

Water Right Number 4385-3

1. Considered MARCH 28, 19 79
2. Name of Applicant S.D. DEPT. WILDLIFE, PARKS & FORESTRY
3. Post Office Address PIERRE
4. Amount of water claimed 3.57
5. Source of water supply 55' & 56' WELL. - PROPOSED 3RD 49'
6. Water to be used for FISH HATCHERY

Acres to be irrigated —

7. Water to be diverted and used in DAY County
about NW Edge of Blue Dog Lake of

8. Proof of Publication Received 3-15-79

Not received

9. Application Approved 3-28-79

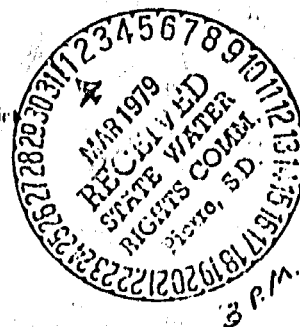
Subject to 11.11.11 0.5/100/

Not approved

Action deferred

10. Remarks:

Map No. 3575-3 Water Division No. 3 BIG SIOUX RIVER District 1
(Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Department of Wildlife, Parks & Forestry
Postoffice address Anderson Building, Pierre, State SD 57501

If a corporation show date and place of incorporation

2. Method of accomplishing work (contract, employment of others, or by direct labor) contract3. Name of diversion work Blue Dog Lake State Fish Hatchery4. Amount of water claimed (cubic feet per second) 3.575. Source of water supply groundwater, 3 wells with storage ponds of 450 ac ft annually6. Location of point of diversion S½ SE¼ Sec. 21-T122-R54 (WELLS) WITH STORAGE PONDSIN SW¼SW¼, SEC. 21 E NW¼NW¼, SEC. 28, ALL IN T122N-R54W.County Day7. Annual period or periods during which water is to be used continuously8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Fish Hatchery9. For irrigation use, Total number of acres to be irrigated 4

List below each forty acre subdivision, or lot, or fraction thereof, and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 4 years.

11. Choice of newspaper for Notice of Intent to Appropriate Water publication Larry Ingalls, Reporter & Farmer12. Principal Features of the Proposed Water Supply System. under 572

A. Works proposed to divert water from its natural source.

pump

B. Works proposed to transport water to place of use.

pipeline

C. Works proposed to apply water to beneficial use.

rearing pondsEstimated Total Cost \$

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

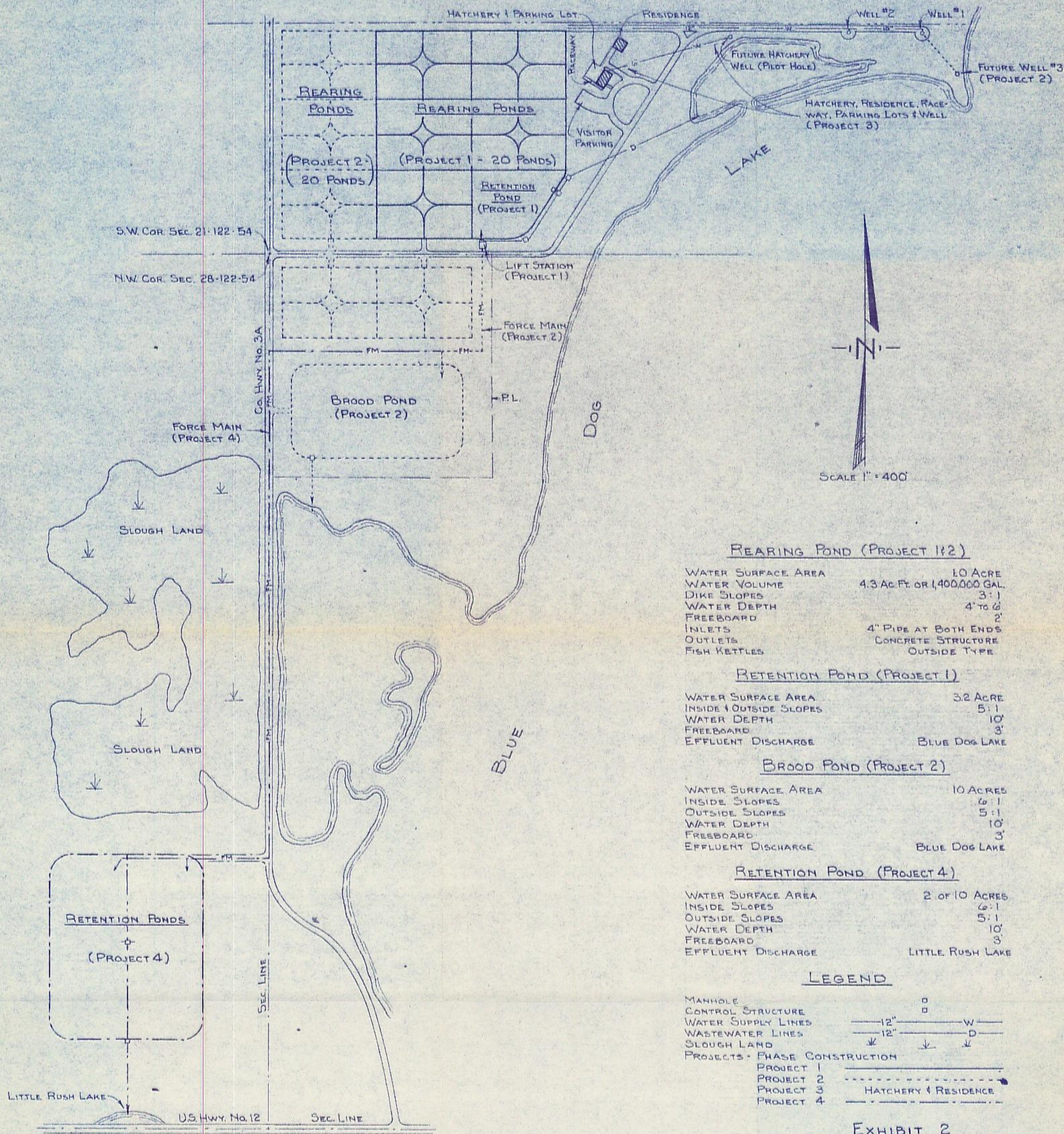
STATE OF SOUTH DAKOTA

County of HughesI, DWPE: Robert L. Hanten

the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed Betty WestlundSubscribed and sworn to before me this 1st day of March, 19 79

Betty Westlund
Notary Public (or other qualified officer)
Betty Westlund
Water Rights Specialist



LAYOUT PLAN

EXHIBIT 2

SCHEMATIC LAYOUT PLAN			
FISH CULTURE FACILITIES			
BLUE DOG LAKE			
SCHMITZ, KALDA & ASSOCIATES			
ENGINEERS & LAND SURVEYORS		SIOUX FALLS, S. DAK.	
DESIGNED BY DCK	DRAWN BY DDH	SCALE 1" = 400'	DATE 8-1-74
CHECKED BY DCK	FIELD DATA DWD	SHEET 2 OF 3 SHEETS	FILE NO. 60

DATE	ITEM	REMARKS	BY
REVISIONS			

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4385-3
S.D. DEPT. WILDLIFE, PARKS & FORESTRY, ANDERSON, BLDG., PIERRE
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57501 With the following modifications:
 (State)

The ~~well~~ well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The ~~well~~ well owner, under this Permit, shall control his ~~withdrawals~~ withdrawals so there is not a reduction of needed water supplies in adequate domestic wells.

Date of first receipt of application MARCH 1, 19 79
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application _____, 19 ____
 Approved MARCH 28, 19 79, Recorded in Book 20 Page 281

WATER RIGHT PERMIT NO. 4385-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4385-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is MARCH 1, 19 79
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPT. 28, 19 81
3. The whole of said work is to be completed on or before MARCH 28, 19 84
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 28, 19 88
5. The water appropriated shall be used for the purpose of A FISH HATCHERY
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 3.57 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for ~~beneficial use~~ USED FOR A FISH HATCHERY ~~and if for the irrigation purpose said appropriation must be limited to not more than 2 acre feet per acre per year and be limited to not more than 100 cubic feet of water per acre of time for each acre of land to which water is~~ actually and beneficially ~~used for irrigation~~ on or before MARCH 28, 19 88; said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 10th day of APRIL, 19 79

WATER RIGHTS COMMISSION

By:

John M. [Signature]
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

See also
 44470-3

APPENDIX C

PRODUCTION TEST WELLS BLUE DOG LAKE DAY COUNTY, SOUTH DAKOTA

GENERAL INFORMATION

Well Driller: Minnesota Drillers
Method: Reverse Rotary

Well No. 1.

Log	0' - 2'	Topsoil
	2' - 17'	Sandy Yellow Clay
	17' - 21'	Sand & Gravel
	21' - 23'	Clay
	23' - 36'	Medium to Coarse Sand
	36' - 40'	Fine Sand
	40' - 48'	Coarse Gravel
	48' - 60'	Medium to Coarse Gravel
	60' - 68'	Grey Clay

Well Construction - 20 feet of 12-inch pipe size, stainless steel screen from 36' to 56'. 12" casing to 3 feet above ground level.

Well No. 2.

Log	0' - 2'	Topsoil
	2' - 15'	Sandy Yellow Clay
	15' - 17'	Grey Clay
	17' - 21'	Sand
	21' - 26'	Grey Clay
	26' - 45'	Coarse Sand
	45' - 56'	Medium Sand

Well Construction - 20 feet of 12" pipe size, stainless steel screen from 36' to 56'. 12" casing to 3 feet above ground level.

Pilot Hole No. 3.

Log	0' - 2'	Topsoil
	2' - 14'	Sandy Yellow Clay
	14' - 32'	Gray Clay
	32' - 49'	Sand

RESULTS OF 24 HOUR PUMPING TESTS

Date	Pumping Rate (GPM)	Static Water Level (Feet) *	Maximum Drawdown (Feet)			GPM/Ft.
			Pumped Well	Observation Well	Other Well	
<u>WELL NO. 1</u>						
12-10-73	375	10.8	6.3	2.8		59.5
1-2-74	725	10.0	16.0	6.3	3.9	47.4
1-8-74	725	9.8	16.3	6.3	6.0	44.5
<u>WELL NO. 2</u>						
1-28-73	725	8.3	25.3	4.5		26.7
1-9-74	725	7.9	26.1	5.7	4.3	27.8

*Distances to Static Water Level are measured from the top of the well casing which is approximately 3 feet above ground level.

NOTE: In all five pumping tests the drawdown ceased after 13 to 16 hours of pumping. This indicates that the wells are being recharged at a rate equal to the pumping rate.

Machine Address:
 1000 Lake St.
 St. Paul, Minn. 55165

SAND ANALYSIS

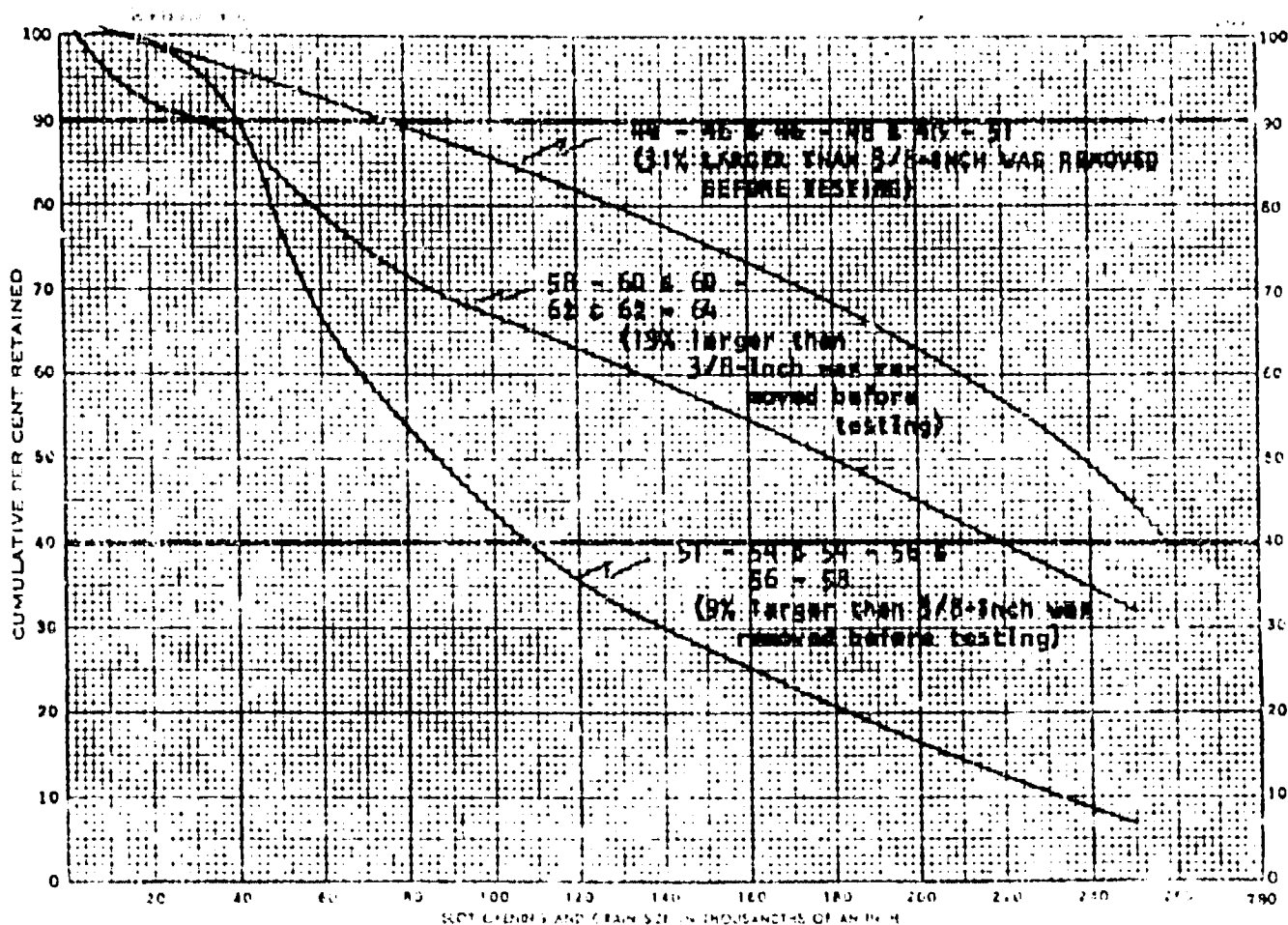
Johnson Division
 Universal Oil Products Co.
 1950 Old Highway 8
 Saint Paul, Minnesota

Sample sent in by Minnesota Drillers

Location Madison State Minnesota Date 27 Nov. 1973

From well of Blue Dog Lake near Waubay, So. Dak. Well No. 1

Remarks SWL = 6 feet Did not test 42 - 44 (very fine) and 64 - 66 (very coarse)



SLIT OPENINGS	CUMULATIVE PER CENT RETAINED		
260	51 - 58	58 - 64	44 - 51
180	19	49	66
150	32	61	80
125	48	76	87
100	62	95	95
80	92	97	97
60	98	98	98
40			
20			
10			
5			
2.5			
1.25			
0.625			
0.3125			
0.15625			
0.078125			
0.0390625			
0.01953125			
0.009765625			

Notes: _____
 Recommended Slot Opening #80 (0.090-inch)
 Recommended Screen: Dia. 1 1/2 in. Length 20 Ft.
Set from 36' to 56'
 By WJ

SO MANY CONSIDERATIONS ENTER INTO THE MAKING OF A GOOD WELL THAT, WHILE WE BELIEVE SLOT SIZES FURNISHED OR RECOMMENDED FROM SAND SAMPLES ARE CORRECT WE ASSUME NO RESPONSIBILITY FOR THE SUCCESSFUL OPERATION OF SAND WELL SCREENS

WELL No 1

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth _____
- (2) Casing, Type _____ (wood, concrete, steel, etc) Diameter _____ Thickness _____
- (3) Perforated Screen, _____
Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

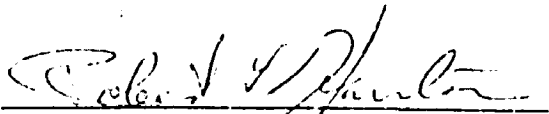
Depth to water (ground surface to water level) _____

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property _____ rds. On property owned by others _____ rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.


Signature of Applicant

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth _____
- (2) Casing, Type _____ Diameter _____ Thickness _____
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type _____, Diameter _____, Length _____
- (4) Gravel Pack. Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

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Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

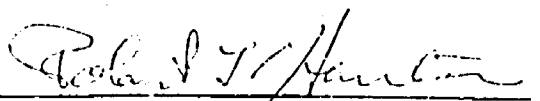
Depth to water (ground surface to water level) _____

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property _____ rds. On property owned by others _____ rds.

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Signature of Applicant

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D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth _____
- (2) Casing, Type (wood, concrete, steel, etc) Diameter _____ Thickness _____
- (3) Perforated Screen
- Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

- (2) Distance to nearest existing household or livestock watering wells.

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Signature of Applicant

No. 4385-3

Publish first publication, on or before March 14, 1979

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

March 6, 1979

Notice is hereby given that the Dept. Wildlife, Parks & Forestry whose post office address is Pierre, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 3.57 cubic feet of water per second of time from ground water (3 wells) through the Blue Dog Lake State Fish/ Hatchery, the point(s) of diversion of which ~~is~~(are) to be located in the S½ SE¼, Section 21 with storage ponds located in SW¼ SW¼, Section 21 and NW¼ NW¼, Section 28 all in of Section , Twp. 122N, Range 54W. Said water to be used for the purpose of providing ~~irrigation on portions of the following described lands~~ water for operation of a fish hatchery.

This Application No. 4385-3 will be considered by the Water Rights Commission at the City Hall Community Room 222 East Dakota, Pierre, SD upon the 28 day of March, 1979

at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Commission may be appealed to the Courts as provided by law.

WATER RIGHTS COMMISSION

BETTY WESTLUND
Water Rights Specialist

cc: Dept. Wildlife, Parks & Forestry, Anderson Bldg. Pierre, SD

No. 4385

W,P&F files
for water use

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
Day) ss.
County)

I, Larry Ingalls hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Reporter and Farmer

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

City of Webster

County of Day and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

March 14, 1979

March 21, 1979

Larry Ingalls

(Signature)

Editor

(Title)

March 14, 1979

(Date Signed)

(First March 14)

NO. 4385-3

NOTICE OF HEARING
ON APPLICATION
TO APPROPRIATE WATER
Pierre, South Dakota 57501
March 6, 1979

Notice is hereby given that the
Dept. Wildlife, Parks and
Forestry whose post office ad-
dress is Pierre, South Dakota,
has made an application in ac-
cordance with the provisions of
SDCL 46-1-1 thru 46-1-9, 46-1-14;
46-2-9 thru 46-2-11, 46-2-13; 46-5-1
thru 46-5-8; 46-5-10 thru 46-5-22, 46-
5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-
6.1, 46-6-10, 46-6-14 and Com-
mission Rules ARSD 52:01:01 thru
52:01:01:13, for a permit to
appropriate for beneficial use
3.57 cubic feet of water per
second of time from ground
water (3 wells) through the Blue
Dog Lake State Fish Hatchery,
the point(s) of diversion of which
are to be located in the S½ SE¼,
Section 21 with storage ponds
located in SW¼ SW¼, Section 21
and NW¼ NW¼, Section 28 all in
Twp. 122N, Range 54W. Said
water to be used for the purpose
of water for operation of a fish
hatchery.

This Application No. 4385-3 will
be considered by the Water
Rights Commission at the City
Hall Community Room, 222 East
Dakota, Pierre, S.D., upon the
28th day of March, 1979 at 10 A.M.
The Commission is authorized to
make a determination on this
application at the hearing. All
interested persons may appear
and be heard. Any person who
may be affected by a Commission
decision who desires to present
evidence or cross-examine
witnesses according to SDCL 1-25
may notify the Commission in
writing prior to the hearing or
orally at the hearing.

This hearing is an adversary
proceeding. Any person has the
right to be present or to be
represented by a lawyer. These
and other due process rights will
be forfeited if they are not
exercised at the hearing.
Decisions of the Commission may
be appealed to the Courts as
provided by law.

WATER RIGHTS
COMMISSION

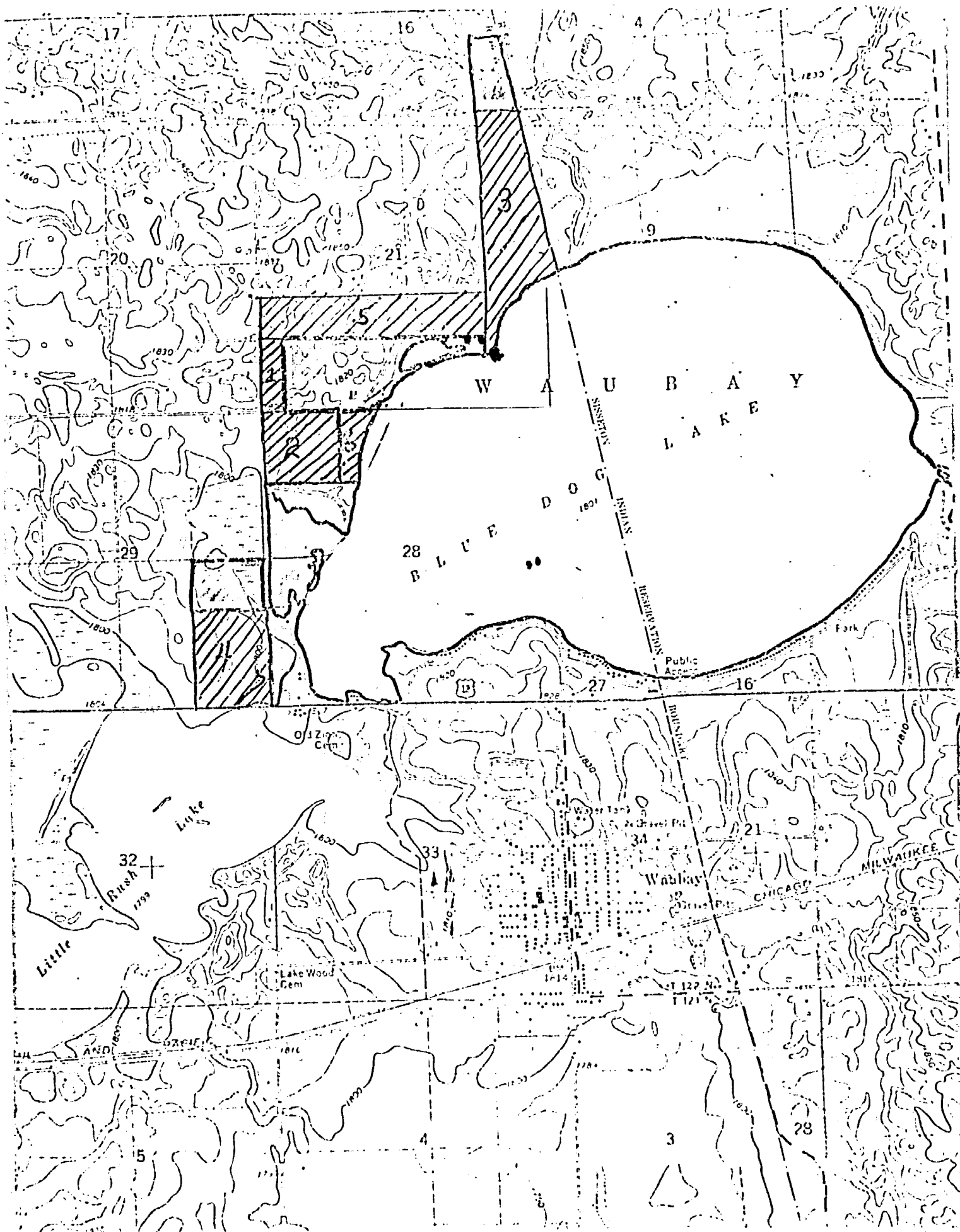
Betty Westlund

Water Rights Specialist

cc: Dept. Wildlife, Parks and
Forestry, Anderson Bldg.,
Pierre, S.D.

(Last March 21)







**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

MAR 12 2003

6357-3

SD Dept of Game Fish & Parks
523 E Capitol
Pierre SD 57501

Dear Sir:

Enclosed is Water Permit and Water License No. 6357-3. The water license is the final water right document completing your process of obtaining a Water Right.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

NOTE: The applicable portions of No. 4385-3 and 4470-3 are incorporated into Water License No. 6357-3.

enclosures