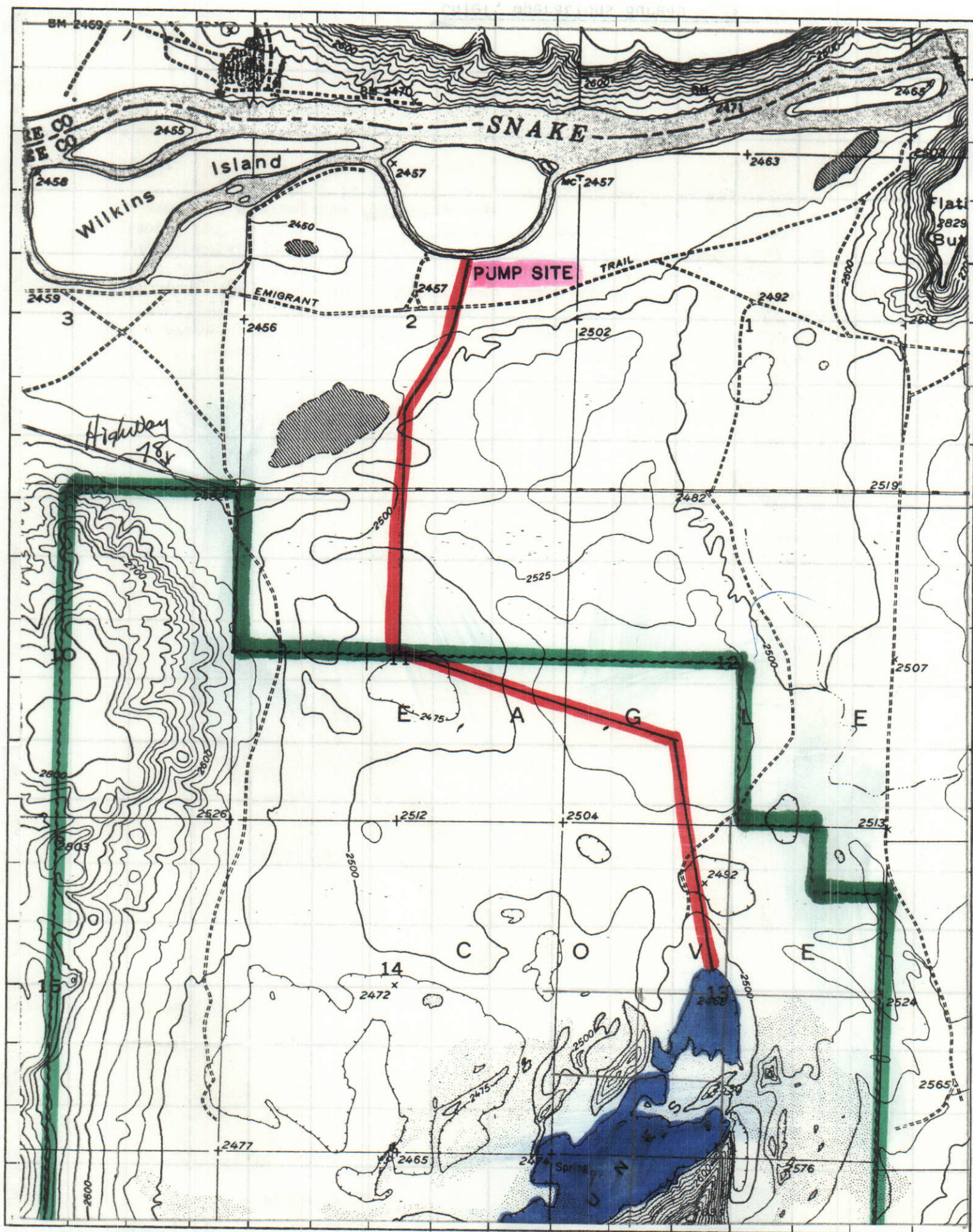


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



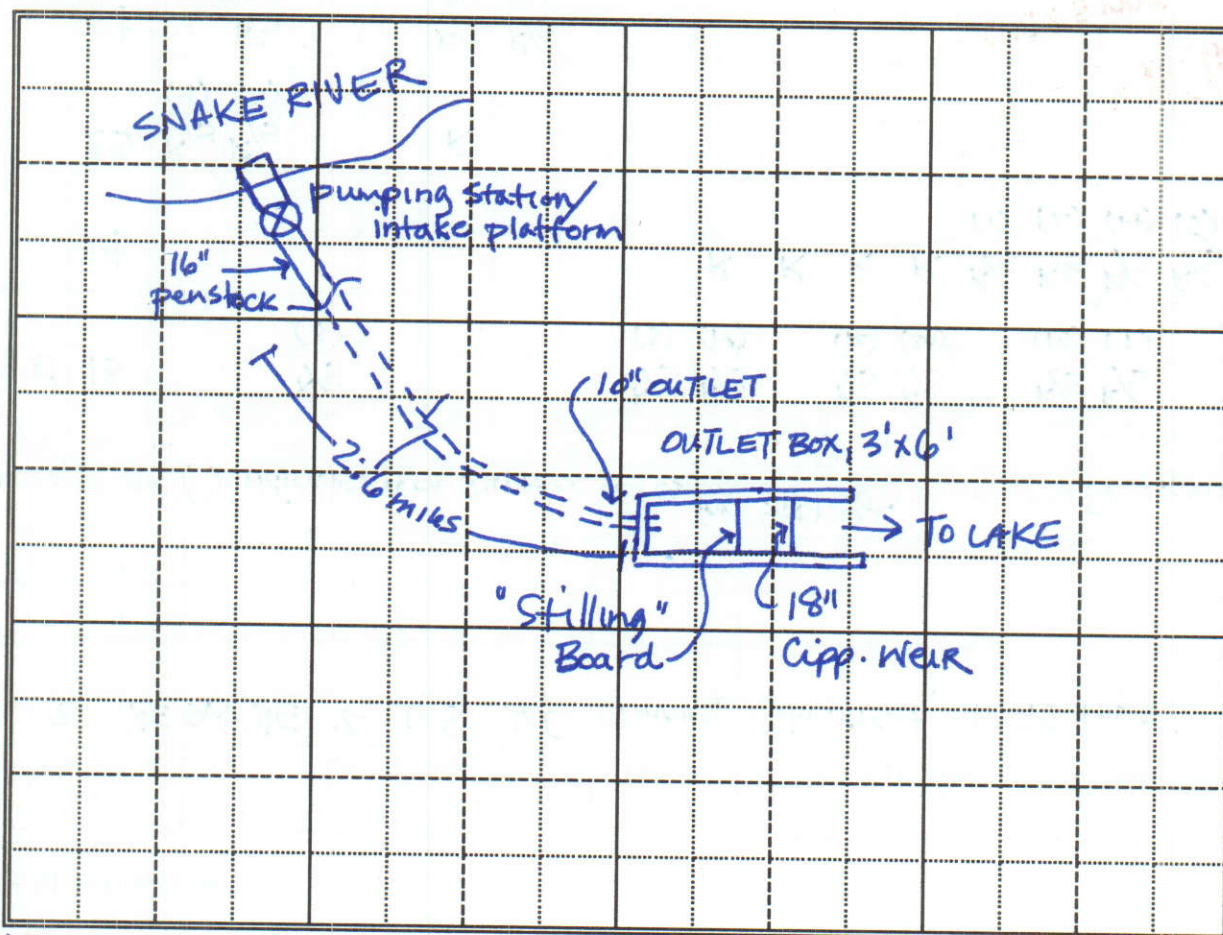
Scale: 2 inches equal 1 mile.

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.

Robert Meiner
 Director (Applicant)
 Dept. of Parks & Rec

MICROFILMED

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



Scale: 1" = NTS

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

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

Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	USMotors	30	R7184-04-311	Layne	16" to 10" at outlet

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

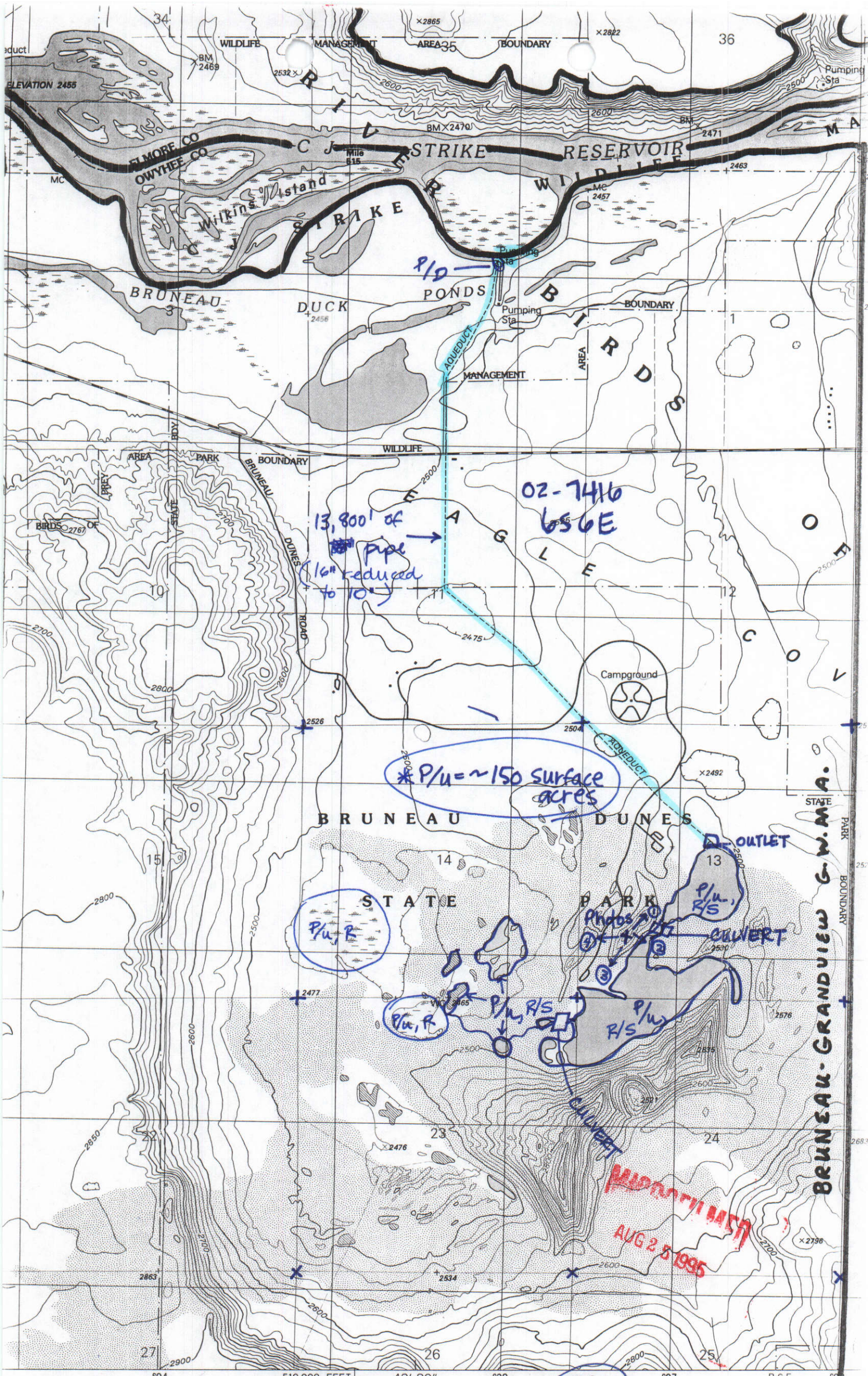
D. FLOW MEASUREMENTS

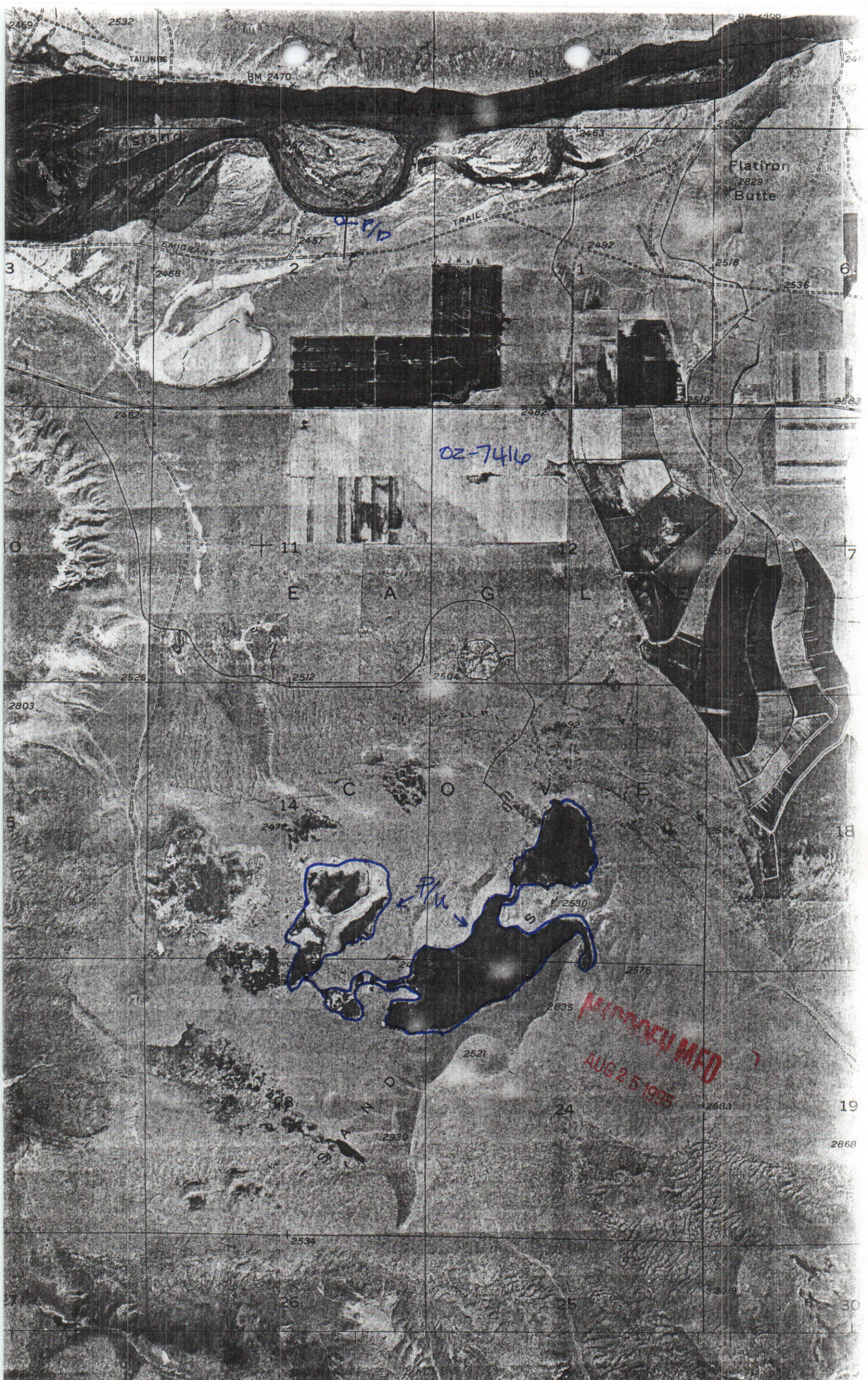
1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
WEIR	Cipp.				18"	
Staff gage					12"	

2. Measurements: 18" weir, 0.5' head = 1.79 cfs from water measurement book rating table. Mounted staff verified w/ hand-held staff measure. Looked at pump curve in park files. (Layne #18-101 1760 rpm). At T₀ = 95', rated 900 gpm or 7.0 cfs.

AUG 25 1995





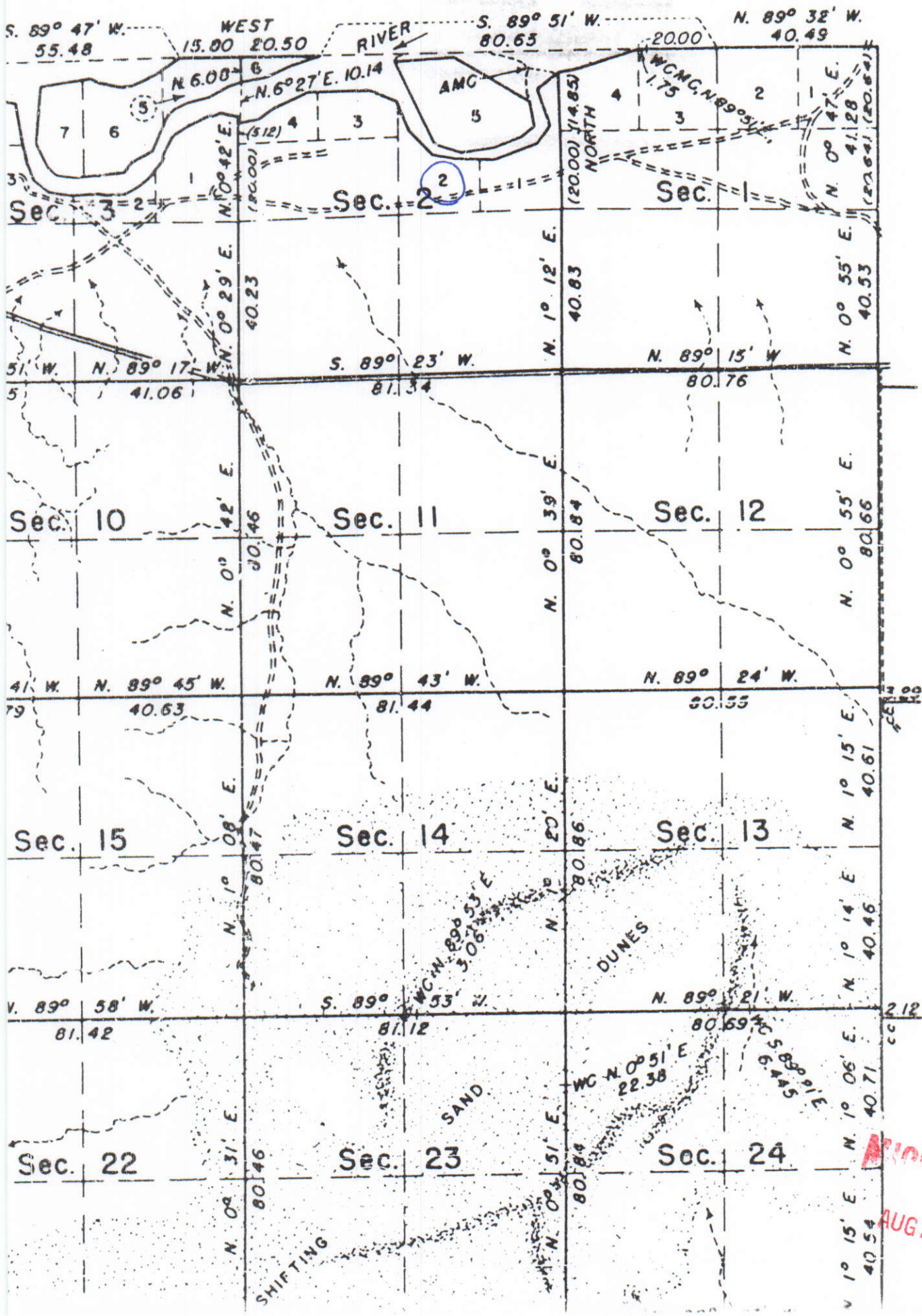
510 000 FEET

SCALE 1:24 000

1972

1 MILE

62-7416



Sec. 6

Sec. 7

Sec. 18

Sec. 19

lines
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plat
prop
veyin
show
small

1806

02-7416



P/D



P/D &

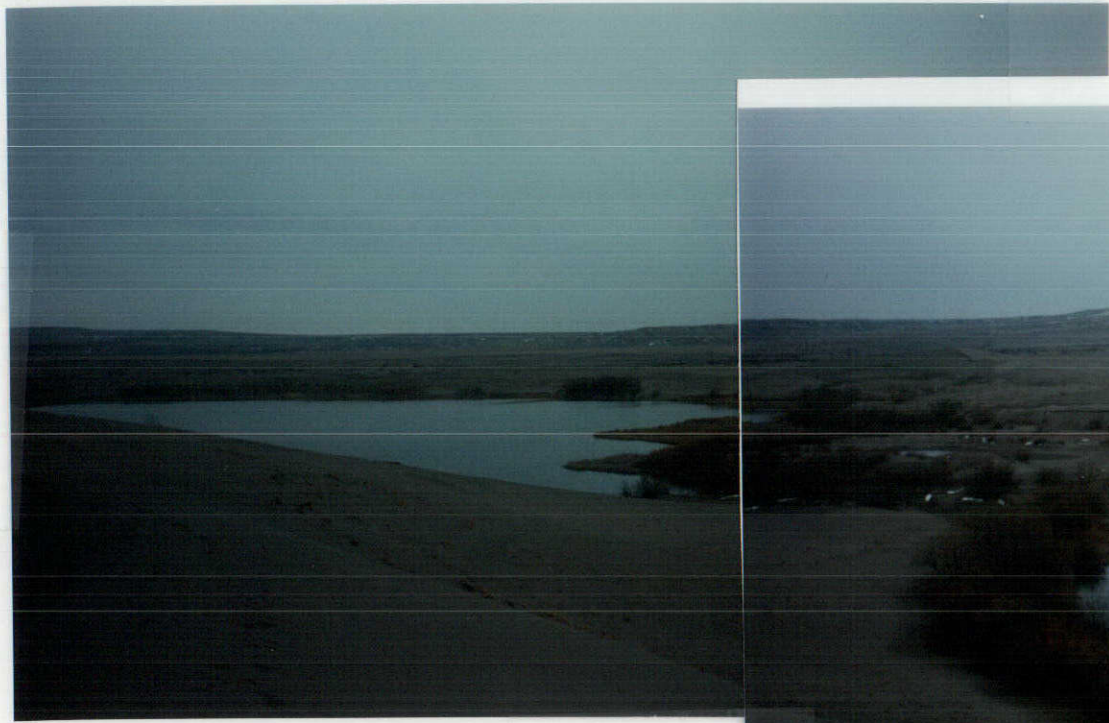
Neighboring
Pump (F&G)



Outlet Box
& weir

UNRECORDED

AUG 25 1995



P/u Photos 1&2 (see map)

AUG 25 1995

11/11/11

02-7416



P/u Photos 3 & 4 (see map)

AUG 25 1985

02-7416

The Owyhee Avalanche

P.O. BOX 97

HOMEDALE, IDAHO 83628

208/337-4681

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
)ss.
COUNTY OF OWYHEE)

I, Joe E Aman, being first duly sworn, depose and say:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was and now am over the age of twenty-one years, not a party to nor interested in the proceedings hereinafter mentioned.

2. That during the time of the publication of the notice hereinafter mentioned, I was and now am the publisher of The Owyhee Avalanche, a newspaper of general circulation printed and published weekly, Wednesday of each and every week, in the City of Homedale and County of Owyhee and State of Idaho.

3. That the said The Owyhee Avalanche, a continuation of the Owyhee Chronicle and the Owyhee Nugget, has been printed and published continuously and uninterruptedly in said County during a period of seventy-eight weeks prior to the first publication of the attached notice.

4. That said notice of which a printed copy, taken from said newspaper, is hereto affixed, was published in the regular issue thereof, and not in a supplement

thereto, in said newspaper, in two (2) (consecutive)
calendar weekly issue(s) of said newspaper, in the following date(s):

April 17, 1985

April 24, 1985

(Signed).....

Joe E Aman

Subscribed and sworn to before me this 24th day of April
A.D., 1985

Delora E. Bensen

Notary Public in and for the State of Idaho,

residing at Homedale, Idaho.

My commission expires March 26, 1988

NOTICE OF APPLICATION FOR WATER RIGHT

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

02-7416 ✓ JP

STATE OF IDAHO

DEPT. OF PARKS &
RECREATION, Statehouse, Boise,
ID 83720

Source: SNAKE RIVER trib. to
COLUMBIA RIVER

Date Filed: 04/04/1985

Diversion Pt: SWNE Sec 02 T 06S R
06E

Use:

WILDLIFE (3.00 CFS)

WILDLIFE STORAGE (300.0 AF)

RECREATION (3.00 CFS)

RECREATION STORAGE (300.0 AF)

DIVERSION TO

STORAGE (3.00 CFS)

In: SENW NESW SWSW SESW

NWSE Sec 13 T 06S R 06E SESE Sec

14 T 06S R 06E NENE Sec 23 T 06S R

06E NENW NWNW Sec 24 T 06S R

06E

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 6, 1985.

Ken Dunn, Director

Publish 04/17 & 04/24/15 2t

MICROFILMED

RECEIVED
APR 26 1985

Department of Water Resources
Western Regional Office

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 02-07416

Priority: April 4, 1985

Maximum Diversion Rate:

1.95 CFS

Maximum Diversion Volume:

881.9 AF

This is to certify, that STATE OF IDAHO
DEPT OF PARKS & REC
STATEHOUSE
BOISE ID 83720

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated April 4, 1985; and
has submitted Proof of Beneficial Use on February 12, 1991. An examination indicates
that the works have a diversion capacity of 1.950 cfs of water from:

SNAKE RIVER

tributary to COLUMBIA RIVER

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>
WILDLIFE	10/01 to 05/15	1.95 CFS	881.9 AF
WILDLIFE STORAGE	01/01 to 12/31		300.0 AF
RECREATION	10/01 to 05/15	1.95 CFS	881.9 AF
RECREATION STORAGE	01/01 to 12/31		300.0 AF
DIVERSION TO STORAGE	10/01 to 05/15	1.95 CFS	
	Totals	1.95 CFS	881.9 AF

LOCATION OF POINT(S) OF DIVERSION: Lot 2(SWNE), Sec. 2, Township 06S, Range 06E
OWYHEE County

PLACE OF USE: WILDLIFE

TWN RGE SEC

06S 06E 13	SWNE	SENW	NESW
	SWSW	SESW	NWSE
	SWSE		
14	NESW	NWSW	SWSW
	SESW	NESE	NWSE
	SWSE	SESE	
23	NENE	NWNE	NENW
24	NWNE	NENW	NWNW

PLACE OF USE:

RECREATION, same as WILDLIFE use

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.

State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**

WATER RIGHT NO. 02-07416

CONDITIONS/REMARKS:

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. Water shall not be diverted under this right unless the flow of the Snake River exceeds established downstream minimum stream flows.
6. The point at which the water is diverted into the system of ponds is located within SENW, S13, T06S, R06E.
7. Place of use is located within Bruneau Dunes State Park.

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 24th day of August, 1995.


Acting to: KARL J. BREHER, Director

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 02-07416

RECEIVED
AUG 16 1995
Department of Water Resources

Date of Priority: April 4, 1985

Maximum Diversion Rate: 1.95 CFS
Maximum Diversion Volume: 881.9 AF

Comes now STATE OF IDAHO
DEPT OF PARKS & REC
STATEHOUSE
BOISE ID 83720

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 02-07416, and requests that the permit be changed as follows:

Source: SNAKE RIVER

tributary to COLUMBIA RIVER

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
WILDLIFE	10/01 to 05/15	1.95 CFS	881.9 AF
WILDLIFE STORAGE	01/01 to 12/31		300.0 AF
RECREATION	10/01 to 05/15	1.95 CFS	881.9 AF
RECREATION STORAGE	01/01 to 12/31		300.0 AF
DIVERSION TO STORAGE	10/01 to 05/15	1.95 CFS	
Totals		1.95 CFS	881.9 AF

LOCATION OF POINT(S) OF DIVERSION: Lot 2(SWNE), Sec. 2, Township 06S, Range 06E
OWYHEE County

PLACE OF USE: WILDLIFE

TWN RGE SEC

06S 06E 13	SWNE	SENE	NESW
	SWSW	SESW	NWSE
	SWSE		
14	NESW	NWSW	SWSW
	SESW	NESE	NWSE
	SWSE	SESE	
23	NENE	NWNE	NENW
24	NWNE	NENW	NWNW

PLACE OF USE:

RECREATION, same as WILDLIFE use

RECEIVED
AUG 25 1995

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 02-07416

RECEIVED

AUG 16 1995

Department

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

Signed at Borise ID, this 7th day of August, 1995.

Mark H. Meyer
(Signature)

RECEIVED
AUG 25 1995

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 02-07416

RECEIVED

AUG 16 1995

Department of Water Resources

FOR DEPARTMENT USE ONLY

Preliminary check by _____ Fee = 500 Received 8033394 RT Date 8/15/95

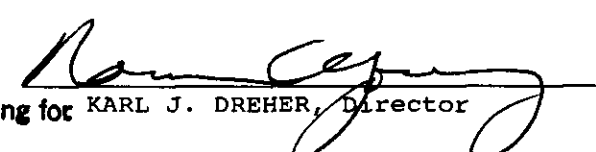
ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, Karl J. Dreher, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 02-07416 with the following;

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. Water shall not be diverted under this right unless the flow of the Snake River exceeds established downstream minimum stream flows.
6. The point at which the water is diverted into the system of ponds is located within SENW, S13, T06S, R06E.
7. Place of use is located within Bruneau Dunes State Park.

Witness my hand this 24TH day of August, 1995.


Acting for KARL J. DREHER, Director

AUG 25 1995

RECEIVED
FEB 12 1991

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

For Office Use Only

Amt. of Fee \$150.00

Date 2/12/91

Receipt No. 6012636

Received by J. Starn

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 02-07416 Telephone No. 334-2154

2. Name(s) of Permit Holder(s): STATE OF IDAHO DEPT. OF PARKS & REC.

3. Post Office Address: STATE HOUSE BOISE, IDAHO 83720

4. Source of Water: SNAKE RIVER

a. If ground water, well driller's name: N.A. Date drilled: N.A.

b. Pump horsepower: 15 HP Pressure (psi): _____ Dynamic pumping level (ft.): _____

5. Extent of Use:

Domestic _____ (No. of households)

Irrigation _____ (No. of acres)

Stockwater _____ (No. and type of stock)

Other 3.0 CFS - 300 A.F.A.
WILDLIFE HABITATE

6. Total rate and/or volume for which proof is submitted 3.0 cfs 300 acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? Yes No Installed? Yes No

OR
Flow Measurement Port: Required? X Yes No Installed? X Yes No

8. Fee Enclosed: \$ _____ (See License Examination Fee Schedule)

9. Person to contact to accompany the Department representative during the field examination:

WES WHITWORTH - MANAGER
Name

366-7919
Telephone No.

BRUNEAU DUNES STATE PARK
Address

RECEIVED
MAR 4 1991

10. The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

2/8/91
Date

Michael A. Mann - Chief Development Bureau
Signature (and title if on behalf of a company or organization)

APPROVED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

RECEIVED
APR 3 1985

To appropriate the public waters of the State of Idaho

Department of Water Resources

1. Name of applicant State of Idaho, Parks & Recreation Phone 334-2154
Post office address Statehouse Mail, Boise, ID 83720
2. Source of water supply Snake River which is a tributary of Columbia River
3. Location of point of diversion is SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 2 Township 6S
Range 6E B.M. Owyhee County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 3 cfs for wildlife purposes from Oct. 1 to May 15 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 3 cfs for recreation purposes from Oct. 1 to May 15 (both dates inclusive)
(cfs or acre-feet per annum) Diversion to _____

Amount 3 cfs for Storage purposes from Oct 1 to May 15 (both dates inclusive)
(cfs or acre-feet per annum) Storage for _____

Amount 300af for Wild/Rec. purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 3.0 cubic feet per second and/or b. 300 acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. 15 hp pump, 3 phase, 440 volts,
2-1/2 miles 16" PVC pipe

N/A 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)

N/A 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: See Item #10 for additional place of use
- (1) Give the place of use of water: SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 13 Township 6S
Range 6E B.M.
- (2) Amount of power to be generated: N/A horsepower under _____ feet of head.
- (3) List number of each kind of livestock to be watered N/A

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

(5) If water is to be used for other purposes describe: Maintain prior levels of ground
water that have been receding in the last four years. To save
the fisheries that have been established here at Bruneau Dunes.

MICROFILMED

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Total number of acres to be irrigated _____

c. Describe any other water rights used for the same purposes as described above. _____

9. a. Who owns the property at the point of diversion B.L.M.

b. Who owns the land to be irrigated or place of use State of Idaho

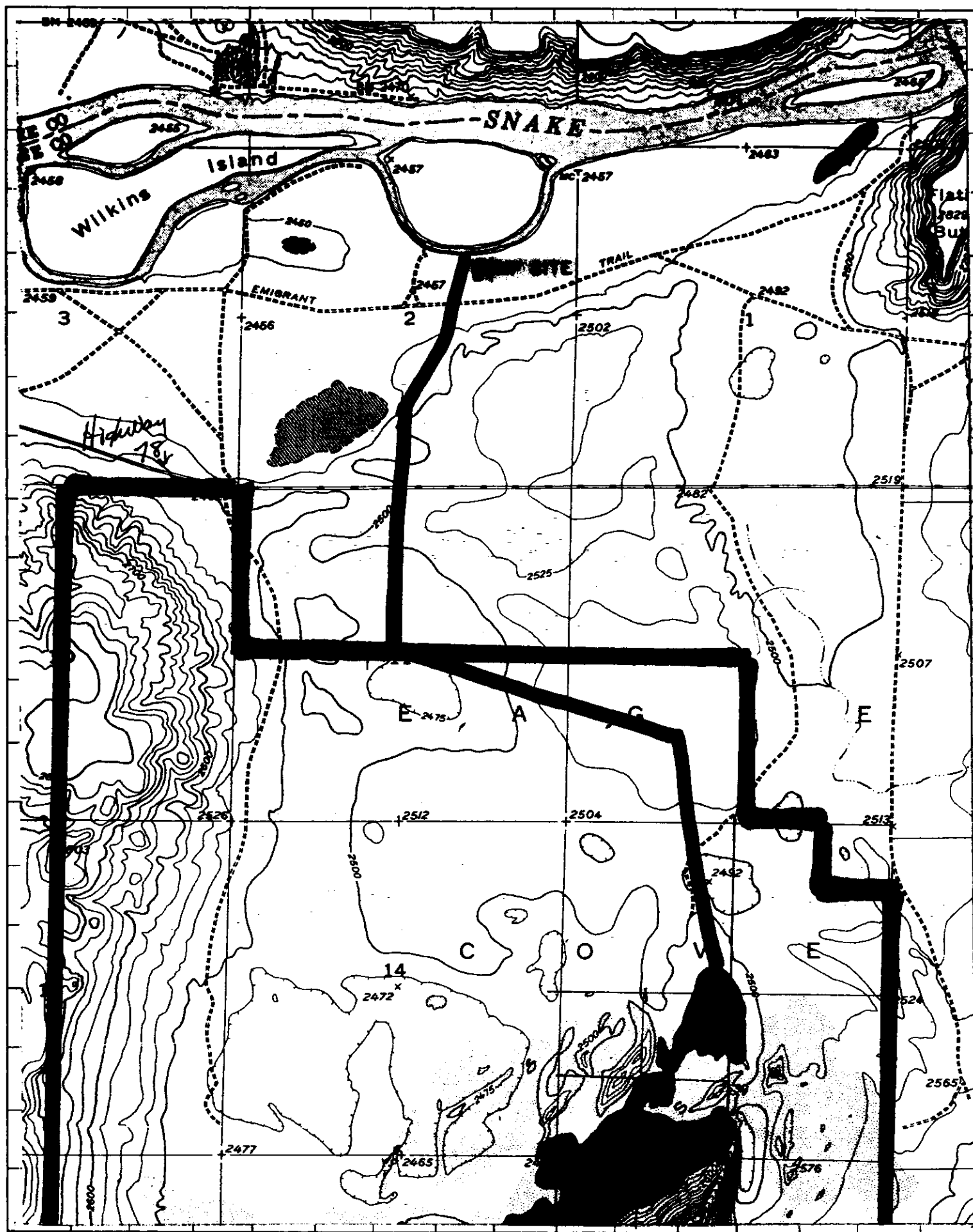
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing _____

10. Remarks Lakes cover approximate area

8a. Township 6S Range 6 E
Section 13 NESW, SWSW, SESW, NWSE
Sec. 14 SESE
Sec. 23 NENE
Sec. 24 NENW, NWNW

Since 1979, the lakes here at Bruneau Dunes have been receding steadily. The fisheries in our small lakes have been eliminated and the two larger lakes are becoming critically low for the survival of fish. Some regeneration of the lakes does occur from Oct. - March but has not been adequate to replenish the normal water levels. At the present rate of water decline, the lakes will be unable to support any type of fishery within 2-3 years. The water diversion would be non-consumptive as the pumped water would only hold ground water at the normal or past levels here at Bruneau Dunes. See attached water right.

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.

Robert Meiner
 Director (Applicant)
 Dept. of Parks & Rec

RECORDED

Proposed Priority 4/4/85

MICROFILMED

Received by mm Date 4-4-85 Time 11:00 A.M.
Preliminary check by 6LS Fee \$ 25.00 , 36039
Receipted by JP Date 4/4/85
Publication prepared by jp Date 4/11/85
Published in Owyhee Avalanche
Publication dates 4/17 & 4/24/85
Publication approved JP Date 4/26/85
Protests filed by: none

Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by DRT kw

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. 02-7415 , 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 91 .
- 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: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
Water shall not be diverted under this permit unless the flow of the Snake River exceeds established downstream minimum stream flows.
The issuance of this permit in no way grants any right-of-way or easement across the land of another.
A flow measurement 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 13th day of March, 1986.

J. Glen Saxton
Chief, Operations Bureau



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

August 24, 1995

STATE OF IDAHO
DEPT OF PARKS & REC
STATEHOUSE
BOISE ID 83720

RE: WATER RIGHT NO. 02-07416

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved Application for Amendment.

Should you have any questions regarding these documents, please contact me.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

RECORDED

AUG 25 1995



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

July 13, 1995

STATE OF IDAHO
DEPT OF PARKS & REC
STATEHOUSE
BOISE ID 83720

RE: WATER RIGHT NO. 02-07416

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed Application for Amendment contains information that will be included on the license when it is issued. The amendment reflects a change in the location of the place(s) of use description. Please review carefully and if you concur, sign the amendment and return with the \$50.00 filing fee within 60 days.

The last page of the Application for Amendment form contains a list of CONDITIONS/REMARKS proposed for the license when it is issued. These conditions/remarks may be modified upon further administrative review.

If you do not concur, or if you have any questions about this information, please contact me as soon as possible. My telephone number is (208) 327-7946.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

AUG 2 5 1995

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 31 1994

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 02-7416

1. Owner: State of Idaho Dept of Parks & Rec. Phone No. 327-7444

Current Address: Statehouse Mail BOISE 83720

2. Accompanied by: Wes Whitworth EXAM DATE: 3/5/93

Address: HC 85 BX 41 Mtn Home ID 83647 Phone No. 366-7919

Relationship to Permit Holder: Park Manager, Bruneau Dunes State Park

3. Source: Snake River tributary to Columbia River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 51-2157 51-2439 51-7009, 51-7026

2. Other water rights with the same point of diversion: 02-7004, 2136, 2174, 7318

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	2	NE	SW	NE	2	6S	6E	Elmore	Site visit, USGS topo

2. Place(s) of Use: () indicates # of surface acres ^{for Storage} Indicate Method of Determination See narrative

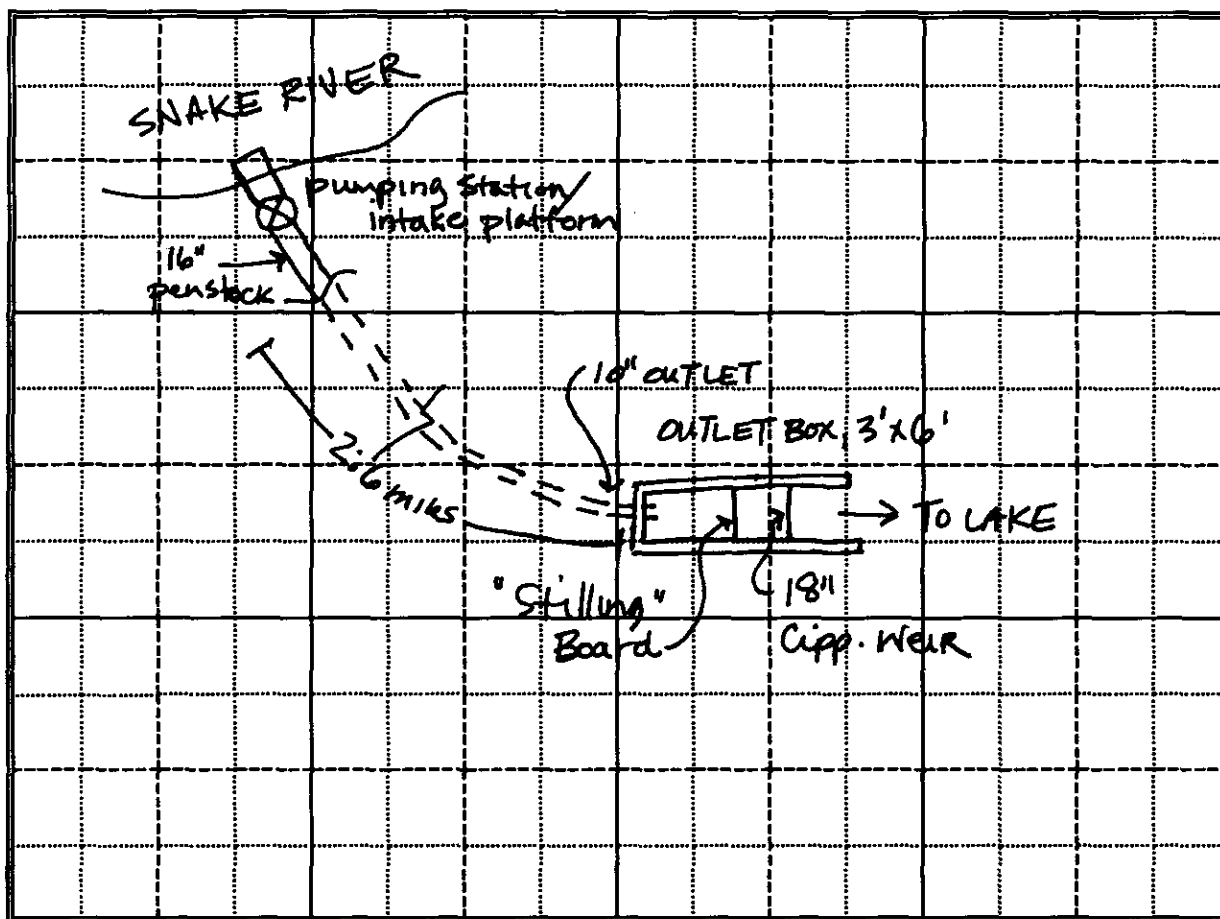
TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6S	6E	13			R/S				R/S		R/S		R/S	R/S		R/S	R/S		
					(3)				(3)		(18)		(12)	(20)		(13)	(7)		
		14									R	R	R	R	R/S	R/S	R/S	R/S	
															(1)	(2)	(14)	(5)	
		23	R/S	R/S			R												
			(9)	(3)															
		24		R/S			R/S	R/S											(151)
				(1)			(9)	(31)											

R = Recreation & wildlife, live flow components
S = Storage for Recreation & wildlife

FILED

5 1995

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



Scale: 1" = NTS

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

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

Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	USMotors	30	R7184-04-311	Layne	16" to 10" at outlet

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Weir	Cipp.				18"	
Staff gage					12"	

2. Measurements: 18" weir, 0.5' head = 1.79 cfs from water measurement book rating table. Mounted Staff verified w/ hand-held Staff measure. Looked at pump curve in park files. (Layne #18-101 1760 rpm). At T₁ = 95', rated 900 gpm or 1.0 cfs.

AUG 25 1995

NARRATIVE AND SYSTEM DESCRIPTION, 02-07416

A Snake River pumping plant with 30 HP pump is used to replenish historic water levels in Bruneau Sand Dunes Lakes. The pump is operational nearly continually during the non-irrigation season, 10/1 to 5/15, to re-fill and maintain the lakes, which are a series of pools derived from physically enhanced natural depressions, and linked by culverts and channels. The lakes were originally fully charged by spring flows. As a result of long-term drought, spring flow has diminished to the point that the shallower pools had dried and the established fishery in the larger pools was jeopardized. Under this permit, there is little to no exiting flow from the area; much of the incoming flow is spent on recharge seepage and evaporation. *Some marshy areas at end of system capture some seepage flows - these shown as "Rec/Wild" only on P/U.*
A buried aqueduct delivers water from the pumping plant to a concrete outlet box at the north end of the lakes. Starting with 16" diameter PVC pipe, the aqueduct runs 2.6 miles (13,800 feet) with three uniform size reductions to 10" pipe at the outlet. An 18" Cippoletti weir is installed in the outlet box and a measurement was taken during the exam.

Permit overlaps and is used with 51-02157 and -02249, licenses which cover live flow and storage for recreation and wildlife uses from the springs which arise in the lake beds and just above the shoreline. 51-02249 was issued for storage of 6500 AF in the lakes; I believe this in excess of the historical capacity of the lakes, even if a surface area reduction due to drought is taken into account. Estimated total lake capacity, based on 2249 license exam and my visit, is:

150 acre surface X 7.5 ft average depth = 1125 AF

(or close) Acreage was obtained through a comparison of the previous exam map, a 1972 USGS orthophotoquad and a 1992 USGS topo. There is no substantial difference in total wetted area among the three maps. The park manager confirmed the average depth of the pools.

This permit was developed and is used for "topping off" the Bruneau Dunes Lakes during the winter months. With the given surface area, 300 AFA storage volume as permitted provides a pool elevation increase of approximately 2 feet over fall base pools, which does not seem unreasonable based on my conversation with Mr. Whitworth. The whole of the diverted volume will be attached to the live flow components, with the difference of the two presumed to be that quantity lost to evaporation or used to recharge the surrounding strata.

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

others insignificant
(02-704 is 1DF4)
AUG 25 1995

F. FLOW CALCULATIONS

~~X~~ Additional Computation Sheets Attached

Measured Method: 1.79 cfs. (+10% possible meas. error = 1.97 cfs)

Check: HP equation $\frac{30 \times 8.8 \times .7}{95} = 1.95$ cfs system capacity
(from pump curve)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$

2. Volume Calculations for Other Uses:

REC/WILD $1.95 \times 228 \times 1.9835 = 881.9$

10/1 to 5/15 = 228 days

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
REC/WILDLIFE	10/1	5/15	1.95	881.9
REC/WILDLIFE STOR	1/1	12/31		300.0
DIY TO STORAGE	10/1	5/15	1.95	
Totals:			1.95	881.9

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

I. AUTHENTICATION

Field Examiner's Name Cindy J. Hodges Date 12/27/93

Reviewer _____ Date _____

SEAL

AUG 25 1995

Cindy believes the 6500 af
issued on 51-02249 was in
excess of the historical capacity
to begin with. She came up with
a calculation of 1125 af for all
the lakes.



MEMORANDUM

TO: File 02-07416 / IDAHO DEPT OF PARKS & RECREATION
(Bruneau Sand Dunes State Park)

FROM: Brenda Chapman

DATE: August 24, 1994

RE: Review Schedule

=====

Further processing of the above referenced right has been delayed until the file can be reviewed by the water right supervisor.

The issue involves whether or not there is an active, flow through component rather than just a diversion to storage situation. We are recommending the diversion to storage scenario.

RECEIVED
AUG 25 1995

Pipeflow Computation Spreadsheet (DRT 12/31/1992)
(CJH 12/27/93 modified)

Data Entered By: Cindy Hodges
12/27/93
Project: Permit No. 02-07416
BRUNEAU DUNES STATE PARK
Given: See Data Table

To Find: Friction Head Losses in Pipeline
Using Estimated Rate of Flow

Compute head losses with the Williams and Hazen Formula:
 $f = 0.2083 \cdot (100/\text{roughness})^{1.85} \cdot (\text{cfs} \cdot 448.8)^{1.852} / \text{ID}^4 \cdot \text{Length} / 100$

Data Table

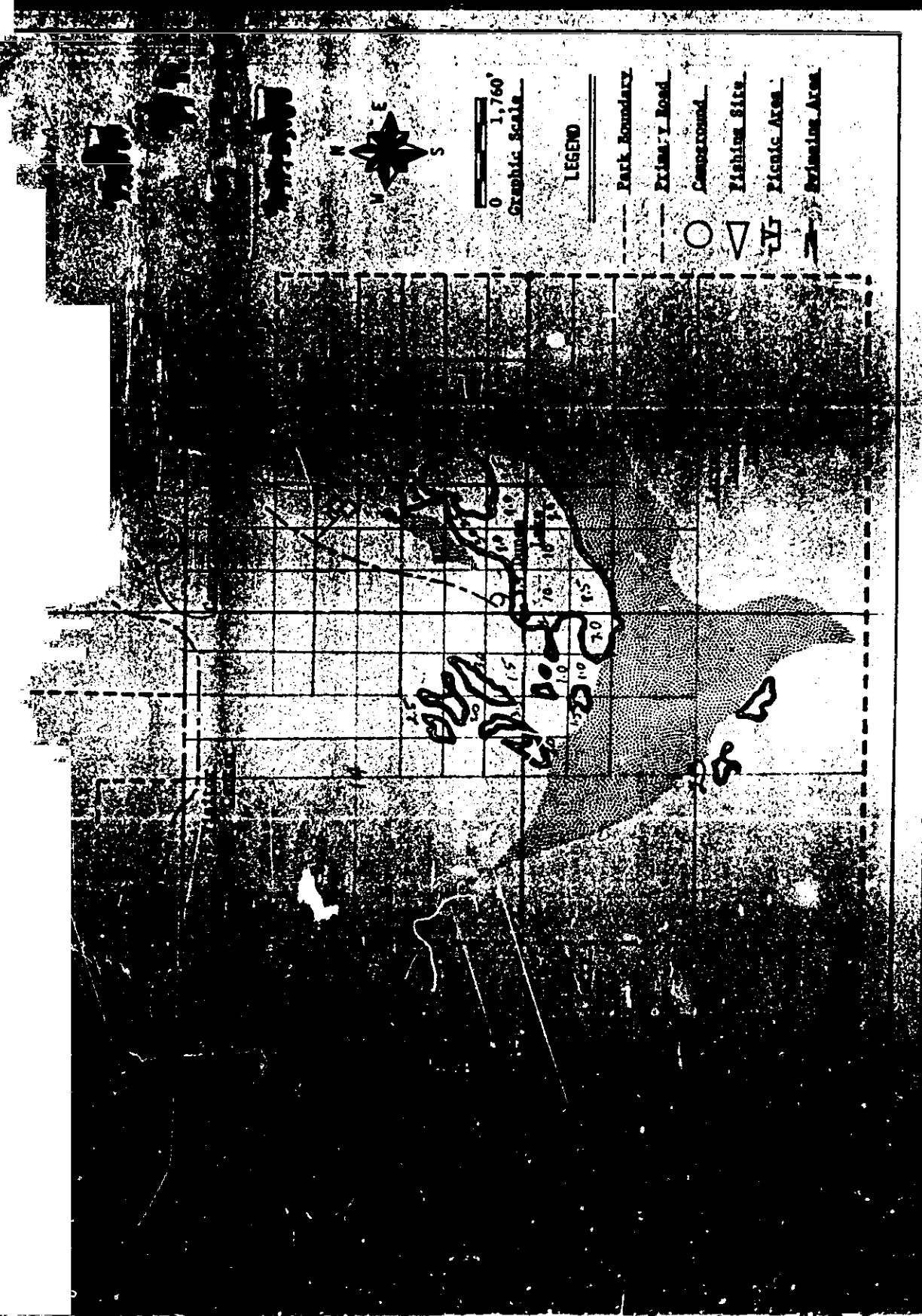
Pipe Roughness: 150.00 Note: pvc = 150, smooth and straight pipe = 140
aluminum - joint length 20' = 125, joint length
30' = 130, joint length 40' = 132, joint length
50' = 134, new riveted steel = 100
old riveted steel = 100, old cast iron = 95,
old pipes in poor condition = 60 to 80

Estimated Q: 1.950 CFS

Inside Diameter in Inches	Equivalent Length in Feet	Unit Head Loss	Total Head Loss from Pipe Friction
16.00	3450.00	1.32	
14.00	3450.00	2.53	
12.00	3450.00	5.35	
10.00	3450.00	13.00	22.21 feet of head

Pipeline length: 13800.00 feet

* In order to verify the TDH declared on the pump curve, I ran friction loss equations. It was unknown at what increments the pipe size reductions occurred; in reality there is likely a greater percentage of smaller pipe. Lift from plant to discharge is 50-65 ft, + friction head loss. TDH = 72-87 ft (or greater using more 10" pipe). TDH appears accurate.

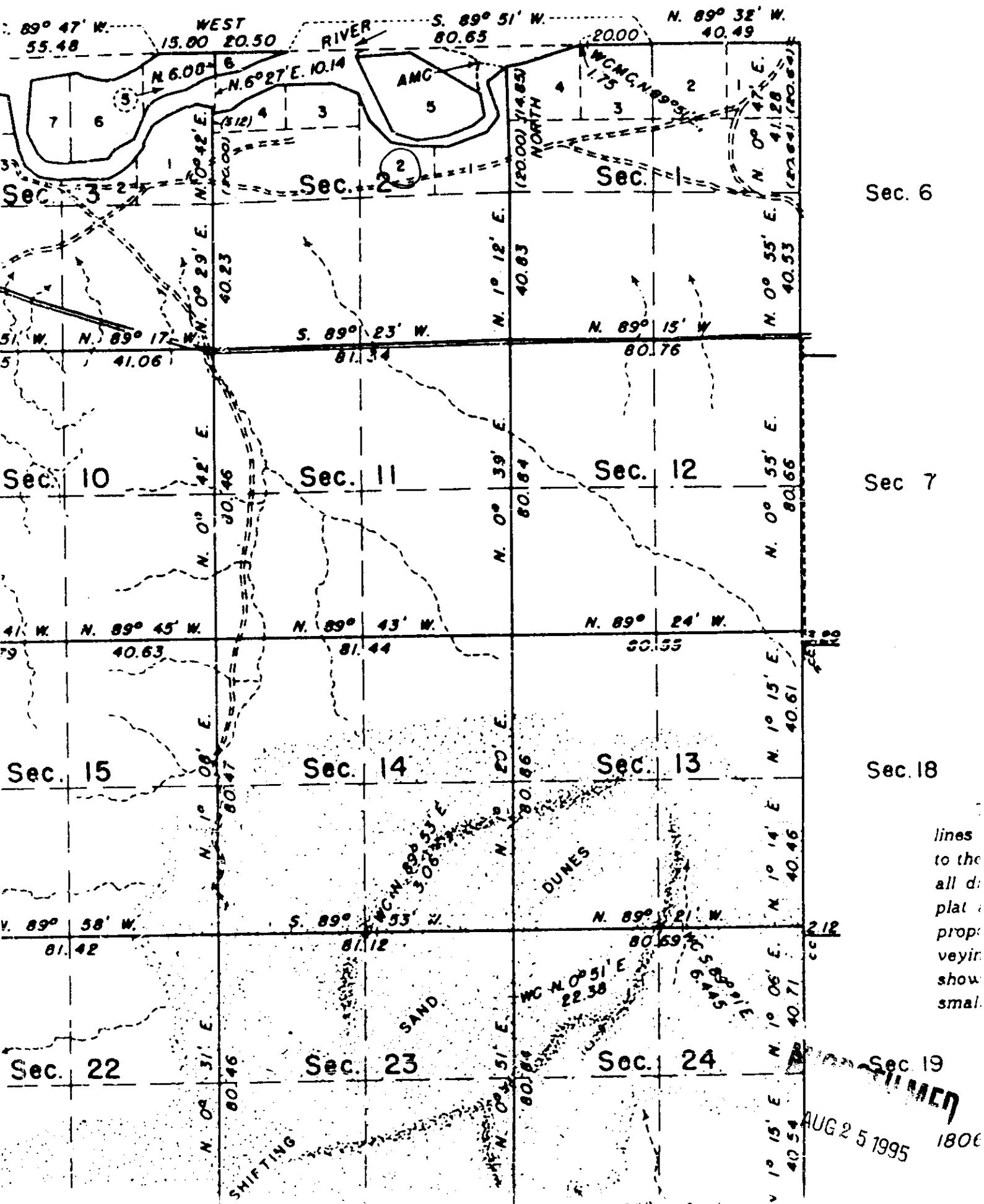


0 1,760'
Graphic Scale

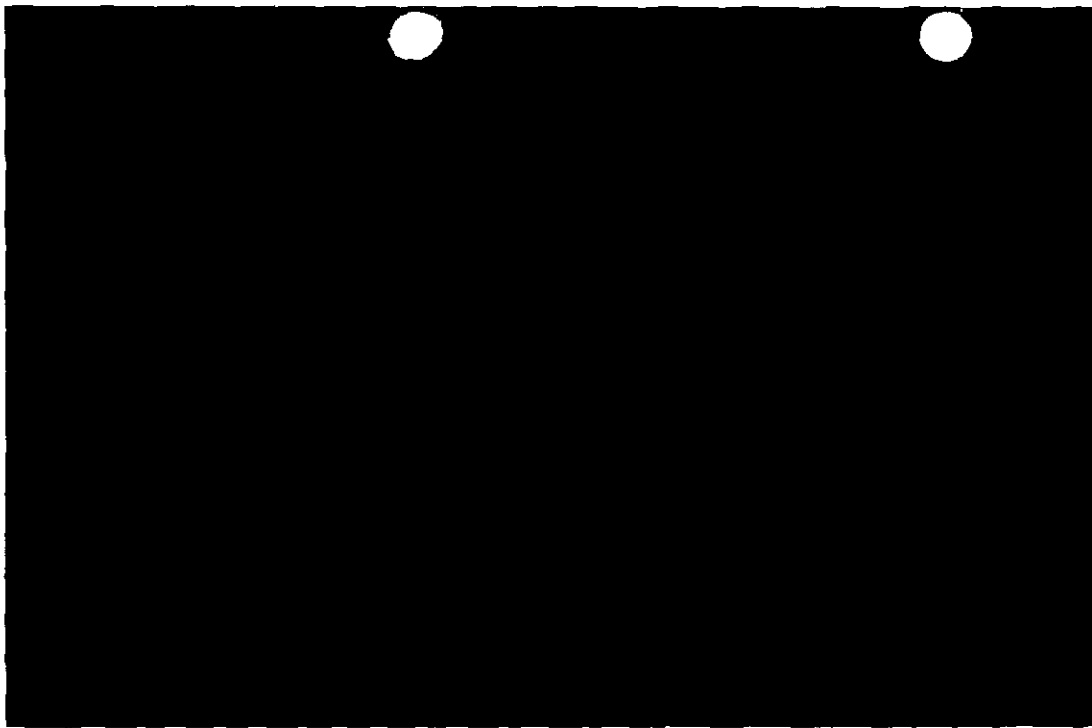
LEGEND

- Park Boundary
- Primary Road
- Campground
- △ Fishing Site
- Picnic Area
- Swimming Area

AUG 25 1995



02-746



P/D



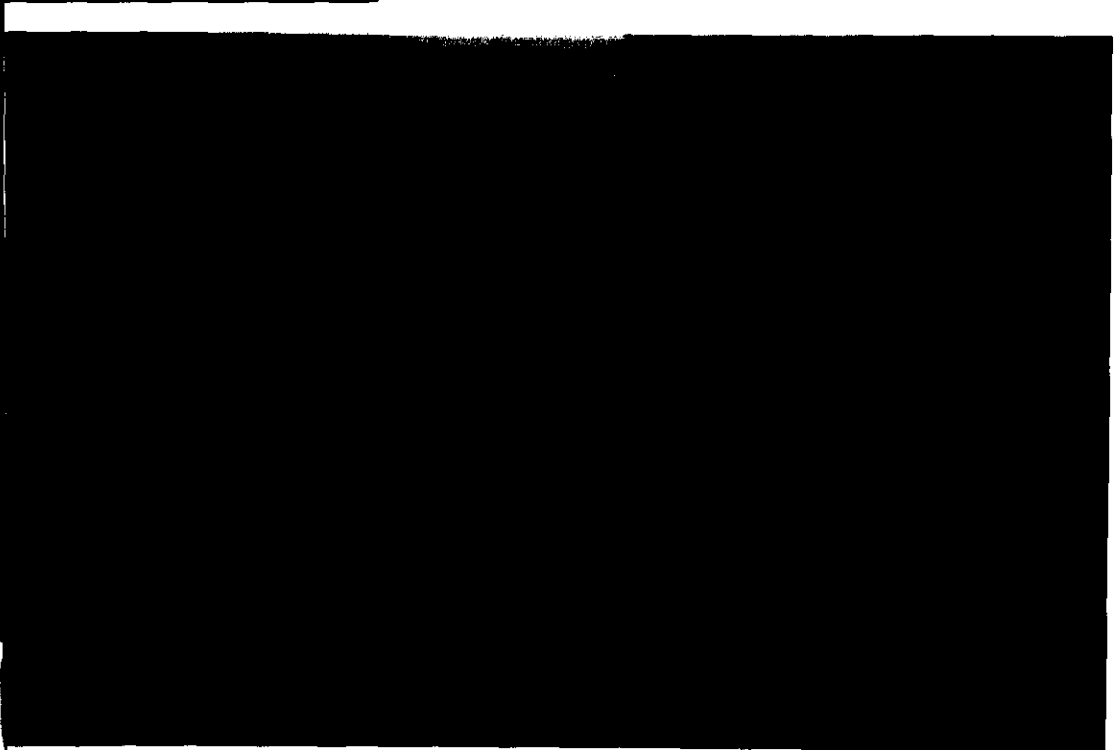
P/D &
Neighboring
Pump (F&G)



Outlet Box
& weir

RECEIVED

AUG 25 1995



P/W Photos 192 (see map)

02-7416

AUG 25 1995





P/u Photos 3 & 4 (see map)

62-7416

AUG 25 1985

February 26, 1991

STATE OF IDAHO
DEPT. OF PARKS & REC.
STATEHOUSE
BOISE, ID 83720

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 02-07416

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

RECEIVED
MAR 14 1991

138075
December 31, 1990

STATE OF IDAHO
DEPT. OF PARKS & REC.
STATEHOUSE
BOISE, ID 83720

PROOF DUE NOTICE

RE: PERMIT NO. 02-07416

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before March 1, 1991. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Rita Fleck
Secretary/Records Manager

Enclosures



March 13, 1986

RE: Permit No. 02-7416

State of Idaho, Department of Lands
Statehouse Mail
Boise, ID 83720

Gentlemen:

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

Be sure to note the special condition requiring you to install a measuring device, or a flow measurement port to provide for the installation of measuring equipment by the Department. Enclosed please find a list of measuring device options, and specifications for the installation of the flow measurement port.

Note also that water shall not be diverted under this permit unless the flow of the Snake River exceeds established downstream minimum stream flows. In addition, there are many applications for permit for the use of Snake River water that are prior to your permit. These applications have been filed for the irrigation of lands that the applicants are attempting to obtain under the Federal Land laws such as Desert Entry and Carey Act. If these lands are developed, and if the established minimum stream flows are maintained, then no water would be available for this permit. Therefore, you should carefully consider these facts before making any expenditures for the construction of your system.

The 1982 Idaho Legislature added a requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

JIM JOHNSON
Supervisor, Water Allocation Section

JJ:kw
Enclosures

MICROFILMED

DNR

NELSON, ROSHOLT, ROBERTSON, TOLMAN & TUCKER
Chartered

THOMAS G. NELSON
JOHN A. ROSHOLT
J. EVAN ROBERTSON
STEVEN K. TOLMAN
JAMES C. TUCKER

ATTORNEYS AT LAW
142 3RD AVENUE NORTH
P.O. BOX 1906
TWIN FALLS, ID 83303-1906
TELEPHONE (208) 734-0700

BOISE OFFICE:
1020 MAIN ST., SUITE 320
P.O. BOX 1805
BOISE, ID 83702-1805
(208) 336-0700

TERRY T. UHLING
F. BRUCE COVINGTON
LAIRD B. STONE
GARY D. SLETTE
JERRY JENSEN

March 3, 1986

RECEIVED
MAR 5 1986

Mr. H. Kenneth Dunn, Director
Idaho Department of Water Resources
Statehouse
Boise, Idaho 83724

Department of Water Resources

Re: Bruneau Dunes State Park

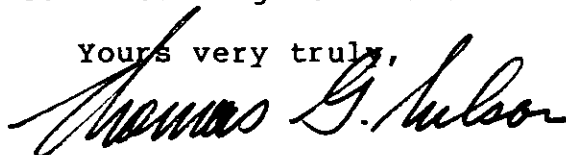
Dear Mr. Dunn:

At the request of your staff, we have reviewed the application of the State Department of Parks & Recreation for a permit to pump water from the Snake to stabilize the levels of the lakes at Bruneau Dunes State Park. The matter has been considered by the management of Idaho Power Company, and the Company hereby withdraws its protest to Application No. 02-7416. It appears to be a use similar to that of a fish propagation facility, which we have considered to be nonconsumptive for purposes of the Swan Falls settlement.

Since this is a main stem use, and there will be some slight depletion due to evaporation from an increased wetted surface, we suggest that the depletion be accounted for in studies concerning the availability of unappropriated water in the main stem below Milner Dam.

If you need anything further, feel free to give me a call.

Yours very truly,



Thomas G. Nelson

TGN/smb

cc: Paul Jauregui
Idaho Dept. of Parks & Recreation

RECEIVED



State of Idaho
DEPARTMENT OF WATER RESOURCES
WESTERN REGION, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-2190

April 11, 1985

Vincent S. Strobel
Bureau of Land Management
Idaho State Office
3380 Americana Blvd.
Boise, ID 83706

Re: 02-7416 - State of Idaho - Dept. of Parks & Recreation

Dear Mr. Strobel:

Enclosed is a copy of the above referenced application for permit which may be of interest to your agency. Please review the application and submit any comments you may have.

This office normally completes the processing of an application within a six-week period and is required to take final action shortly thereafter, however, if your agency desires to file a formal protest against the approval of this application, your written protest must be received in this office by May 6, 1985.

If you have any questions regarding the application, please contact this office.

Sincerely,

DAVID B. SHAW
Western Regional Supervisor

DBS:jp

Enclosure

RECEIVED

The Owyhee Avalanche

P.O. BOX 97

HOMEDALE, IDAHO 83628

208/337-4881

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
) ss.
COUNTY OF OWYHEE)

I, Joe E Aman, being first duly sworn, depose and say:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was and now am over the age of twenty-one years, not a party to nor interested in the proceedings hereinafter mentioned.

2. That during the time of the publication of the notice hereinafter mentioned, I was and now am the publisher of The Owyhee Avalanche, a newspaper of general circulation printed and published weekly, Wednesday of each and every week, in the City of Homedale and County of Owyhee and State of Idaho.

3. That the said The Owyhee Avalanche, a continuation of the Owyhee Chronicle and the Owyhee Nugget, has been printed and published continuously and uninterruptedly in said County during a period of seventy-eight weeks prior to the first publication of the attached notice.

4. That said notice of which a printed copy, taken from said newspaper, is hereto affixed, was published in the regular issue thereof, and not in a supplement thereto, in said newspaper, in two (2) (consecutive) calendar weekly issue(s) of said newspaper, in the following date(s):

April 17, 1985

April 24, 1985

(Signed).....

Joe E Aman

Subscribed and sworn to before me this 24th day of April, 1985

Carol E. Bussen

Notary Public in and for the State of Idaho,

residing at Homedale, Idaho.

My commission expires March 25, 1987

have
waters of the State of Idaho:

STATE OF IDAHO
DEPT. OF PARKS &
RECREATION, Statehouse, Boise,
ID 83726

Source: SNAKE RIVER trib. to
COLUMBIA RIVER

Date Filed: 4/24/85

Diversion to: SNAKE RIVER 22 T 66S R
66E

Use:

WILDLIFE (1.00 CFS)

WILDLIFE STORAGE (100.0 AF)

RECREATION (1.00 CFS)

RECREATION STORAGE (100.0 AF)

DIVERSION TO

STORAGE (1.00 CFS)

In: SENW NESE SENE SESE

SESE Sec 13 T 66S R 66E SESE Sec

14 T 66S R 66E NESE Sec 25 T 66S R

66E NESE NWSE Sec 26 T 66S R

66E

The permit(s) will be subject to all
prior water rights. Protests must be
filed with the Director, Dept. of
Water Resources, Western Region,
Statehouse, Boise, Idaho 83726 on or
before MAY 4, 1985.

Ken Dunn, Director

RECEIVED
APR 26 1985

Department of Water Resources
Western Regional Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region

Statehouse
Boise, Idaho 83720
(208) 334-2190

APRIL 11, 1985

Owyhee Avalanche
P. O. Box 97
Homedale, Idaho 83628

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before MAY 6, 1985.

Yours truly,

JUDY PENSE
Secretary

Encl.

RECEIVED
MAY 13 1985

NOTICE OF APPLICATION FOR WATER RIGHT

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

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 6, 1985.

KEN DUNN, Dir.

Published 04/17 & 04/24/85.

UNRECORDED

02-2416

STATE OF IDAHO

DEPT. OF PARKS & RECREATION, STATEHOUSE, BOISE, ID 83720

Source: SNAKE RIVER trib. to COLUMBIA RIVER

Date Filed: 04/04/1985

Diversion Pt: SWNE Sec 02 T 06S R 06E

Use: WILDLIFE	(3.00 CFS)✓
WILDLIFE STORAGE	(300.0 AF)✓
RECREATION	(3.00 CFS)✓
RECREATION STORAGE	(300.0 AF)✓
DIVERSION TO STORAGE	(3.00 CFS)✓

In: SENW NESW SWSW SESW NWSE Sec 13 T 06S R 06E SESE Sec 14 T 06S R 06E NENE
Sec 23 T 06S R 06E NENW NWNW Sec 24 T 06S R 06E

NOT RECORDED