run at 100 psi because we found that the system oscillators could not take any additional pressure without blowing plastic control hoses.

Measurements were made by counting the lengths of and number of lines being supplied and the supply pressure.

The old pump supplying 1200 gpm will operate 20-400 foot lines for a total of 8,000 feet at 85 to 87 pounds pressure.

$$\begin{aligned} \text{Qgpm/ft. of line} &= \frac{8000}{1200} = 0.15 \text{ gpm/ft.} \\ &\text{at 85 psi.} \end{aligned}$$

The new pump supplied the equivalent of 26-400 foot lines at 100 psi for a total of 10,400 feet.

For Q at 100 psi:

$$Q_{100} = Q_{85} \quad P_{100}$$

$$Q_{100} = 0.15 \quad \frac{100}{85}$$

$$Q_{100} = 0.15 \quad 1.176$$

$$Q_{100} = (0.15)(1.085) = 0.163 \text{ gpm/ft.}$$

For total Q at 100 psi in 11,200 feet of sprinkler:

$$Q = (10,400)(0.163) = 1695 \text{ gpm}$$

While attempting to test the pump at the specified flow rate and pressure without use of the pressure reducing valve, we experienced difficulty with the irrigation system oscillators. The increased pressure blew the plastic hoses from their fittings and a reduced pressure of 100 psi was used.

The overall efficiency of the unit was calculated as follows:

$$\text{Water horsepower} = \frac{Q_{\text{gpm}} h_T \text{ ft.}}{3960} = \frac{(1695 \text{ gal.})(473 \text{ ft.})}{(3960)} = 202.45 \text{ hp}$$

$$\text{where } h_T = 242 + (100)(2.31) = 473 \text{ ft.}$$

15

85 7063

$$\text{Horsepower Input (at meter)} = \frac{R K M}{(0.2072) T}$$

where: R = Revolutions of disc

K = Disc Constant

M = Transformer Multiplier

T = Time in seconds

$$\text{Hp Input} = \frac{(15.5)(2.4)(80)}{(0.2072)(60)} = 239.38$$

$$\text{Efficiency: } \frac{202.45}{239.38} = 84.57\%$$

In addition to the above tests, one was run using the clayton pressure reducing valve. The pressures and flows were:

$$\text{lines} = \text{approximately } 34 \text{ at } 400 \text{ ft. and } 85 \text{ psi} = (13,600)(0.15) = 2040 \text{ gpm}$$

Additional SW SE 34 10 acres

95-2142	198 acres	0.56 cfs
95-2134	198	2.80 cfs
		3.36 Lic.

Allowable 198 acres = 3.96

Additional Allow.	0.60	for 198a
"	0.20	for 10a
	0.80	

95 7063

April 30, 1973

Re: Permit No. 95-7063

USDA, Forest Service
Coeur d'Alene Nursery
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

We acknowledge receipt of the affidavit submitted as proof of beneficial use for the above referenced permit. Enclosed you will find an Order of Reinstatement; please note that the priority has been advanced to June 22, 1969.

Before a water license can be issued, a field examination must be made by a representative of this Department. We cannot tell just when this examination will be made, but our examiner will try to contact you at the time he makes the exam so that you may show him the system.

If you have any questions regarding the field exam, please contact our Northern District Office at 401 Front Ave., Room 209, Coeur d'Alene, Idaho.

Sincerely,

D. Darlene Reich
Water Rights Supervisor

DDR: jc
Enclosure

5 7063

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION



Cecil D. Andrus
Governor
R. Keith Higginson
Director

Statehouse - Annex 2
Boise, Idaho 83707
(208) 384-2215

Water Rights Administration
Water Resource Investigations
Dam and Reservoir Safety
Water Well Drilling
Waste Disposal Wells
Stream Channel Protection

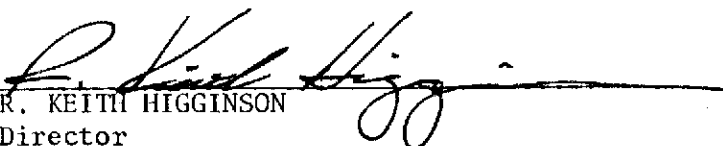
March 6, 1973

USDA, Forest Service
Coeur d'Alene Nursery
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

You are hereby notified that under the provisions of Section 42-218a of the Idaho Code, Permit No. 95-7063 has lapsed.

You are further advised that the Department cannot reinstate the permit except upon a showing of reasonable cause within 60 days from the date of this notice of lapsing.


R. KEITH HIGGINSON
Director

RKH:DR

95 7063

SENDER: Be sure to follow instructions on other side

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S)
(Additional charges required for these services)

☐ Show to whom, date and address
where delivered

☐ Deliver ONLY
to addressee

RECEIPT

Received the numbered article described below

REGISTERED NO.

SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)

CERTIFIED NO.

29231

1

U.S. Forest Service

INSURED NO.

2

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

El L. L.

DATE DELIVERED

SHOW WHERE DELIVERED (Only if requested, and include ZIP Code)

JAN 2 1973

3

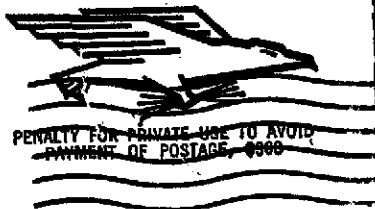
7063

PS Form 3811 Nov. 1970 65-16-81277-1

U.S. POSTAL SERVICE
OFFICIAL BUSINESS



Postmark of Delivering Office



PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300

SENDER INSTRUCTIONS

Print in the space below your name, address, including ZIP Code.

- If special services are desired, check block(s) on other side.
- Moisten gummed ends and attach to back of article.

**RETURN
TO**

DEPARTMENT OF WATER ADMINISTRATION
STATEHOUSE - ANNEX #2
BOISE, IDAHO 83707

5 7063

December 29, 1972

CERTIFIED MAIL

*24231

Re: Permit No. 95-7063

USDA, Forest Service
Coeur d'Alene Nursery
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

One of the conditions of approval of your water Permit No. 95-7063 (see last page of your approved permit) was that evidence of the extent of development be submitted as proof of application of water to beneficial use to this office on or before March 1, 1973. Enclosed is an affidavit form which must be used to submit the required proof of beneficial use.

If you have not fully completed your project, and you have not previously received an extension of time, you may request an extension of time provided the delay is for reasonable cause as indicated in Section 42-204, Idaho Code, amended. If you have been prevented from proceeding by a governmental agency or by litigation, more than one extension of time can be granted.

Either the beneficial use affidavit or a request for an extension of time must be received by this Department on or before the above mentioned date, otherwise the permit will lapse and be of no further force or effect.



R. KEITH HIGGINSON
Director

Enc: Proof affidavit

95 7063

February 16, 1971

Re: Permit No. 95-7063

USDA, Forest Service
Coeur d'Alene Nursery
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

Enclosed is a copy of your approved Application for Permit No. 95-7063. We direct your attention to the conditions of approval as listed on the fourth page.

Be sure to note that a special condition requiring you to install and maintain a measuring device at your point of diversion has been placed upon your permit. We are enclosing a letter describing different types of measuring devices accepted by this office.

Very truly yours,

BOBBY D. FLEENOR
Assistant Director

BDF:kh

Enclosures: Copy of permit
Receipt No. 3176 for \$40
2 informational letters

95 7063

January 28, 1971

Re: Application for Permit No. 95-7063

U.S.D.A., Forest Service
Coeur d'Alene National Forest
Box 310
Coeur d'Alene, Idaho 83814

Attention Ray L. Hilding

Dear Sirs:

We have not received the information requested in our letter of June 30, 1970, a copy of which is enclosed for your convenience. If we do not receive this information within 10 days, we will assume you desire to have the amount of water you requested reduced to 0.80 cubic feet per second and your application will be processed accordingly.

If you have any questions, please contact me.

Very truly yours,

BOBBY D. FLEENOR
Assistant Director

BDF:kh

Enclosure

5 7063

October 2, 1970

Re: Application for Permit No. 95-7063

U.S.D.A., Forest Service
Coeur d'Alene Nursery
Coeur d'Alene National Forest
P.O. Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

On July 30, 1970, you indicated that you would require an additional period of time within which to submit justification of the amount of water requested under the above referenced application.

As the time you requested has elapsed, we would appreciate receiving the information requested in my letter of June 30, 1970, as soon as possible.

If you have any questions, please contact me.

Very truly yours,

C. STEPHEN ALLRED
Deputy Director

CSA:dr

95-7063

August 4, 1970

Re: Application for Permit No. 95-7063
Permit No. G-32572/95-2175
(2540)

Mr. Ray L. Hilding, Forest Supv.
FOREST SERVICE
Coeur d'Alene National Forest
218 North 23rd St.
Coeur d'Alene, Idaho 83814

Dear Mr. Hilding:

Thank you for your letter of July 30, 1970.

We acknowledge receipt of the affidavit of publication submitted in connection with permit No. 95-2175. Proof of beneficial use is due for this permit on or before October 26, 1970. You have no doubt received notice of proof of beneficial use being due, sent July 31, 1970, by certified mail.

If we may be of assistance at any time, please contact us.

Very truly yours,

Donald W. McEldowney
Appropriation Supervisor

DWM:DR

95 7063

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

COEUR D'ALENE NATIONAL FOREST
COEUR D'ALENE, IDAHO 83814

ADDRESS REPLY TO
FOREST SUPERVISOR
AND REFER TO

2540

July 30, 1970

Permit Application
No. 95-7063

Mr. R. Keith Higginson, Director
Idaho Department of Water Administration
Statehouse - Annex 2
Boise, Idaho 83807

Dear Mr. Higginson:

This letter is a followup to the telephone conversation Mr. O. J. Esterl, Lands Staff Officer, had with you this morning in which you granted the Coeur d'Alene National Forest another thirty days to provide sufficient justification for water needs of the Coeur d'Alene Nursery. Our justification statement will be submitted before the expiration period. The justification statement is for permit application No. 95-7063.

We are sending you two copies of affidavit of publication by the Coeur d'Alene Press for permit No. G-32572/95-2175. These affidavits have been sent in response to your request of July 7, 1970.

Please send us application forms to appropriate public waters.

We regret the delay in answering your letter of June 30, 1970.

Sincerely,

for R. L. Hilding

RAY L. HILDING
Forest Supervisor

Enclosure



95-7063

June 30, 1970

Re: Application for Permit No. 95-7063

U.S.D.A., Forest Service
Coeur d'Alene Nursery
Coeur d'Alene National Forest
P. O. Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

On May 7, 1969, we received an Application from your organization requesting authority to divert 4.46 cubic feet per second of water for irrigation purposes, from a well located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 34, T.51N, R.4W.

On August 5, 1969, Mr. Donald McEldowney of this office wrote requesting that you supply additional information regarding the amount of water requested. On April 13, 1970, Mr. McEldowney again requested that information. As of this date, we have not had a reply.

In reviewing your previous rights for this use, we find that you currently hold licensed rights for 3.36 cubic feet per second of water for irrigation of 190 acres of land. Under our state law, we cannot approve an Application which would provide in excess of 1/50 cubic feet per second of water for each acre irrigated. It would appear that your present Application would provide more than the maximum prescribed by law. In certain instances, we can exceed that maximum if the applicant provides sufficient justification. Without a sufficient justification, the maximum amount for which we could approve your Application would be .8 c.f.s. You should also be aware that all wells drilled within the state must be covered by a water right as evidenced by a valid Permit or License.

5 7063

6/30/70

We will withhold action until July 31, 1970. In the absence of a reply by that date, we will assume that you are no longer interested in the Application.

Very truly yours,

C. STEPHEN ALLRED
Deputy State Reclamation Engineer

CSA/jm

cc: U.S. Forest Service
Missoula, Montana

5 7063

1 1

April 13, 1970

Re: Application for Permit No. 95-7063

C
O
P
Y

U.S.D.A., Forest Service
Coeur d'Alene Nursery
Coeur d'Alene National Forest
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

Enclosed please find a copy of the letter forwarded to you on August 5, 1969.

We fail to find a response to this 1969 letter in our files. May we please hear from you regarding this matter as soon as possible.

Your cooperation in this matter is most appreciated.

Very truly yours,

Donald W. McEldowney
Appropriation Supervisor

DWM:DR
Enclosure

5 7063

DON SAMUELSON
GOVERNOR



R. KEITH HIGGINSON
State Reclamation Engineer

STATE OF IDAHO

DEPARTMENT OF RECLAMATION
STATEHOUSE - ANNEX 2
BOISE, IDAHO 83707

August 5, 1969

Re: Application for Permit No. 95-7063

U. S. D. A., Forest Service
Coeur d'Alene Nursery
Coeur d'Alene National Forest
Box 310
Coeur d'Alene, Idaho 83814

Gentlemen:

The Department of Reclamation is ready to take final action on your application for permit no. 95-7063. Having reviewed your other water rights in comparison with the quantity of water you have requested, we find that with the two previous licenses that you have, G-29085 and G-30401, you hold a licensed right for 198 acres and 168 miners' inches or a total of 3.36 cubic feet per second.

Under Idaho State Law, the maximum rate of diversion the Department can approve under normal circumstances is 1/50 cubic foot per second per irrigated acre or in other words, one miners' inch per irrigated acre from each specific source. As your present application and your previous applications are all from a groundwater source and we have not been advised as to unusual soil requirements or methods of operation requiring more than the maximum legal rate of diversion, the maximum we can consider approving under this current application is .80 cubic foot per second or an additional 40 inches of water. This would cover the increase of 10 acres proposed under the application and the additional 30 inches that had not been previously licensed for the original 198 acres.

If this proposal is adequate and acceptable, please advise us by return mail and we will continue processing the application and take final action with reference to .80 cubic foot per second, instead of the 4.6 cubic feet per second. If not, please supply additional information that will assist us in justifying the large quantity of water.

If we can be of further assistance, please contact us.

Very truly yours,

Donald W. McEldowney
Appropriation Examiner

95 7063

DWM:tg

**NOTICE OF APPLICATION
FOR WATER**

Notice is hereby given that USDA, Forest Service, Coeur d'Alene Nursery, Coeur d'Alene National Forest, Box 310, Coeur d'Alene, Idaho has on May 7, 1969 applied for permit under application No. 95-7063 to divert 4.46 cubic feet per second of water from a groundwater source.

Water will be diverted by well, pump, motor and pipe within the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, T. 51 N, R. 4 W, B.M., Kootenai County and is to be used from April 1 to October 1 for irrigation in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 3, T. 50 N, R. 4 W, B.M. and SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34, T. 51 N, R. 4 W, B.M.

Any protest against this application must be filed with the Department of Reclamation within ten days from the last date of this notice.

R. KEITH HIGGINSON
State Reclamation Engineer
June 26, July 3, 1969.

June 19, 1969

Re: Application for Permit No. 95-7063-Forast Service-Coeur d'Alene, Idaho

Coeur d'Alene Press
Coeur d'Alene, Idaho

Gentlemen:

Enclosed you will find a legal notice which we wish to have published once a week for two consecutive weekly issues of your newspaper. We have inserted the publication dates allowing ample time for you to submit us a galley proof for review before publication.

After sending us a galley proof, proceed with the publication on the dates we have inserted assuming the notice is correct. If we have any corrections, we will notify you before the first publication date. If you cannot publish the notice on the proposed dates please contact us immediately.

An affidavit of publication must be submitted to the Department of Reclamation, along with the publication bill. In order to receive payment, the following certification must appear on the bill:

I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of same has been paid.

Signature of claimant

Very truly yours,

Donald W. McEldowney
Appropriation Examiner

DWM:tg
Enc: Legal notice (1)

95 7063

NOTICE OF APPLICATION FOR WATER

Notice is hereby given that USDA, Forest Service, Coeur d'Alene Nursery
Coeur d'Alene National Forest, Box 310/ Coeur d'Alene, Idaho May 7, 1969
has on

applied for permit under application No. 95-7063

to divert ~~about~~ 4.46 cubic feet per second ~~about~~

of water from _____ a groundwater source .

Water will be diverted by _____ well, pump, motor and pipe

within the SW¹/₄SW¹/₄, Sec. 34, T. 51 N. R. 4 W. B. M., Kootenai county

and is to be used from April 1 to October 1 for irrigation

in the NE¹/₄SW¹/₄, Sec. 3, T. 50 N. R. 4 W. B. M. and SW¹/₄, SW¹/₄SW¹/₄, Sec. 34;

T. 51 N. R. 4 W. B. M.

Any protest against this application must be filed with the Department
of Reclamation within ten days from the last date of this notice.

R. KEITH HIGGINSON
State Reclamation Engineer

Published in the Coeur d'Alene Press, Coeur d'Alene, Idaho,

on June 26 and and / July 3, 1969

May 7, 1969

RE: Application for permit for water right
located at Coeur d'Alene Nursery.

U. S. Department of Agriculture
Forest Service
P. O. Box 310
Coeur d'Alene, Idaho 83814

Dear Sir:

Enclosed is Purchase Order No. 6P 59-577 which has
been signed by R. Keith Higginson, State Reclamation
Engineer. We are retaining the application in lieu of
the \$40.00 fees.

Very truly yours,

M. RUSSELL BOSCH
Administrative Assistant

MRB:ejw

Enclosure

95 7063

C
O
P
Y