

PROOF OF PUBLICATION

STATE OF IDAHO
County of Owyhee } s.s.

I, RODNEY A. HAWES, being first duly sworn, on oath says that he is the Publisher of the OWYHEE NUGGET, a newspaper of general circulation, published weekly by Rodney A. Hawes, publisher and printer thereof, at Marsing, County of Owyhee, State of Idaho;

That the annexed notice was published in said newspaper once each week and every week for 2 consecutive weeks, the first publication being on the 4 day of November, 1975, and the last publication being on the 11 day of December, 1975;

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

Rodney A. Hawes
PUBLISHER

Subscribed and sworn to before me this 11 day of Dec, 1975...

Leonard S. Hawes
NOTARY PUBLIC

My commission expires 9-10-76

(SEAL)

DEC 16 1975

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that SUCCOR CREEK WATER CONTROL DISTRICT, Rockville Rt., Marsing, ID has on Nov. 17, 1975 submitted Application No. 57 - 7153 for a permit to appropriate 6340 acre feet per annum of water from Succor Creek, trib. to Snake River by means of a earth fill dam within the NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 7, T. 3 S., R. 5 W., B. M. Owyhee County to be used from May 1 to Oct. 1 for irrigation of 2,258 acres within the Sec. 33, T. 23 S., R. 46 E., W. M., Sec. 4, T. 24 S., R. 46 E.; Sections 17, 20, 28, 29, 32, 33, 34, T. 25 S., R. 46 E.; Sections 2, 3 4, 5, 8, 9, 10, 11, 14, 15, 17, 22, 26, 27, 35, T. 26 S., R. 46 E.; Sections 11, 12, 13, 14, 24, 25, 36, T. 27 S., R. 46 E., W. M., all located in the State of Oregon.

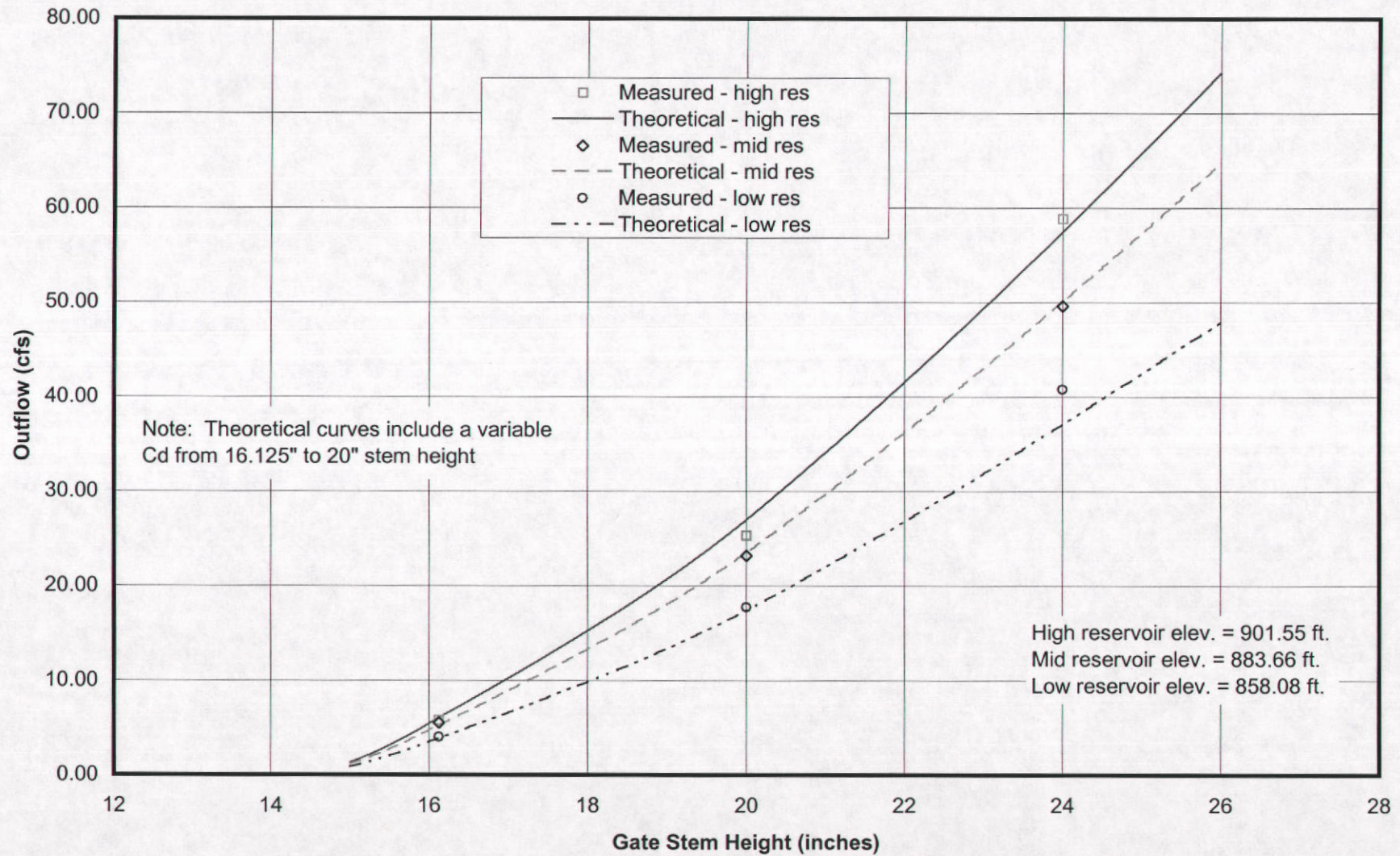
If issued, this permit will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Idaho Department of Water Resources, Statehouse, Boise, Idaho, 83720, on or before Dec. 22, 1975.

R. KEITH HIGGINSON,
Director

Published in the Owyhee Nugget, Marsing, ID on Dec. 4, 1975, and December 11, 1975.

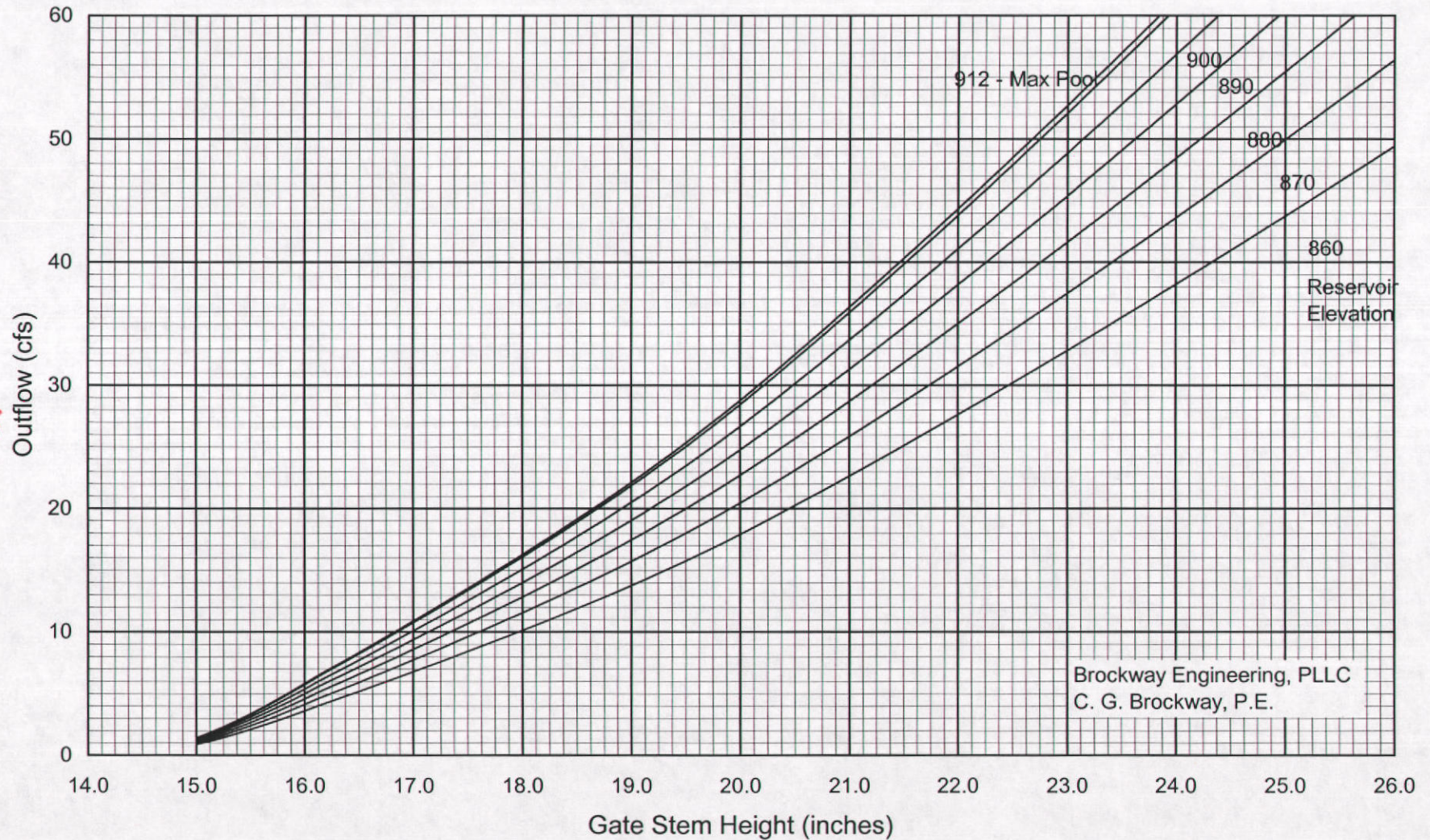
OK
cls
12-16-75

Succor Creek Dam - Outlet Pipe Rating Results



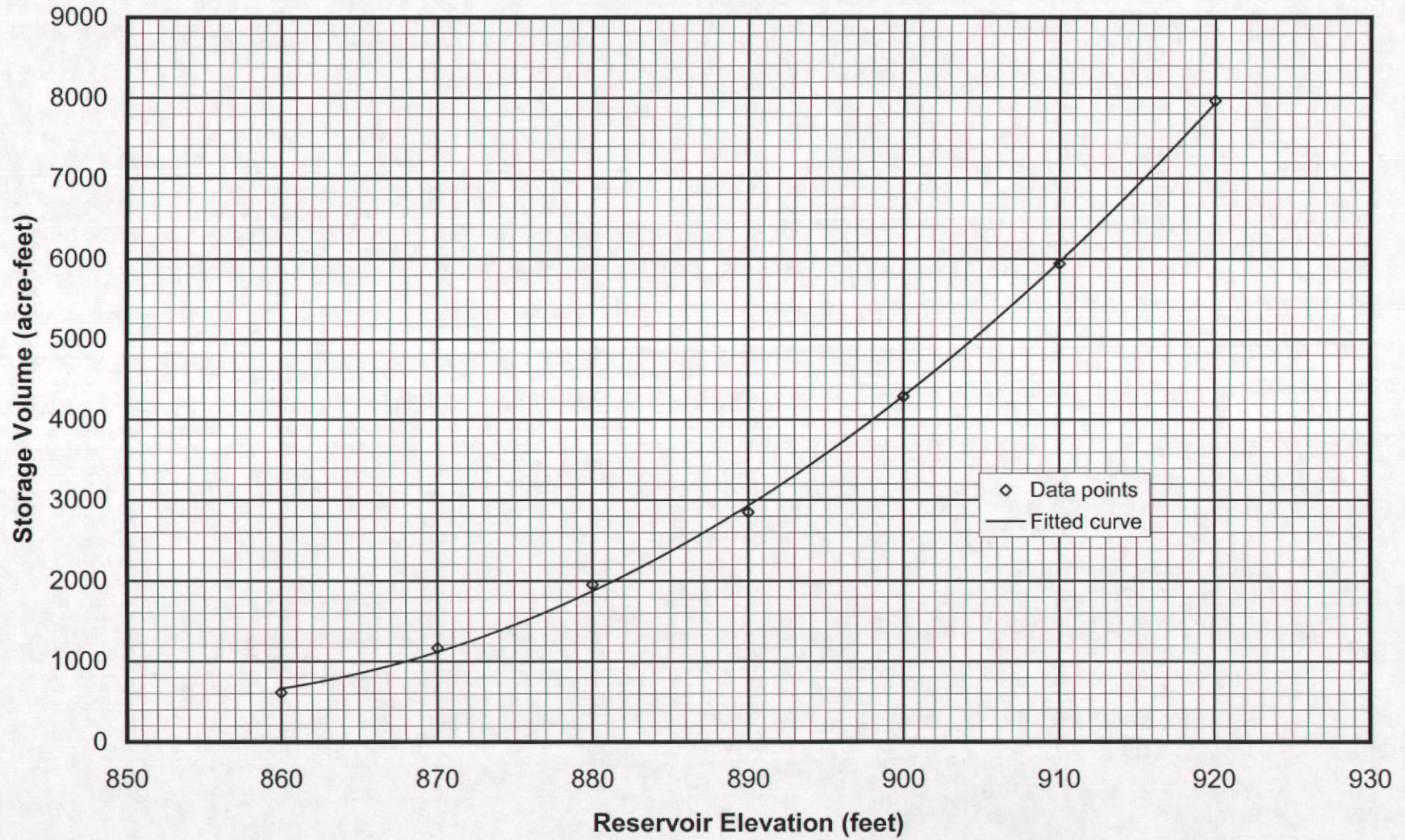
Succor Creek Reservoir Outlet Gate Rating

November 27, 2001



Succor Creek Reservoir Storage Curve

Prepared in 1975 for dam construction by James D. Hanley, P.E.



MAY 16 2002
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**Succor Creek Reservoir
from top of dam. 11/15/00**



Outlet pipe. 11/15/00

**Succor Creek downstream
of dam, taken from top of
dam. 11/15/00**



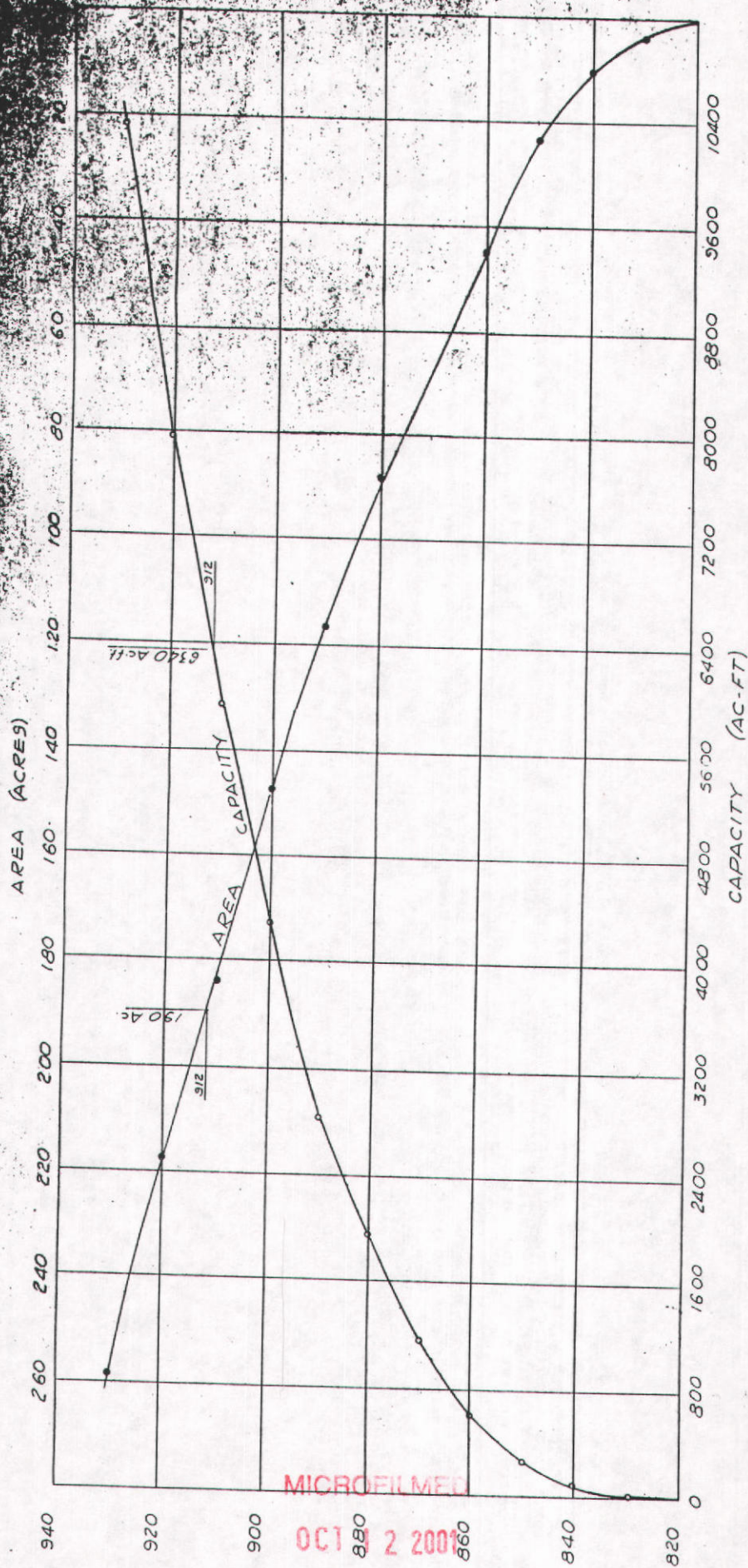
Succer Creek District Improvement Comany
Flow Measurement Proposal

MICROFILME April 4, 2001

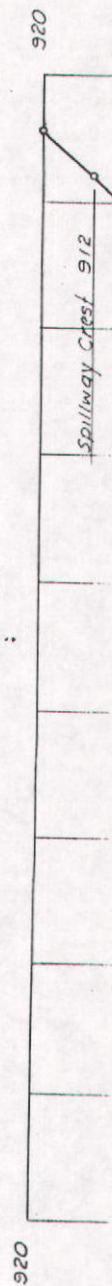
BROCKWAY ENGINEERING, PLLC

UCT 1 2 2001

AREA - CAPACITY CURVES



CONDUIT DISCHARGE CURVE



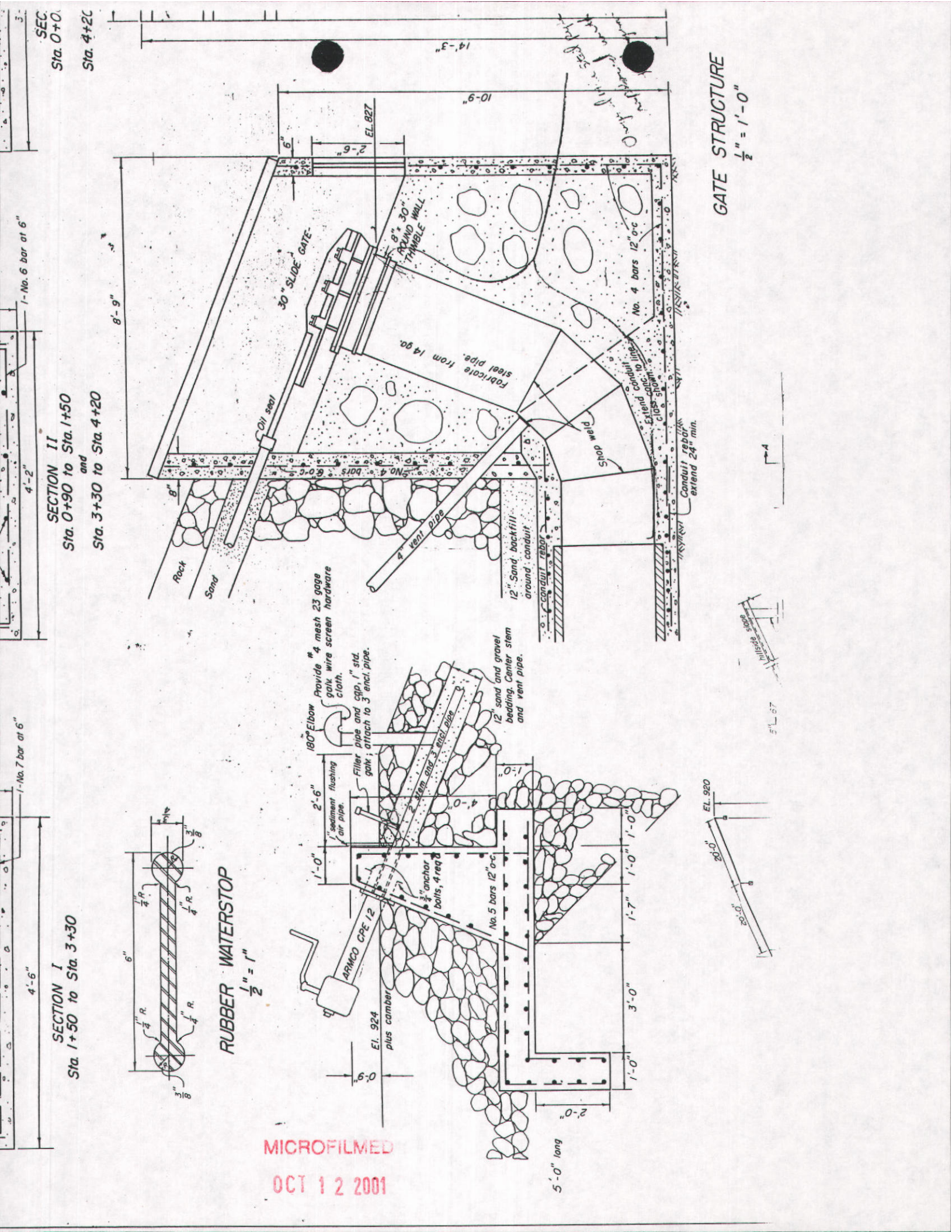
MICROFILMED

OCT 2 2001

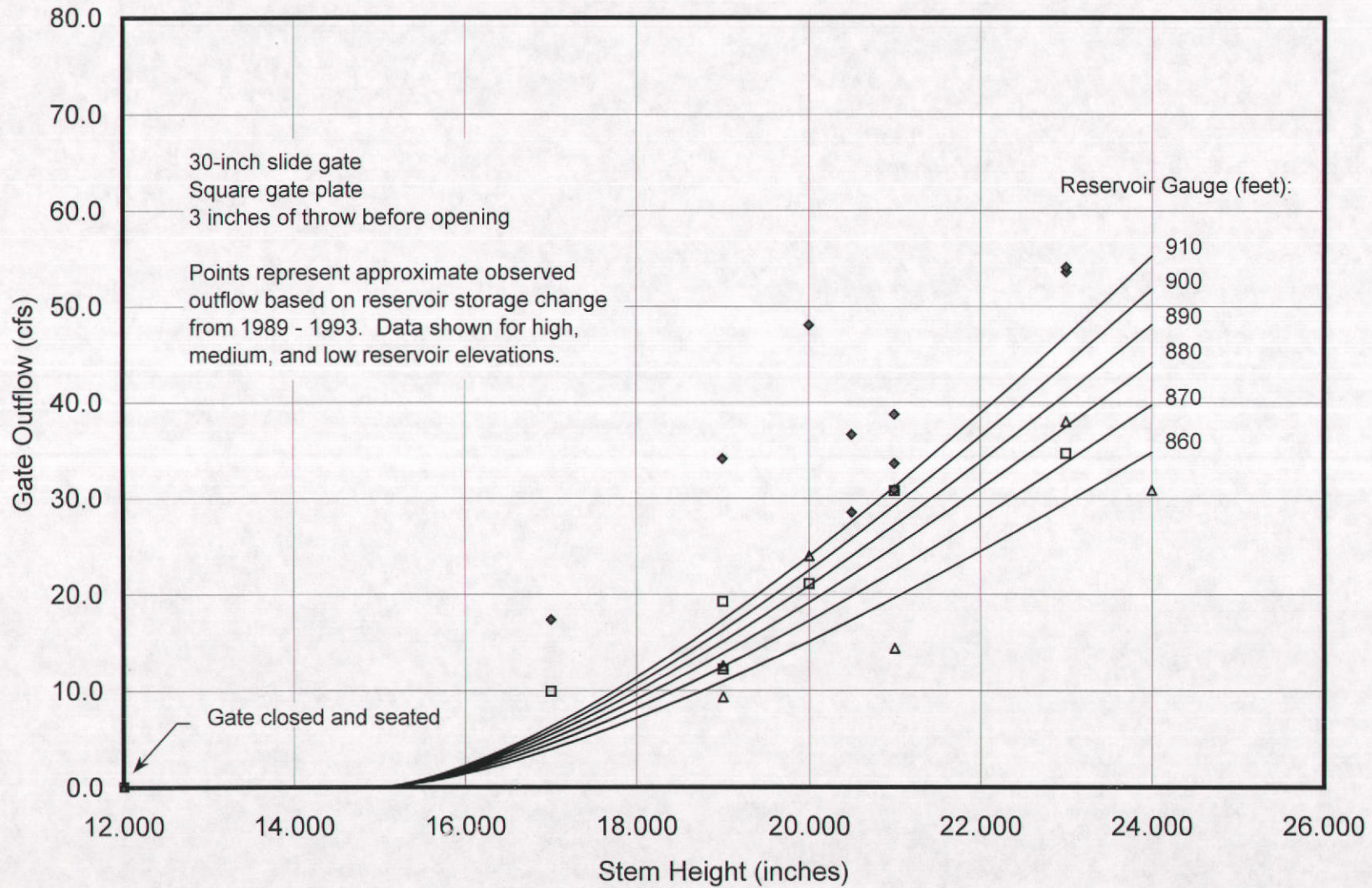
800 A.S.

26 mm

20



Succor Creek Reservoir Theoretical Gate Outflow vs. Opening



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

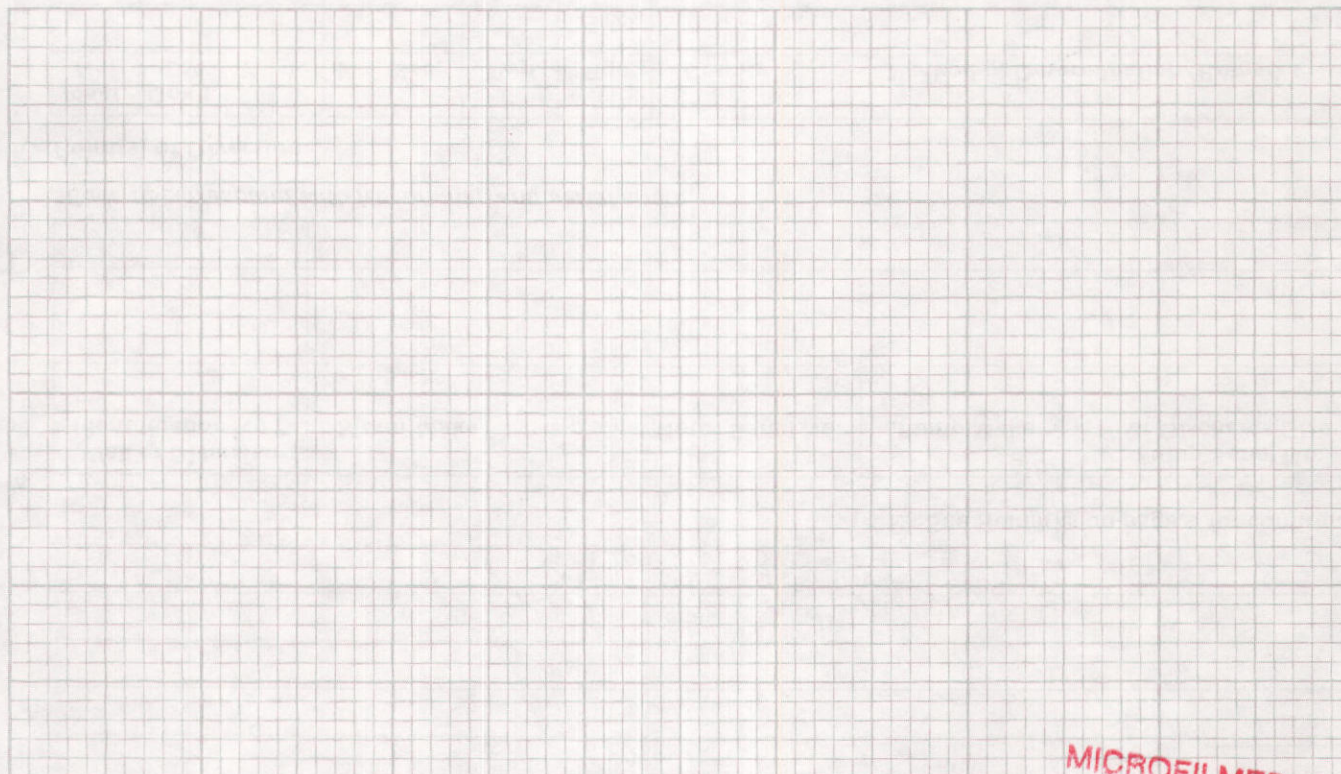
- Permit No. 57-7153
1. Owner: Succor Creek Water Control District Phone No. (503) 339-3026
Current Address: Rockville Route, Jordan Valley, OR 97910
2. Accompanied by: Bob Davis EXAM. DATE: 8-20-87
Address: P.O. Box 756, Homedale, ID 83628 Phone No. (503) 339-3608
Relationship to Permit Holder: Resident
3. Source: Succor Creek tributary to Snake River

B. OVERLAP REVIEW

1. Other water rights with same place of use: place of use is in Oregon - UNKNOWN OVERLAPS,
P/U IN IDAHO OVERLAPS WITH 57-04002 (LIVE-FLOW RIGHT) ☐ Copies Attached
NO STORAGE RT. OVERLAPS
2. Other water rights with same point of diversion: None ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION SEE MAP ATTACHED

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



Scale: 1" = _____

Orthophoto

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☒ Aerial Photo Attached
Showing location(s) of point(s) of diversion and place(s) of use (required). (required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

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System Description (continued)

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

The system has a 104' high, 380' crest earth dam across Succor Creek. The reservoir formed has a surface area of 190 acres and a drainage ~~basin~~ area of 51.6 square miles. Water is released through a 30" concrete pipe with a sliding control gate on the upstream side of the dam. The gate is opened

☒ See Remarks on page 4 for continuation

- 4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	N.A.				

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

5. Point(s) of Diversion:

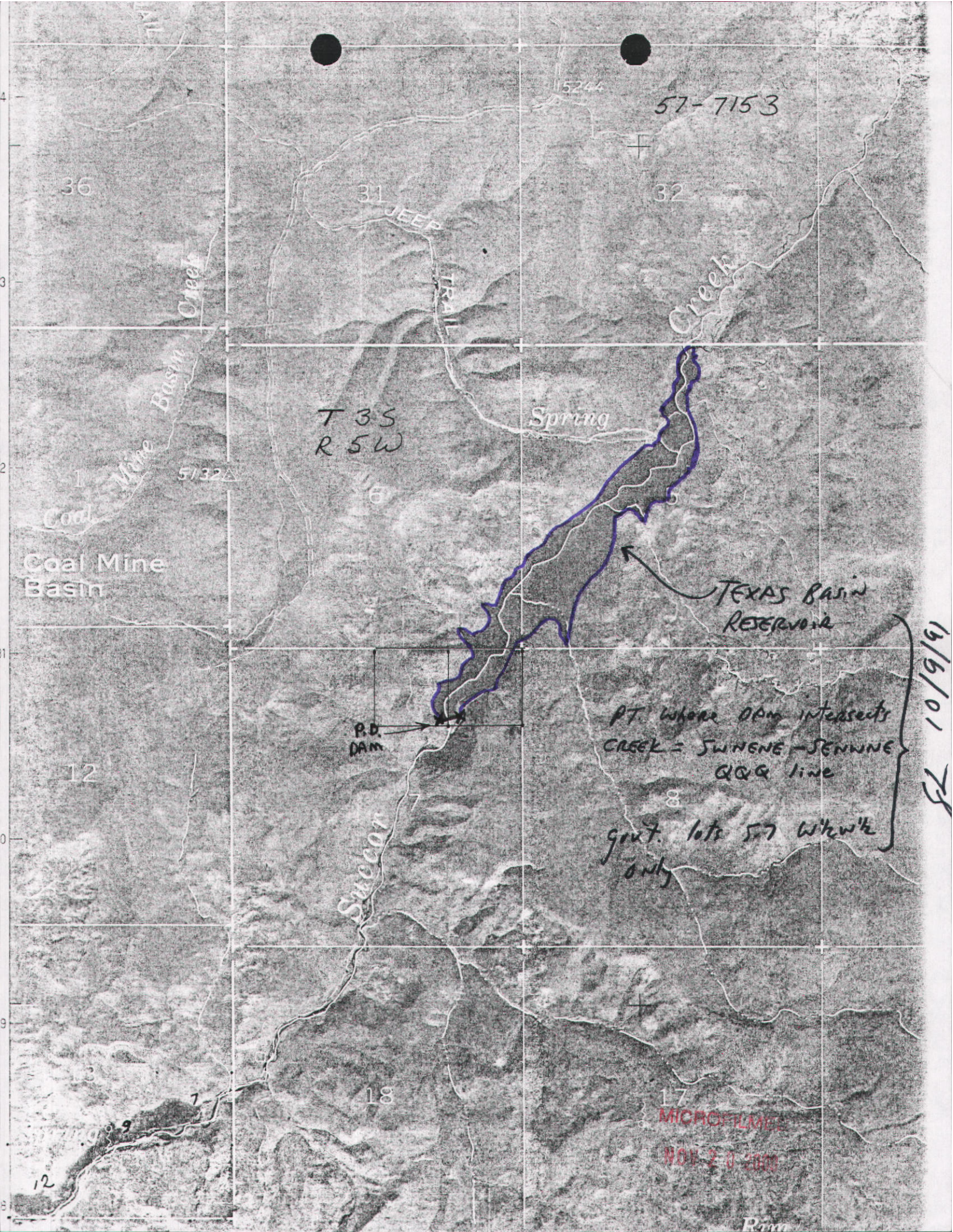
Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	NE	NE	7	3S	5W	Owyhee	Topog. and ortho photoquad
		SE	NW	NE	7	3S	5W	Owyhee	" " " "

6. Place(s) of Use:

Indicate Method of Determination ORTHO PHOTO PER AS7-04002 FILE

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
35	6W	14					1.3	17.2	4	26	9	18	1						58
* SEE ATTACHED LAND LIST & MAP FOR PLACES OF USE IN OREGON - TOTAL OREGON ACRES IS → 2,581.3																			
TOTAL IN DISTRICT																			2,589.3

*NOTE - IDAHO ACRES LISTED IN POLI - OREGON ACRES LISTED AS A TOTAL IN REMARKS ON ADJ. CLAIM.



57-7153

T3S
R5W

TEXAS BASIN
Reservoir

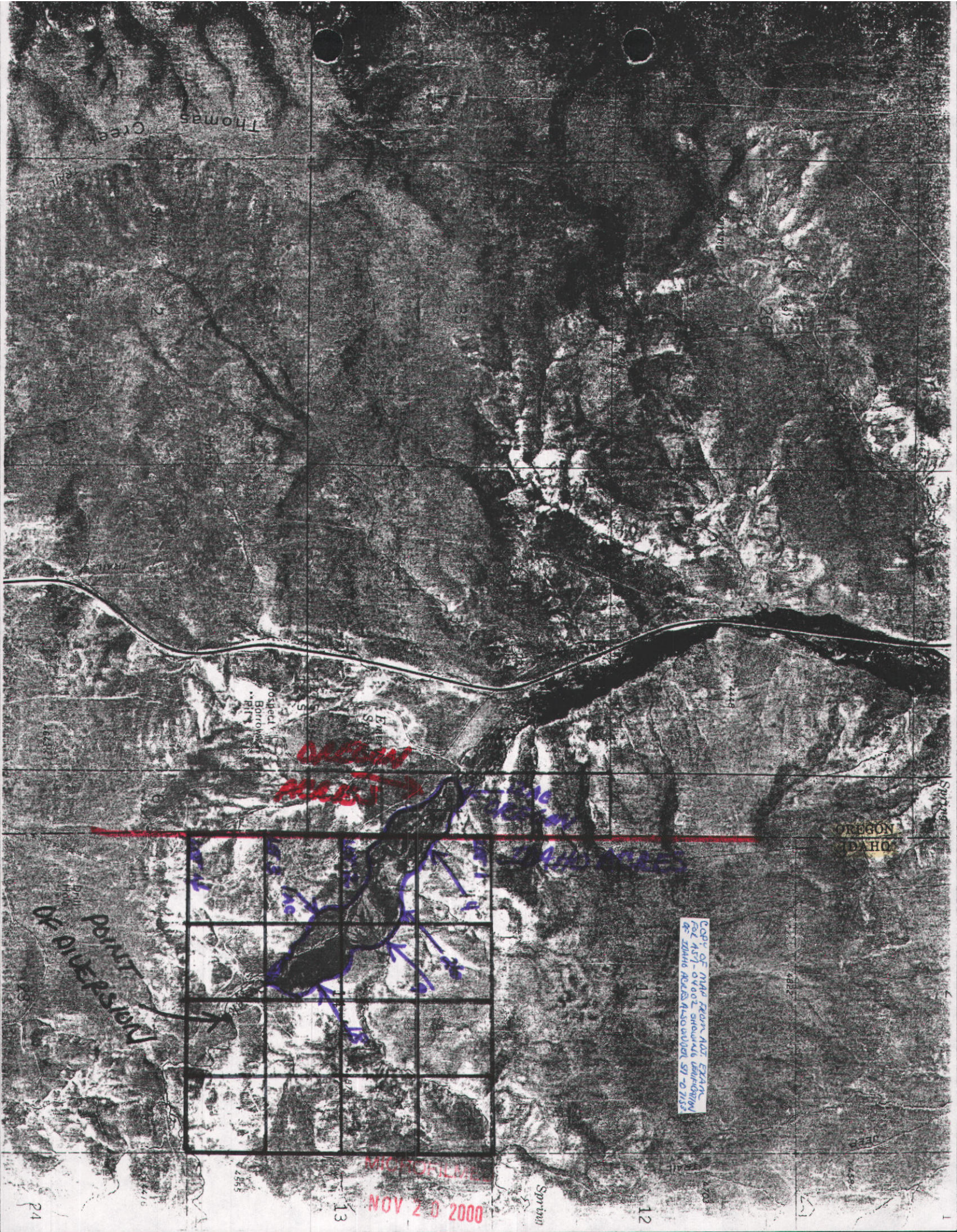
PT. where DAM intersects
CREEK = SWNENE-SENNINE
Q&Q line

govt. lots 5,7 with 1/2
only

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10/9/91



Thomas Creek

OREGON
IDAHO

COPY OF MAP FROM ADJ. EXAM
OF 10/1 - 0700 L. SHOWING
OF 20000 ACRES 414000000 57-0-715

NOV 20 2000

Point of diversion

WATER

WATER

P4



Looking Northeast at the reservoir area from the top and center of the dam.



Looking Northeast at the spillway and outlet (lower center) of the dam.

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NOV 20 2000

57-7153



Looking
South west
at the
control gate



Facing
looking
North and
down looking
down at the
control gate

MICRO
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Sec. 15

104110

SOUTH

M.P. 05

NETWEEEN

Sec 74

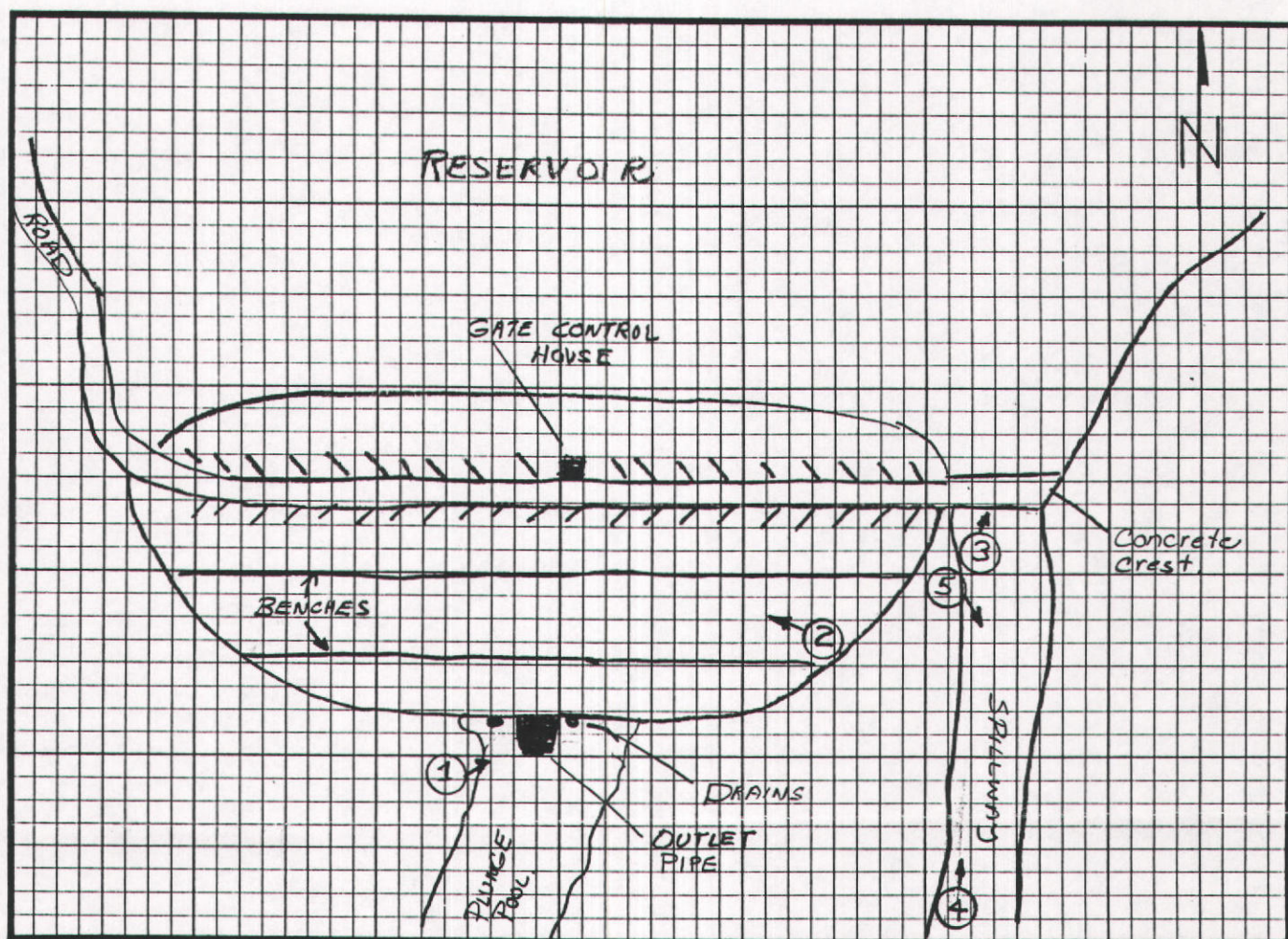
Sec. 10

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GENERAL CONDITION AND DESCRIPTION OF DAM: Good, Dam is well maintained
Reservoir has spilled over spillway earlier. Some erosion along right
side of spillway channel along lower steep slope. Mr. McKenzie
indicated they would closely monitor the spillway channel.
No other problems noted.

INSTRUMENTATION READINGS (Piezometer, Seepage measurement, Alignment, Elevation, etc.)
none taken.

SKETCH OF DAM SHOWING LOCATION OF SPILLWAY AND OUTLET WORKS AND ANY MAINTENANCE PROBLEMS:



RECOMMENDATIONS: ISSUE STORAGE CERTIFICATE FOR A 2 year period.
Maintenance: 1. Monitor spillway channel for further erosion, repair
as necessary
2. WATCH SEEPAGE FROM DRAIN OUTLET PIPES.
Keep outlet drains open.

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NOV 20 2000

Date: June 12, 1989

Inspected by: John Westra

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 57-07153

Priority: November 24, 1975

Maximum Storage Volume:

6340.0 AF

This is to certify, that SUCCOR CREEK DISTRICT IMPROVEMENT CO
ROCKVILLE RT

JORDAN VALLEY OR 97910 has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated November 24, 1975; and
has submitted Proof of Beneficial Use on September 22, 1983. An examination indicates
that the works have a storage capacity of 6340.000 af of water from:

SUCCOR CREEK tributary to SNAKE 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>
IRRIGATION STORAGE	01/01 to 12/31		6340.0 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		6340.0 AF
Totals			6340.0 AF

LOCATION OF POINT(S) OF DIVERSION:

NENE , Sec. 7, Township 03S, Range 05W
NWNE , Sec. 7, Township 03S, Range 05W
OWYHEE County

PLACE OF USE: IRRIGATION FROM STORAGE

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
23S	46E	21	NENE 7.8	SESE 8.1		15.9
		22	SWNW 22.8	NESW 15.7	NWSW 34	
			SWSW 34.4	SESW 9.1		116
		27	NWNW 19.7	SWNW 3.1		22.8
		33	SESW 6.4	NWSE 4.5	SWSE 24.9	35.8
24S	46E	5	Lot 7 (SWNE) 13.1	Lot 8 (SENE) 29.8		42.9
		11	NWNE 3.6	SWNE 3.4	SENE 9.7	
			NESE 10.4			27.1
25S	46E	1	NWSW 20			20
		17	NWSE 0.1	SWSE 16.8		16.9
		20	NWNE 17.3	SWNE 11	NWSE 12.1	
			SWSE 33.2	SESE 22.9		96.5
		28	NWNW 2.4	SWNW 4.4	SWSW 7.3	14.1
		29	NENE 31.6	NWNE 30.3	SWNE 30.2	
			SENE 33.4	NESE 38.8	NWSE 29	
			SWSE 12	SESE 37.9		243.2
		32	NENE 16.2			16.2
		33	SWNE 25.8	NENW 20.6	NWNW 36	
			SWNW 25.5	SENW 32.2	NESW 37.2	
			NWSW 21	SWSW 34.3	SESW 21.5	
			NESE 33.6	NWSE 36.5	SWSE 31.5	
			SESE 35.1			390.8

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NOV 20 2000

State of Idaho
Department of Water Resources

Water Right License

WATER RIGHT NO. 57-07153

PLACE OF USE: IRRIGATION FROM STORAGE

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>		<u>ACRES</u>		<u>ACRES</u>		<u>TOTAL</u>
25S	46E	34	NWSW	4.1	SWSW	23			27.1
26S	46E	2	NESW	3.2	NWSW	5.5	SWSW	30.6	
			SESW	15	NESE	29	NWSE	15.8	
			SWSE	26	SESE	10			135.1
		3	SWNE	18.9	Lot 3 (NENW)	13.8	Lot 4 (NWNW)	35	
			SWNW	12	SENE	31.2	NESW	25	
			NESE	19.5	NWSE	32.9	SWSE	23.9	
			SESE	26.9					239.1
		4	Lot 1 (NENE)	21.1	Lot 4 (NWNW)	38.6	SWNW	36.1	
			NWSW	28.4	SWSW	20.1			144.3
		5	Lot 1 (NENE)	2	SENE	10	NESE	17.3	
			SESE	30.3					59.6
		8	NENE	39	SWNE	29.2	SENE	32.5	
			NESW	4.7	SESW	26.3	NESE	9.8	
			NWSE	33.7	SWSE	8.2			183.4
		9	NWNW	4.5	SWNW	4.5	NWSW	13	22
		10	NENE	32.8	NWNE	14.3	SWNE	10.9	
			SENE	33.2	NESE	32.8	NWSE	3.7	
			SESE	24.4					152.1
		11	NWNW	9.6	SWNW	14	NWSW	38.5	
			SWSW	38.6					100.7
		14	NWNW	29.8	SWNW	10.9	NWSW	9	
			SWSW	6.1					55.8
		15	NENE	28.1	SENE	22.3	NESE	19.8	
			SESE	15.4					85.6
		17	NENW	8.7	NWNW	6			14.7
		22	NENE	12.7	SENE	17.5	NESE	23.7	
			SESE	19.3					73.2
		23	NWNW	12.1	SWNW	6.4			18.5
		26	NWSW	3.5	SWSW	3.8			7.3
		27	NENE	8.9	SENE	2.1	NESE	2.2	13.2
		35	NENW	6.2	NWNW	2.6	SENE	10.8	
			NESW	5.3	SESW	1			25.9
27S	46E	12	NWSW	4.8	SWSW	9.5			14.3
		13	NWNW	6.4	NWSW	1.2	SWSW	13.9	21.5
		14	SESE	4.3					4.3
		24	SWNE	4.8	NWNW	4.6	SENE	17.3	
			NWSE	18	SWSE	14.2			58.9
		25	NWNE	10.9	SWNE	3	NESW	1	
			NWSE	2.7	SWSE	10.5			28.1
		36	NENE	3.5	NWNE	3.7			7.2

Total number of acres irrigated: 2550.1

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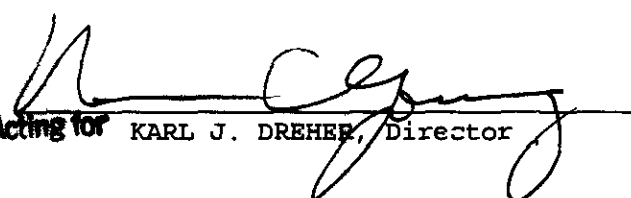
State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 57-07153

CONDITIONS OF APPROVAL AND REMARKS

1. The storage of water under this right is contingent upon continued certification by the Department of Water Resources under the dam safety provisions of the Idaho Code, authorizing storage.
2. This right when combined with all other rights shall provide no more than 4.5 afa per acre at the field headgate for irrigation of the lands above.
3. The right holder shall install/maintain permanent measuring devices in such a manner that the amount of water entering the reservoir and the amount of water released from the reservoir can be measured.
4. A single point of diversion is located on the line between the NENE and the NWNE, S7, T3S, R5W.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be administered in accordance with Idaho law and applicable rules of the Department of Water Resources. Signed and sealed this 19TH day of OCTOBER, 2000.


Acting for KARL J. DREHER, Director

NOV 20 2000

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 57-07153

Date of Priority: November 24, 1975 Maximum Storage Volume: 6340.0 AF

Comes now SUCCOR CREEK WATER CONTROL DISTRICT
ROCKVILLE RT
JORDAN VALLEY OR 97910 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. 57-07153, and requests that the permit be changed as follows:

Source: SUCCOR CREEK tributary to SNAKE RIVER

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION STORAGE	01/01 to 12/31		6340.0 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		6340.0 AF
Totals			6340.0 AF

LOCATION OF POINT(S) OF DIVERSION: NENE , Sec. 7, Township 03S, Range 05W
NWNE , Sec. 7, Township 03S, Range 05W
OWYHEE County

PLACE OF USE: IRRIGATION FROM STORAGE

Acres irrigated in Oregon:

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
23S	46E	21	NENE 7.8	SESE 8.1		15.9
		22	SWNW 22.8	NESW 15.7	NWSW 34	
			SWSW 34.4	SESW 9.1		116
		27	NWNW 19.7	SWNW 3.1		22.8
		33	SESW 6.4	NWSE 4.5	SWSE 24.9	35.8
24S	46E	5	Lot 7 (SWNE) 13.1	Lot 8 (SENE) 29.8		42.9
		11	NWNE 3.6	SWNE 3.4	SENE 9.7	
			NESE 10.4			27.1
25S	46E	1	NWSW 20			20
		17	NWSE 0.1	SWSE 16.8		16.9
		20	NWNE 17.3	SWNE 11	NWSE 12.1	
			SWSE 33.2	SESE 22.9		96.5
		28	NWNW 2.4	SWNW 4.4	SWSW 7.3	14.1
		29	NENE 31.6	NWNE 30.3	SWNE 30.2	
			SENE 33.4	NESE 38.8	NWSE 29	
			SWSE 12	SESE 37.9		243.2

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NOV 20 2000

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 57-07153

PLACE OF USE: IRRIGATION FROM STORAGE

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
25S	46E	32	NENE 16.2			16.2
		33	SWNE 25.8	NENW 20.6	NWNW 36	
			SWNW 25.5	SENE 32.2	NESW 37.2	
			NWSW 21	SWSW 34.3	SESW 21.5	
			NESE 33.6	NWSE 36.5	SWSE 31.5	
			SESE 35.1			390.8
		34	NWSW 4.1	SWSW 23		27.1
26S	46E	2	NESW 3.2	NWSW 5.5	SWSW 30.6	
			SESW 15	NESE 29	NWSE 15.8	
			SWSE 26	SESE 10		135.1
		3	SWNE 18.9	Lot 3 (NENW) 13.8	Lot 4 (NWNW) 35	
			SWNW 12	SENE 31.2	NESW 25	
			NESE 19.5	NWSE 32.9	SWSE 23.9	
			SESE 26.9			239.1
		4	Lot 1 (NENE) 21.1	Lot 4 (NWNW) 38.6	SWNW 36.1	
			NWSW 28.4	SWSW 20.1		144.3
		5	Lot 1 (NENE) 2	SENE 10	NESE 17.3	
			SESE 30.3			59.6
		8	NENE 39	SWNE 29.2	SENE 32.5	
			NESW 4.7	SESW 26.3	NESE 9.8	
			NWSE 33.7	SWSE 8.2		183.4
		9	NWNW 4.5	SWNW 4.5	NWSW 13	22
		10	NENE 32.8	NWNE 14.3	SWNE 10.9	
			SENE 33.2	NESE 32.8	NWSE 3.7	
			SESE 24.4			152.1
		11	NWNW 9.6	SWNW 14	NWSW 38.5	
			SWSW 38.6			100.7
		14	NWNW 29.8	SWNW 10.9	NWSW 9	
			SWSW 6.1			55.8
		15	NENE 28.1	SENE 22.3	NESE 19.8	
			SESE 15.4			85.6
		17	NENW 8.7	NWNW 6		14.7
		22	NENE 12.7	SENE 17.5	NESE 23.7	
			SESE 19.3			73.2
		23	NWNW 12.1	SWNW 6.4		18.5
		26	NWSW 3.5	SWSW 3.8		7.3
		27	NENE 8.9	SENE 2.1	NESE 2.2	13.2
		35	NENW 6.2	NWNW 2.6	SENE 10.8	
			NESW 5.3	SESW 1		25.9
27S	46E	12	NWSW 4.8	SWSW 9.5		14.3
		13	NWNW 6.4	NWSW 1.2	SWSW 13.9	21.5
		14	SESE 4.3			4.3
		24	SWNE 4.8	NWNW 4.6	SENE 17.3	
			NWSE 18	SWSE 14.2	NESW 1	58.9
		25	NWNE 10.9	SWNE 3		
			NWSE 2.7	SWSE 10.5		28.1
		36	NENE 3.5	NWNE 3.7		7.2
Total acres irrigated:						2550.1

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NOV 20 2000

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 57-07153

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 502 Success Creek Rd. this 25 day of September, 2000.
Jordan Valley OK

Ronald C. Cigler, President
(Signature)

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NOV 20 2000

RECEIVED

OCT 5 - 2000

Department of Water Resources

State of Idaho
Department of Water ResourcesAPPLICATION FOR AMENDMENT

(For Licensing Purposes)

WATER RIGHT NO. 57-07153

FOR DEPARTMENT USE ONLY

Preliminary check by _____ Fee = \$ 50.00 Received by JDR # C050683 Date 10-5-00

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. 57-07153 with the following;

CONDITIONS OF APPROVAL AND REMARKS

1. The storage of water under this right is contingent upon continued certification by the Department of Water Resources under the dam safety provisions of the Idaho Code, authorizing storage.
2. This right when combined with all other rights shall provide no more than 4.5 afa per acre at the field headgate for irrigation of the lands above.
3. The right holder shall install/maintain permanent measuring devices in such a manner that the amount of water entering the reservoir and the amount of water released from the reservoir can be measured.
4. A single point of diversion is located on the line between the NENE and the NWNE, S7, T3S, R5W.

Witness my hand this 19th day of OCTOBER, 2000.

Karl J. Dreher
Acting for KARL J. DREHER, Director

MICROFILMED

NOV 20 2000

11/99

For Office Use Only
\$25 filing fee
Receipt # 6050797
Date 10.16.00

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES **RECEIVED**

ASSIGNMENT OF PERMIT

To change the ownership of a permit

OCT 10 2000

Department of Water Resources

I, Succor Creek Water Control District, hereby assign to Succor Creek District Improvement Company
of, Rockville Route, Jordan Valley OR 97910
(Full Address) (Phone)

All my right, title, and interest in and to Permit No 57-07153 to appropriate the public waters of the State of Idaho

OR (for partial assignments)

The following described portion of my right, title, and interest in and to for Permit No. _____ to appropriate the public waters of the State of Idaho
(Describe portion of the application for permit assigned, listing the number of acres in each 40 acre subdivision, point of diversion location, and amount of the water in cubic feet per second.)

The purpose of this assignment is to change the name on the Water Right from
"Succor Creek Water Control District" to "Succor Creek District Improvement Company."

Made this 4th day of October, 2000

By: Ronald Cunningham
Permit Holder(s) Ronald Cunningham, President

State of ~~Idaho~~ Oregon)
)ss
County of Malheur)

On this 4th day of October, 2000, personally appeared before me the signer(s) of the above instrument, who duly acknowledged to me that he (she) (they) executed the same.



Nina Bender
Notary Public residing at
Vale OR

My commission expires 9-29-2004

MICROFILMED

NOV 20 2000

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF EXTENDING THE PROOF DUE
DATE IN CONNECTION WITH PERMIT NO. 57-7153
IN THE NAME OF SUCCOR CREEK WATER CONTROL DISTRICT

ORDER

WHEREAS, on November 24, 1975, Succor Creek Water Control District applied to the Department of Water Resources for a permit to appropriate 6,340 acre feet per annum of water from Succor Creek tributary of the Snake River from a point within the NE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7, Twp. 3S, Rge. 5W B.M., Owyhee County, to be used for irrigation purposes; and,

WHEREAS, on October 9, 1976, the Department approved said application and issued Permit No. 57-7153 with the condition that proof of construction of works and application of water to beneficial use be submitted to the Department on or before November 1, 1978; and,

WHEREAS, on November 1, 1978, the permit holder submitted a request for an extension of time; and,

WHEREAS, it appears that under the circumstances, the permit holder has been proceeding with reasonable diligence and has given good cause for delay;

IT IS, THEREFORE, HEREBY ORDERED that the time within which to submit proof of beneficial use of water under Permit No. 57-7153 be extended to November 1, 1983.

Dated this 3rd day of November, 1978.


L. GLEN SAXTON

Chief, Operations Bureau

Identification No. _____

Application No. 57-7153

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION
APPLICATION FOR PERMIT

APPROVED

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

1. Name of applicant Succor Creek Water Control District
post office address Rockville Route, Marsing, Idaho 83639
- 2 Source of water supply Succor Creek which is a tributary of Snake River
- 3 a Location of point of diversion is NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 7 Township 3 S.
Range 5 W. B M Owyhee County; additional points of diversion if any: _____
(Dam is located in NE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$ and SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 7)
- b If water is not consumed, it will be discharged into Succor Creek at a point in SE $\frac{1}{4}$
of NE $\frac{1}{4}$ of Section 33 Township 23S Range 46E B.M. Willamette Meridian
4. Water will be used for the following purposes:
Amount 6340 for Irrigation purpose from May 1 to Oct 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 6340 for Storage for purpose from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum) irrigation
5. Total quantity to be appropriated:
a _____ cubic feet per second and/or
b 6340 acre feet per annum.
- 6 Proposed diverting works
a Description of ditches, flumes, pumps, headgates, etc 30-inch RC conduit
beneath dam
- b Height of storage dam 115 feet, active reservoir capacity 6340 acre feet, total reservoir
capacity 6340 acre feet, materials used in storage dam earth, gravel, rockfill.
Period of year during which storage will occur Nov 1 to June 1 inclusive.
(Mo Day) (Mo Day)
- c Proposed well diameter is _____ inches, proposed depth of well is _____ 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 \$ 612,000.
- 8 Description of proposed uses
a If water is **not** for irrigation
(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
supplied with domestic water _____
(5) If water is to be used for other purposes describe _____

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

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 **2258**

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 **USA (BLM)**

b. Who owns the land to be irrigated or place of use **Applicants**

c If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing **Applicant is making application through Bureau of Land Management for use of U. S. lands to obtain the benefits of Sections 18 and 20 of the act of March 3, 1891, as amended by the acts of March 4, 1917 and May 28, 1926.**

10 Remarks **Irrigated lands are entirely within the State of Oregon.**
See copy of Map to Accompany Application to Appropriate Water for Irrigation, filed with State of Oregon.

RANGE	TWP	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 $\frac{1}{4}$				
46 E, WM	23 S	33				0.5								0.3			17.3	7.0	4.5	23.5	1.9	55.0
46 E, WM	24 S	4								7.9	6.9											14.8
		5	19.5	7.6																		27.1
46 E, WM	25 S	17															0.7		3.2	18.4		22.3
		20								0.7								7.1	16.3	31.3	20.6	106.6
		28									2.9	3.7				7.9						14.
		29	28.4	32.5	26.6	28.3												34.9	24.8	11.6	36.9	224.0
		32	16.1																			16.1
		33				25.9	3.5	29.4	29.4	40.0	25.3	31.9	20.8	36.2	30.0	29.3	33.7					380.7
		34															1.4					32.9
46 E, WM	26 S	2																				35.9
		3				16.3		30.8	7.2	26.6	21.9		0.4	19.6	30.7	28.4	28.2					223.8
		4	17.8	1.0				30.3	33.0			25.4	21.7									130.8
		5	0.6				9.5										17.4				28.6	56.1
		8	38.7	0.7	24.1	36.6				0.9			17.6	18.9	26.9	8.3	0.7					173.4
		9						3.8	3.4			8.3	0.6									16.
		10	33.6	16.6	10.3	30.7								29.1	10.3	8.8	27.3					166.7
		11						11.9	14.1			28.9	35.0									89.9
		14						21.9	8.7			3.6										34.2
		15	28.9			19.1								16.2			12.4					76.6
		17						9.0	9.4	8.0												26.4
		22	11.4			20.9								21.8			18.1					72.2
		23							0.9													0.9
		26										4.2	8.3	1.1								13.6
		27	9.4			4.2								2.8								16.4
		35						6.5	0.6	7.0	5.2		0.4									19.7

[illegible]

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

[illegible]

Scale: 2 inches equal 1 mile

**See accompanying map, Sheet 2 of Texas Basin Dam
Maps and Construction Plans.**

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. SUCKER CREEK WATER CONTROL DISTRICT

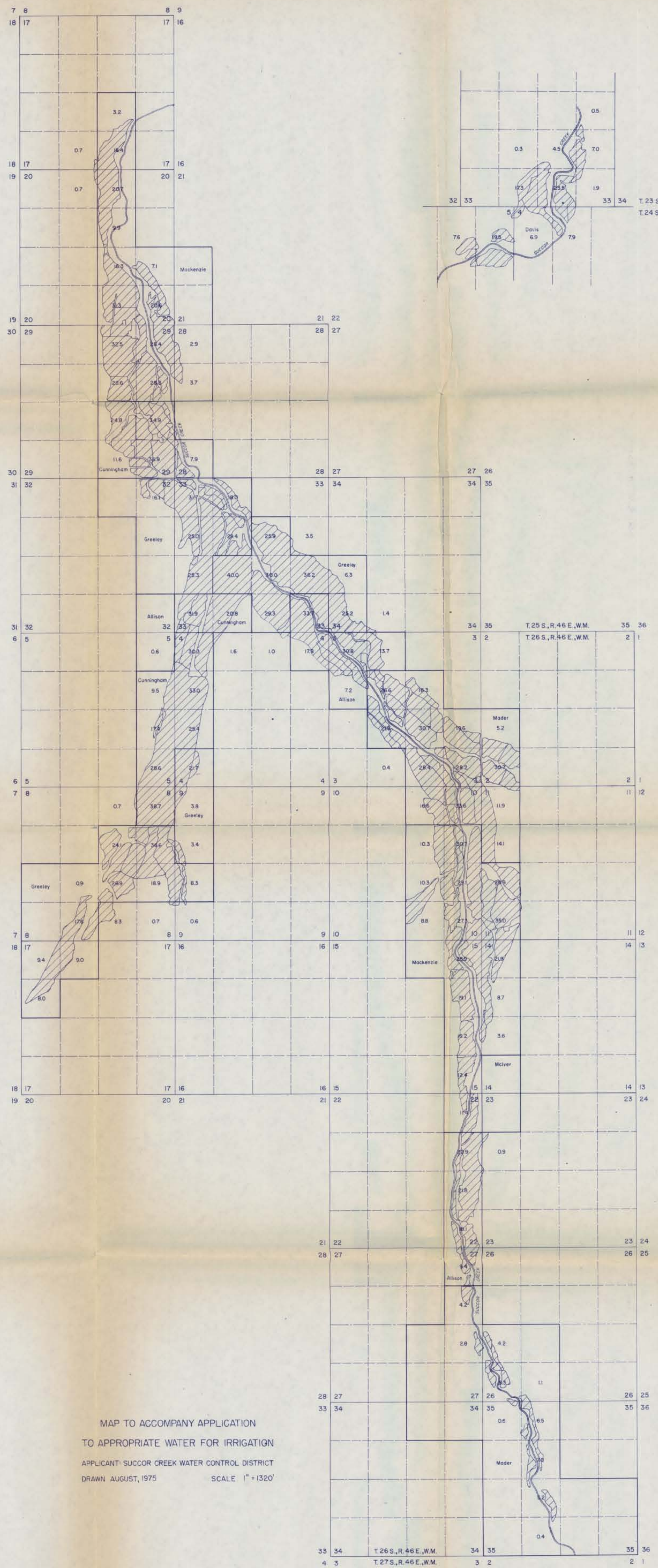
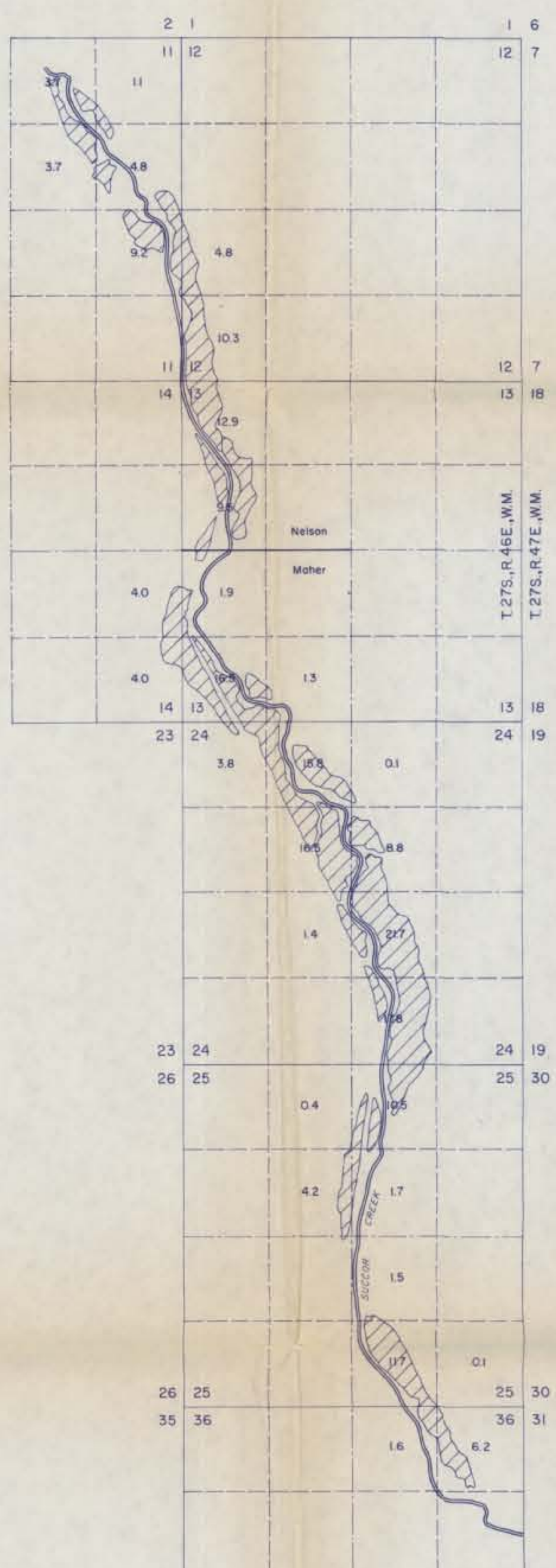
SUCKER CREEK WATER CONTROL DISTRICT

By

Andrew Greeky Jr
(Applicant)
President

(Applicant)

President



MAP TO ACCOMPANY APPLICATION
TO APPROPRIATE WATER FOR IRRIGATION
APPLICANT: SUCCOR CREEK WATER CONTROL DISTRICT
DRAWN AUGUST, 1975 SCALE 1"=1320'

Proposed priority: 11/24/1975

CLS 11/24/75
Received by DLB Date 11/17/75 Time 3:30 pm 435⁰⁰ Water Right
Preliminary check by RWH Fee \$ 1102⁰⁰ 767⁰⁰ Dam Fee
Receipted by CLS Date 11-24-75 # 1319 ~~1780~~ short, Bill G. writing
Publication prepared by CLS Date 11-28-75 ~~thru~~
Published in Owyhee Nugget
Publication dates Dec. 4 & 11
Publication approved CLS Date 12-16-75
Priority reduced to _____ Reason _____

Protests filed by _____

Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by JHJ JDF

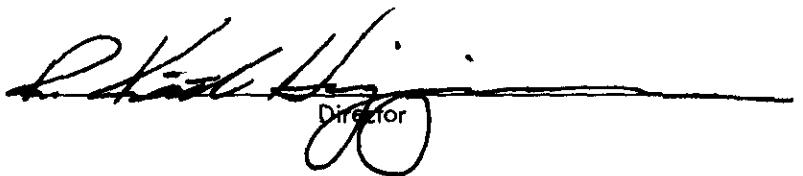
ACTION OF THE DIRECTOR, DEPARTMENT OF WATER ADMINISTRATION

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 57-7153, 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 November 1, 1978.
- c. Other. (1) Measuring devices of a type approved by the Director shall be permanently installed and maintained to measure the inflow and outflow of the reservoir.
(2) The issuance of this permit in no way grants any right-of-way or easement across the land of another person.

Witness my hand this 7 day of October, 1976.


Director

PROOF OF PUBLICATION

STATE OF IDAHO

County of Owyhee

} s.s.

I, RODNEY A. HAWES, being first duly sworn, on oath says that he is the Publisher of the OWYHEE NUGGET, a newspaper of general circulation, published weekly by Rodney A. Hawes, publisher and printer thereof, at Marsing, County of Owyhee, State of Idaho;

That the annexed notice was published in said newspaper once each week and every week for 7 consecutive weeks, the first publication being on the 4 day of December, 1975, and the last publication being on the 11 day of December, 1975;

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

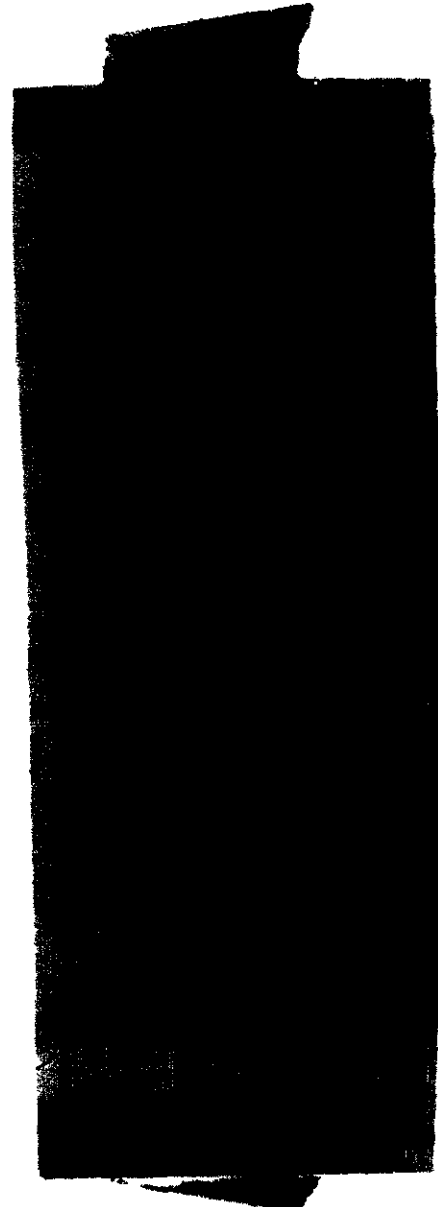
Rodney A. Hawes
PUBLISHER

Subscribed and sworn to before me this 11 day of Dec, 1975.

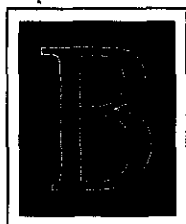
Leonard S. Hawes
NOTARY PUBLIC

My commission expires 9-10-76

(SEAL)



Oh
cls
12-16-75



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

FEB 22 2002

Department of Water Resources

February 20, 2002

L. Glen Saxton
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

Re: Succor Creek District Improvement Company
Permit No. 57-7571 and License No. 57-7153
Project No. 465-01-2000

Dear Mr. Saxton:

The development of the flow measurement plan as outlined in my letter and proposal dated April 4, 2001 has been completed.

The outlet gate was rated by current metering the discharge at three gate stem settings and at three reservoir elevations over the 2001 irrigation season. A curve fit was obtained using the orifice equation and the known geometry of the outlet gate. The attached spreadsheet shows the nine measured discharge points and the corresponding theoretical curves. The fit is excellent, with eight of the points lying very close to the theoretical curves. The only anomaly is the high-flow point at the low reservoir elevation. No reasonable modification to the theoretical curves can account for this variation and still agree with the eight other points, since the measured flow is not consistent with the orifice equation. Since the current meter measurement at this point was deemed to be less accurate than the others due to irregular flow patterns in the channel, it was decided to discard this point when developing the gate rating.

A level-measurement system was also installed, consisting of a WaterLog H-310-30 pressure transducer with a range of 0 to 69 ft and an accuracy of 0.02%. The transducer was mated to a WaterLog H-500-XL data recorder. The transducer was installed in a 3-inch PVC sheath and set approximately 10 feet vertically below the low water level in the reservoir. The system was tested and operated properly.

A document describing the operating methodology, procedures, and maintenance for the flow measurement system was prepared. This document contains the gate rating table, the reservoir storage curve, and a copy of the spreadsheet developed to automate the flow calculations.

MICROFILMED

MAY 16 2002

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506

additional information such as current meter calculations, notes, or more details on the development of the rating curves, I would be happy to provide it.

It is the intent of the Succor Creek District Improvement Company to utilize this flow measurement procedure during the irrigation season of 2002. Please review the documentation and let me know if you have any comments or questions, if possible prior to the upcoming season.

Sincerely,


Charles G. Brockway, P.E.

Enc: Plot showing gate rating results
Operating procedures

cc Ron Cunningham

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APR 16 2002

Operating Procedures for the Succor Creek Reservoir Discharge Measurement System

Brockway Engineering, PLLC
February 20, 2002

Methodology

Measurement of the discharge entering and the discharge exiting the Succor Creek Reservoir is accomplished by a combination of a rating table for the outlet gate and precise measurement of reservoir storage change.

The outlet gate was rated during 2001 by measuring the discharge with a current meter at three gate openings and at three reservoir elevations. The rating table or rating curves dated November 27, 2001 should be used to determine the outlet gate discharge unless future flow measurements warrant a shift in the table.

The reservoir storage measurement is accomplished using a pressure transducer which senses the elevation of the reservoir to within +/-0.014 feet. An electronic display and data recorder is located in the gate house. The elevation is translated to a storage volume in acre-feet using curves prepared for the construction of the dam. The reservoir storage curve dated November 27, 2001 should be used.

The change in volume over a certain time period during which the outlet gate setting is fixed yields the *average net reservoir inflow*, which equals the average inflow minus the average outflow:

$$\frac{S_2 - S_1}{\Delta t} = \bar{I} - \bar{Q}$$

where Δt = time-averaging period, S_i = the reservoir content at time i , $\bar{I}$ = time-averaged inflow, and $\bar{Q}$ = time-averaged outflow. The time-averaging period, in a practical sense, will be the time between operator visits to the dam.

Over the time period Δt , the average outflow can be calculated by averaging the outflow at the starting reservoir elevation and the outflow at the ending reservoir elevation, assuming the outflow vs. reservoir elevation curve is linear over the small change in storage.

$$\frac{S_2 - S_1}{\Delta t} = \bar{I} - \frac{Q_1 + Q_2}{2}$$

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MAY 16 2002

Note that while the instantaneous outflow can be calculated at any time given reservoir elevation and gate setting, the inflow must be calculated as an average over a time period. Substituting the functions relating storage to elevation and outflow to gate setting and elevation, we have

$$\frac{S(z_2) - S(z_1)}{\Delta t} = \bar{I} - \frac{Q(d, z_1) + Q(d, z_2)}{2}$$

where d = the stem height setting of the outlet gate (constant over Δt) and z_i = reservoir elevation at time i . Solving for the only unknown, $\bar{I}$, yields

$$\bar{I} = \frac{S(z_2) - S(z_1)}{\Delta t} + \frac{Q(d, z_1) + Q(d, z_2)}{2}$$

This equation is used to find the average inflow over Δt given all other known or calculated values.

A spreadsheet was developed to automate this process. The operator inputs the exact time of the visit, the gate stem height set at the time of the visit, and the reservoir elevation from the digital recorder. The spreadsheet calculates outflow, storage change, and average inflow.

Procedures

1. A visit to the dam should be made at least once per week. During the visit, the operator must perform the following tasks:
 - Set the gate to the desired opening and measure the stem height to the nearest 1/8".
 - Record the time the gate was set to the nearest 5 minutes.
 - Read the display on the data recorder in the gate house and record the reservoir elevation to the hundredth of a foot.
2. Enter the data each week into the reservoir flow measurement spreadsheet. The spreadsheet will calculate average inflow for the previous time period.
3. Report the flow measurements to the Idaho Department of Water Resources as required.

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MAY 16 2002

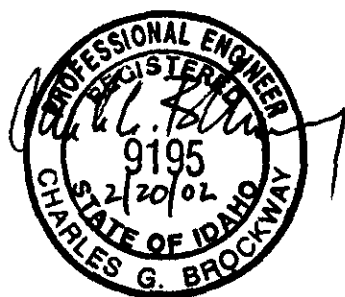
Setup and Maintenance

The perforated end of the transducer conduit must be kept free of sedimentary deposition. If it appears that deposition is impairing the transducer performance, use an air compressor connected to the conduit at the gate house to backflush the conduit.

At the beginning of each irrigation season:

- Connect the data recorder to the transducer and the battery.
- Reset the data recorder to the exact reservoir elevation using the staff gauge near the gate house. This step is very important to keep the recorder setting in line with actual water elevation. If the water level falls below the gauge before the data recorder can be reset, the water elevation must be surveyed from the benchmark on the gate house foundation.
- Set the data recorder to log a data point every 6 hours.
- Set the gate at the desired setting, measure and record the gate stem, and record the reservoir elevation.

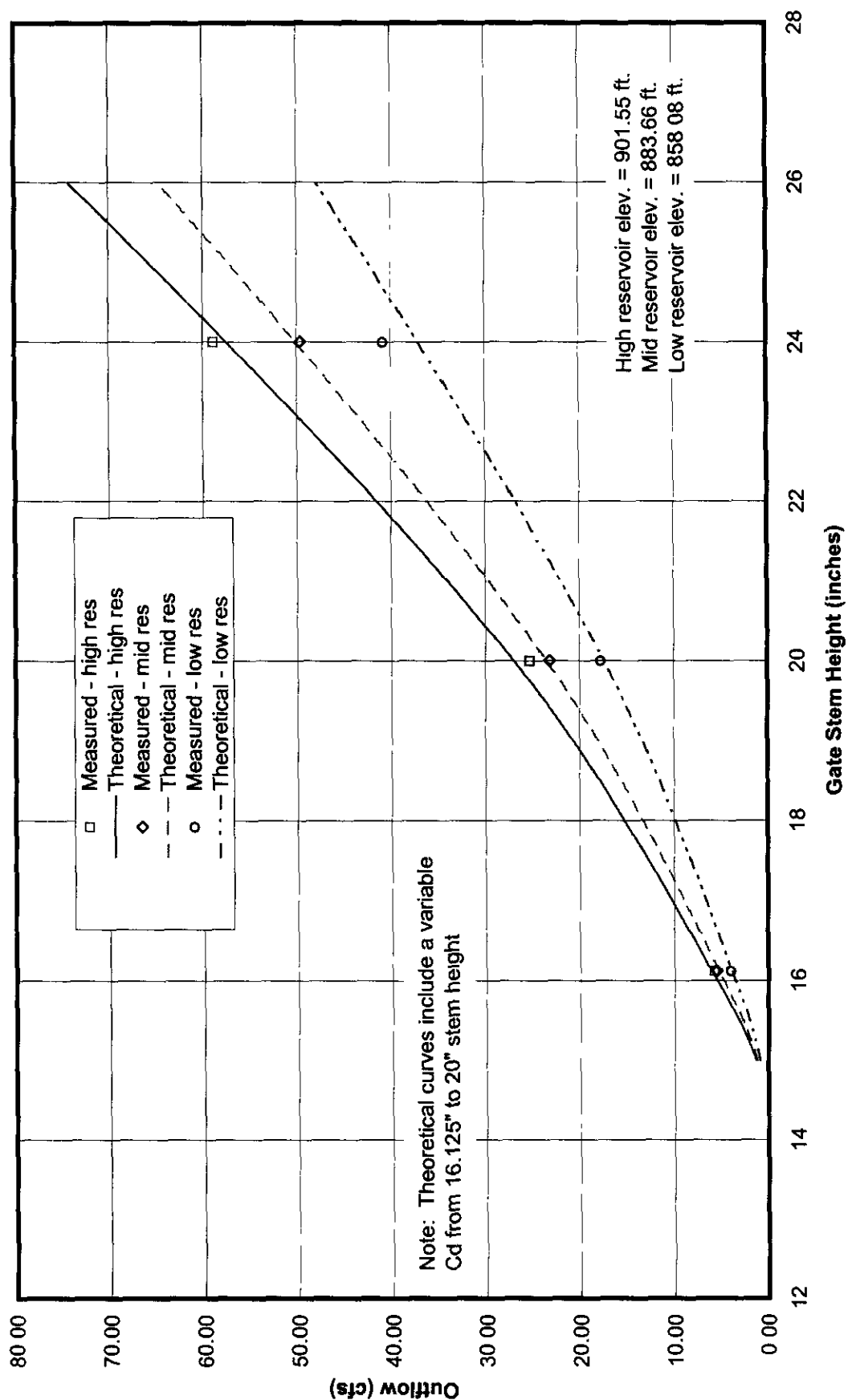
At the end of each irrigation season (typically in October), disconnect the battery from the data recorder and remove it from the gate house. The data recorder is rated for below-zero temperatures, so it could be left in the gate house over the winter. However, it would be better to disconnect the recorder and remove it to a warmer location.



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MAY 16 2002

Succor Creek Dam - Outlet Pipe Rating Results



MICROFILMED
 MAR 17 2002

DISCHARGE RATING TABLE - SUCCOR CREEK RESERVOIR OUTLET GATE

Succor Creek District Improvement Company

Prepared by C. G. Brockway, P.E. November 27, 2001

DISCHARGE IN CUBIC FEET PER SECOND

GATE STEM (INCHES)	R E S E R V O I R E L E V A T I O N (FEET)											
	860	865	870	875	880	885	890	895	900	905	910	912
15	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
15 1/8	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8	1.8
15 1/4	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3
15 3/8	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8
15 1/2	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
15 5/8	2.4	2.6	2.8	3.0	3.1	3.2	3.4	3.5	3.6	3.8	3.9	3.9
15 3/4	2.8	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.2	4.3	4.5	4.5
15 7/8	3.2	3.4	3.7	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.2
16	3.6	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.7	5.8
16 1/8	4.0	4.3	4.6	4.9	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.5
16 1/4	4.4	4.7	5.0	5.3	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.1
16 3/8	4.8	5.2	5.5	5.8	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.7
16 1/2	5.2	5.6	5.9	6.3	6.6	6.9	7.2	7.5	7.7	8.0	8.2	8.3
16 5/8	5.6	6.0	6.4	6.7	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.0
16 3/4	6.0	6.4	6.8	7.2	7.6	7.9	8.3	8.6	8.9	9.2	9.5	9.6
16 7/8	6.4	6.8	7.3	7.7	8.1	8.5	8.8	9.2	9.5	9.8	10.1	10.2
17	6.8	7.3	7.7	8.2	8.6	9.0	9.4	9.7	10.1	10.4	10.8	10.9
17 1/8	7.2	7.7	8.2	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.5
17 1/4	7.6	8.2	8.7	9.2	9.6	10.1	10.5	10.9	11.3	11.7	12.1	12.2
17 3/8	8.0	8.6	9.1	9.7	10.2	10.6	11.1	11.5	11.9	12.3	12.7	12.9
17 1/2	8.4	9.0	9.6	10.2	10.7	11.2	11.7	12.1	12.5	13.0	13.4	13.5
17 5/8	8.8	9.5	10.1	10.7	11.2	11.7	12.2	12.7	13.2	13.6	14.0	14.2
17 3/4	9.3	9.9	10.6	11.2	11.8	12.3	12.8	13.3	13.8	14.3	14.7	14.9
17 7/8	9.7	10.4	11.1	11.7	12.3	12.9	13.4	13.9	14.4	14.9	15.4	15.6
18	10.1	10.9	11.6	12.2	12.8	13.4	14.0	14.5	15.1	15.6	16.1	16.3
18 1/8	10.6	11.3	12.1	12.7	13.4	14.0	14.6	15.2	15.7	16.3	16.8	17.0
18 1/4	11.0	11.8	12.6	13.3	14.0	14.6	15.2	15.8	16.4	16.9	17.5	17.7
18 3/8	11.4	12.3	13.1	13.8	14.5	15.2	15.8	16.4	17.0	17.6	18.2	18.4
18 1/2	11.9	12.8	13.6	14.4	15.1	15.8	16.5	17.1	17.7	18.3	18.9	19.1
18 5/8	12.4	13.3	14.1	14.9	15.7	16.4	17.1	17.7	18.4	19.0	19.6	19.8
18 3/4	12.8	13.8	14.6	15.5	16.3	17.0	17.7	18.4	19.1	19.7	20.3	20.6
18 7/8	13.3	14.3	15.2	16.0	16.8	17.6	18.4	19.1	19.8	20.4	21.1	21.3
19	13.8	14.8	15.7	16.6	17.5	18.3	19.0	19.8	20.5	21.2	21.8	22.1
19 1/8	14.2	15.3	16.3	17.2	18.1	18.9	19.7	20.5	21.2	21.9	22.6	22.9
19 1/4	14.7	15.8	16.8	17.8	18.7	19.6	20.4	21.2	21.9	22.7	23.4	23.7
19 3/8	15.2	16.4	17.4	18.4	19.3	20.2	21.1	21.9	22.7	23.5	24.2	24.5
19 1/2	15.8	16.9	18.0	19.0	20.0	20.9	21.8	22.6	23.5	24.2	25.0	25.3
19 5/8	16.3	17.5	18.6	19.6	20.6	21.6	22.5	23.4	24.2	25.1	25.8	26.2
19 3/4	16.8	18.0	19.2	20.3	21.3	22.3	23.2	24.2	25.0	25.9	26.7	27.0
19 7/8	17.4	18.6	19.8	20.9	22.0	23.0	24.0	24.9	25.8	26.7	27.6	27.9
20	17.9	19.2	20.5	21.6	22.7	23.8	24.8	25.7	26.7	27.6	28.4	28.8
20 1/8	18.5	19.8	21.1	22.3	23.4	24.5	25.6	26.6	27.5	28.4	29.3	29.7
20 1/4	19.1	20.5	21.8	23.0	24.2	25.3	26.4	27.4	28.4	29.3	30.3	30.6
20 3/8	19.6	21.1	22.4	23.7	24.9	26.1	27.2	28.2	29.2	30.2	31.2	31.6
20 1/2	20.2	21.7	23.1	24.4	25.7	26.8	28.0	29.1	30.1	31.1	32.1	32.5

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NOV 10 2002

THESE MEASUREMENTS
COULD BE IN ERROR SINCE
THERE IS USUALLY SOME
SLACK IN THE GATE STEM,
& THE READINGS MAY BE
DIFFERENT DEPENDING
ON IF YOU ARE OPENING
OR CLOSING GATE.
3/5/02

DISCHARGE RATING TABLE - SUCCOR CREEK RESERVOIR OUTLET GATE

Succor Creek District Improvement Company

Prepared by C. G. Brockway, P E

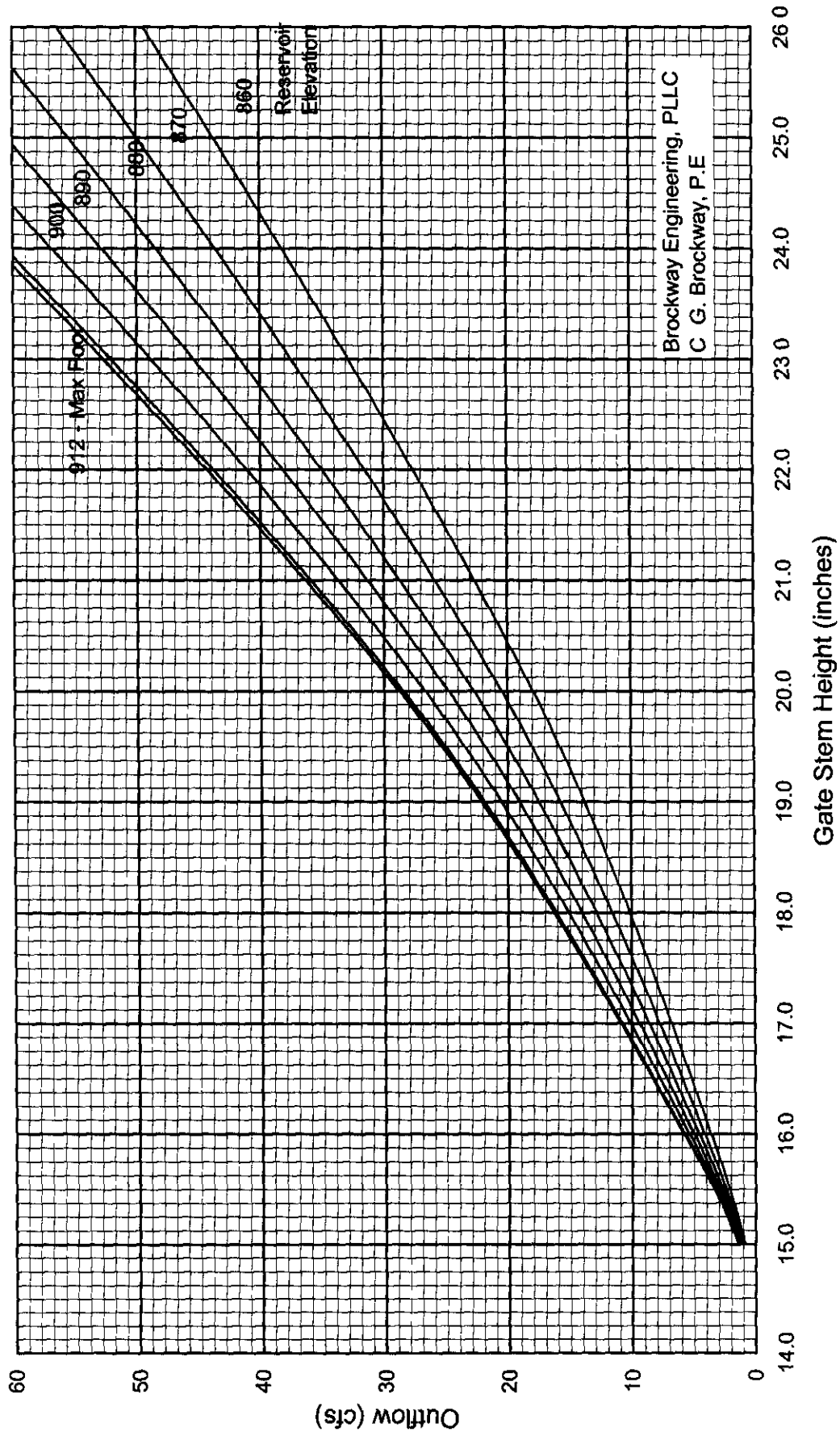
November 27, 2001

DISCHARGE IN CUBIC FEET PER SECOND

GATE STEM (INCHES)	RESERVOIR ELEVATION (FEET)											
	860	865	870	875	880	885	890	895	900	905	910	912
20 5/8	20.8	22.4	23.8	25.1	26.4	27.6	28.8	29.9	31.0	32.0	33.1	33.5
20 3/4	21.4	23.0	24.5	25.9	27.2	28.4	29.6	30.8	31.9	33.0	34.0	34.4
20 7/8	22.0	23.6	25.2	26.6	27.9	29.2	30.5	31.6	32.8	33.9	35.0	35.4
21	22.6	24.3	25.8	27.3	28.7	30.0	31.3	32.5	33.7	34.8	35.9	36.4
21 1/8	23.2	24.9	26.5	28.0	29.5	30.8	32.1	33.4	34.6	35.8	36.9	37.3
21 1/4	23.9	25.6	27.2	28.8	30.2	31.6	33.0	34.3	35.5	36.7	37.9	38.3
21 3/8	24.5	26.3	27.9	29.5	31.0	32.5	33.8	35.2	36.4	37.7	38.8	39.3
21 1/2	25.1	26.9	28.7	30.3	31.8	33.3	34.7	36.0	37.4	38.6	39.8	40.3
21 5/8	25.7	27.6	29.4	31.0	32.6	34.1	35.6	36.9	38.3	39.6	40.8	41.3
21 3/4	26.3	28.3	30.1	31.8	33.4	34.9	36.4	37.8	39.2	40.5	41.8	42.3
21 7/8	27.0	29.0	30.8	32.6	34.2	35.8	37.3	38.8	40.2	41.5	42.8	43.3
22	27.6	29.6	31.5	33.3	35.0	36.6	38.2	39.7	41.1	42.5	43.8	44.4
22 1/8	28.3	30.3	32.3	34.1	35.8	37.5	39.1	40.6	42.1	43.5	44.8	45.4
22 1/4	28.9	31.0	33.0	34.9	36.6	38.3	40.0	41.5	43.0	44.5	45.9	46.4
22 3/8	29.5	31.7	33.7	35.6	37.5	39.2	40.8	42.4	44.0	45.5	46.9	47.5
22 1/2	30.2	32.4	34.5	36.4	38.3	40.0	41.7	43.4	44.9	46.5	47.9	48.5
22 5/8	30.8	33.1	35.2	37.2	39.1	40.9	42.6	44.3	45.9	47.5	49.0	49.5
22 3/4	31.5	33.8	36.0	38.0	39.9	41.8	43.6	45.2	46.9	48.5	50.0	50.6
22 7/8	32.2	34.5	36.7	38.8	40.8	42.7	44.5	46.2	47.9	49.5	51.0	51.7
23	32.8	35.2	37.5	39.6	41.6	43.5	45.4	47.1	48.8	50.5	52.1	52.7
23 1/8	33.5	35.9	38.2	40.4	42.5	44.4	46.3	48.1	49.8	51.5	53.1	53.8
23 1/4	34.1	36.7	39.0	41.2	43.3	45.3	47.2	49.1	50.8	52.5	54.2	54.9
23 3/8	34.8	37.4	39.8	42.0	44.1	46.2	48.1	50.0	51.8	53.6	55.3	55.9
23 1/2	35.5	38.1	40.5	42.8	45.0	47.1	49.1	51.0	52.8	54.6	56.3	57.0
23 5/8	36.2	38.8	41.3	43.6	45.9	48.0	50.0	52.0	53.8	55.6	57.4	58.1
23 3/4	36.8	39.5	42.1	44.5	46.7	48.9	50.9	52.9	54.8	56.7	58.5	59.2
23 7/8	37.5	40.3	42.8	45.3	47.6	49.8	51.9	53.9	55.9	57.7	59.6	60.3
24	38.2	41.0	43.6	46.1	48.4	50.7	52.8	54.9	56.9	58.8	60.6	61.4
24 1/8	38.9	41.7	44.4	46.9	49.3	51.6	53.8	55.9	57.9	59.8	61.7	62.5
24 1/4	39.6	42.5	45.2	47.8	50.2	52.5	54.7	56.9	58.9	60.9	62.8	63.6
24 3/8	40.3	43.2	46.0	48.6	51.1	53.4	55.7	57.8	59.9	62.0	63.9	64.7
24 1/2	41.0	44.0	46.8	49.4	51.9	54.3	56.6	58.8	61.0	63.0	65.0	65.8
24 5/8	41.6	44.7	47.6	50.3	52.8	55.3	57.6	59.8	62.0	64.1	66.1	66.9
24 3/4	42.3	45.4	48.4	51.1	53.7	56.2	58.5	60.8	63.0	65.2	67.2	68.0
24 7/8	43.0	46.2	49.1	51.9	54.6	57.1	59.5	61.8	64.1	66.2	68.3	69.1
25	43.7	46.9	49.9	52.8	55.5	58.0	60.5	62.8	65.1	67.3	69.4	70.3
25 1/8	44.4	47.7	50.7	53.6	56.4	59.0	61.5	63.8	66.2	68.4	70.5	71.4
25 1/4	45.1	48.5	51.6	54.5	57.2	59.9	62.4	64.9	67.2	69.5	71.7	72.5
25 3/8	45.8	49.2	52.4	55.3	58.1	60.8	63.4	65.9	68.3	70.6	72.8	73.7
25 1/2	46.6	50.0	53.2	56.2	59.0	61.8	64.4	66.9	69.3	71.6	73.9	74.8
25 5/8	47.3	50.7	54.0	57.0	59.9	62.7	65.4	67.9	70.4	72.7	75.0	75.9
25 3/4	48.0	51.5	54.8	57.9	60.8	63.6	66.3	68.9	71.4	73.8	76.2	77.1
25 7/8	48.7	52.3	55.6	58.7	61.7	64.6	67.3	69.9	72.5	74.9	77.3	78.2
26	49.4	53.0	56.4	59.6	62.6	65.5	68.3	71.0	73.5	76.0	78.4	79.4

Succor Creek Reservoir Outlet Gate Rating

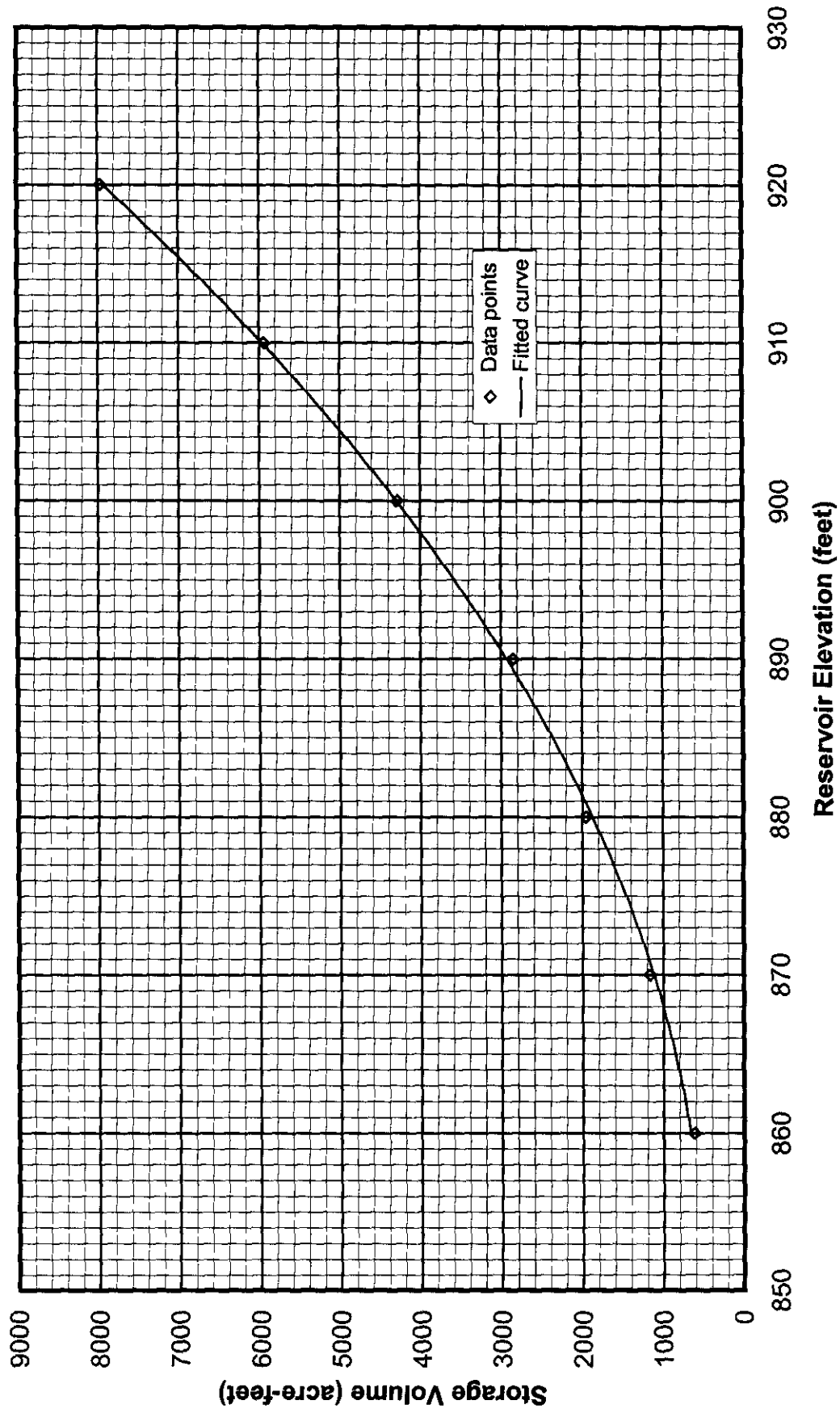
November 27, 2001



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MAY 16 2002

Succor Creek Reservoir Storage Curve

Prepared in 1975 for dam construction by James D. Hanley, P.E.



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MAY 15 2002

Succor Creek District Improvement Company
Jordan Valley, Oregon

- ▶ Enter date and time of operator visit to the dam to the nearest 5 minutes
- ▶ Enter the height of the gate stem set by the operator at the time of the visit - slant distance, nut to top of stem
- ▶ Enter the reservoir elevation reading from the data recorder at the time of the visit

[illegible]

~~MICROFILM~~

NY 100-2992

Procedure developed by Brockway Engineering

Version 1
January 16, 2002

► Enter date and time of operator visit to the dam to the nearest 5 minutes

► Enter the height of the gate stem set by the operator at the time of the visit - slant distance from nut to top of stem

► Enter the reservoir elevation reading from the data recorder at the time of the visit

[illegible][illegible]

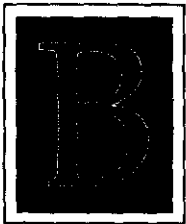
Qout calculated from outlet gate rating table with stem height and reservoir elevation

Storage taken from curve developed at the time of dam construction

No gate setting changes between operator visits

Qout = outflow at beginning of time period

Qout' = outflow at end of time period (before gate setting is changed)



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P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

AUG 15 2001

Department of Water Resources

August 13, 2001

L. Glen Saxton
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

Re: Succor Creek District Improvement Company
Permit No. 57-7571 and License No. 57-7153
Project No. 465-01-2000

Dear Mr. Saxton:

I am writing to give you an update on the development of the inflow and outflow measurement procedures for the Succor Creek Reservoir.

Recall that the objectives were 1) to develop a set of accurate rating curves for the outlet gate, based on gate opening and reservoir elevation, and 2) to install equipment to accurately measure and record the level of the reservoir. The change in reservoir storage would then be utilized with the outflow measurement to compute reservoir inflow.

To date, two sets of measurements have been made on the reservoir outflow. On each day, the reservoir elevation was surveyed relative to the elevation of a known benchmark on the dam. The outflow was then measured with a current meter in the tailrace below the dam for three settings of the outlet gate. Outflow ranged from 6 cfs to 59 cfs. The first measurement, on June 7, 2001, was made at a reservoir elevation of 901.6 ft, and represents a "high" reservoir elevation. The second, on July 13, 2001, was made at an elevation of 883.7 feet, representing a "medium" reservoir elevation. The current meter measurements were rated "good" to "excellent" by USBR standards. A preliminary comparison with the theoretical gate discharge curves indicates very good agreement. Based on these results, I believe the rating curve approach will be viable.

I anticipate that the next measurement will be made near the end of August, when the reservoir is near the minimum pool elevation of 860 feet.

The District is in the process now of acquiring level-measuring equipment to be installed the same day as the last flow measurement. The equipment will likely be a high-accuracy ($\pm 0.05\%$) submersible pressure transducer set at

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
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2016 NORTH
WASHINGTON
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TWIN FALLS,
IDAHO 83301

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AUG 17 2001

approximately elevation 855 feet, and a data recorder in the gatehouse. The transducer cable will be protected from ice and other hazards by a conduit buried below the rock in the upstream face of the dam.

Barring unforeseen circumstances, the ratings curves and operating procedures will be developed and all equipment will be installed this fall, in time for the 2002 irrigation season. Thanks again for your approval of this approach to satisfy the permit and license conditions.

Regards,


Charles G. Brockway, R.E.

cc: Ron Cunningham, Pres. - Succor Creek District Improvement Company

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OCT 12 2001



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

April 11, 2001

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

BROCKWAY ENGINEERING
2016 NORTH WASHINGTON ST #4
TWIN FALLS ID 83301

ATTN Charles G Brockway

**RE: PERMIT NO. 57-7571 AND LICENSE NO. 57-7153 – SUCCOR CREEK
DISTRICT IMPROVEMENT COMPANY**

Dear Mr. Brockway

I have received the report you submitted titled Proposed Procedure for Inflow and Outflow Measurement – Succor Creek Reservoir. In your letter you note that this proposal is being offered to satisfy the Permit and License condition requiring that permanent measuring devices be installed to monitor the inflow and outflow from the reservoir.

Staff review of the water rights indicates that Permit number 57-7571 and License number 57-7153 both contain a version of the following condition: "The right holder shall install/maintain permanent measuring devices in such a manner that the amount of water entering the reservoir and the amount of water released from the reservoir can be measured". Your report discusses the access constraints preventing the installation of conventional measuring devices. The proposed alternative for developing a combination of rating curves for the outlet gate and reservoir level change measurements to monitor inflow appears to constitute a reasonable measurement plan to meet the intent of the permit and license conditions

Given that the theoretical rating curves and implementation methods are still being developed, you need to keep the department informed of methodology changes, field results and final operational procedures. The department reserves the right to review the final measurement plan and require modifications if the methods prove to be inadequate for proper distribution of water.

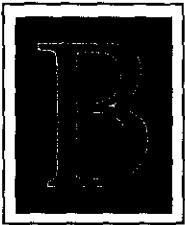
Please contact us if you have questions or if this office can be of further assistance

Sincerely,

L. GLEN SAXTON, P.E.
Chief, Water Allocation Bureau

c: Succor Creek District Improvement Company

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Hydraulics

Hydrology

Water Resources

RECEIVED

APR - 5 2001

Department of Water Resources

April 4, 2001

Mr. Glen Saxton
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

VIA FEDEX - Priority Overnight

Re: Succor Creek District Improvement Company
Flow measurement requirements

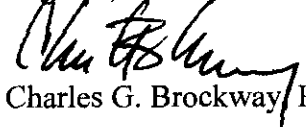
Dear Mr. Saxton:

Enclosed is a proposal and supporting analysis for implementing a flow measurement program for the Succor Creek dam and reservoir. This proposal is being made pursuant to the condition on the storage water right requiring inflow and outflow measuring provisions. We have discussed by telephone the difficulties involved in constructing in-stream measuring devices in Succor Creek, and I understand you will entertain alternate plans to achieve both upstream and downstream discharge measurements. The proposal outlines a plan to utilize a field-verified theoretical rating of the reservoir outlet gate in combination with accurate reservoir water level sensing. It appears that such a plan will be feasible and will achieve a reasonable level of accuracy given the conditions.

The Succor Creek District Improvement Company is under somewhat of a time constraint. They must apply to the State of Oregon by April 15, 2001 for a grant to implement whatever flow measurement plan is selected, whether it be measuring devices or an alternate method. I realize this is extremely short notice for you to act on this proposal, but if at all possible I would greatly appreciate a quick response so that the upcoming deadline can be met.

Please do not hesitate to call if you have any questions or if I can assist in your evaluation of the proposal.

Regards,


Charles G. Brockway, P.E.

cc: Ron Cunningham

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Proposed Procedure for Inflow and Outflow Measurement – Succor Creek Reservoir

Submitted to the Idaho Department of Water Resources

Brockway Engineering, PLLC
April 3, 2001

Background

The Succor Creek dam and reservoir were constructed in the late 1970s as an irrigation storage facility serving downstream users from the reservoir to the confluence of Succor Creek and the Snake River. The original name of the dam was Texas Basin Dam. A vicinity map showing the location of the reservoir is provided with this proposal. The current organization utilizing water from the reservoir is the Succor Creek District Improvement Company, comprised of 8 water users within a service area of over 2700 irrigated acres. Ron Cunningham of Jordan Valley is the current president of the company and is chiefly responsible for operation of the dam and reservoir.

The reservoir is located in the Owyhee mountains, on a stream which exhibits hydrologic behavior typical of most watersheds in the Owyhees. Spring runoff peaks are of short duration and very large magnitude, and the stream discharge decreases rapidly through May and June to less than 2 cfs estimated low flow. No streamflow measurements on Succor Creek have been made, but peak flows are estimated to be as high as 4,000 cfs, based on the hydrologic response of the nearby Reynolds Creek experimental watershed data.

The reservoir surface area at full stage (water surface at the spillway elevation) is 190 acres, according to engineering drawings prepared for the dam's construction. Storage at this stage is 6340 acre-feet. At the end of the irrigation season when dead pool storage of 400 acre-feet remains, the water surface area is 32 acres. In a typical year, the reservoir fills and the spillway overtops in the spring. A large 75-foot spillway excavated from the east rock abutment of the dam carries flood flows. According to the District president, there have been very few years when the reservoir does not fill.

Controlled releases from the reservoir are accomplished using a 30-inch slide gate operated from a gatehouse on the dam crest. The gate is set parallel with the dam face, and the gate stem is in an oil-filled sheath running up to the gatehouse. The gate is a rising-stem type. Water discharges into a 24-inch stainless-steel pipe which expands to a 30-inch reinforced concrete pipe. The stainless steel pipe was retrofitted after the original 30-inch steel pipe corroded beyond repair. The 30-inch concrete conduit is laid through the dam and water free discharges into a small tailrace before re-entering

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APR 17 2001

Succor Creek. Included with this narrative are copies of pertinent portions of the engineering drawings.

Water rights for the reservoir are as follows.

57-07153

This is the original storage and irrigation right for the reservoir, allowing 6340 acre-feet of storage and irrigation of 2900 acres. 70 of these acres are in Idaho; the remainder are in Oregon. This right is still in the permit stage, but has been decreed in the SRBA with language subjecting it to all conditions or requirements which may be attached in the appropriations process.

57-07571

This is a permit for 400 acre feet of dead storage to be drawn as needed for stockwater uses, mainly in the non-irrigation season. Proof was filed in March 1994, but this right has not yet been licensed.

A condition on the water right addresses discharge measuring requirements for reservoir inflow and outflow. The condition reads: "The rightholder shall install/maintain permanent measuring devices in such a manner that the amount of water entering the reservoir and the amount of water released from the reservoir can be measured." The rationale behind this condition is not known. Water right and adjudication files obtained from IDWR provide no evidence. One reason may be to protect downstream users having natural flow water rights on Succor Creek, or to administer these water rights. These rights would technically be active only when there is sufficient natural flow in Succor Creek, i.e. upstream of the reservoir. In practice, however, these rights have not historically been administered in this way – the users have simply drawn water as needed even though some of this water may have been released storage, according to Ron Cunningham.

Satisfying the measuring device condition by constructing in-stream flow measuring devices poses two difficult problems. First, the location of the reservoir is extremely remote and difficult to access (impossible to access for certain types of heavy equipment). Setting a device in Succor Creek upstream of the reservoir would likely require cutting a new road to allow heavy equipment to access the site. Downstream sites are slightly easier to access, but the preferred location just downstream of the dam can be accessed only by an extremely steep roadway that would allow access only by small trucks. Concrete would likely have to be conveyed to this site from the top of the dam by system of chutes. See the attached photographs of potential upstream and downstream sites.

Glen Saxton of the Idaho Department of Water Resources indicated that the measuring device condition could not be waived since one of the rights has been decreed by the SRBA court. However, the language of the condition appears to allow some leeway to provide for inflow and outflow measurement by means other than directly with in-stream devices. Mr. Saxton concurs with this interpretation. A site visit made by Brockway Engineering staff on November 15, 2000 and a review of the dam construction confirmed that the only means of inflow/outflow measurement possible without in-stream weirs or

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flumes would be a combination of rating curves for the 30-inch outlet gate and very precise reservoir level change measurements.

This narrative presents an analysis of this alternative approach and the estimated measurement error associated with it to determine whether this approach is feasible.

Outlet Gate and Pipe Hydraulics

As noted, the outlet gate is a 30-inch slide gate. Presumably, the gate is cast iron, but the exact manufacturer and model of the gate are unknown. As shown on the enclosed engineering drawings, the angled section of 30-inch steel pipe downstream of the gate has been replaced with 24-inch stainless steel pipe, with transitions to the 30-inch gate and the 30-inch reinforced concrete pipe.

The concrete pipe is 490 feet in length and has an inside diameter of 30.0 inches (measured on November 15, 2001). The pipe is of continuous construction along its length and is set according to the following schedule of invert elevations and slopes.

Station	Invert Elev.	Slope
0+00 (upstream end)	819.5	
1+50	811.1	5.60%
3+30	810.5	0.33%
4+90 (outlet)	809.3	0.75%

As the slide gate is opened from a fully-closed position, water will begin to discharge freely through the gate into the pipe, and open-channel flow will exist in the pipe initially. Under these conditions, discharge through the gate was calculated for various reservoir elevations and gate openings using the orifice equation. The cross-sectional area of flow was calculated from the geometry of a square gate plate overlapping a circular opening, and the discharge coefficient was assumed to be nearly equal to the theoretical value of 0.611 for a circular jet in a vertical plate where the orifice diameter is small relative to the upstream head. The actual gate does not meet these ideal conditions: the gate opening is not circular, it discharges into a pipe that immediately contracts to a 24-inch pipe, and it is set on a slope (see the engineering drawing). However, this represents a reasonable first cut at the discharge coefficient. A "dead throw" of 3 inches was assumed from the fully-seated location to the point where the plate reaches the bottom of the circular opening. The attached spreadsheets and charts show the results of these calculations.

A hydraulic analysis of the concrete pipe downstream of the gate was also made to determine the maximum discharge before submergence of the gate would occur. This analysis is shown on the attached spreadsheet. Just prior to submergence, the water level in the sloping pipe is assumed to be 1.0 feet below the gate lip elevation (Elev. 826.0 feet). Under this full-flow condition, an energy analysis was made using Darcy-Weisbach friction and typical values for minor loss coefficients. This calculated discharge is 45.0 cfs. At discharges greater than this level through the gate, the gate will be submerged and the theoretical gate curves will not be valid. Controlled releases from the reservoir during high runoff in the spring may exceed 45.0 cfs, but releases for

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irrigation are nearly always below this level. It is assumed that the most concern for flow measurement occurs when the natural flow is low, so that the 45.0 cfs limitation is not a concern.

This set of curves represents a theoretical outlet gate rating based on the best available information about the gate. To provide a reality check on the curves, data recorded by Ron Cunningham for 1989 through 1993 on gate stem setting and the corresponding estimated outflow was used. During this period, at each visit to the dam (approximately once per week), the gauge was read and the gate setting was changed as needed and the gate stem height measured. The net outflow was estimated using the stage-storage curve and the change in gauge reading, using only data after approximately July 1 when inflow to the reservoir is typically negligible. Data was divided into high, medium, and low reservoir elevation conditions, and are shown on the same plot with the theoretical curves. These data are very approximate, and cannot be relied upon to calibrate the gate rating, however, they do indicate that the theoretical curves are reasonable.

The theoretical curves can provide estimates of the sensitivity of the gate outflow to changes in reservoir elevation and to changes in gate opening, and therefore the viability of using a gate rating for outflow determination. Realistically, the operator can read the gate stem extension no more accurately than to the nearest 1/8 inch. The following table shows the estimated change in outflow for a 1/8-inch change in stem height, and the percent of outflow this change represents:

Gate setting	Reservoir Elevation	
	910 feet (high condition)	860 feet (low condition)
16 inches	0.42 cfs (19%)	0.26 cfs (18%)
18 inches	0.70 cfs (6.1%)	0.44 cfs (6.1%)
20 inches	0.87 cfs (3.6%)	0.55 cfs (3.6%)
24 inches	1.07 cfs (1.9%)	0.67 cfs (1.9%)

Field Verification of Gate Rating

As noted, the theoretical curves cannot be considered acceptable ratings until checked in the field. Because of the extremely rugged nature of the site, it is not feasible to make many discharge measurements at several reservoir elevations in order to develop a complete set of empirical curves. Therefore, it is proposed to utilize the following methodology to check and modify the theoretical estimates:

- 1 During the 2001 season, two site visits will be made by qualified Brockway Engineering staff when the reservoir is high (end of April or beginning of May), and when it is low (probably the end of July). During each site visit, discharge measurements will be made in Succor Creek downstream of the reservoir at a high and low gate setting. Stem height will be measured on the upward throw, i.e. when the gate is being opened, to avoid problems with slack in the gearbox when changing directions.

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2. The existing stream bed is composed of large angular cobbles which prevent an accurate current meter measurement from being made. Therefore, a 30-foot section of channel will be cleaned of the large cobble and smoothed. An alternative is to current meter the water issuing from the end of the 30-inch concrete pipe. Due to the high velocities and turbulent flow, this approach would be difficult but might be feasible. Based on field conditions, the most accurate approach will be selected.

3. Data from the discharge measurements will be compared against the theoretical curves, and modifications to the parameters of the equation made to achieve a good fit. It is anticipated that changes to the assumed discharge coefficient and "dead throw" of the gate will be required to bring the curves in line with the measurements.

4. The remainder of the curves for intermediate reservoir elevations and gate stem heights will be created using the orifice equation as adjusted in Step 3.

Estimating Reservoir Inflow

The above procedure will allow reasonably accurate determination of outflow from the reservoir. In order to satisfy the conditions of the water rights, some means of determining reservoir inflow must also be implemented. As noted above, construction of a measuring device at the extremely remote and rugged inflow location would be cost prohibitive and should be avoided if possible. Therefore, it is proposed to accurately measure the net reservoir storage change (inflow minus outflow), which will yield reservoir inflow when combined with the outflow measurement from the gate rating. The net storage change will be determined by measuring the reservoir elevation very accurately using a bubbler device or other level-sensing device with an accuracy of 0.075% or better.

Storage will be found from the stage-storage curve developed for the dam construction, which is assumed to be accurate. Assuming the water level can be read to the nearest 0.05 feet, the following table shows the potential error in inflow calculation at low, medium, and high reservoir elevations.

Reservoir Gauge	Potential error	
	Acre-feet / day	CFS
860 (min. pool)	1.51	0.76
880 (average)	4.54	2.29
912 (max. pool)	9.39	4.74

Clearly, estimating inflow using storage change is less accurate than using a measuring device or a rated gate. However, the need for accuracy should be measured against the rationale for the measuring device condition. For example, if the purpose of the inflow-outflow measurement is to determine reservoir evaporation and seepage, very accurate measurements would be required. This is not the case for Succor Creek. If the goal is to administer natural flow rights, the accuracy improves at lower reservoir levels, which occur later in the season when the natural flow in Succor Creek is low and is more likely to be critical to the natural flow users.

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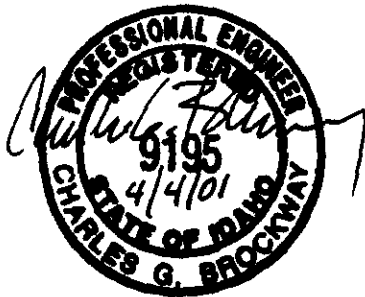
To assist the dam operator in implementing this method, a set of curves will be developed to provide net inflow minus outflow in cubic feet per second given a differential storage change and a time period between measurements.

Operational Procedure

Operationally, the procedure for determining inflow and outflow will be as follows.

1. On each visit to the dam: read the level-sensing device, set the gate to the desired point, and measure the gate stem height to the nearest 1/8 inch.
2. Use the outflow curve or table with the reservoir elevation and gate setting and determine the outflow in cubic feet per second.
3. Use the net inflow curves with the current and previous reservoir elevations to find inflow minus outflow
4. Reservoir Inflow = Net Inflow (Step 3) + Average Outflow (Step 2)

Depending on the wishes of the Succor Creek District Improvement Company and IDWR requirements, a spreadsheet could easily be developed to automate these calculations.



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1997 11/2001

**Succor Creek Reservoir
from top of dam. 11/15/00**



Outlet pipe. 11/15/00

**Succor Creek downstream
of dam, taken from top of
dam. 11/15/00**



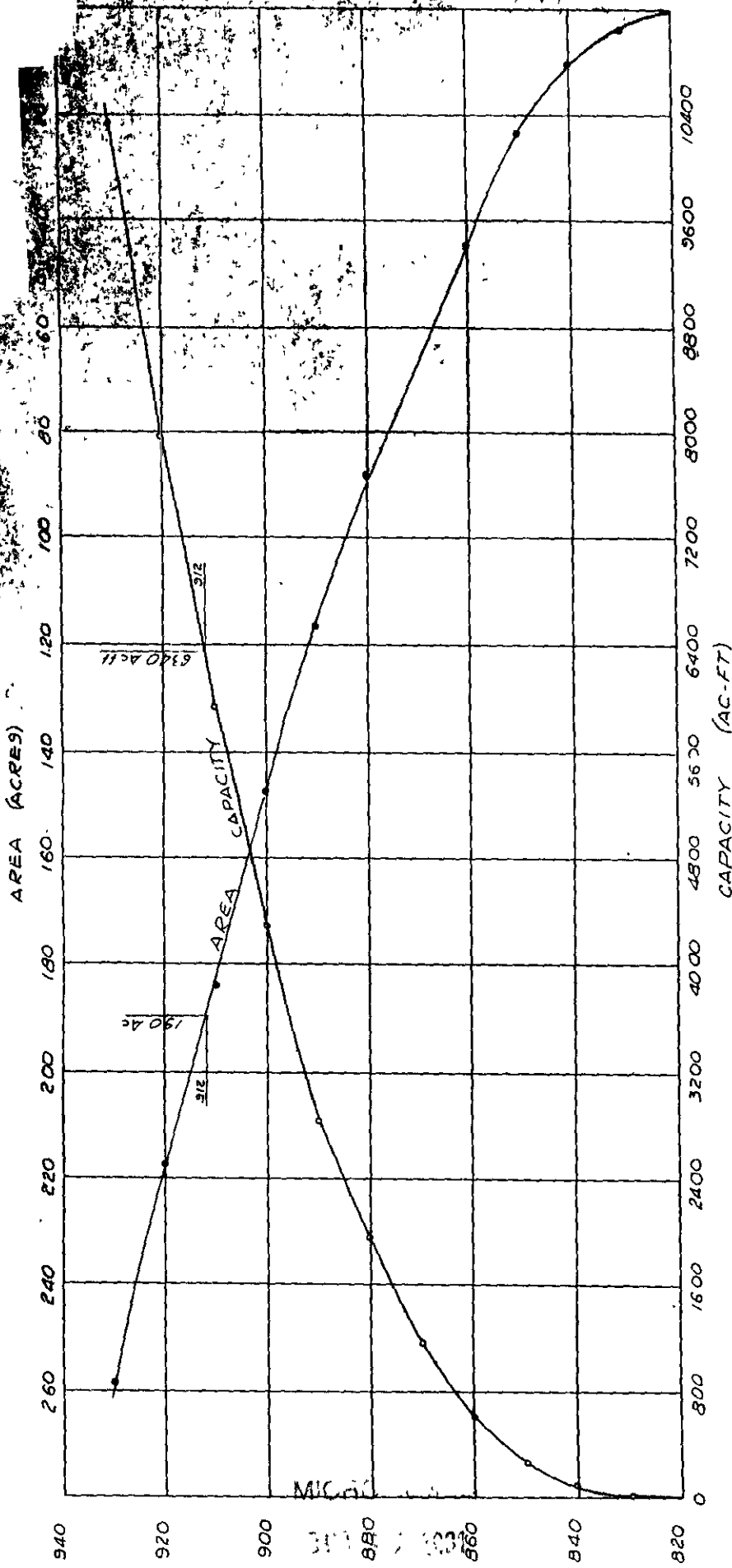
**Succer Creek District Improvement Comany
Flow Measurement Proposal**

MICROFILME April 4, 2001

BROCKWAY ENGINEERING, PLLC

OCT 17 2001

AREA - CAPACITY CURVE



CONDUIT DISCHARGE CURVE

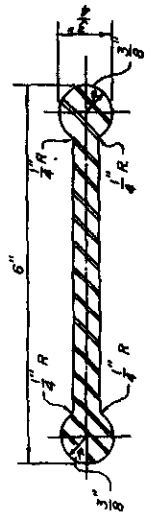


SEC
Sta. 0+C
Sta. 4+2

4'-2"
1-No. 6 bar at 6"

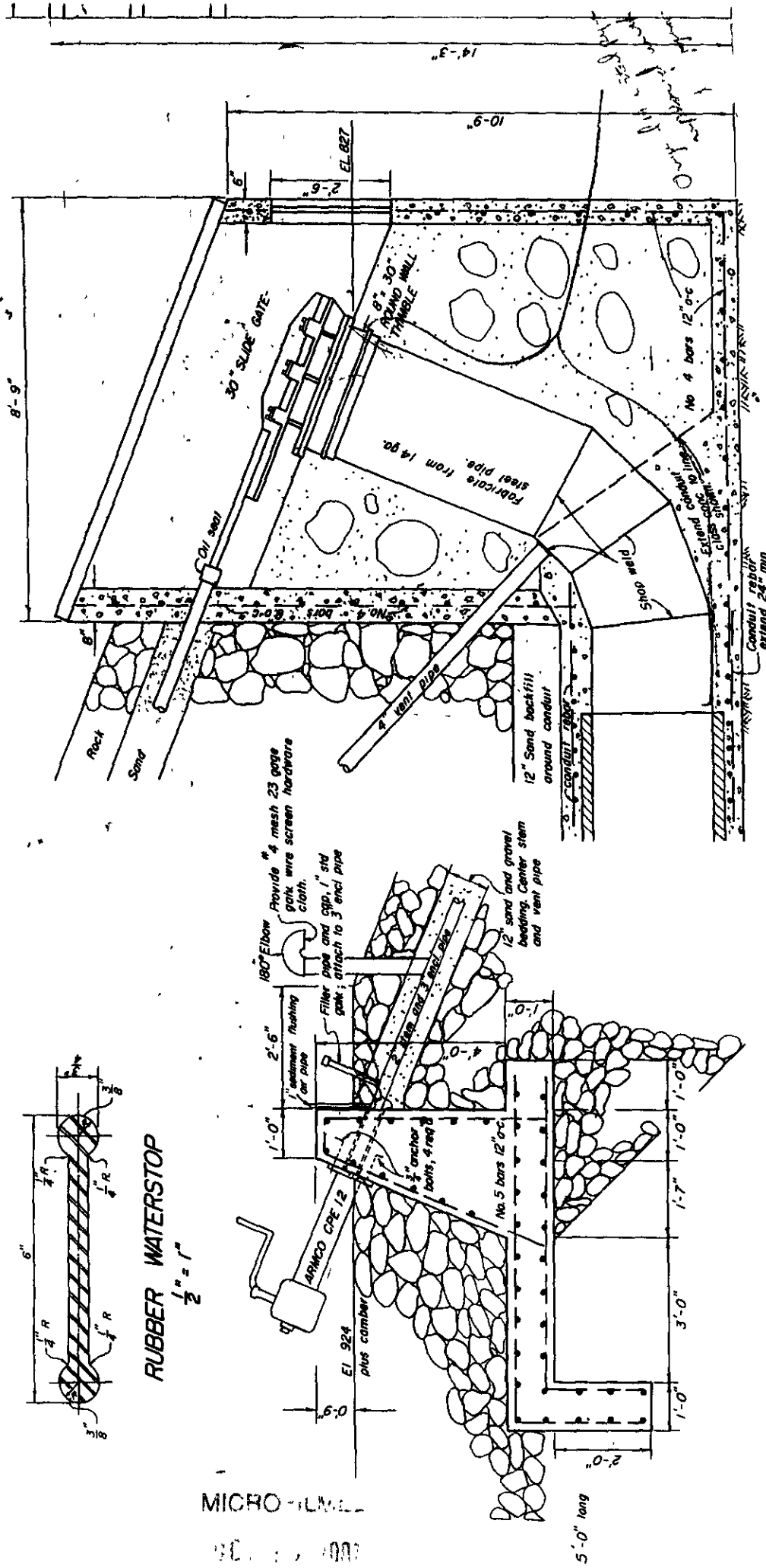
4'-6"
1-No. 7 bar at 6"

SECTION 11
Sta. 0+90 to Sta. 1+50
and
Sta. 3+30 to Sta. 4+20

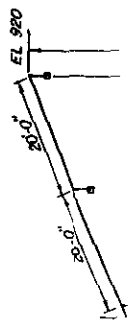


RUBBER WATERSTOP
1/2" = 1"

MICRO-FLUAT



GATE STRUCTURE
1/2" = 1'-0"



EXAMPLE OF THEORETICAL GATE RATING - RESERVOIR ELEV. 880 FEET

THEORETICAL OUTLET GATE RATING - SUCCOR CREEK RESERVOIR

C G Brockway, P.E 3/28/01

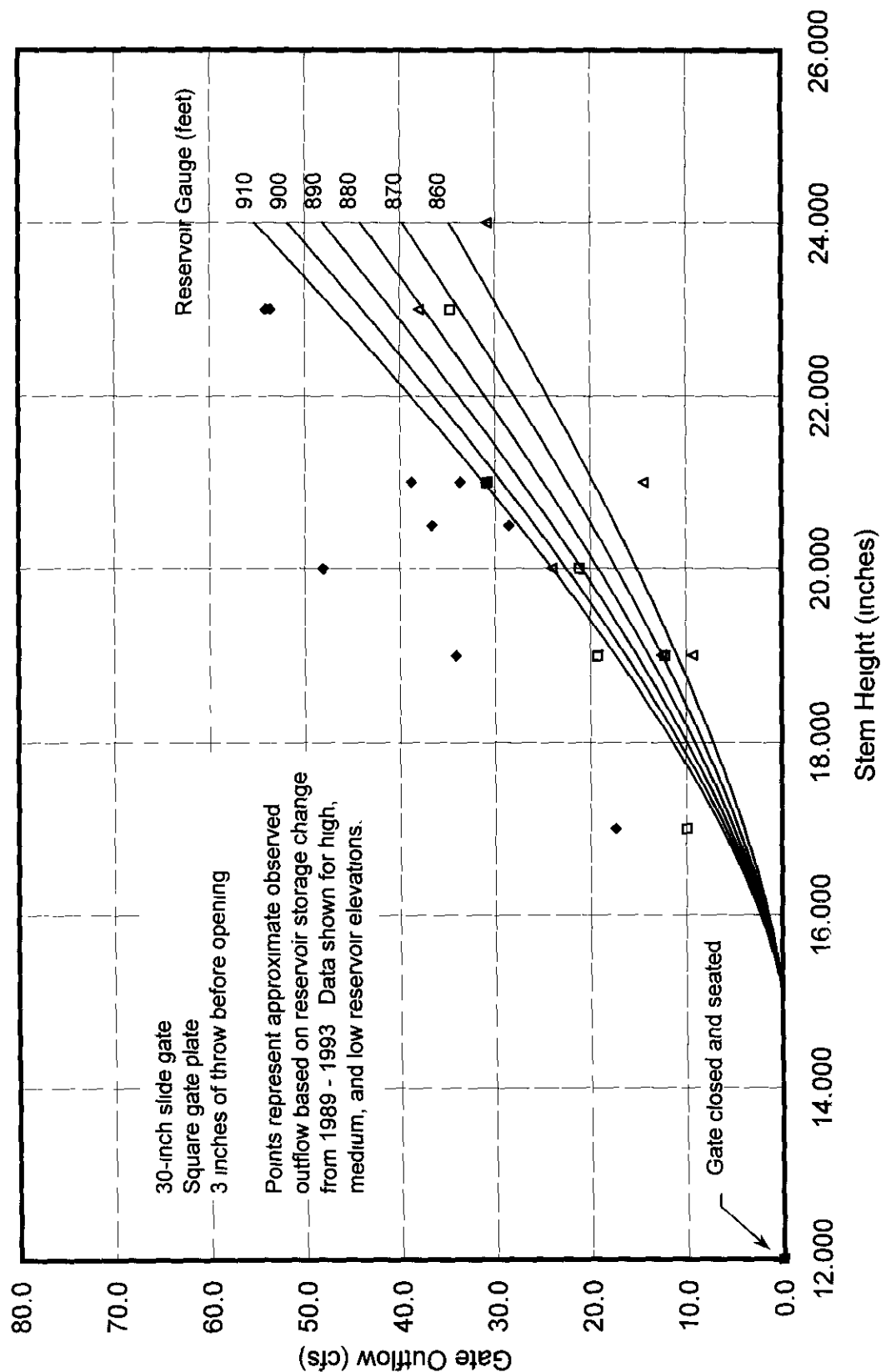
- 1 Rating valid for free discharge through the gate Pipe will flow full and gate will submerge at Q greater than than 45 cfs (see full pipe flow analysis)
- 2 Assume coefficients of contraction and discharge are constant. This is nearly true if the gate opening is very small relative to the upstream head
- 3 Area of the gate opening found from geometry based on percent of gate opening

Gate diameter (Do) 2.5 feet Ro = 1.25 feet
 Discharge coefficient 0.611 theoretical orifice coefficient for small b / y1 where y1 = upstream head
 Full-open area (Ao) 4.909 sq ft
 Initial gate throw 3.0 inches
 Closed stem height 12.0 inches
 Gate reference elev 827.10 feet - approx centerline of gate opening
Reservoir Elevation 880.00 feet

Gate opening		Stem height		Open		Q (cfs)
h (inches)	h (ft)	(inches)	d	d/R	area	
0.000	0.000	15.000	1.25	1.00	0.000	0.0
0.125	0.010	15.125	1.24	0.99	0.002	0.1
0.250	0.021	15.250	1.23	0.98	0.006	0.2
0.375	0.031	15.375	1.22	0.98	0.012	0.4
0.500	0.042	15.500	1.21	0.97	0.018	0.6
0.625	0.052	15.625	1.20	0.96	0.025	0.9
0.750	0.063	15.750	1.19	0.95	0.033	1.2
0.875	0.073	15.875	1.18	0.94	0.041	1.5
1.000	0.083	16.000	1.17	0.93	0.050	1.8
1.125	0.094	16.125	1.16	0.93	0.060	2.1
1.250	0.104	16.250	1.15	0.92	0.070	2.5
1.375	0.115	16.375	1.14	0.91	0.081	2.9
1.500	0.125	16.500	1.13	0.90	0.092	3.3
1.625	0.135	16.625	1.11	0.89	0.103	3.7
1.750	0.146	16.750	1.10	0.88	0.115	4.1
1.875	0.156	16.875	1.09	0.88	0.128	4.6
2.000	0.167	17.000	1.08	0.87	0.141	5.0
2.125	0.177	17.125	1.07	0.86	0.154	5.5
2.250	0.188	17.250	1.06	0.85	0.167	6.0
2.375	0.198	17.375	1.05	0.84	0.181	6.5
2.500	0.208	17.500	1.04	0.83	0.195	7.0
2.625	0.219	17.625	1.03	0.83	0.210	7.5
2.750	0.229	17.750	1.02	0.82	0.225	8.0
2.875	0.240	17.875	1.01	0.81	0.240	8.6
3.000	0.250	18.000	1.00	0.80	0.255	9.1
3.125	0.260	18.125	0.99	0.79	0.271	9.7
3.250	0.271	18.250	0.98	0.78	0.287	10.2
3.375	0.281	18.375	0.97	0.78	0.304	10.8
3.500	0.292	18.500	0.96	0.77	0.320	11.4
3.625	0.302	18.625	0.95	0.76	0.337	12.0
3.750	0.313	18.750	0.94	0.75	0.354	12.6
3.875	0.323	18.875	0.93	0.74	0.371	13.2
4.000	0.333	19.000	0.92	0.73	0.389	13.9

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Succor Creek Reservoir Theoretical Gate Outflow vs. Opening



C G Brockway, P E 4/4/01

****Not field checked - theoretical for proposal to IDWR only****

Stem Height (inches)	Discharge (CFS) for Reservoir Elevation								
	830	840	850	860	870	880	890	900	910
15 000	0 0	0 0	0 0	0 0	0 0	0.0	0 0	0.0	0 0
15 125	0 0	0 0	0 1	0 1	0 1	0 1	0 1	0 1	0 1
15 250	0 1	0 1	0 1	0 2	0 2	0.2	0 2	0 3	0 3
15 375	0.1	0 2	0 3	0 3	0.4	0 4	0 5	0 5	0 5
15 500	0 1	0 3	0 4	0 5	0 6	0.6	0 7	0 7	0 8
15 625	0 2	0 4	0 6	0 7	0 8	0 9	1 0	1.0	1 1
15.750	0 3	0 6	0 8	0 9	1 0	1 2	1 3	1 4	1 5
15.875	0 3	0 7	1 0	1 2	1 3	1 5	1 6	1 7	1 8
16 000	0 4	0 9	1 2	1 4	1 6	1 8	2.0	2 1	2 2
16 125	0 5	1 1	1 4	1 7	1 9	2 1	2.3	2 5	2 7
16 250	0 6	1 2	1 6	2 0	2 2	2 5	2 7	2 9	3 1
16 375	0 7	1 4	1 9	2 3	2 6	2.9	3 1	3 4	3 6
16 500	0 8	1.6	2 2	2 6	2 9	3 3	3.6	3 8	4 1
16 625	0 9	1 8	2 4	2 9	3 3	3 7	4.0	4 3	4 6
16 750	1 0	2 0	2 7	3 2	3 7	4 1	4 5	4 8	5 1
16.875	1 1	2.2	3.0	3 6	4.1	4 6	5 0	5 3	5 7
17 000	1 2	2 5	3 3	4 0	4.5	5 0	5 5	5 9	6 3
17 125	1 3	2 7	3 6	4 3	4 9	5.5	6 0	6 4	6 9
17 250	1 4	2 9	3 9	4 7	5 4	6 0	6 5	7 0	7 5
17 375	1 5	3 2	4 2	5 1	5 8	6 5	7 0	7 6	8 1
17 500	1 6	3 4	4 6	5 5	6 3	7 0	7.6	8 2	8 7
17 625	1 8	3 7	4 9	5 9	6 7	7 5	8.2	8 8	9 4
17 750	1 9	4 0	5 3	6 3	7 2	8 0	8 7	9 4	10 0
17 875	2 0	4.2	5 6	6 7	7 7	8 6	9 3	10 0	10 7
18 000	2 1	4 5	6 0	7 2	8 2	9 1	9 9	10 7	11 4
18 125	2 3	4 8	6 4	7 6	8 7	9 7	10 5	11 4	12 1
18 250	2 4	5 1	6 7	8 1	9 2	10 2	11 2	12 0	12 8
18 375	2 5	5 3	7 1	8 5	9 7	10 8	11 8	12 7	13 5
18 500	2 7	5 6	7 5	9 0	10 3	11 4	12 4	13 4	14 3
18 625	2.8	5 9	7 9	9 5	10 8	12 0	13 1	14 1	15.0
18 750	3.0	6 2	8 3	10 0	11 4	12 6	13 8	14.8	15.8
18 875	3 1	6 5	8 7	10.4	11 9	13.2	14 4	15 5	16 6
19 000	3 2	6 8	9 1	10.9	12 5	13.9	15 1	16 3	17 4
19 125	3 4	7.2	9.5	11.4	13.1	14.5	15 8	17 0	18 2
19.250	3 5	7 5	10 0	11 9	13 6	15 1	16 5	17 8	19.0
19 375	3 7	7 8	10 4	12 5	14 2	15 8	17 2	18 5	19 8
19 500	3 9	8 1	10 8	13 0	14 8	16 5	17 9	19 3	20 6
19 625	4 0	8 5	11 3	13 5	15 4	17 1	18 7	20 1	21 4
19 750	4 2	8 8	11 7	14 0	16 0	17 8	19 4	20.9	22.3
19 875	4 3	9 1	12 2	14 6	16 6	18.5	20 2	21 7	23 1
20 000	4 5	9 5	12 6	15 1	17 3	19.2	20 9	22 5	24 0
20 125	4 7	9 8	13 1	15 7	17 9	19.9	21 7	23 3	24 9
20 250	4 8	10 2	13 5	16 2	18 5	20.6	22 4	24 1	2

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Stem Height (inches)	Discharge (CFS) for Reservoir Elevation								
	830	840	850	860	870	880	890	900	910
20 875	5.7	11.9	15.9	19.1	21.8	24.2	26.4	28.4	30.3
21 000	5.8	12.3	16.4	19.6	22.4	24.9	27.2	29.2	31.2
21 125	6.0	12.7	16.9	20.2	23.1	25.7	28.0	30.1	32.1
21 250	6.2	13.0	17.4	20.8	23.8	26.4	28.8	31.0	33.1
21 375	6.4	13.4	17.9	21.4	24.5	27.2	29.6	31.9	34.0
21 500	6.5	13.8	18.4	22.0	25.2	27.9	30.5	32.8	35.0
21 625	6.7	14.2	18.9	22.6	25.8	28.7	31.3	33.7	35.9
21 750	6.9	14.6	19.4	23.2	26.5	29.5	32.1	34.6	36.9
21 875	7.1	14.9	19.9	23.9	27.2	30.2	33.0	35.5	37.9
22 000	7.3	15.3	20.4	24.5	27.9	31.0	33.8	36.4	38.8
22 125	7.4	15.7	20.9	25.1	28.7	31.8	34.7	37.4	39.8
22 250	7.6	16.1	21.5	25.7	29.4	32.6	35.6	38.3	40.8
22 375	7.8	16.5	22.0	26.3	30.1	33.4	36.4	39.2	41.8
22 500	8.0	16.9	22.5	27.0	30.8	34.2	37.3	40.2	42.8
22 625	8.2	17.3	23.0	27.6	31.5	35.0	38.2	41.1	43.8
22 750	8.4	17.7	23.6	28.3	32.3	35.8	39.1	42.1	44.8
22 875	8.6	18.1	24.1	28.9	33.0	36.6	40.0	43.0	45.9
23 000	8.8	18.5	24.6	29.5	33.7	37.5	40.8	44.0	46.9
23 125	9.0	18.9	25.2	30.2	34.5	38.3	41.7	44.9	47.9
23 250	9.2	19.3	25.7	30.8	35.2	39.1	42.6	45.9	49.0
23 375	9.4	19.7	26.3	31.5	36.0	39.9	43.6	46.9	50.0
23 500	9.5	20.1	26.8	32.2	36.7	40.8	44.5	47.9	51.0
23 625	9.7	20.5	27.4	32.8	37.5	41.6	45.4	48.8	52.1
23 750	9.9	21.0	27.9	33.5	38.2	42.5	46.3	49.8	53.1
23 875	10.1	21.4	28.5	34.1	39.0	43.3	47.2	50.8	54.2
24 000	10.3	21.8	29.0	34.8	39.8	44.1	48.1	51.8	55.3
24 125	10.5	22.2	29.6	35.5	40.5	45.0	49.1	52.8	56.3
24 250	10.7	22.6	30.2	36.2	41.3	45.9	50.0	53.8	57.4
24 375	10.9	23.1	30.7	36.8	42.1	46.7	50.9	54.8	58.5
24 500	11.1	23.5	31.3	37.5	42.8	47.6	51.9	55.9	59.6
24 625	11.3	23.9	31.9	38.2	43.6	48.4	52.8	56.9	60.6
24 750	11.5	24.4	32.4	38.9	44.4	49.3	53.8	57.9	61.7
24 875	11.7	24.8	33.0	39.6	45.2	50.2	54.7	58.9	62.8
25 000	12.0	25.2	33.6	40.3	46.0	51.1	55.7	59.9	63.9
25 125	12.2	25.6	34.2	41.0	46.8	51.9	56.6	61.0	65.0
25 250	12.4	26.1	34.7	41.6	47.6	52.8	57.6	62.0	66.1
25 375	12.6	26.5	35.3	42.3	48.4	53.7	58.5	63.0	67.2
25 500	12.8	27.0	35.9	43.0	49.1	54.6	59.5	64.1	68.3
25 625	13.0	27.4	36.5	43.7	49.9	55.5	60.5	65.1	69.4
25 750	13.2	27.8	37.1	44.4	50.7	56.4	61.5	66.2	70.5
25 875	13.4	28.3	37.7	45.1	51.6	57.2	62.4	67.2	71.7
26 000	13.6	28.7	38.3	45.8	52.4	58.1	63.4	68.3	72.8
26 125	13.8	29.2	38.8	46.6	53.2	59.0	64.4	69.3	73.9
26 250	14.0	29.6	39.4	47.3	54.0	59.9	65.4	70.4	75.0
26 375	14.2	30.0	40.0	48.0	54.8	60.8	66.3	71.4	76.2
26 500	14.5	30.5	40.6	48.7	55.6	61.7	67.3	72.5	77.3
26 625	14.7	30.9	41.2	49.4	56.4	62.6	68.3	73.5	78.4
26 750	14.9	31.4	41.8	50.1	57.2	63.5	69.3	74.6	79.5
26 875	15.1	31.8	42.4	50.8	58.0	64.5	70.3	75.7	80.7
27 000	15.3	32.3	43.0	51.5	58.9	65.4	71.3	76.7	81.8

Stem Height (inches)	Discharge (CFS) for Reservoir Elevation								
	830	840	850	860	870	880	890	900	910
27.125	15.5	32.7	43.6	52.3	59.7	66.3	72.3	77.8	83.0
27.250	15.7	33.2	44.2	53.0	60.5	67.2	73.3	78.9	84.1
27.375	15.9	33.6	44.8	53.7	61.3	68.1	74.3	79.9	85.2
27.500	16.2	34.1	45.4	54.4	62.1	69.0	75.2	81.0	86.4
27.625	16.4	34.5	46.0	55.1	63.0	69.9	76.2	82.1	87.5
27.750	16.6	35.0	46.6	55.9	63.8	70.8	77.2	83.2	88.7
27.875	16.8	35.4	47.2	56.6	64.6	71.8	78.2	84.2	89.8
28.000	17.0	35.9	47.8	57.3	65.5	72.7	79.3	85.3	91.0
28.125	17.2	36.3	48.4	58.0	66.3	73.6	80.3	86.4	92.1
28.250	17.4	36.8	49.0	58.8	67.1	74.5	81.3	87.5	93.3
28.375	17.7	37.3	49.6	59.5	67.9	75.4	82.3	88.6	94.4
28.500	17.9	37.7	50.2	60.2	68.8	76.4	83.3	89.6	95.6
28.625	18.1	38.2	50.9	61.0	69.6	77.3	84.3	90.7	96.8
28.750	18.3	38.6	51.5	61.7	70.4	78.2	85.3	91.8	97.9
28.875	18.5	39.1	52.1	62.4	71.3	79.1	86.3	92.9	99.1
29.000	18.7	39.5	52.7	63.1	72.1	80.1	87.3	94.0	100.2
29.125	19.0	40.0	53.3	63.9	72.9	81.0	88.3	95.1	101.4
29.250	19.2	40.5	53.9	64.6	73.8	81.9	89.3	96.2	102.6
29.375	19.4	40.9	54.5	65.3	74.6	82.8	90.3	97.3	103.7
29.500	19.6	41.4	55.1	66.1	75.4	83.8	91.4	98.3	104.9
29.625	19.8	41.8	55.7	66.8	76.3	84.7	92.4	99.4	106.0
29.750	20.0	42.3	56.3	67.5	77.1	85.6	93.4	100.5	107.2
29.875	20.3	42.7	57.0	68.3	78.0	86.6	94.4	101.6	108.4
30.000	20.5	43.2	57.6	69.0	78.8	87.5	95.4	102.7	109.5

MICRO-TIME

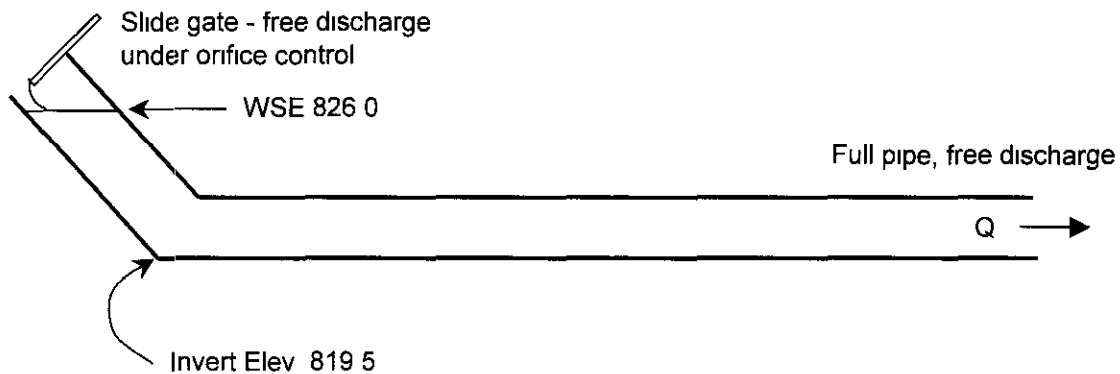
SUCCOR CREEK OUTLET PIPE - FULL FLOW HYDRAULIC ANALYSIS

C G Brockway, P E 3/28/01

Determine minimum flow that will submerge the slide gate

At low flows, the gate will operate under free discharge and the pipe will flow partially-full under open-channel conditions At higher flows, the pipe will flow full

Condition just before gate submerges



Use energy equation with Darcy-Weisbach friction to determine flow under this condition

Pipe diameter	2.5 feet
Absolute roughness (k) for concrete in fair condition	0.005 feet
k / D	0.00200
Friction factor	0.023
Loss coeffs	
45-deg med radius	0.30
Abrupt expansion	0.13
Exit	1.0
Pipe area	4.91 sq ft
Pipe length	490 feet
Elevation drop	0 feet
Total head	7.75 feet
Velocity	9.16 ft/s
Discharge	45.0 cfs

Check friction factor

Re 1.88E+06

f 0.023 OK

SUCCOR CREEK RESERVOIR - GATE SETTING AND LEVEL DATA

1989 through 1993 data

Assume negligible inflow after July 1

On date indicated, staff gauge was read and gate was set at stem height indicated

Reservoir content from engineering drawings - J Hanley 1975

Gate stem and staff gauge readings by R Cunningham

Date	Reservoir gauge	Gate stem (inches)	Reservoir content (ac-ft)	Avg net outflow (cfs)
5/23/89	913	21	6122	-23.9
5/25/89	912.5	18.25	6028	-3.4
6/8/89	912	22	5934	-38.1
6/21/89	906.5	19	4951	-21.4
6/23/89	906	16	4866	-8.5
6/28/89	905.5	19	4782	0.0
6/29/89	905.5	21	4782	-43.0
7/11/89	899	23	3759	-54.1
7/15/89	896	17	3330	-17.4
7/17/89	895.5	21	3261	-38.7
7/23/89	892	23	2800	-53.6
8/2/89	882.5	19	1736	-12.2
8/4/89	882	21	1688	-30.8
8/15/89	874	23	1016	-38.0
8/24/89	861	12	338	OFF
4/8/90	896	18	3330	-17.3
4/12/90	895	21	3193	-17.0
4/14/90	894.5	23	3125	-19.9
4/19/90	893	24	2928	-16.1
4/23/90	892	21	2800	3.6
5/2/90	892.5	19	2863	-8.6
5/13/90	891	21	2675	-24.8
5/28/90	884.5	17	1937	26.7
5/31/90	886	12	2096	OFF
6/6/90	889	19	2434	-9.6
6/18/90	887	21	2206	-33.6
7/3/90	876.5	17	1205	-9.9
7/5/90	876	19	1166	-19.3
7/7/90	875	20	1089	-21.1
7/19/90	867	20	587	-24.0
7/21/90	865	12	492	OFF
5/5/91	891	21	2675	-20.5
5/8/91	890	24	2553	-14.8
5/16/91	888	21	2319	0.0
5/17/91	888	17	2319	101.7
5/21/91	894.5	12	3125	OFF
5/24/91	897.5	21	3541	-7.9
6/28/91	893.5	19	2993	-6.6
7/3/91	893	15	2928	0.0
7/6/91	893	20	2928	-48.1
7/8/91	891.5	21	2737	-30.9
8/2/91	876.5	23	1205	-34.7
8/13/91	864	21	449	-14.4

8/22/91	846	21	192	
4/20/92	878.5	24	1370	-31.5
4/22/92	877	28	1245	-82.9
4/26/92	867	28	587	-69.7
4/27/92	864	12	449	OFF
4/29/92	864.5	24	470	-30.8
4/30/92	863	19	409	-9.3
5/2/92	862	19	372	-12.6
5/4/92	860.5	12	322	OFF
3/30/93	913.5	20	6218	-0.5
5/30/93	913.2	23	6160	0.0
6/7/93	913.2	19.5	6160	-10.7
6/15/93	912.3	16.5	5990	7.7
6/30/93	913.5	18.5	6218	-15.9
7/9/93	912	20	5934	-41.5
7/15/93	909.3	21	5440	-33.9
7/21/93	907	21.5	5037	-42.0
7/28/93	903.5	20.5	4454	-36.6
8/18/93	893	19	2928	-34.1
8/23/93	890.3	20.5	2589	-28.6
9/12/93	879.5		1457	

NICHO PLM 11

MEMORANDUM

To: Files 57-07153 and 57-07571
From: L. Glen Saxton *LS*
RE: TELEPHONE INQUIRY FROM THE BROCKWAYS
Date: January 16, 2001

On January 12, 2001 Charles E Brockway and Charles G. Brockway ("the Brockways") contacted me in connection with removing the measuring device requirements from Permit Nos. 57-07153 and 57-07571 stating that installation would be difficult and expensive and that there were not water distribution problems on Succor Creek.

I reviewed the water right files and on January 16, 2001 called Charles G. Brockway. I advised that since the license and decree for 57-07153 require the installation and maintenance of measuring devices, I wasn't sure that the conditions could be waived. I did advise, however, that at one time there were rated sections above and below Texas Basin Dam and that there is an installed staff gage at the dam which needs some repair due to ice damage. I also advised that I thought the department would consider a proposal from the dam owner of other means to determine discharges to and from the reservoir other than installed devices. We briefly discussed the outlet works that perhaps could be rated to determine discharge from the reservoir.

The Brockways may review the department's water right files and dam safety files in order to offer an alternate measuring proposal than installed devices.

MICROFILMED

OCT 12 2001



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

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

October 20, 2000

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

SUCCOR CREEK DISTRICT IMPROVEMENT CO
ROCKVILLE RT
JORDAN VALLEY OR 97910

RE: WATER RIGHT NO. 57-07153

Dear Water Right Holder(s):

The Department of Water Resources (the Department) has issued the enclosed license confirming that a water right has been established in accordance with the permit referenced above. The license is a preliminary order issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department unless a party petitions for reconsideration or files an exception and/or brief as described in the enclosed information sheet.

For your records I have also enclosed a copy of your Application for Amendment of Permit, which was approved.

Also, please note that water right owners are required to report any change of water right ownership and/or change of mailing address to the department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the department or visit the department's homepage on the Internet to obtain the proper reporting form.

If you have any questions, please call me at 208-327-7946.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Shelley W. Keen'.

Shelley W. Keen
Water Rights Supervisor

SK:klt

Enclosure

MICROFILMED

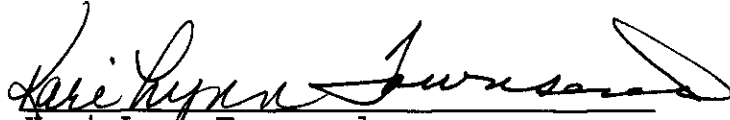
NOV 20 2000

CERTIFICATE OF MAILING

I hereby certify that on the 20th day of October, 2000, I mailed a true and correct copy, postage prepaid, of the foregoing **PRELIMINARY ORDER (Approved License)** to the person(s) listed below:

Water Right No. 57-07153

SUCCOR CREEK DISTRICT IMPROVEMENT CO
ROCKVILLE RT
JORDAN VALLEY OR 97910


Kari Lynn Townsend
Secretary

MICROFILMED
NOV 20 2000

**EXPLANATORY INFORMATION
TO ACCOMPANY A
PRELIMINARY ORDER**

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources (department) unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the department or the Idaho Water Resource Board (Board) is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01 01302 and 37 01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

YTURRI ROSE LLP
ATTORNEYS AT LAW
a Limited Liability Partnership

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CLIFF BENTZ *
TIM J. HELFRICH *
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* Licensed in Oregon and Idaho

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RECEIVED
OCT 18 2000
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Department of Water Resources
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FACSIMILE
(541) 889-2432

E-mail
law@yturrirose.com

REPLY TO
[X] ONTARIO OFFICE
[] PENDLETON OFFICE
[] PORTLAND OFFICE
[] IDAHO OFFICE

October 13, 2000

Ms. Karilynn Townsend
Idaho Water Resources Department
PO Box 83720
Boise ID 83720-0098

Re: Succor Creek District Improvement Company
Assignment of Permit No. 57-07153
Our File No. 990492

Dear Ms. Townsend:

Pursuant to your request of Thursday, October 12, 2000, enclosed please find our check in the amount of \$25 for processing of the "Assignment of Permit."

If you need anything further, please let me know.

Very truly yours,

Yturri Rose LLP

Teresa McLees
Teresa McLees
Legal Assistant

Enclosure

*Received by
J. Barron
10/16/00
Amt \$25.00
Receipt # C050797*

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NOV 20 2000

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REPLY TO
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☐ BAKER OFFICE
☐ PORTLAND OFFICE
☐ IDAHO OFFICE

October 6, 2000

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OCT 10 2000

Department of Water Resources

Ms. Karilynn Townsend
Idaho Water Resources Department
Po Box 83720
Boise ID 83720-0098

Re: Succor Creek District Improvement Company
Water Right No. 57-07153
Our File No. 990492

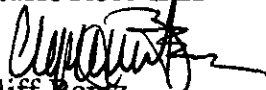
Dear Karilynn:

Enclosed please find the "Assignment of Permit" duly executed by the President of Succor Creek Water Control District. The purpose of the Assignment is to reflect the change in name of the District from Succor Creek Water Control District to Succor Creek District Improvement Company.

Thank you for your assistance.

Very truly yours,

Yturri Rose LLP


Cliff Bentz

CSB/tm
Enclosure

MICROFILMED

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OCT 5 - 2000

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REPLY TO
[X] ONTARIO OFFICE
[] PENDLETON OFFICE
[] PORTLAND OFFICE
[] IDAHO OFFICE

October 3, 2000

Via Fax No. (208) 327-7866

Ms. Karilynn Townsend
Idaho Water Resources Department
PO Box 83720
Boise ID 83720-0098

Re: Succor Creek District Improvement Company
Water Right No. 57-07153
Our File No. 990492

Dear Karilynn:

As we discussed on October 2, 2000, I contacted Ron Cunningham, President of the Succor Creek Water Control District on October 3rd. He indicated that indeed he had contacted Charles Brockway over in Twin Falls. Ron has made arrangements to meet with the engineer at the reservoir site during the week of October 9th.

Additionally, Ron has contacted the members of the District and has obtained their unanimous consent to install the measuring device above the reservoir as required by the license conditions.

Also, please find enclosed the filing fee in the amount of \$50 made payable to the Idaho Water Resources Department.

Thank you very much for your patience.

Very truly yours,

Yturri Rose LLP


Cliff Bentz

CSB/tm
Enclosure
pc: Ron Cunningham
Mary Ellen Allison

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☐ () PORTLAND OFFICE
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OCT 2 - 2000

Department of Water Resources

September 28, 2000

Ms. Shelley Keen
Water Rights Supervisor
Idaho Water Resources Department
PO Box 83720
Boise ID 83720-0098

Re: Water Right No. 57-07153/Succor Creek District Improvement Company
Our File No. 990492

Dear Ms. Keen:

Enclosed please find the signed "Application for Amendment" of Water Right No. 57-07153.

Please let me know what additional information, if any, is necessary.

Very truly yours,

Yturri Rose LLP



Cliff Bentz

CSB/tm
Enclosure
pc: Ron Cunningham

WICCO-FILED

OCT 2 2000
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MEMORANDUM

DATE: September 14, 2000

TO: File 57-07153 – Succor Creek Water Control District

CC: Candice McHugh

FROM: Kari Lynn Townsend

RE: Phone Conversation

Cliff Bentz of Yturri Rose LLP called today in response to my phone call on 9-7-00 to his office. Mr. Bentz is the attorney who is working with Succor Creek Water Control District in place of Todd J. Winegar.

Mr. Bentz said that the Succor Creek people are in the process of installing water measurement devices and need a bit more time to complete that project. He asked if the department could recommend an engineer that could assist with the water measurement device project so I transferred the call to Cindy Hodges.

According to Mr. Bentz, Succor Creek is ready to sign the application for amendment however he did state that their records indicate **116.6 AF** in the **SWSW** and **SESW** of **S22, T23S, R46E**. I told him that I would bring that information to the attention of Sharla Curtis as she is the agent working on this file and that he could expect to hear from her regarding this in the near future.

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NOV 21 2000

YTURRI ROSE LLP
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AUG 21 2000

Department of Water Resources

REPLY TO.
[X] ONTARIO OFFICE
[] PENDLETON OFFICE
[] PORTLAND OFFICE
[] IDAHO OFFICE

August 11, 2000

Shelley Keen
1301 N Orchard St.
PO Box 83720
Boise, ID 83720-0098

Re: Succor Creek Improvement Dist.: Water right No. 57-07153 Application for
Amendment
Our file no.: 990492

Dear Shelley:

I would first like to thank you for your help in preparing the application for amended permit. I have reviewed the legal descriptions and corresponding acreage and everything appears to be in order.

As we discussed, the applicant's name on the permit is Succor Creek Water Control District. The name of the District has been changed to Succor Creek District Improvement Company. It is my understanding that once the license is issued, Succor Creek may file a notice to change the name of the water right holder.

I contacted Jim Hayhurst, the owner of the Idaho property for the purpose of determining whether the acreage and corresponding legal descriptions were accurate. According to Mr. Hayhurst, he would prefer that the 58 acres set forth in the application for amendment not be included. In other words, please delete any reference to Idaho acreage in the application.

With the exception of deleting the Idaho acreage, everything in the application is accurate and acceptable to the District. Once again, I appreciate your help in preparing the amendment. I recognize that this is a time consuming endeavor.

Very truly yours,

YTURRI ROSE LLP

Todd J. Winegar

TJW/mf
pc: Ron Cunningham

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State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

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

August 2, 2000

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

TODD J WINEGAR
PO BOX S
ONTARIO OR 97914

RE: WATER RIGHT NO 57-07153/ SUCCOR CREEK DISTRICT IMPROVEMENT
COMPANY

Dear Todd,

Thank you for providing IDWR a copy of the final proof survey prepared for the Oregon Department of Water Resources in connection with the Succor Creek District Improvement Company's use of water from Texas Basin Reservoir on Succor Creek (Idaho Permit No. 57-07153). I used the final proof survey copy to draft the land list that I am proposing to recognize as the irrigated place of use for Right 57-07153 when IDWR issues a water right license

As you noted in your letter to me, some of the land irrigated under the permit occurs in Idaho, but the Idaho lands were not originally identified on the permit. If you want the Idaho lands to appear on the license when it is issued, the permit must be amended before the license is issued. The enclosed Application for Amendment form depicts the place of use and other water right elements as I am proposing for the license when it is issued. Please note that the season of use on the amendment form is the new standard season currently used in the Snake River Basin Adjudication (SRBA). Because IDWR's recommendation for decree in the SRBA should be based on the license, which will in turn be based on the permit, amending the permit to allow a longer season should provide the basis for resolving the objection filed in the SRBA.

Also, please note the condition requiring installation and maintenance of permanent devices to measure the amount of water entering the reservoir and the amount of water released from the reservoir, as required under Water Appropriation Rule 050.04. This was a condition of the permit, but our field examiner indicated in his 1987 field report that the permit holder had not yet complied with this condition. The purpose of the condition is to allow a watermaster to ensure the delivery of live flow to senior downstream appropriators. Before I can recommend issuance of a license, the district must comply with this condition or submit a written request for waiver of the condition and a list of the reasons why IDWR should consider removing the condition.

Please review the amendment form carefully. If you concur with the water right elements as they are presented, please sign the form and return it with the \$50.00 filing fee within 14 days. You may enclose evidence of compliance with the measuring device requirement or a request for a waiver with the amendment form. If you do not concur with the proposed amendments, or if you have any questions about them, please contact me. My telephone number is (208) 327-7946.

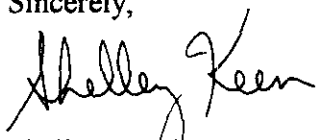
MICROFILM

2000

Todd Winegar
August 2, 2000
Page 2

In your letter you indicated that the Succor Creek District Improvement Company is contemplating filing another application for permit to authorize the irrigation of additional acres. If the plan is to irrigate the new lands by "spreading" the storage water already authorized under Right 57-07153, it may be to your advantage to file an application for transfer to add new lands to the existing right, once it is licensed. Under §42-222, *Idaho Code*, the place of use for a storage water right can be enlarged if no other water rights are injured by the change.

Sincerely,

A handwritten signature in cursive script, appearing to read "Shelley Keen".

Shelley W. Keen
Water Rights Supervisor

Enclosure

Copy to: Candice McHugh

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NOV 20 2000

MEMORANDUM

TO: File 57-07153

FROM: Sharla Curtis

DATE: August 2, 2000

RE: Increased Number of Acres

The permit was approved for a total of 2,258 acres. The total number of acres served by this storage facility is 2550.1 acres within Oregon and 58 acres within Idaho for a total of 2608.1 acres. Under Section 42-222, Idaho Code, a *storage* water right is not considered to have an enlargement in use of the original right if more acres become irrigated under an approved transfer, if no other water rights are injured thereby.

Although this right is not being reviewed for a transfer process, this is not the first time this type of a scenario has arisen at the time of licensing. One case is right 11-02159.

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NOV 2 1999

LICENSE REVIEW CHECKLIST

Reviewed by Sharla Curtis on 7/26/00

Permit No. 57-07153

BU Fee Pd \$ 600⁰⁰

Name/Address: ☒ OK ☐ CHANGE

Govt Lots n/a plat copy attached

AREA OF CONCERN: No/Yes Moratorium ~~GWMA~~ ~~TRUST/NON-TRUST~~

GROUNDWATER: (✓Flow Chart)

Supp irr (irr = only use) - 065-104
 Supp irr (+ other uses) - 100-105
 ≤ 0 24 cfs/5 acres - No MD
 > 0 24 cfs/5 acres - 01M (if on permit)

LOCATION:

Trust ~~/~~ - R55(consumptive uses)
 Non-Trust ~~/~~ - 048-049 (consumptive uses
 or non-cons > 1 0 cfs)

PD Change ~~/~~ - P39/P47 - feds(P40)
 PD Add ~~/~~ - P45/P42

 PU Change ~~/~~ - P41/P47 - feds(P43)
 PU Add ~~/~~ - P41/P42

~~PD & PU Change~~ ~~P37~~ - feds(P48)

USES:

~~STORAGE~~ - 18A-R02-01P-18B-NA
 IRR ≤ 5 ac - R66/R67/R68/R69 (0 03 cfs/ac)
 > 5 ac - R62/R63/R64/R65 (0.02 cfs/ac)
 STOCKWATER - R37 (BLM/USFS) *use R61*
 MINING ~~/~~ - 081 *volume*
 FISH PROP ~~/~~ - 029(70'S only)-042-081 *only*
 HEAT/COOL ~~/~~ - R07(injection well)
 FIRE PROT ~~/~~ - 077

~~Use Change/Add~~ ~~P46~~

ADVANCE PRIORITY? Yes ☒ No

MISC CONDITIONS/REMARKS:

Multiple pd's per 1/4 - W32
 Subd lot desc (pd) - W59
 Subd lot desc (pu) - W60
 Use definitions - W02 example - C/tire shop
 Non-consumptive - 027
 Water Quality - 081-R07
 Mitigation - 121 (if on permit)
 PPU acre limit - W27

CHECK NEW IRR SEASON MAP 4/1-10/31

SURFACE WATER: (✓Flow Chart)

In/Above MSF - WB9
 WD ~~/~~ - R04 (WD#)
 ≤ 0 20 cfs/others - R02- 01P or No MD
 > 0 20 cfs - R43

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤ 0 24 cfs/5 acres - No MD
 > 0 24 cfs/5 acres - 01M or No MD

RIVER BASINS: (SW special considerations)

SNAKE R (01) ~~/~~ - W22, N/A
 (02,03) - WB9 if above Weiser
 Payette R (65) ~~/~~ - 047(Payette Lake)
 Salmon R (70's) ~~/~~ - 029 (fish screens)
 Weiser R (67) ~~/~~ - 086-087

USES:

POWER ~~/~~ - R22-R23 (+uses)-025-081-W42-W43-027
 MUNICIPAL ~~/~~
 Restricted area - 022,075
 Irr, GW supp to SW - 102
 DOMESTIC ~~/~~
 Surface water - WB5 (Big Wood or Boise above Star Bridge)
 27A (Payette R)
 >1 in restricted area - 070-071-075(no parks/common areas, etc)
 Irr use listed separate - WB5
 Lawn/garden included - W01

OVERLAP ANALYSIS/RATES/VOLUMES:

PD overlap rights - W35-W36 Right #
 PU overlap rights - WB7-W31(<1 ac)
 GW replaced SW 050

Permit Rate 6340 af cfs Fee Limit N/A cfs
 Measured 4 cfs Theoretical cfs

Use	Rate	Volume
<u>02</u>	<u>/</u> cfs	<u>6340.0</u> af
<u>03</u>	<u>/</u> cfs	<u> </u> af
<u> </u>	<u>/</u> cfs	<u> </u> af
TOTALS	<u>/</u> cfs	<u> </u> af

OTHER CONDITIONS/REMARKS/COMMENTS

SRBA Claim Filed Yes No

If no, is a claim required: Yes No

AMENDMENTS REQUIRED ☒ Yes No
 Adjustment Memo Needed Yes No

If yes, paragraph codes: P41/P38

P42 reminder

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YTURRI ROSE LLP

JUL 25 2000

ATTORNEYS AT LAW

Department of Water Resources
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GENE C ROSE, RETIRED
EMIL R BERG, OF COUNSEL *

* Licensed in Oregon and Idaho

REPLY TO
[X] ONTARIO OFFICE
[] PENDLETON OFFICE
[] PORTLAND OFFICE
[] IDAHO OFFICE

July 24, 2000

Shelly Keen
Idaho Dept. of Water Resources
1301 N. Orchard
Boise, ID 83720

Re: Succor Creek District Improvement Company
Our file no.: 990492

Dear Shelly:

As we discussed, this firm represents Succor Creek District Improvement Company ("District"). I wanted to follow-up our conversation of July 22, 2000 and provide you a copy of the final proof survey map which has been submitted to the State of Oregon in connection with the District's water right application in that state. I have attached a copy of the map and a written breakdown of the acreage included in the survey for your review.

On July 13, 2000 I attended a season of use objection hearing on behalf of Succor Creek. The proposed season of use suggested by the Department was May 1 through October 1. Evidently, District's permit application and its claim reflect these dates as the District's season of use. These dates are shorter than the District's actual irrigation season and its established irrigation season under its Oregon water permit and proposed certificate. The State of Oregon has established April 1 through October 15 as the irrigation season for all basins within the Owyhee drainage system.

Since the District's permit and claim both reference the shorter irrigation season, it was suggested that I amend the District's permit and claim to reflect the longer season and then return for a second season of use objection hearing. The court gave me two (2) weeks in which to amend the permit and claim. However, upon discussion following the hearing, Canide McHugh suggested I provide the State with a copy of the final proof survey submitted to the State of Oregon and that this may be sufficient to push the license through. It was suggested that I contact you in order to determine how best, procedurally, to handle this situation.

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P O BOX 177
331 S E SECOND
PENDLETON, OREGON 97801
TELEPHONE (541) 966-8582

PORTLAND
P O BOX 22678
4215 S E KING ROAD
PORTLAND, OREGON 97269-2678
TELEPHONE (503) 513-5917
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NOV 20 2000 IDAHO
P O BOX 450
FRUITLAND, IDAHO 83619
TELEPHONE (208) 452-3209

Mr. Keen
July 24, 2000
Page 2

I understand the actual irrigation season the District wishes to attach to its license/certificate will likely be acceptable to the State of Idaho. My biggest concern at this point is how to proceed. It is my understanding that I should not need to amend the District's permit and claim since the permit itself can be amended during the actual license issuing procedure.

As we discussed, over 2500 of the approximate 2560 acres being irrigated in the District are located in the State of Oregon. The District has a permit from the state of Oregon and last summer, submitted its final proof survey to the ODWR. The survey was conducted by June Miller. She works out of the Canyon City, Oregon, branch of the Water Resources Department and can be reached at (541) 575-0119 and 201 S. Humbolt Street, Canyon City, Oregon 97820. I have worked with her over the past two years and she is familiar with the situation.

The District wishes to irrigate acreage in addition to those set out in its Oregon survey. Namely, approximately 70 acres which are located in Idaho and various BLM properties which corner a number of the properties in the District. The District executed an agreement with the BLM on November 2, 1999 which permits the District to apply for water rights on these properties. The water rights will be applied for through the District by way of a second water right application. I believe this second water right will include approximately 180 acres. I bring this up since the acreage described in the District's Idaho Permit and the draft Idaho Certificate I reviewed in May are not the same. The Certificate includes appx. 2600 acres which appears to coincide with the Oregon final proof survey if the Idaho acres are taken into consideration. It should be noted that the final proof survey conducted by June Miller does not contain a survey of the Idaho property. Unlike its application in Idaho, the Oregon application does not contain the Idaho properties. The reason for this is the fact the source of water (Texas Basin Reservoir) is located in Idaho. It is for this reason we have applied for water rights in both states. I have discussed this matter with Steve Brown in the Salem, Oregon DWR office. It appears that the District is in a unique situation in regards to its water rights and the State of Oregon is not completely sure how to proceed.

The discrepancy between the acreage described in the Idaho permit and that set forth in the draft certificate needs to be explained. From what I can gather, a number of members of the District traveled to Boise at the time the Idaho permit was applied for. At that time, these members paid the "permit fee" while other members waited until a later time to do so. If you have record of this, please let me know. I believe the total acreage set forth in the draft certificate is accurate. Of course, a review of the final proof survey will reflect whether the Idaho certificate accurately reflects the irrigation of acreage within the District.

Given the above, I am requesting your input in connection with the following issues:

1. How to proceed in the season of use objection hearings;
2. How to proceed in obtaining the water license which will include the Idaho acreage not described in the Oregon final proof survey;
3. How best to proceed in connection with a second water right application given acreage is uncertain in the first application; and

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NOV 20 2000

Mr. Keen
July 24, 2000
Page 3

4. Finalizing the number of acres to be included in the license/certificate.

I appreciate your willingness to help in connection with Succor Creek's water right application(s). I look forward to discussing this matter further once you have had a chance to review the enclosed map and legals.

Very truly yours,

YTURRI ROSE LLP



Todd J. Winegar

TJW/mf

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NOV 20 2000

Exhibit A

Land in Malheur County, Oregon, as follows

Township 23 South, Range 46 East, W.M.:

Sec 33: NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 4.5 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 24.9 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 6.4 acres

65N, 1W

Township 24 South, Range 46 East, W.M.:

Sec. 5: Lot 7 - 13.1 acres SWNE
Lot 8 - 29.8 acres SENE

65N, 2W

Township 25 South, Range 46 East, W.M.:

Sec. 17: NW $\frac{1}{4}$ SE $\frac{1}{4}$ - .1 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 16.8 acres

65N, 3W

Sec. 20: NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 17.3 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 11 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 12.1 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 33.2 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 22.9 acres

Sec. 28: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 2.4 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 4.4 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 7.3 acres

Sec. 29: NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 31.6 acres
NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 30.3 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 30.2 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 33.4 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 38.8 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 29 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 12 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 37.9 acres

Sec. 32: NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 16.2 acres

Sec. 33: NE $\frac{1}{4}$ NW $\frac{1}{4}$ - 20.6 acres
NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 36 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 25.5 acres
SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 32.2 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 25.8 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 21 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 37.2 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 34.3 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 21.5 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 33.6 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 36.5 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 31.5 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 35.1 acres

Sec. 34: NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 4.1 acres

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SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 23 acres

Township 25 South, Range 46 East, W.M.

Sec. 1. NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 20 acres

65N, 3W

Township 26 South, Range 46 East, W.M.:

Sec. 2. NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 3.2 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 5.5 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 30.6 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 15 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 29 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 15.8 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 26 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 10 acres

65N, 4W

Sec. 3: SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 18.9 acres
Lot 3 (NE $\frac{1}{4}$ NW $\frac{1}{4}$) - 13.8 acres
Lot 4 (NW $\frac{1}{4}$ NW $\frac{1}{4}$) - 35 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 12 acres
SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 31.2 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 25 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 32.9 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 19.5 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 23.9 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 26.9 acres

Sec. 4. Lot 1 (NE $\frac{1}{4}$ NE $\frac{1}{4}$) - 21.1 acres
Lot 4 (NW $\frac{1}{4}$ NW $\frac{1}{4}$) - 38.6 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 36.1 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 28.4 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 20.1 acres

Sec. 5: Lot 1 (NE $\frac{1}{4}$ NE $\frac{1}{4}$) - 2 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 10 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 17.3 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 30.3 acres

Sec. 8. NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 39 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 29.2 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 32.5 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 4.7 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 26.3 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 9.8 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 33.7 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 8.2 acres

Sec. 9. NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 4.5 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 4.5 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 13 acres

Sec. 10. NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 32.8 acres
NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 14.3 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 10.9 acres

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NOV 20 2000

SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 33.2 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 32.8 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 3.7 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 24.4 acres

Sec. 11: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 9.6 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 14 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 38.5 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 38.6 acres

Sec. 14: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 29.8 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 10.9 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 9 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 6.1 acres

Sec. 15: NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 28.1 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 22.3 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 19.8 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 15.4 acres

Sec. 17: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 6 acres
NE $\frac{1}{4}$ NW $\frac{1}{4}$ - 8.7 acres

Sec. 22: NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 12.7 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 17.5 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 23.7 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 19.3 acres

Sec. 23: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 12.1 acres
SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 6.4 acres

Sec. 26: NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 3.5 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 3.8 acres

Sec. 27: NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 8.9 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 2.1 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 2.2 acres

Sec. 35: NE $\frac{1}{4}$ NW $\frac{1}{4}$ - 6.2 acres
NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 2.6 acres
SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 10.8 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 5.3 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 1 acre

Township ²⁴~~26~~ South, Range 46 East, W.M.:

Sec. 11: NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 3.6 acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 3.4 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 9.7 acres
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 10.4 acres

Township 27 South, Range 46 East, W.M.:

Sec. 12: NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 4.8 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 9.5 acres

65N, 2W

65N, 5W

NOV 20 2000

Sec 13. NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 6.4 acres
 NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 1.2 acres
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 13.9 acres

Sec. 14. SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 4.3 acres

Sec. 24: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 4.6 acres
 SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 17.3 acres
 SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 4.8 acres
 NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 18 acres
 SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 14.2 acres

Sec. 25. SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 3 acres
 NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 10.9 acres
 NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 1 acre
 NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 2.7 acres
 SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 10.5 acres

Sec. 36: NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 3.7 acres
 NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 3.5 acres

Township 23 South, Range 46 East, W.M.

Sec. 22: SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 22.8 acres
 NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 34 acres
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 34.4 acres
 SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 9.1 acres
 NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 15.7 acres

Sec 27: NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 19.7 acres
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 3.1 acres

Township 23 South, Range 46 East, W.M.

Sec. 21: SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 8.1 acres
 NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 7.8 acres

65N 1W

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NOV 20 2009

YTURRI, ROSE, BURNHAM, BENTZ & HELFRICH, LLP

ATTORNEYS AT LAW

a Limited Liability Partnership

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REPLY TO
☒ ONTARIO OFFICE
☐ BAKER OFFICE
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☐ IDAHO OFFICE

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SEP 19 1997

September 17, 1997

Idaho Water Resources Department
Attn: Sharla Curtis
PO Box 83720
Boise ID 83720-0098

Department of Water Resources

Re: Permit No. 57-07153 (Succor Creek Water Control District)
Our File No. 85-59

Dear Ms. Curtis:

I spoke with the Oregon Water Resources Department on September 15, 1997. I asked them if they could let me know the current status of the final proof survey on the Succor Creek Irrigation District property. They indicated that the actual ~~field~~ **work** had **been done** in 1994 but that the press of **recently enacted** legislation (primarily HB 3111) **has made it impossible** to finalize the survey.

June Miller (~~the~~ **engineer** working for the Oregon Water Resources Department in charge of final proof surveys) explained to me that she **thought she would be getting back** to this project in the relatively near future. I explained to her that the final proof survey, on the Oregon side, was necessary to allow Idaho to complete its certificate process.

I also indicated to Ms. Miller that I did not think that there was any time pressure to complete the survey on the Oregon side. If I was wrong in making that assumption, please let me know and I will so indicate to Ms. Miller.

Thank you very much for your consideration.

Very truly yours,

YTURRI, ROSE, BURNHAM, BENTZ & HELFRICH

Cliff Bentz

CSB/tm
pc: Ron Cunningham

MICROFILMED

NOV 2 1997

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BAKER CITY, OREGON 97814
TELEPHONE (541) 523-7094
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FRUITLAND, IDAHO 83619
TELEPHONE (208) 452-3209



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. BOX 83720, Boise, Idaho 83720-0098

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

August 11, 1997

Cliff Bentz
Yturri, Rose, Burnham, Bentz & Helfrich
PO Box S
Ontario, OR 97914

RE: Permit No. 57-07153 (Succor Creek Water Control District)

Dear Mr. Bentz:

In July of 1995 you spoke with Shelley Keen of this office regarding the licensing of the above referenced water right. In a letter from you to Shelley dated 7/25/95, you indicated that the State of Oregon was to perform a "final proof survey" on this project. As of this date, we have received no further information as to progress on this matter.

If the final proof survey is available and/or a certificate has been issued, could you please forward copies of such to us at your earliest convenience. We appreciate your help in this matter

Sincerely,

SHARLA CURTIS
Water Resource Agent

MICROFILMED

NOV 20 2000

MEMORANDUM

DATE: July 26, 1995

TO: Files 57-07153 and 57-07571

FROM: Shelley W. Keen *SWK*

RE: Confirmation of the Place of Use

=====

The place of use for these two water rights is in Oregon. The Oregon licenses have not yet been issued because Oregon has not completed its "final proof survey", which is apparently equivalent to Idaho's Beneficial Use Field Report. In order to ensure that the Idaho licenses are issued with an accurate place of use, I recommend that licensing be delayed until the Oregon license and/or final proof survey are available for inspection.

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NOV 20 2000

YTURRI, ROSE, BURNHAM, BENTZ & HELFRICH

ATTORNEYS AT LAW

CARL BURNHAM, JR.
CLIFF BENTZ *
TIM J. HELFRICH *
BRUNO J. JAGELSKI *
SCOTT K. WARNER *

89 S.W. THIRD AVENUE
P.O. BOX "S"
ONTARIO, OREGON 97914

TELEPHONE
(503) 889-5368

DOCUMENT TRANSMISSION
(503) 889-2432

ANTHONY YTURRI, RETIRED
GENE C. ROSE, OF COUNSEL
EMIL R. BERG*, OF COUNSEL

REPLY TO
[X] ONTARIO OFFICE
[] BAKER OFFICE
[] PORTLAND OFFICE
[] IDAHO OFFICE

* Licensed in Oregon and Idaho

July 25, 1995

RECEIVE

JUL 26 1995

Department of Water Resources

Shelly Walter Keen
Water Rights Supervisor
1301 North Orchard
Boise ID 83706

Re: Succor Creek District Improvement Company, Idaho Permit No. 57-07153
Oregon Permit No. 40584
Our File No. 8559

Dear Mr. Keen:

This letter is intended as a brief review of our conversation of July 20, 1995 wherein you, I, and Mary Ellen Allison discussed the status of the Succor Creek District Improvement Company Oregon water right.

As I indicated, the District, in Oregon, has been waiting for the State of Oregon to perform the "final proof survey." Under Oregon law, Succor Creek District Improvement Company is entitled to have the State of Oregon perform and provide that final proof survey rather than acquiring that survey at their own cost. Although this is not the case with new water rights, Succor Creek District Improvement Company's water right permit predates the date that final proof surveys were delegated to the user who could utilize a "certified water rights examiner" for the purpose of carrying out the final proof survey.

Although we have contacted the State of Oregon, we have not been given any specific date by which the final proof survey would be performed. For that reason, we can't tell you exactly when we will have the verification available for the State of Idaho.

I understand that you will be placing a memo in your file indicating that Succor Creek will be issued its license when Oregon has provided the final verification of beneficial application of the water, and the bounds of that application.

If for some reason I have misunderstood the situation, please let me know immediately.

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BAKER
1809 MAIN STREET
BAKER CITY, OREGON 97814
TELEPHONE (503) 523-6471
FAX (503) 523-6472

PORTLAND
RIVIERA PLAZA
SUITE 403
1618 S W FIRST AVENUE
PORTLAND, OREGON 97201
TELEPHONE (503) 222-4634
FAX (503) 222-2868

IDAHO
P.O. BOX 450
FRUITLAND, IDAHO 83619
TELEPHONE (208) 452-3209

July 25, 1995
Page: 2

Thank you very much for your assistance.

Very truly yours,

YTURRI, ROSE, BURNHAM, BENTZ & HELFRICH



Cliff Bentz

CSB/tm
pc: Mary Ellen Allison

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NOV 20 2006



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 7, 1995

SUCCOR CREEK WATER CONTROL DISTRICT
ROCKVILLE ROUTE
JORDAN VALLEY OR 97910

RE: Permit No. 57-07153

Dear Permit Holder:

We are preparing to issue a license for Permit No. 57-07153, which authorizes the storage of Succor Creek water in Texas Basin Reservoir. According to our records, most of the irrigated place of use for this project is located in Oregon. Our file also shows that you obtained Permit No. 40584 from Oregon for this same project.

Before we can issue your Idaho water right license, we need a copy of any license issued on your Oregon permit. If no Oregon license has been issued, we will need some other official certification from Oregon showing that you have made proper beneficial use in Oregon of the water diverted in Idaho. The license or certification must include a description by legal subdivision of the lands irrigated.

Please submit the requested information within 30 days. If you have any questions, please contact me at 208-327-7946 in Boise.

Sincerely,

Shelley Walter Keen
Water Rights Supervisor

SWK

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NOV 20 2000



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

January 14, 1992

Oregon Water Resources Commission
3850 Portland Rd NE
Salem, OR 97310

Gentlemen:

We are preparing to issue a water right license to a permit holder who stores surface water in Idaho to irrigate 58 acres in this state and 2,531.3 acres within the State of Oregon. Because Oregon has reciprocal legislation which allows water to be diverted for use in neighboring states such as Idaho, we are willing to include the acres irrigated within Oregon under this license.

I request that you send me a copy of any license that has been issued for the irrigation of these lands within your state showing the description by legal subdivision of the acres irrigated.

I am enclosing a copy of our proposed license. I ask that you review the proposal and submit any comments you may have within 15 days.

Thank you in advance for your assistance in this matter.

Sincerely,

SHARLA CURTIS
Water Resource Agent

SC:blm

Enclosure

RECEIVED
JAN 21 2000

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 57-7153

1. Owner: Succor Creek Water Control District Phone No. (503) 339-3026

Current Address: Rockville Route, Jordan Valley, OR 97910

2. Accompanied by: Bob Davis

EXAM. DATE: 8-20-87

Address: P.O. Box 756, Homedale, ID 83628 Phone No. (503) 339-3608

Relationship to Permit Holder: Resident

3. Source: Succor Creek tributary to Snake River

B. OVERLAP REVIEW

1. Other water rights with same place of use: place of use is in Oregon - UNKNOWN OVERLAPS,
P/U IN IDAHO OVERLAPS WITH 57-04002 (WIDE-FLOW RIGHT) ☐ Copies Attached
NO STORAGE RT. OVERLAPS

2. Other water rights with same point of diversion: None

☐ Copies Attached

☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION SEE MAP ATTACHED

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

Scale: 1" = _____

Orthophoto

2. ☒ Copy of U.S.G.S. 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 or more).

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

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System Description (continued)

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

The system has a 104' high, 380' crest earth dam across Succor Creek. The reservoir formed has a surface area of 190 acres and a drainage ~~area~~ area of 51.6 square miles. Water is released through a 30" concrete pipe with a sliding control gate on the upstream side of the dam. The gate is opened

See Remarks on page 4 for continuation

4.

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

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	NE	NE	7	3S	5W	Owyhee	Topog. and ortho photo quad
		SE	NW	NE	7	3S	5W	Owyhee	" " " "

6. Place(s) of Use:

Indicate Method of Determination ORTHO PHOTO PER A57-0402 FILE

IDAHO ACRES →

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3S	6W	14							4	20	9	18							58
* SEE ATTACHED LAND LIST & MAP FOR PLACES OF USE IN OREGON - TOTAL OREGON ACRES IS → 2,581.3																			
																			TOTAL IN DISTRICT 2,519.3

*NOTE - IDAHO ACRES LISTED IN POLI - OREGON ACRES LISTED AS A TOTAL IN REMARKS ON ADJ. CLAIM.

Do not use this space

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Nov 20 2000

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

A reservoir level gauge is located on the west side of the reservoir a short distance above the dam. The high water mark was at "920" The mark for the minimum pool size is "830"

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: REQUEST REMOVAL OF MEAS. DEVICE - UNABLE TO MEASURE AT INFLOW, SEE CARTER'S ATTACHED MEMO DATED 11-8-90 - NO M.O. PUT AT OUTFLOW + WOULD ACTUALLY SERVE NO PURPOSE SINCE THIS IS A STORAGE RES. WHICH ACTUALLY SUPPLEMENTS THE LIVEFLOW RES. DIVERTING DOWNSTREAM ON SUGON CREEK DURING THE LATE SUMMER MONTHS WITHIN SUGON Cr. IS ONLY.
2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)
Total Head: (1) + (2) = _____ (3) : Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)
Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)
Meter Input HP: (6) x 1.34 = _____ (7)
Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)
Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation.

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{N/A - STORAGE RT.}$
 $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$
 $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\hspace{2cm}}$

2. Volume Calculations for Other Uses:

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

and closed by a worm gear driven by an air-cooled gasoline engine, ^{connected} to 2" shaft enclosed in a 3" pipe runs from the control gate to a 6'9" by 6'9" block building on the top of the dam that houses the gasoline engine.

The BLM requires 400 acre feet minimum pool size.

SINGLE P/D ON QR LINE - 82 10/9/91

IRRIG. FROM STORAGE IS CLARIFICATION OF USE SHOWN AS IRRIGATION ON PERMIT; NOT A CHANGE IN N/A.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation from storage	5-1	10-1		6340
Storage for irrigation	1-1	12-31		6340
Totals:				6340

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

P.D. 45 CHANGES, MODIFIED DAM CROSSIS BOTH 1/4" IN 7" IN 10-ACRE AREA - CROWN U.

J. AUTHENTICATION

Field Examiner's Name

Signature

Certification Date

Field Report Preparation Date

Carter Fritschle
Jan Shute for

8-20-87



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

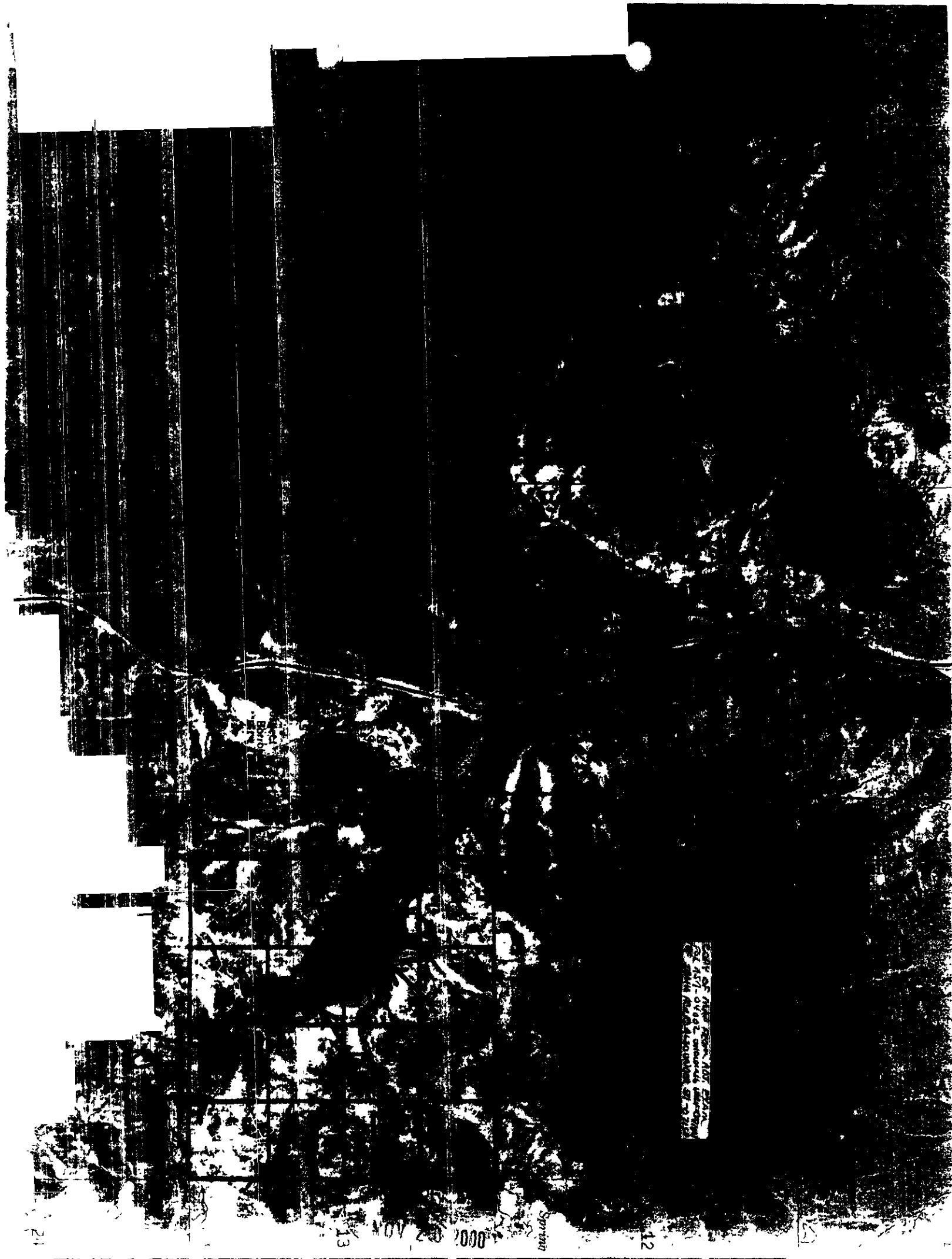
MICROFILMED
NOV 20 2000

57-7153

T 35
R 50

13/6/01 TS

12



1000
13

1000
13

24

MEMO

TO: File 57-07153
FROM: Carter Fritschle
DATE: November 8, 1990
RE: Place of use and measuring device requirement

Tom Hanley, the engineer for the Succor Creek Water Control District, was to submit a copy of the map for the place of use for this water right. The map was to be the same as the one he was submitting to the State of Oregon for an equivalent license for this water right in Oregon. To the best of my knowledge this department has not received a map certifying the acreage irrigated.

Also, there is a measuring device requirement on the permit. Because of the inaccessibility of the upper portion of the reservoir, the best location for a measuring device would probably be at the outlet. A measuring device at this location, and a chart for determining the acre feet corresponding to the gauge reading of the reservoir level, would probably be sufficient to protect downstream water users with flow rights.

MAP
SUBMITTED
& ATTACHED.

MICR

NOV 20 2000



Looking North
east at the
reservoir
area from
the top and
center of the
dam.



Looking
Northeast
at the spill-
way and
outlet (lower
center) of the
dam.

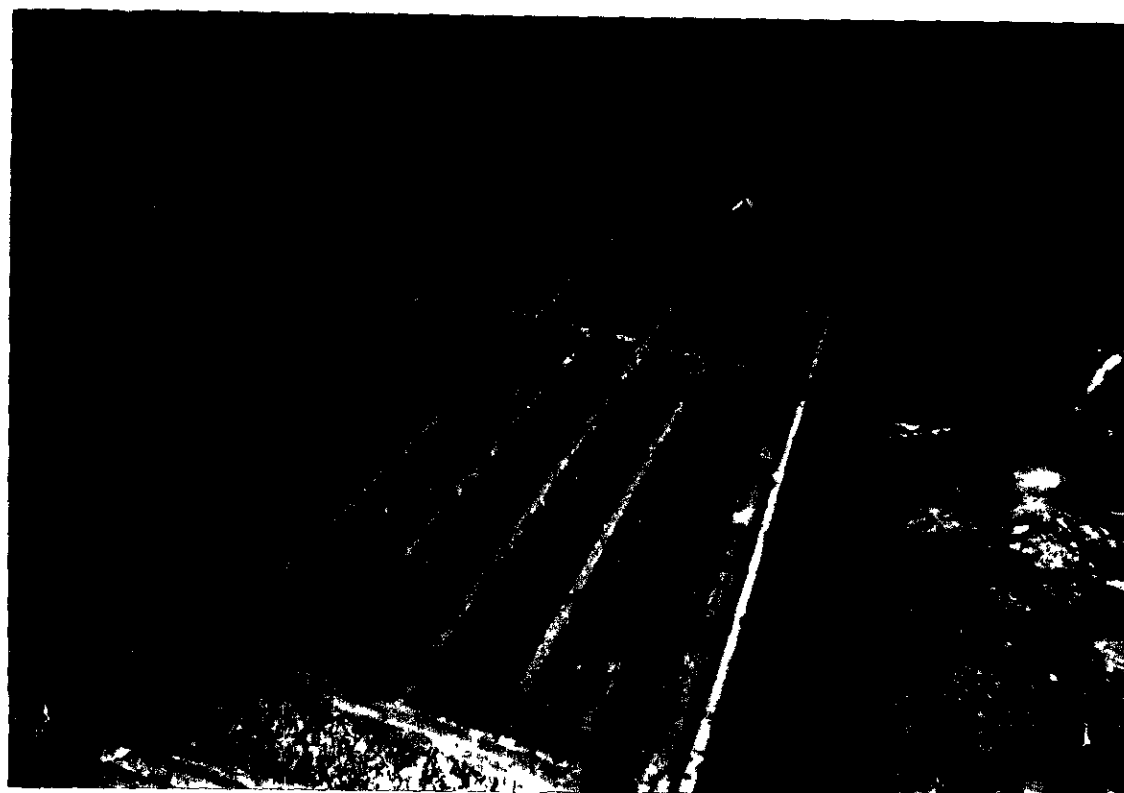
ENCLOSURE

NOV 11 1967

57-7153



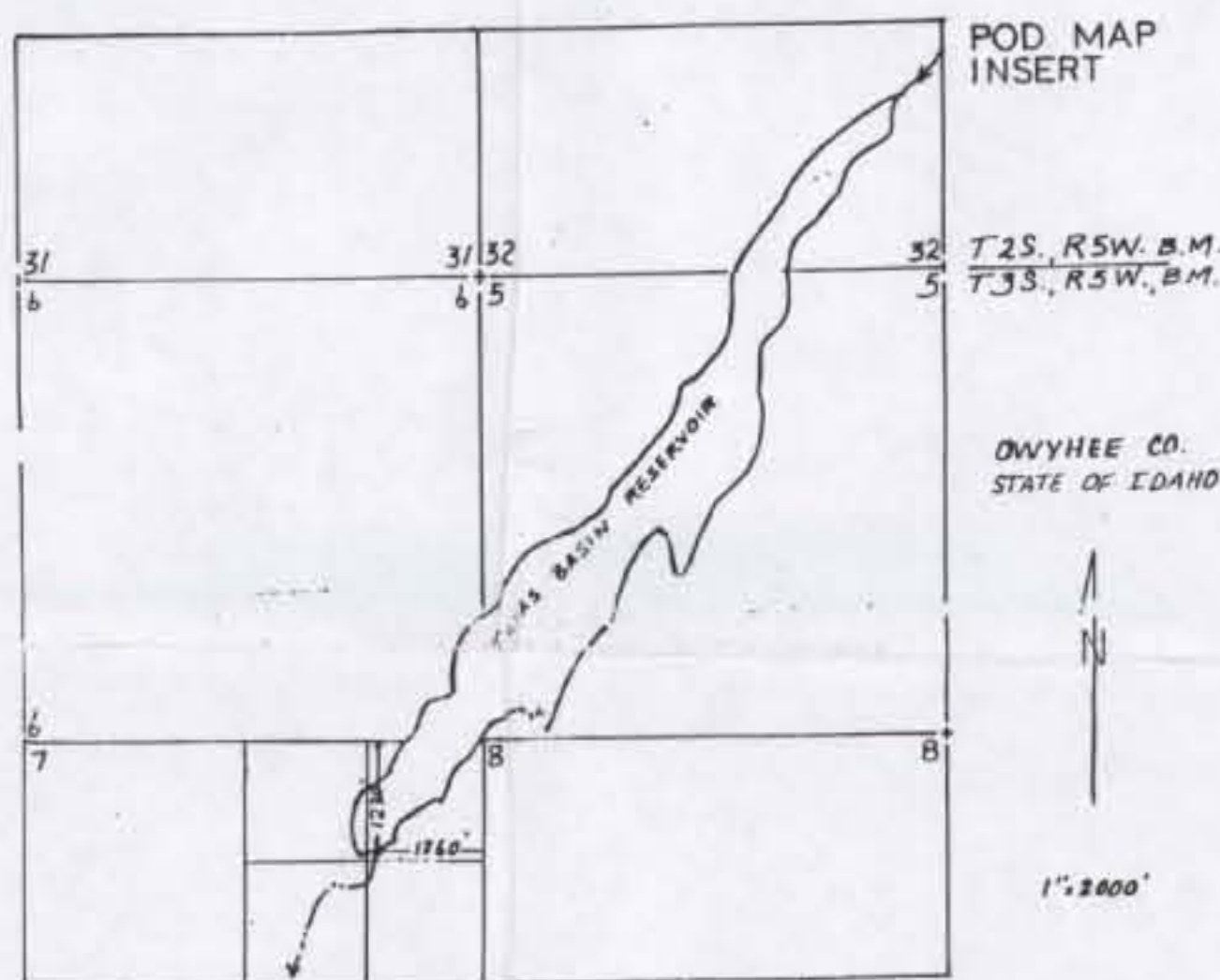
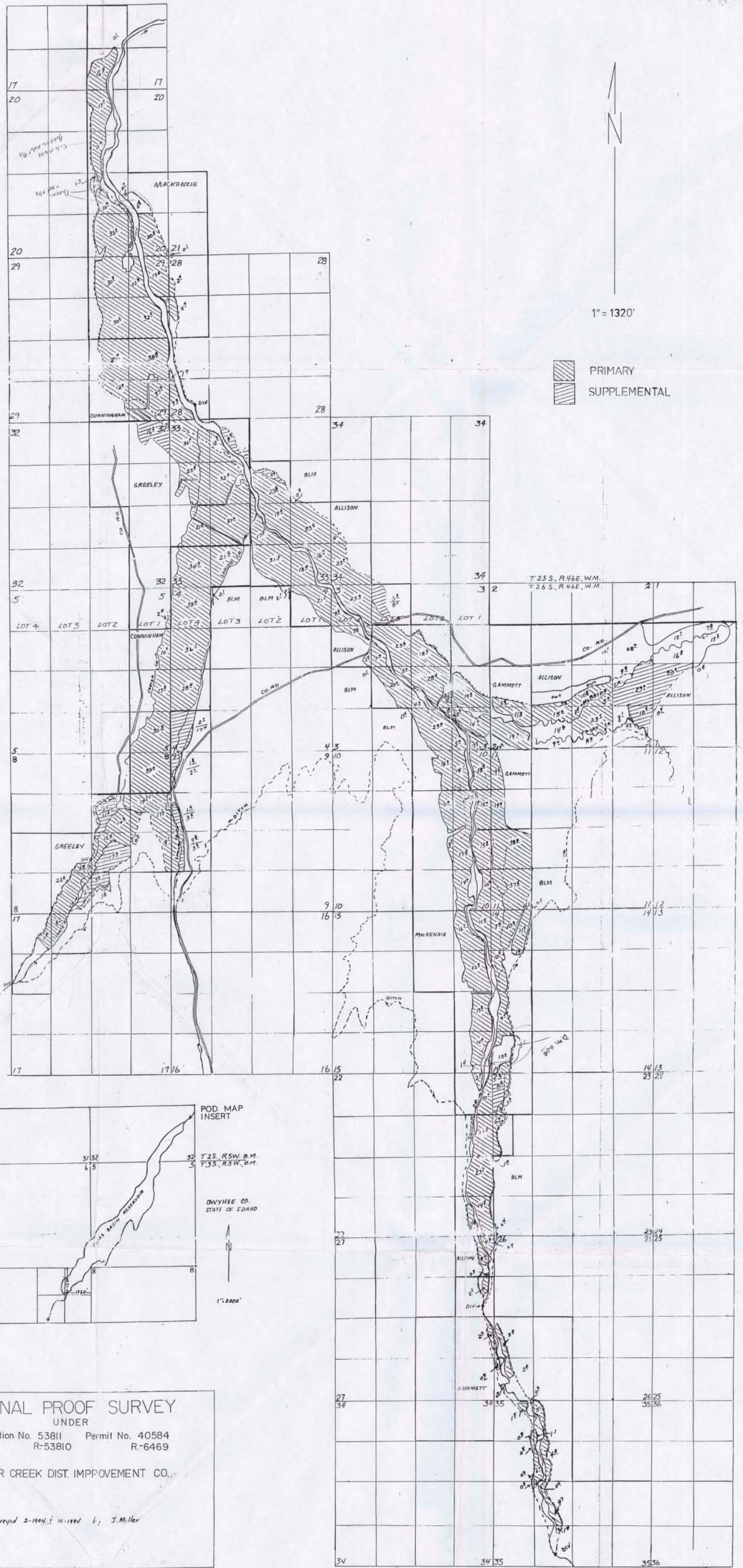
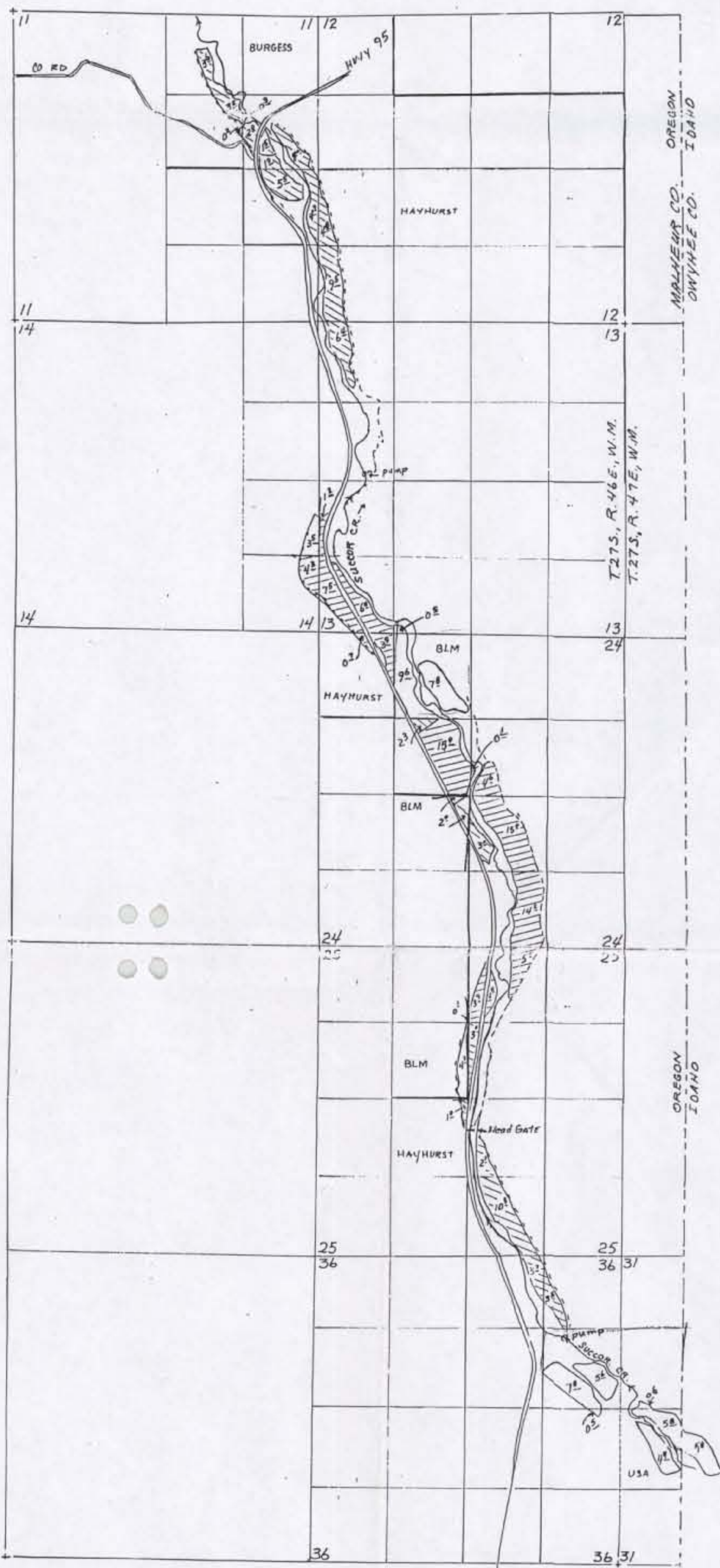
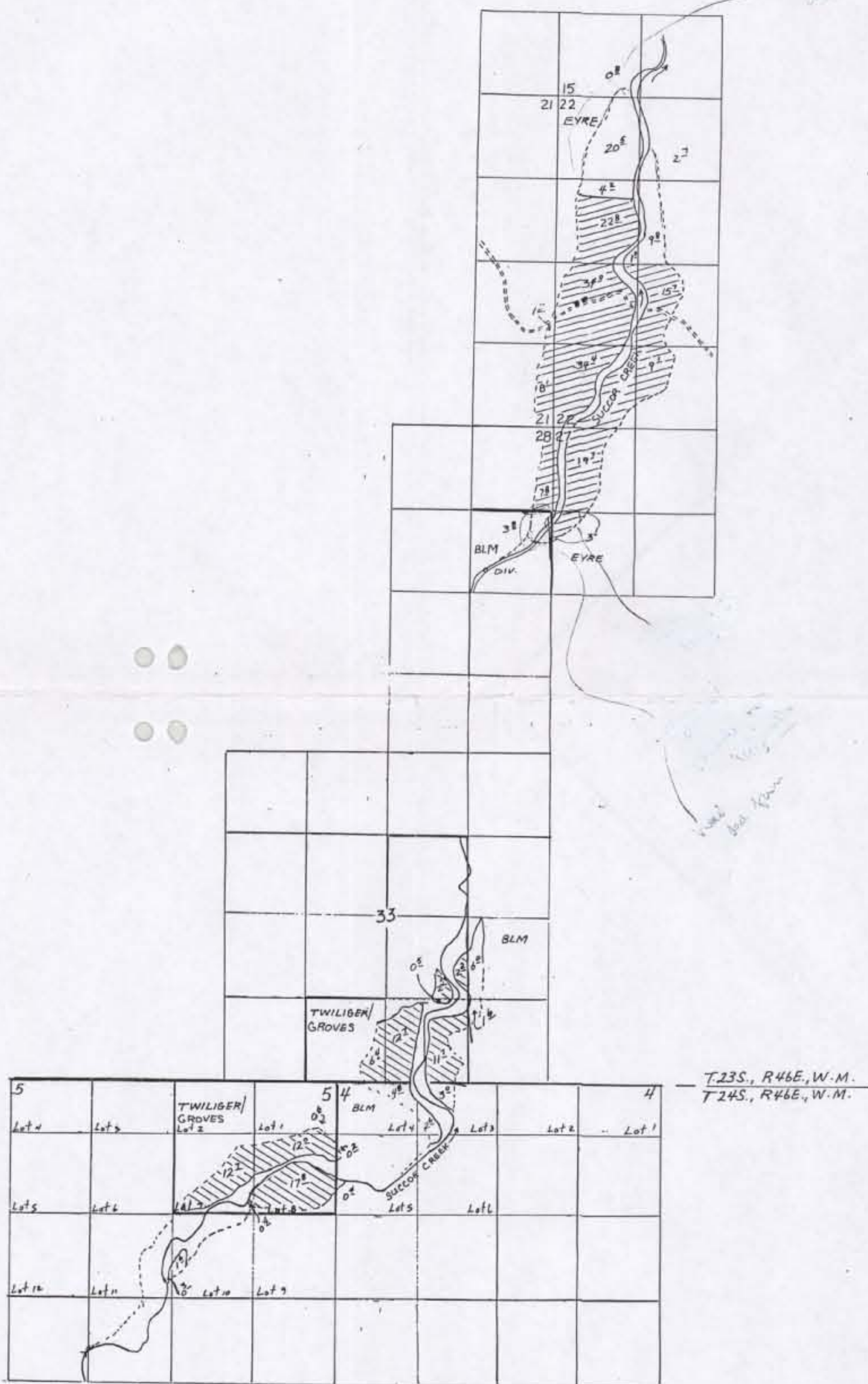
Looking
South west
at the
control gate



Facing
looking
North and
down looking
down at the
control gate

100-100

100-100



FINAL PROOF SURVEY
UNDER
Application No. 53811 Permit No. 40584
R-53810 R-6469
SUCCOR CREEK DIST. IMPROVEMENT CO.
Surveyed 2-1904; 10-1904 by J. Miller

Details 40584-NAPP-318-117M, 118M, 120M, 247M, 248M.

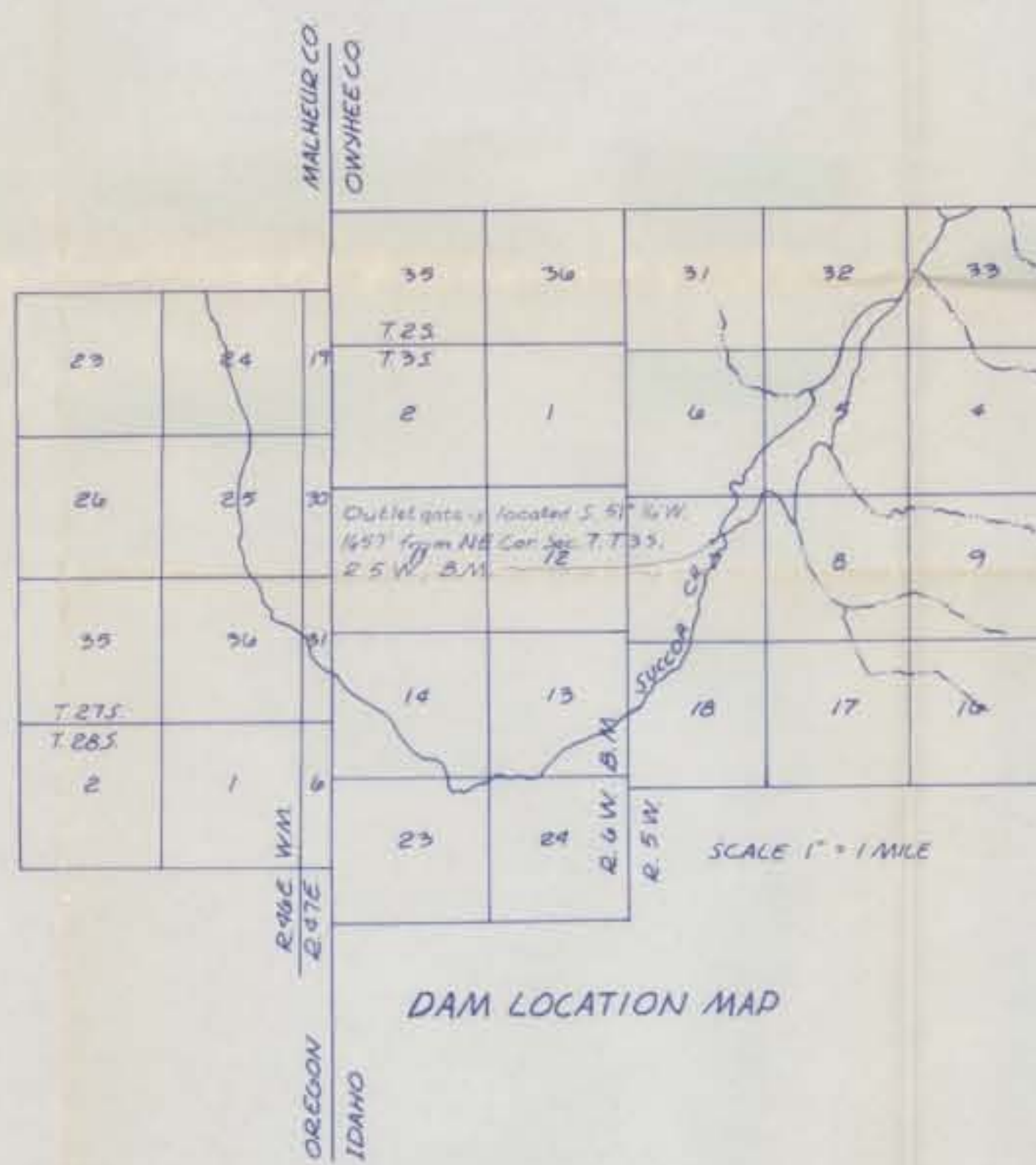
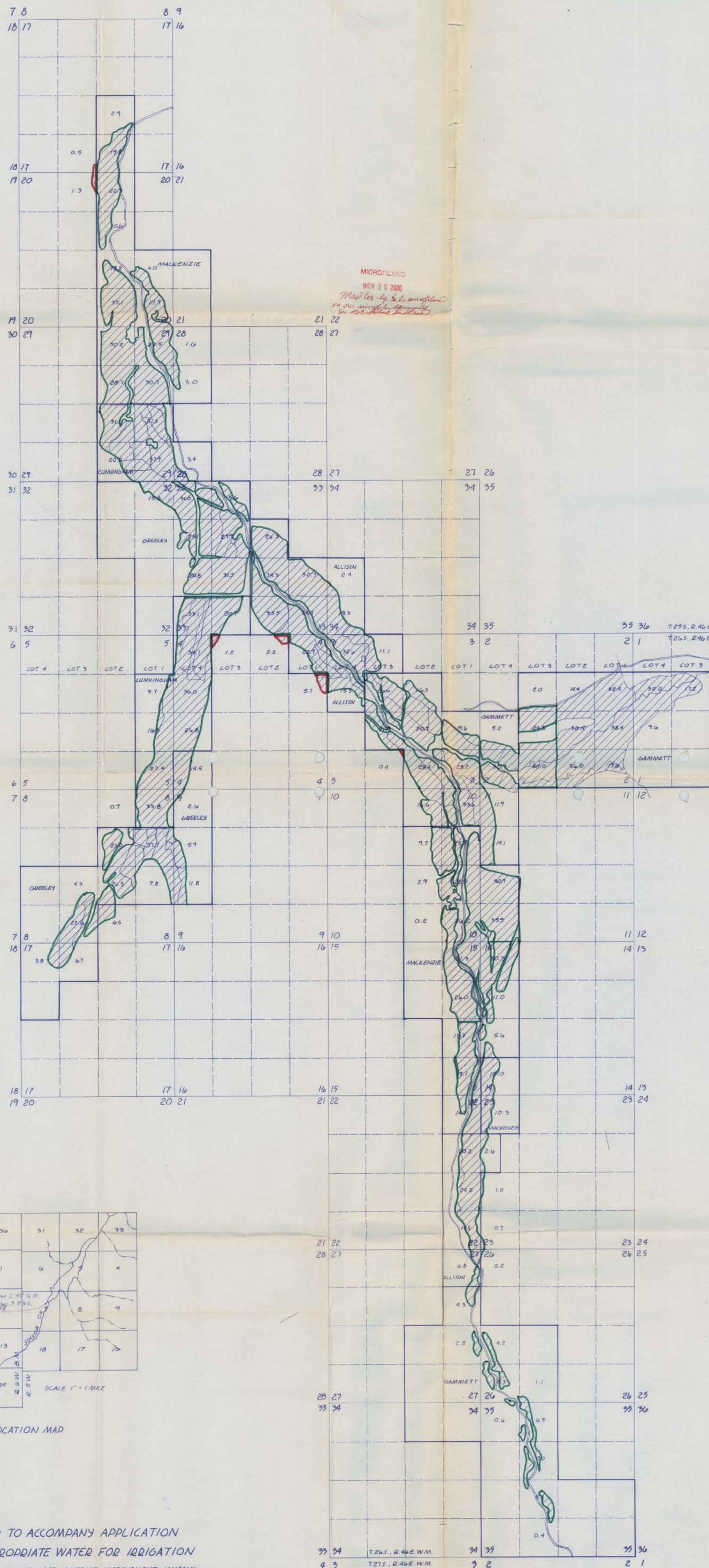
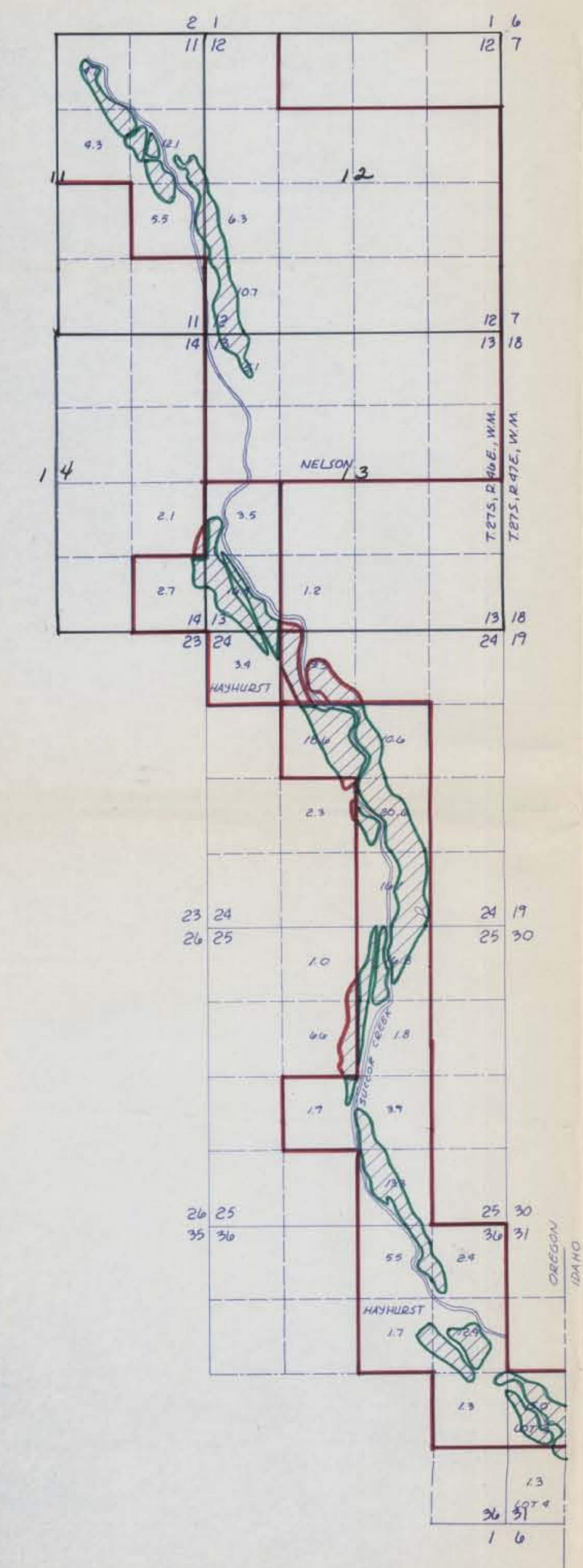
40584-NAPP-318-117M, 118M, 120M, 247M, 248M.
40584-NAPP-318-208M, 209M, 210M, 211M, 212M, 213M.
Data Refer. by J. Miller, Engineer, prepared 12-5-1977

J. Miller May 14, 1977

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NOV 20 2000

Map body to be replaced
on our microfiche equipment.
See also final notes.



ALL OF THE LANDS
LISTED ON THIS MAP
ARE LOCATED IN OREGON

SM-
RECEIVED

DEC 19 1975

WATER RESOURCES DEPT.
SALEM, OREGONPermit No. **40584**ASSIGNED, See Misc. Rec., Vol. **1** pag***APPLICATION FOR PERMIT****To Appropriate the Public Waters of the State of Oregon**I, Succor Creek Water Control District

(Name of applicant)

of Rockville Route, Marsing Idaho 83639

(Mailing address)

State of Oregon, do hereby make application for a permit to appropriate thefollowing described public waters of the State of Oregon, **SUBJECT TO EXISTING RIGHTS:**

If the applicant is a corporation, give date and place of incorporation

Stored waters of

1. The source of the proposed appropriation is Succor Creek and Texas Basin

(Name of stream)

Reservoir, a tributary of Snake River via Succor Creek.2. The amount of water which the applicant intends to apply to beneficial use is 100 6340cubic feet per second acre-feet.

(If water is to be used from more than one source, give quantity from each)

**3. The use to which the water is to be applied is irrigation and supplemental

(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

irrigation.4. The point of diversion is located S. 51° 16' W., 1657 feet from the NE

(N. or S.)

(E. or W.)

corner of Section 7, T. 3 S., R. 5 W., Boise Meridian, in Owyhee County,

(Section or subdivision)

Idaho.

(If preferable, give distance and bearing to section corner)

(If there is more than one point of diversion, each must be described. Use separate sheet if necessary)

being within the NE 1/4 of Sec. 7, Tp. 3 S.

(Give smallest legal subdivision)

(N. or S.)

R. 5 W., B. M., in the county of Owyhee, Idaho.

(E. or W.)

5. The canal is Succor Creek to be 33

(Main ditch, canal or pipe line)

(Miles or feet)

in length, terminating in the SE 1/4 of Sec. 33, Tp. 23 S.,

(Smallest legal subdivision)

(N. or S.)

R. 46 E., W. M., the proposed location being shown throughout on the accompanying map.

(E. or W.)

DESCRIPTION OF WORKS

Diversion Works—

6. (a) Height of dam 115 feet, length on top 383 feet, length at bottom30 feet; material to be used and character of construction soil and rockfill

(Loose rock, concrete, masonry,

spillway around left end of dam.

(rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate concrete with Armco 30-inch gate attached to

(Timber, concrete, etc., number and size of openings)

30-inch reinforced concrete conduit.

(c) If water is to be pumped give general description

(Size and type of pump)

(Size and type of engine or motor to be used, total head water is to be lifted, etc.)

NOV 20 1975

*A different form of application is provided where storage works are contemplated.

**Application for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

Canal System or Pipe Line— The canal is Succor Creek variable in width and fall.

7. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.
- (b) At miles from headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.
- (c) Length of pipe, ... ft ; size at intake, ... in.; size at ft. from intake in.; size at place of use in.; difference in elevation between intake and place of use, ... ft. Is grade uniform? Estimated capacity, ... sec. ft.
- 8 Location of area to be irrigated, or place of use

Township North or South	Range E or W of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated	
See attached sheets				~~2257~~	Actual 2256.9
~~Additional 385 acres, approximately, to be~~					
~~added by 40-acre tract designation when map-~~					
~~ping completed.~~					
26 S	46 E	1		~~165~~	58.8
26 S	46 E	2		~~220~~	238.0
				Total	2553.7

(If more space required, attach separate sheet)

- (a) Character of soil . . . varies silt to sandy loam
- (b) Kind of crops raised hay and pasture
- Power or Mining Purposes—
9. (a) Total amount of power to be developed theoretical horsepower.
- (b) Quantity of water to be used for power sec. ft.
- (c) Total fall to be utilized feet.
(Head)
- (d) The nature of the works by means of which the power is to be developed
- (e) Such works to be located in of Sec.
(Legal subdivision)
- Tp., R., W. M.
(No N. or S.) (No E or W.)
- (f) Is water to be returned to any stream?
(Yes or No)
- (g) If so, name stream and locate point of return
, Sec., Tp., R., W. M.
 (No N or S) (No E or W)
- (h) The use to which power is to be applied is
- (i) The nature of the mines to be served

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NOV 21 2006

8. Location of area to be irrigated, or place of use

Twp.	Range	Section	Forty-acre Tract	Number of Acres To Be Irrigated
23 S	46 E	33	SE1/4NE1/4	0.5
			NE1/4SE1/4	7.0
			NW1/4SE1/4	4.5
			SW1/4SE1/4	23.5
			SE1/4SE1/4	1.9
			NE1/4SW1/4	0.3
			SE1/4SW1/4	17.3
24 S	46 E	4	Lot 3	7.9
			Lot 4	6.9
24 S	46 E	5	Lot 1	19.5
			Lot 2	7.6
25 S	46 E	17	NW1/4SE1/4	3.2
			SW1/4SE1/4	18.4
			SE1/4SW1/4	0.7
25 S	46 E	20	NW1/4NE1/4	20.7
			SW1/4NE1/4	9.9
			NE1/4NW1/4	0.7
			NE1/4SE1/4	7.1
			NW1/4SE1/4	16.3
			SW1/4SE1/4	31.3
			SE1/4SE1/4	20.6
25 S	46 E	28	NW1/4NW1/4	2.9
			SW1/4NW1/4	3.7
			SW1/4SW1/4	7.9
25 S	46 E	29	NE1/4NE1/4	28.4
			NW1/4NE1/4	32.5
			SW1/4NE1/4	26.6
			SE1/4NE1/4	28.3
			NE1/4SW1/4	34.9
			NW1/4SE1/4	24.8
			SW1/4SE1/4	11.6
			SE1/4SE1/4	36.9

WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

JUN 14 1976

WATER RESOURCES DEPT
SALEM, OREGON

Application No. 53811

Permit No. 40584

MICROFILMED

NOV 21 2003

RECEIVED

DEC 19 1975

WATER RESOURCES
SALEM, OREGON

8. Location of area to be irrigated, or place of use

Twp.	Range	Section	Forty-acre Tract	Number of Acres To Be Irrigated
25 S	46 E	32	NE $\frac{1}{4}$ NE $\frac{1}{4}$	16.1
25 S	46 E	33	SW $\frac{1}{4}$ NE $\frac{1}{4}$	25.9
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	3.5
			NE $\frac{1}{4}$ NW $\frac{1}{4}$	18.0
			NW $\frac{1}{4}$ NW $\frac{1}{4}$	31.7
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	25.0
			SE $\frac{1}{4}$ NW $\frac{1}{4}$	29.4
			NE $\frac{1}{4}$ SW $\frac{1}{4}$	40.0
			NW $\frac{1}{4}$ SW $\frac{1}{4}$	25.3
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	31.9
			SE $\frac{1}{4}$ SW $\frac{1}{4}$	20.8
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	36.2
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	30.0
			SW $\frac{1}{4}$ SE $\frac{1}{4}$	29.3
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	33.7
25 S	46 E	34	NW $\frac{1}{4}$ SW $\frac{1}{4}$	6.3
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	25.2
			SE $\frac{1}{4}$ SW $\frac{1}{4}$	1.4
26 S	46 E	2	NW $\frac{1}{4}$ SW $\frac{1}{4}$	5.2
			~~NE$\frac{1}{4}$SW$\frac{1}{4}$~~ SW $\frac{1}{4}$ SW $\frac{1}{4}$	30.7
26 S.	46 E	3	SW $\frac{1}{4}$ NE $\frac{1}{4}$	16.3
			Lot 3	13.7
			Lot 4	30.8
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	7.2
			SE $\frac{1}{4}$ NW $\frac{1}{4}$	26.6
			NE $\frac{1}{4}$ SW $\frac{1}{4}$	21.9
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	19.6
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	30.7
			SW $\frac{1}{4}$ SE $\frac{1}{4}$	28.4
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	28.2
26 S	46 E	4	Lot 1	17.8
			Lot 2	1.0

Application No. 53811

Permit No. 4058

MICROFILMED
NOV 20 2000

7111-

8. Location of area to be irrigated, or place of use

Twp.	Range	Section	Forty-acre Tract	Number of Acres To Be Irrigated
26 S	46 E	4	Lot 3	1.6
			Lot 4	30.3
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	33.0
			NW $\frac{1}{4}$ SW $\frac{1}{4}$	25.4
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	21.7
26 S	46 E	5	Lot 1	0.6
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	9.5
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	17.4
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	28.6
26 S	46 E	8	NE $\frac{1}{4}$ NE $\frac{1}{4}$	38.7
			NW $\frac{1}{4}$ NE $\frac{1}{4}$	0.7
			SW $\frac{1}{4}$ NE $\frac{1}{4}$	24.1
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	36.6
			NE $\frac{1}{4}$ SW $\frac{1}{4}$	0.9
			SE $\frac{1}{4}$ SW $\frac{1}{4}$	17.6
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	18.9
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	26.9
			SW $\frac{1}{4}$ SE $\frac{1}{4}$	8.3
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	0.7
26 S	46 E	9	NW $\frac{1}{4}$ NW $\frac{1}{4}$	3.8
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	3.4
			NW $\frac{1}{4}$ SW $\frac{1}{4}$	8.3
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	0.6
26 S	46 E	10	NE $\frac{1}{4}$ NE $\frac{1}{4}$	33.6
			NW $\frac{1}{4}$ NE $\frac{1}{4}$	16.6
			SW $\frac{1}{4}$ NE $\frac{1}{4}$	10.3
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	30.7
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	29.1
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	10.3
			SW $\frac{1}{4}$ SE $\frac{1}{4}$	8.8
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	27.3
26 S	46 E	11	NW $\frac{1}{4}$ NW $\frac{1}{4}$	11.9

Section No.
Permit No.

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NOV 20 2000

8. Location of area to be irrigated, place of use

Twp.	Range	Section	Forty-acre Tract	Number of Acres To Be Irrigated
26 S	46 E	11	SW $\frac{1}{4}$ NW $\frac{1}{4}$	14.1
			NW $\frac{1}{4}$ SW $\frac{1}{4}$	28.9
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	35.0
26 S	46 E	14	NW $\frac{1}{4}$ NW $\frac{1}{4}$	21.9
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	8.7
			NW $\frac{1}{4}$ SW $\frac{1}{4}$	3.6
26 S	46 E	15	NE $\frac{1}{4}$ NE $\frac{1}{4}$	28.9
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	19.1
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	16.2
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	12.4
26 S	46 E	17	NE $\frac{1}{4}$ NW $\frac{1}{4}$	9.0
			NW $\frac{1}{4}$ NW $\frac{1}{4}$	9.4
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	8.0
26 S	46 E	22	NE $\frac{1}{4}$ NE $\frac{1}{4}$	11.4
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	20.9
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	21.8
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	18.1
26 S	46 E	26	NW $\frac{1}{4}$ SW $\frac{1}{4}$	4.2
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	8.3
			SE $\frac{1}{4}$ SW $\frac{1}{4}$	1.1
26 S	46 E	27	NE $\frac{1}{4}$ NE $\frac{1}{4}$	9.4
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	4.2
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	2.8
26 S	46 E	35	NE $\frac{1}{4}$ NW $\frac{1}{4}$	6.5
			NW $\frac{1}{4}$ NW $\frac{1}{4}$	0.6
			SE $\frac{1}{4}$ NW $\frac{1}{4}$	7.0
			NE $\frac{1}{4}$ SW $\frac{1}{4}$	5.2
			SE $\frac{1}{4}$ SW $\frac{1}{4}$	0.4
27 S	46 E	11	NE $\frac{1}{4}$ NE $\frac{1}{4}$	1.1
			NW $\frac{1}{4}$ NE $\frac{1}{4}$	3.7
			SW $\frac{1}{4}$ NE $\frac{1}{4}$	3.7
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	4.8

Application No. 53811

Permit No. 4058

4058 MICROFILMED
JUN 21 1982

3504

8. Location area to be irrigated, or use of use

Twp.	Range	Section	Forty-acre Tract	Number of Acres To Be Irrigated
27 S	46 E	11	NE $\frac{1}{4}$ SE $\frac{1}{4}$	9.2
27 S	46 E	12	NW $\frac{1}{4}$ SW $\frac{1}{4}$	4.8
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	10.3
27 S	46 E	13	NW $\frac{1}{4}$ NW $\frac{1}{4}$	12.9
			SW $\frac{1}{4}$ NW $\frac{1}{4}$	9.5
			NW $\frac{1}{4}$ SW $\frac{1}{4}$	1.9
			SW $\frac{1}{4}$ SW $\frac{1}{4}$	16.5
			SE $\frac{1}{4}$ SW $\frac{1}{4}$	1.3
26	46 E	14	NE $\frac{1}{4}$ SE $\frac{1}{4}$	4.0
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	4.0
27 S	46 E	24	NW $\frac{1}{4}$ NE $\frac{1}{4}$	0.1
			SW $\frac{1}{4}$ NE $\frac{1}{4}$	8.8
			NE $\frac{1}{4}$ NW $\frac{1}{4}$	15.8
			NW $\frac{1}{4}$ NW $\frac{1}{4}$	3.8
			SE $\frac{1}{4}$ NW $\frac{1}{4}$	16.5
			NE $\frac{1}{4}$ SW $\frac{1}{4}$	1.4
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	21.7
			SW $\frac{1}{4}$ SE $\frac{1}{4}$	17.8
27 S	46 E	25	NW $\frac{1}{4}$ NE $\frac{1}{4}$	10.5
			SW $\frac{1}{4}$ NE $\frac{1}{4}$	1.7
			NE $\frac{1}{4}$ NW $\frac{1}{4}$	0.4
			SE $\frac{1}{4}$ NW $\frac{1}{4}$	4.2
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	1.5
			SW $\frac{1}{4}$ SE $\frac{1}{4}$	11.7
			SE $\frac{1}{4}$ SE $\frac{1}{4}$	0.1
27	46 E	36	NE $\frac{1}{4}$ NE $\frac{1}{4}$	6.2
			NW $\frac{1}{4}$ NE $\frac{1}{4}$	1.6

Application No. 53811

Permit No. 40584

1982

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Application No.
Permit No.

40584

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MAR 27 1988

10. (a) To supply the city of
 County, having a present population of
 (Name of)
 and an estimated population of in 19.....

(b) If for domestic use state number of families to be supplied

(Answer questions 11, 12, 13, and 14 in all cases)

11. Estimated cost of proposed works, \$ 10,000
 12. Construction work will begin on or before July 1, 1976 1977
 13. Construction work will be completed on or before December 1, 1976 1977
 14. The water will be completely applied to the proposed use on or before July 1, 1977 1978

Succor Creek Water Control District
 (Signature of applicant)

X by Andrew Greiner Jr. Madison

Remarks:

There are existant rights from Succor Creek for some of the lands shown to be irrigated by the stored waters of Texas Basin Reservoir under this application. It is recognized that these prior rights will require determination for a portion of the lands listed in this application to be classified as receiving supplemental irrigation water and that such determination shall be made when rights are perfected under the new permit.

STATE OF OREGON, }
 County of Marion, } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for correction and completion.

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before

July 13, 1976
 August 23, 1976

WITNESS my hand this

13th day of
 21st

May 19, 76
 June, 1976

JAMES ED. SEXSON

Director

STATE ENGINEER

By

Andrew Greiner Jr.

RECEIVED

JUN 14 1976

STATE OF OREGON
 WATER RESOURCES DEPT.
 SALEM, OREGON

PERMIT

40584

STATE OF OREGON, }
County of Marion, } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed **6340.0 acre feet stored water only** measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from **Texas Basin Reservoir** to be constructed under application No. R-53810, permit No. R- 6469

The use to which this water is to be applied is **irrigation and supplemental irrigation**

If for irrigation, this appropriation shall be limited to ~~the amount of water which can be applied to beneficial use~~ a diversion of 4 acre feet for each acre irrigated during the irrigation season of each year; provided further that the right allowed herein shall be limited to any deficiency in the available supply of any prior right existing for the same land and shall not exceed the limitation allowed herein,

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is **December 19, 1976**

Actual construction work shall begin on or before **August 5, 1977** and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19⁷⁸.

Complete application of the water to the proposed use shall be made on or before October 1, 19⁷⁹.

WITNESS my hand this **5th** day of **August**, 19 **76**.


WATER RESOURCES DIRECTOR

Application No. **R-53810**
Permit No. **40584**

PERMIT

TO APPROPRIATE THE PUBLIC
WATERS OF THE STATE
OF OREGON

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the **19** day of **September**, 19 **75**, at **8** o'clock **P.** M.

Returned to applicant:

Approved

Recorded in book No. _____ of _____
Permits on page _____

STATE ENGINEER

Drainage Basin No. _____ page _____

Fees _____

DEC 9 1975

ASSIGNED, See Misc. Sec., Vol. 7 Page 1895

WATER RESOURCES DEPT.
SALEM, OREGON* Reservoir Permit No. **R 6169****Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon***Steve Brown*
(503) 378-3739I, Succor Creek Water Control District
(Name of Applicant)of Rockville Route, Marsing Idaho
(Mailing Address)State of Oregon, do hereby make application for a permit to construct the following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

If the applicant is a corporation, give date and place of incorporation

1. The name of the proposed reservoir is Texas Basin Reservoir2. The name of the stream from which the reservoir is to be filled and the appropriation made is
Succor Creektributary of Snake River3. The amount of water to be stored is 6340 acre feet.4. The use to be made of the impounded water is irrigation
(Irrigation, power, domestic supply, etc.)5. The location of the proposed reservoir will be in Sec. 5, 6, 7 and 8
B.M. (Give sections or townships to be submerged)Tp. 3 S., R. 5 W., W.M., in the county of Owyhee, State of Idaho.
and Sec. 32, T. 2 S., R. 5 W., B.M.

(a) State whether situated in channel of running stream and give character of material at outlet

Situated in channel of Succor Creek. Material at outlet isstream sand, gravel and boulders, some bedrock exposed.

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions

6. The dam will be located in NE1/4, NW1/4, SE1/4, SW1/4 Sec. 7
B.M. (Smallest legal subdivision)Tp. 3 S., R. 5 W., W.M. The maximum height will be 115 feet above stream bed or ground surface on center line of dam. The length on top will be 383 feet; length onbottom 30 feet; width on top 25 feet; slope on frontor water side 2 1/2 to 1; slope on back 1 1/2 to 1 varies; height of dam above water line
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)when full 12 feet.

* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

MIC

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Earthen core, rock faces with spillway around the left end. Spillway excavation in rock.

8. The location of wasteway with dimensions are as follows: Around left end of dam
(State whether over or around the dam)
80 feet wide at control section, 110 feet wide at entrance and 30 feet wide at disch. end.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: Outlet in excavation in dam foundation, constructed
(All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)
of 30-inch reinforced concrete, about 500 feet long.

10. The area submerged by the proposed reservoir, when full, will be 190 acres acres, with a maximum depth of water of 103 feet; and approximate mean depth of water 33.4 feet.

11. The estimated cost of the proposed work is \$ 612,000

12. Construction work will begin on or before July 1, 1976

13. Construction work will be completed on or before ~~July 1, 1977~~ July 1, 1977

Succor Creek Water Control District

(Signature of applicant)

by

Andrew H. Hickey Jr.

STATE OF OREGON, }
 County of Marion, } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for _____

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before _____, 19____.

WITNESS my hand this _____ day of _____, 19____.

MICROFILMED
 NOV 23 1977
 BY

STATE ENGINEER

ASSISTANT

Remarks: Application has been filed with the Department of Water
Administration, State of Idaho, Boise, Idaho.

STATE OF OREGON, }
 County of Marion, } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions: The right herein granted is limited to the construction of Texas Basin Reservoir and storage of water from Succor Creek to be appropriated
under application No. 53811, permit No. 40584 for irrigation, and the dam shall
be constructed under the supervision of a registered professional engineer.

The right hereunder shall be limited to the storage of 6340.0 acre feet.

The priority date of this permit is December 19, 1975

Actual construction work shall begin on or before August 5, 1977 ^{Extended to Oct. 1 1988} and

shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1978.

WITNESS my hand this 5th day of August, 1976.

James E. [Signature]
 WATER RESOURCES DIRECTOR

al
 A

Application No. *8-53810*

Reservoir Permit No. **R 6469**

PERMIT

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

This instrument was first received in the

office of the State Engineer at Salem, Oregon,

on the *19* day of *December*,

19*75*, at *5* o'clock *P*. M.

Returned to applicant:

Approved:

Recorded in Book No. **R 6469** of
Reservoirs, on Page

State Engineer

Drainage Basin No. page

Fees

R 6469

57-071534 P44

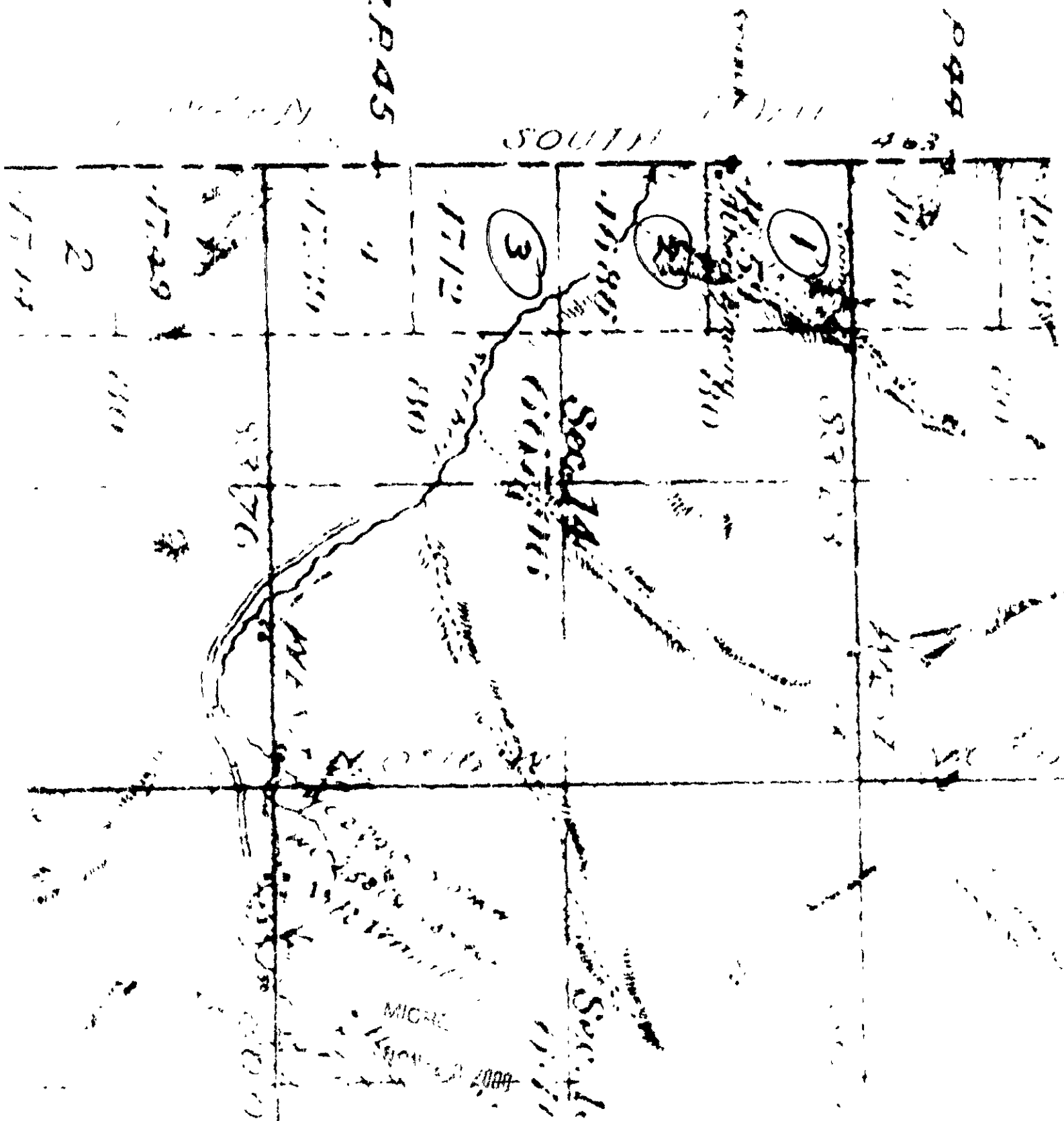
T35

R6W

S.14

Sec. 15

M.P. 05



431-07153
Sugar Creek

[illegible]

9-3-91

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECORD OF INSPECTION OF DAM

Name of dam: TEXAS BASIN DAM Stream: Succor Creek ☐ OffstreamName of owner: Succor Cr. Dist Improvement Location: SEC 7-03S-05WIndividuals accompanying inspector: DUNCAN MCKENZIEReservoir characteristics: Dam height 104 Surface area 190 AC Storage capacity 6340 AC-FtHazard class: HIGH Photographs: yesCONDITION OF EMBANKMENT OR STRUCTURE: ☐ Poor ☐ Fair ☒ Good ☐ ExcellentType: ☒ Earth ☐ Rockfill ☐ Conc. arch ☐ Conc. gravity ☐ Timber crib ☐ Other _____

	UPSTREAM SLOPE	CREST	DOWNSTREAM SLOPE	TOE AREA
Surface cover material	<u>Riprap</u>	<u>Bad Mix</u>	<u>Rock + EARTH</u>	→
Growth	<u>FEW SAGE BRUSH</u>	<u>NONE</u>		→
Settlement or cracks	<u>NONE NOTED</u>			→
Surface erosion	<u>NONE NOTED</u>			→
Debris	<u>NONE NOTED</u>			→
Animal burrows	<u>NONE NOTED</u>			→
Crest width and slope measurements	<u>2.5:1</u>	<u>26 Ft</u>	<u>2:1</u>	

CONDITION OF OUTLET WORKS: ☐ Poor ☐ Fair ☒ Good ☐ ExcellentLocation: ☐ Left side ☐ Center ☒ Right side ☐ Other _____Description and condition: 30" CONCRETE PIPE THRU DAMGate hoist: ☒ Manual ☐ Electric ☒ Other GAS ENGINEStem: ☐ Inclined from entrance to crest ☐ Vertical on tower at entrance☐ Vertical through dam from crest ☐ Downstream valveEntrance: SUBMERGED Outlet: OKAY - OPENCONDITION OF SPILLWAY: ☐ Poor ☐ Fair ☒ Good ☐ ExcellentLocation: ☒ Left abutment ☐ Right abutment ☐ Away from dam ☐ Other _____Base width ±80 Freeboard at crest ±12 Ft Sideslope Steep Channel slope Steep Fetch ±1 MI.Overflow channel: ☒ Well defined ☒ Flow directed away from toe ☐ Flow could reach toeErosion control present: ROCK CHANNEL w/ CONCRETE crest Erosion present: SOME along right channel BANK & FLOORMaintenance condition: Debris NONE Growth NONE

SEEPAGE:

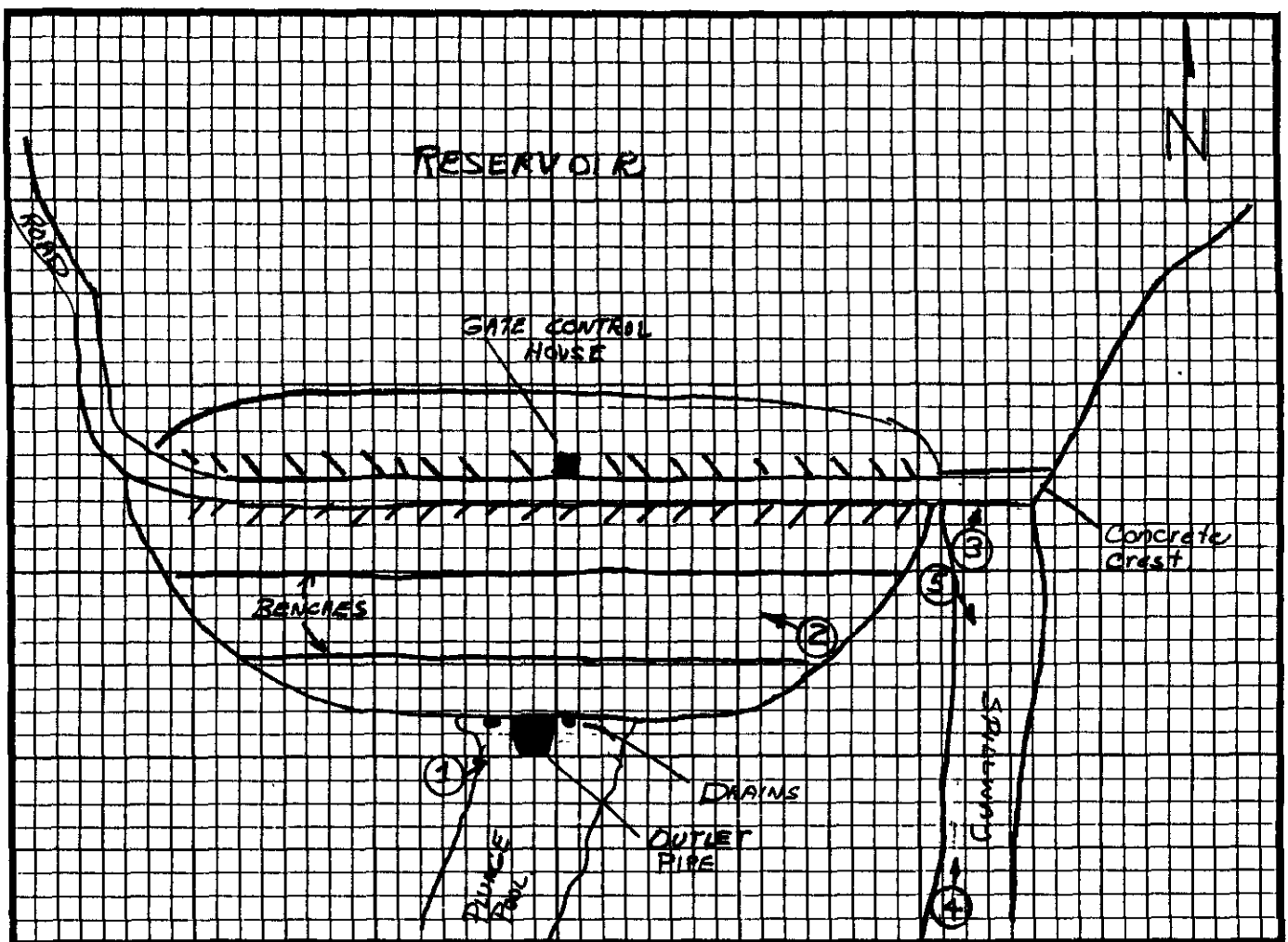
Reservoir level during inspection: FULL, Reservoir appeared to peak 1 1/2 Ft ABOVE SI

	TOE AREA	DOWNSTREAM SLOPE	ABUTMENTS	OTHER
Piping of material evident (Est. G.P.M.)	<u>NONE</u>			→
Flowing water (Est. G.P.M.)	<u>DISCHARGE FLOW WATER AROUND DRAINS</u>	<u>NONE</u>		→
Marshy or standing water	<u>NONE</u>			→
Damp	<u>YES</u>	<u>NONE</u>		→
Evident from growth present	<u>GREEN WEEDS</u>	<u>NONE</u>		→

GENERAL CONDITION AND DESCRIPTION OF DAM: Good, Dam is well maintained
Reservoir has spilled over spillway earlier. Some erosion along right
side of spillway channel along lower steep slope. Mr. McKensie
indicated they would closely monitor the spillway channel.
No other problems noted.

INSTRUMENTATION READINGS (Piezometer, Seepage measurement, Alignment, Elevation, etc.)
none taken.

SKETCH OF DAM SHOWING LOCATION OF SPILLWAY AND OUTLET WORKS AND ANY MAINTENANCE PROBLEMS:



RECOMMENDATIONS: ISSUE STORAGE CERTIFICATE FOR A 2 year period.
Maintenance: 1. Monitor spillway channel for further erosion, repair
as necessary
2. WATCH SEEPAGE FROM DRAIN OUTLET PIPES.
Keep outlet drains open.

Date: June 12, 1989

Inspected by: John Westra

INDIANIA DEPARTMENT OF WATER RESOURCES INVENTORY WORKSHEET - DAM

FORM NO. 1

Identification No. D 57 - 7153

Name of Dam TEXAS BASIN

County OWYHEE

River or Stream SUCCOR CREEK

Purpose I (Specify if other)

Location Sec 07 Township 03S Range 05W SE 1/4 NE 1/4 - MAP 25 - WYOMING COMB PEAK

FORM NO. 2

Name of Owner SUCCOR CK. DIST. IMPROVEMENT CO.

Owner's Phone No. 339 - 3026 AREA CODE 503 (Alternate phone no.)

Address Line 1 C/O MARY ELLEN ALLISON, SEC

FORM NO. 3

Address Line 2 ROCKVILLE ROUTE

City JORDAN VALLEY State OR Zip Code 97910

Address Line 3

FORM NO. 4

Type of Dam EARTH (Other dam types)

Storage Capacity (ac-ft) 6,340

Height of Dam (ft) 104.0

Drain. Area (sq. mi.) 51.6

Res. Surface Area (ac) 190

Year Completed 1979 (Date enlarged, reconstructed, etc.)

Crest Elev. (M.S.L.) 4,610

Crest Length (ft) 380 (Dike lengths)

Spillway Type RKCHAN W/ CONCRETE CREST (Auxiliary spillways)

Spillway Depth (ft) 12.0 (Aux. spillway depths)

Spillway Capacity (cfs) 5,600 W/ 4 FT FREEBOARD
MEETS THE PMF REQUIREMENTS.

Hazard Classification 1

Region 2

FORM NO. 5

Last Inspection Month 6 Year 89

Approval Expiration Month 11 Year 91

General Condition GD

Q 100 (cfs) 5,600

Outlet Type RNF CNP 30 IN DIA. PIPE

Outlet Capacity (cfs) 164

Problems/Remarks 1 ROBERT DAVIS IS PRESIDENT ADDRESS: Box 756 HOMEDALE, IN
PHONE: 503-339-3608 83626

M E M O R A N D U M

TO: File A57-07153

FROM: Don Shaff

RE: Telephone Conversation, Tim Fuller

DATE: 2/01/1989

Tim Fuller, an employee with the Vale District BLM, called today to discuss the land use activities of Bob Davis, a water user along Succor Creek. Mr. Davis apparently approached BLM recently about correcting the trespass he has made on BLM administered ground to irrigate pasture. Mr. Fuller informed me Mr. Davis is in the process of acquiring Permit No. OR4372 to have the authority to use this ground for this purpose. Mr. Davis is apparently irrigating approximately 20 acres of BLM ground with water diverted from Succor Creek either directly in Oregon or as a result of the Texas Basin Reservoir in Idaho that releases water into Succor Creek for use downstream for the Oregon users.

As the examination proceeds, both for the license and for the adjudication, Mr. Davis may be contacted to show this additional place of use of Succor Creek water. At that time he should be able to provide a copy of the permit to document his authority to use the BLM ground.

Copies placed: ✓ Water Rights File 57-07153
Adjudication File A57-07153

MICROFILMED

NOV 26 1989

4/86

RECEIVED
MAY 5 1987

Department of Water Resources
Western Regional Office

RECEIVED
MAY 26 1987

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EXAMINATION FEE INFORMATION

KEYPUNCHED

For Office Use Only
Fee Received 400
Date 5-7-87
Receipt # 44813
Receipt by AA
Sent to S.O. 5-22-87

1. Permit No. 57-7153

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

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

2. Permit Holder: Succor Creek District Improvement Company

3. Post Office Address: Rockville Route, Jordan Valley, OR 97910

Telephone No. 503-339-3026

4. Source of Water: Succor Creek

5. Extent of Use:

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

Irrigation approximately 2,750 (acres) Other/Remark _____

6. Total rate &/or volume for which proof is submitted _____ cfs 6,340 acre-feet

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

N/A

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

Robert Davis, President, Succor Creek Dist. Improvement Co.
(Name)

P. O. Box 756, Homedale, ID 83628

(Address)

339-3608

(Telephone Number)

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

4/27/87
Date

Robert D Davis NOV 20 2000
Signature of Permit Holder (and title, if appropriate) (Pres)

State of Idaho

Department of Water Resources

LICENSE EXAMINATION FEE SCHEDULE

(c.f.s. = cubic feet per second
AF = acre feet)

cfs	AF	Fee
0 - 0.04	0 - 4	\$ 0
.05 - 0.20	5 - 20	50.00
.21 - 1.0	21 - 100	100.00
1.01 - 2.0	101 - 200	125.00
2.01 - 3.0	201 - 300	150.00
3.01 - 4.0	301 - 400	175.00
4.01 - 5.0	401 - 500	200.00
5.01 - 6.0	501 - 600	225.00
6.01 - 7.0	601 - 700	250.00
7.01 - 8.0	701 - 800	275.00
8.01 - 9.0	801 - 900	300.00
9.01 - 10.0	901 - 1000	325.00
10.01 - 11.0	1001 - 1100	350.00
11.01 - 12.0	1101 - 1200	375.00
12.01 - 13.0	1201 - 1300	400.00
13.01 - 14.0	1301 - 1400	425.00
14.01 - 15.0	1401 - 1500	450.00
15.01 - 16.0	1501 - 1600	475.00
16.01 - 17.0	1601 - 1700	500.00
17.01 - 18.0	1701 - 1800	525.00
18.01 - 19.0	1801 - 1900	550.00
19.01 - 20.0	1901 - 2000	575.00
20.01 & over	2001 & over	600.00

Checks should be made payable to the
Department of Water Resources

No fee is required for single family
domestic use or stockwater use.



Cecil D. Andrus
Governor

State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region

2735 Airport Way
Boise, Idaho 83705
(208) 334-2190

57-7153
SUCCOR CREEK WATER CONTROL DIST.
ROCKVILLE RT.
JORDAN VALLEY, OR 97910

138088

April 3, 1987

CERTIFIED MAIL

EXAMINATION FEE NOTICE

Dear Permit Holder:

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

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

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

MICROFILMED

NOV 20 2000

YTURRI, ROSE, BURNHAM, EBERT & BENTZ

ATTORNEYS AT LAW

ANTHONY YTURRI
GENE C ROSE
CARL BURNHAM, JR
GARY J EBERT
CLIFF S BENTZ*
TIM J HELFRICH*
TED W BAIRD
CYNTHIA M FRASER

89 S W THIRD AVENUE
P O BOX "S"
ONTARIO OREGON 97914

(503) 889 5368

TELECOPIER
(503) 889 2432

IDAHO OFFICE
P O BOX "A"
FRUITLAND IDAHO 83619
(208) 452 3209

BAKER OFFICE
1904 RESORT STREET

RECEIVED

DEC 05 1988

December 2, 1988

Ms. Jo Beeman, Esq.
Idaho Water Resources Dept.
Adjudication Bureau
Statehouse Mail
Boise, ID 83720

Department of Water Resources

Re: Succor Creek District
Improvement Company
Our File No. 8559

Dear Jo:

Just a quick note to confirm that I will be meeting with you and another member of the Idaho Water Resources Department Staff on Thursday, December 8, 1988, at 9:30 a.m. to discuss water rights filings for Succor Creek District Improvement Company.

I look forward to meeting with you.

Best regards,

YTURRI, ROSE, BURNHAM, EBERT & BENTZ

Dictated by Mr. Ebert and
mailed without signature in his
absence to GJE/jls
Gary J. Ebert

GJE/jls

cc: Members of Succor Creek
Improvement District

MICROFILMED

NOV 20 2000

Y. T. ROSE, BURNHAM, EBERT & BENTZ

ANTHONY YTURRI
GENE C. ROSE
CARL BURNHAM, JR.
GARY J. EBERT
CLIFF S. BENTZ*
TIM J. HELFRICH*
TED W. BAIRD
CYNTHIA M. FRASER

*Also Admitted in IDAHO

ATTORNEYS AT LAW

89 S.W. THIRD AVENUE
P O Box "S"
ONTARIO, OREGON 97914
(503) 889-5368
TELECOPIER
(503) 889-2432

IDAHO OFFICE
P.O. Box "A"
FRUITLAND, IDAHO 83619
(208) 452-3209

BAKER OFFICE
1904 RESORT STREET
BAKER, OREGON 97814
(503) 523-6471

November 28, 1988

RECEIVED
NOV 29 1988

Mr. R. Keith Higginson, Director
Idaho Department of Water Resources
Adjudication Bureau
Statehouse Mail
Boise, ID 83720

Department of Water Resources

Re: Adjudication of Rights to the Use of
Water from the Snake River Water System
Our File No. 8559

Mr. Higginson:

Our office represents Succor Creek District Improvement Company, an Oregon corporation incorporated for the purposes of irrigating property in Malheur County, Oregon, pursuant to ORS Chapter 554. Succor Creek District Improvement Company is the owner of the Texas Basin Dam located in the State of Idaho for which the State of Idaho Department of Water Resources has issued a Dam and Reservoir Certificate of Approval.

Beneficial use and application of the waters stored in the Texas Basin Dam is made in the State of Oregon. As a result, filings have been made for Water Right Certificates with the State of Oregon Department of Water Resources.

Given the fact that water is impounded in the State of Idaho, but used primarily in the State of Oregon, I am uncertain whether a filing will be necessary for the adjudication process. I would appreciate it if you would have a member of your staff give me call so that we can arrange a meeting at your offices to discuss this matter further.

Thank you in advance for your cooperation and help.

Very truly yours,

YTURRI, ROSE, BURNHAM, EBERT & BENTZ

MICROFILMED

NOV 20 2000

Gary J. Ebert

GJE/jls

cc: Members of Succor Creek Improvement District

Aaron Casper wants to amend permit because is being assessed for land in Idaho - Aaron is coming in Fri. Dec. 2. Says 2 others are in same position. to talk with Don Shaff

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region

Statehouse
Boise, Idaho 83720
(208) 334-2190

APRIL 25, 1984

SUCCOR CREEK WATER CONTROL DIST.
ROCKVILLE RT.
JORDAN VALLEY OR 97910

RE: Permit No. 57-7153

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit.

Before a license can be issued, a field examination must be made by a representative of this department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 334-2190 or in person in the third floor State Towers Building, 450 West State Street, Boise.

Sincerely,
s/Judy Pense
Secretary

MICROFILMED
NOV 20 2000

February 24, 1984

Succor Creek Water Control District
Rockville Route
Jordan Valley, OR 97910

Gentlemen:

Re: Permit No. 57-7153

This office acknowledges receipt of the statement of beneficial use postcard submitted for this permit received on September 23, 1983.

Before a 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 contact you to schedule the exam at a convenient time.

If you have any questions regarding the field examination, please contact our Western Regional office at 334-2190.

Sincerely,

RITA I. FLECK
Secretary/Records Manager

cc: Western Region

MICHO 1000

2 2 10 1984

DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources will consider this card a statement that the permit holder(s) has completed development to the extent shown below. Permit No. 57-7153

Name(s) of Permit Holder: Sussex Creek Water Control Dist

Post Office Address: Boadville Bldg

Jordan Valley, Ore. 97910 Tel. No. 339-3558

Source of Water: Sussex Creek

Extent of Use: ☐ Domestic (number of households)

☐ Stockwater (number and type of stock)

☒ Irrigation 2539.2 (acres)

☒ Other flood control

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

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

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

Sept. 21, 1983
Date

Pres. Andrew Cunningham
Signature of Permit Holder

Jason A. [unclear] Central Dist
Rockville
Jordan Valley, Ore. 97910

BOISE, ID
SEP 22 1983

USA 20c

MICROFILMED

RECEIVED



SEP 22 1983

IDAHO DEPARTMENT OF WATER RESOURCES

STATEHOUSE

BOISE, IDAHO 83720

File
November 16, 1979

Succor Creek Water Control District
Rockville Route
Marsing, ID 83639

Re: Permit No. 57-7153

Gentlemen:

We are in receipt of your letter dated November 2, 1979 in which you request a waiver of the measuring device requirement for Permit No. 57-7153.

We have carefully reviewed the circumstances of water use in the Succor Creek drainage, and have found three recorded irrigation water rights downstream of the Texas Basin Reservoir on Succor Creek in Idaho (Nos. 57-4002, 57-4014, and 57-2232). The period of use for these rights is defined to be from April 1 to November 1, This period of use overlaps with the period of November 1 to June 1 identified on your Permit No. 57-7153. Therefore, for purposes of equitable delivery of the water supply during the period of April 1 to June 1, and for proper credit of the storage water during the irrigation season, we consider the measuring devices at the inlet and outlet of the Texas Basin Reservoir to be necessary.

If you have any further questions on this matter please contact this office.

Sincerely,

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

DRT:pb

c.c. James D. Hanley
Western Region

S T A T E O F I D A H O
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL

RECEIVED
SUCCOR CREEK WATER CONTROL DIST.
ROCKVILLE RT.
MARSING, ID 83639

138998

PROOF DUE NOTICE

AUGUST 31, 1983

DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF YOUR WATER PERMIT NO. 57-7153 WAS THAT PROOF OF THE EXTENT OF YOUR BENEFICIAL USE MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE NOVEMBER 01, 1983. (SEE LAST PAGE OF YOUR APPROVED PERMIT OR YOUR LAST APPROVED EXTENSION REQUEST). ENCLOSED IS A POSTCARD WHICH 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, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED. AN EXTENSION OF TIME REQUEST FORM IS ENCLOSED FOR YOUR CONVENIENCE.

EITHER THE BENEFICIAL USE POSTCARD OR A 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

November 2, 1979

Director
Dept. of Water Resources
State of Idaho
92 S. Cole Road
Boise, ID 83705

ATTN: Lee Sisco

RE: Texas Basin Dam

Dear Mr. Sisco:

This is a request for waiver of the requirement for installation of flow measuring devices above and below the Texas Basin Reservoir on Succor Creek, your file No. D57-7153.

We believe no downstream water users have outstanding permits that would be affected or would require light flow during periods when the dam discharge gate would normally be closed.

A prompt response to the District's request will be greatly appreciated.

Very truly yours,

SUCCOR CREEK DISTRICT IMPROVEMENT COMPANY

By Andrew Grady Jr.

ts

RECEIVED

NOV 5 1979

Department of Water Resources
Western Regional Office



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 373 W. Franklin Street, Boise, Idaho

JOHN V. EVANS
Governor

C. STEPHEN ALLRED
Director

Mailing address.
Statehouse
Boise, Idaho 83720
(208) 384-2215

November 16, 1979

Succor Creek Water Control District
Rockville Route
Marsing, ID 83639

Re: Permit No. 57-7153

Gentlemen:

We are in receipt of your letter dated November 2, 1979 in which you request a waiver of the measuring device requirement for Permit No. 57-7153.

We have carefully reviewed the circumstances of water use in the Succor Creek drainage, and have found three recorded irrigation water rights downstream of the Texas Basin Reservoir on Succor Creek in Idaho (Nos. 57-4002, 57-4014, and 57-2232). The period of use for these rights is defined to be from April 1 to November 1. This period of use overlaps with the period of November 1 to June 1 identified on your Permit No. 57-7153. Therefore, for purposes of equitable delivery of the water supply during the period of April 1 to June 1, and for proper credit of the storage water during the irrigation season, we consider the measuring devices at the inlet and outlet of the Texas Basin Reservoir to be necessary.

If you have any further questions on this matter please contact this office.

Sincerely,

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

DRT:pb

c.c. James D. Hanley
Western Region

November 6, 1978

Succor Creek Water Control District
Rockville Route
Marsing, ID 83639

Gentlemen:

Re: Permit No. 57-7153

Inclosed is a copy of the Order extending the proof due date in connection with the above referenced permit to November 1, 1983.

Sincerely,

JAN GROVER
Water Rights Supervisor

JG:rf

Enc: 1

cc: James D. Hanley

RECEIVED

HANLEY ENGINEERING

POST OFFICE BOX 701 BAKER, OREGON 97814 (503) 523-3803

RECEIVED

NOV 1 1978

Department of Water Resources

Engineers and Surveyors

JAMES D. HANLEY P. E. P. L. S.

Consulting Engineer
Mineral Surveyor

WILLIAM L. HANLEY P. L. S.

THOMAS J. HANLEY P. E.

October 31, 1978

*ok to
extend
5 yrs
JG*

State of Idaho
Department of Water Resources
State Office
373 W. Franklin Street
Boise, Idaho 83720

Attention Rita Fleck

Dear Ms. Fleck:

This concerns Texas Basin Dam, being constructed under Permit No. 57-7153.

A request was made by your office for a Proof of Beneficial Use for this project, and forms were received by the District.

There has been no beneficial use of water, and it appears the earliest date will be 1980.

Construction on the dam was commenced in June of this year. About \$350,000 has been expended to date. The dam is about 45% completed, but construction will be stopped when minimum temperatures result in frozen embankments, and then cannot be completed until spring run-off allows return to construction status.

This is a request for an extension of time in the amount of five years to apply the stored waters of Texas Basin Dam to the lands under the permit. The lands to be irrigated are all in Oregon.

Yours truly,

James D. Hanley
James D. Hanley
Engineer for Texas Basin Dam,
Succor Creek Water Control District



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

JOHN V. EVANS
Governor

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

C. STEPHEN ALLRED
Director

CERTIFIED MAIL

August 31, 1978
Re: Permit No.

57-7153

100131

Succor Creek Water Control District
Rockville Route
Marsing, ID 83639

Gentlemen:

One of the conditions of approval of your water Permit No. 57-7153 (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 November 1, 1978. 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.

RITA FLECK
Water Rights

Encl: Proof affidavit

100131



United States Department of the Interior

IN REPLY REFER TO

I-10134 (943)

BUREAU OF LAND MANAGEMENT
Idaho State Office
Room 398, Federal Building
550 W. Fort Street
P. O. Box 042
Boise, Idaho 83724

DEC 13 1976

Mr. L. Glen Saxton, P.E.
Western Regional Supervisor
Idaho Department of Water Resources
92 South Cole Road
Boise, Idaho 83705

Dear Mr. Saxton:

This refers to application for permit No. 57-7153 of the Succor Creek Water Control District.

The water control district has filed a right-of-way application with this office for the construction of a dam and storage of water. Their application for a right-of-way has been recommended for approval.

If their water permit application has met all of the requirements of your office for issuance, we have no objection to the approval of permit 57-7153.

Sincerely yours,

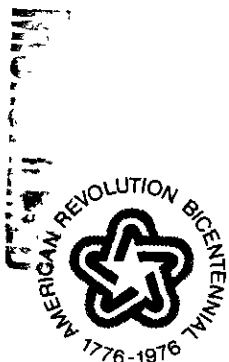
Vincent S. Strobel

Vincent S. Strobel, Chief
Branch of L&M Operations

RECEIVED

DEC 15 1976

Department of Water Resources
Western Regional Office



October 12, 1976

Re: Permit No. 57-7153

Succor Creek Water Control District
Rockville Route
Marsing, ID 83639

Gentlemen:

Enclosed is a copy of your approved Application for Permit No. 57-7153. We direct your attention to the conditions of approval as listed on the fourth page.

Please be advised that the Idaho Supreme Court has ruled that a water right initiated and/or put to beneficial use by aid of trespass on private property is invalid.

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

Sincerely,

BOBBY D. FLEENOR
Chief, Water Rights

BDF:mef

Enc.

MEMORANDUM

TO: File 57-7153

DATE: September 30, 1976

FROM: L. Glen Saxton 

From a conversation today with Mr. James Hanley, the engineer on this project, I have determined that Application for Permit No. 57-7153 was not made to irrigate any federal lands; the land to be irrigated is all privately owned land.

The comment on the application in item 9(a) is intended to show that some federally owned land would be inundated by the reservoir pool.

October 4, 1976

Re: Application for Permit No. 57-7153
Succor Creek Water Control District

Succor Creek Water Control District
c/o Mrs. Franklin Mader
Rockville Route
Marsing, ID 83638

Dear Mrs. Mader:

Please be advised that your application for permit has been processed. However, since your application is filed in connection with a desert land entry with the Bureau of Land Management, the Department of Water Resources will take no further action until such time as we receive evidence in writing that this land has been classified as suitable for desert entry.

Please contact us if we may be of further assistance.

Sincerely,

L. GLEN SEXTON, P.E.
Western Regional Supervisor

LGK:rf

cc: Bureau of Land Management



WATER RESOURCES DEPARTMENT

RECEIVED
SEP 20 1976

Department of Water Resources
Des Moines Regional Office

1178 CHEMEKETA STREET N.E. • SALEM, OREGON • 97310 • Phone 378-3739

503-

ROBERT W. STRAUB
GOVERNOR

September 28, 1976

L. Glen Saxton, P. E.
State of Idaho
Department of Water Resources
92 South Cole Road
Boise, Idaho 83705

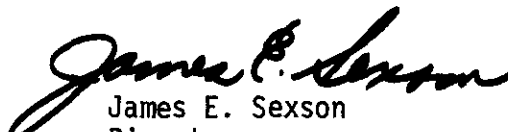
Dear Sir:

I have reviewed the Succor Creek Water Control District files and find that Reservoir Permit No. R-6469 was issued on August 5, 1976 approving the construction of Texas Basin Dam. Plans and specifications were submitted by James Hanley, P. E. and approved by the Dam Safety Division of this department after a site inspection.

Permit No. 40584 was issued approving the irrigation of 2,553.7 acres. Frank Elfering, Watermaster District 9 in Vale, Oregon informs me that some of the land is presently irrigated and that the stored water will be a supplemental supply for hay and pasture.

I assure you that the water will be used beneficially. Copies of the two permits may be obtained should you require them for your records.

Sincerely,


James E. Sexson
Director

JES:cjw



September 28, 1976

Re: Application for Permit No. 57-7153 -- Succor Creek Water Control
District

LaVonn Mader
Rockville Route
Marsing, ID 83639

Dear Ms. Mader:

Please find enclosed a copy of the letter I sent to Chris L. Wheeler,
Oregon State Engineer. Please be advised that no further action on
your permit can be taken until some response to this September 8,
1976 letter has been received.

If you have further questions concerning this matter, please contact
this office.

Sincerely,

L. GLEN SAXTON, P.E.
Western Regional Supervisor

LGS:rf

Enc.

September 8, 1976

Re: Application for Permit No. 57-7153 (Succor Creek Water Control District)

Chris L. Wheeler
Oregon State Engineer
Water Resources Department
1178 Chemeketa Street N.E.
Salem, OR 97310

Dear Mr. Wheeler:

This office has received the above referenced application which proposes to appropriate water in Idaho for use in Oregon. (Please see the enclosed copy).

Before this Department can take any action on the application, it is necessary that the requirements of Section 42-401, Idaho Code are complied with. (Copy also enclosed).

Essentially, this office needs a specific statement from your office, that the irrigation project is feasible and that the water will be used for beneficial purposes.

In view of the fact that the application was filed in connection with a Desert Entry, it may be difficult to make a statement that the project is feasible and that the water can be beneficially used.

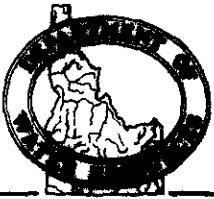
In any event, I would appreciate receiving a response from your office as soon as you have assessed the situation.

Sincerely,

L. GLEN SAXTON, P.E.
Western Regional Supervisor

LGS:rf

Enc.



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Cecil D. Andrus
Governor

R. Keith Higginson
Director

Statehouse
Boise, Idaho 83720
(208) 384-2215

MEMORANDUM

RECEIVED
SEP 8 1976

Department of Water Resources
Western Regional Office

TO: GLEN

FROM: BOB F. *Bob*

RE: PERMIT NO. 57-7153

DATE: SEPTEMBER 2, 1976

This application shows the land to be irrigated is in the State of Oregon and we need a specific statement from the State Engineer, that the irrigation project is feasible and that the water will be used for beneficial purposes. The August 31, 1976, letter is not specific and refers mainly to the construction of the dam.

We should request by letter a specific statement from the Oregon State Engineers Office, and also send him a copy of the application.

There is another complicating factor as the land to be irrigated is presently administered by BLM as Desert Land Entry and before we can issue the permit it will need to be clarified as suitable for entry.

If you have any questions, please call me.

INTER-DEPARTMENT MEMO — 1

FROM Glen Saxton

DATE August 31, 1976

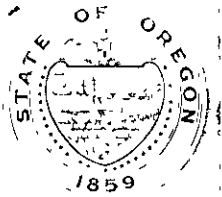
TO Bob Fleenor

SUBJECT 57-7153

The enclosed letter from the Oregon Water Resources Department infers that the water can be used beneficially and should satisfy the requirements of Section 42-401, Idaho Code.

No/

SIGNATURE



WATER RESOURCES DEPARTMENT

1178 CHEMEKETA STREET N.E. • SALEM, OREGON • 97310 • Phone 378-3739

ROBERT W. STRAUB
GOVERNOR

R-53310
53811

Mr. James Hanley
2043 Main Street
P. O. Box 701
Baker, Oregon 97814

Dear Mr. Hanley:

This is to advise you that the plans and specifications for the Texas Basin Dam site have been approved and Water Resources Department permits issued. Since this project is over the statutory limits, it will be necessary that the construction be supervised by a registered professional engineer and since you were the design engineer, we will assume that you will be the engineer responsible to supervise the construction. If this assumption is erroneous, please advise immediately.

Your attention is called to the specifications, the section entitled "Construction Specifications," page 1 of 35. This section provides that prior written approval must be obtained before making any changes in the plans and specifications. Furthermore, the specifications stipulate that prior to starting construction, the contractor and the engineer will develop a construction schedule. Please provide this office with a copy of that schedule.

Engineers from this office will be inspecting this project during all stages of construction; we will particularly want to see the foundation for the conduit prior to its pouring, as well as the foundation preparation for the dam prior to grouting. As previously discussed, it is our intent to review your criteria for slush grouting when the foundation is fully exposed and washed. At present, we are providing for at least weekly inspections of this project while under construction.

As I have previously indicated, deviations from these approved plans and specifications are not to be made without our approval. This includes all changes, and particularly any changes made necessary by the discovery

C O P Y

Page 2
James Hanley

of any unforeseen conditions as to foundation materials and/or its continuity. We are available on short notice to work with you to seek a solution to these changed conditions and are authorized to give approval in the field with little or no loss of construction time.

Please advise when bids are awarded, and construction is to be started.

Very truly yours,

A. M. Petska
Engineer

AMP:cjw

cc: Succor Creek Water Control District
Rockville Route
Marsing, Idaho 83639

State of Idaho
Dept. of Water Resources
Statehouse
Boise, Idaho 83720
Attn: A. Kenneth Dunn

Frank Elfering
Watermaster District 9

August 19, 1976

Re: Application for Permit No. 57-7153

Succor Creek Water Control District
Rockville Route
Marsing, ID 83639

Gentlemen:

Reference is made to the above referenced application for permit and to our letter of April 13, 1976 in which you were advised that your application would not be approved until you submitted evidence from the Oregon State Engineer's office that the proposed appropriation would be beneficial and your project is feasible.

Please submit this information as required in Section 42-401, Idaho Code, within 30 days or the above referenced application will be voided pursuant to Section 42-204, Idaho Code.

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

Sincerely,

L. GLEN SAXTON, P.E.
Western Regional Supervisor

LGS:rb

bc: State Office

April 13, 1976

Re: Application for Permit No. 57-7153

Succor Creek Water Control District
Pockville Route
Marsing, ID 83639

Gentlemen:

We are holding your permit application pending receipt of a letter from the Oregon State Engineer's office advising us that your project has been approved by them.

If we can be of assistance, in contacting them, please advise me.

Sincerely,

ROBERT A. HAMILTON
Supervisor of Water Distribution

RPH:rb



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

WESTERN DISTRICT — ANNEX 3

Cecil D. Andrus
Governor

R. Keith Higginson
Director

Statehouse
Boise, Idaho 83720
(208) 384-2190

November 28, 1975

Succor Creek Water Control District
Rockville Rt.
Marsing, ID 83639

RE: Application for Permit No. 57-7153

Gentlemen:

Since my last letter requesting the proper filing fee, I find the Idaho Law requires that we receive from the State of Oregon, notification that the intended use of water is to be put to beneficial use and that the project is feasible. Please supply us with this information as soon as possible.

Your application for permit is being processed and the first publication in the newspaper should appear next week.

Sincerely,

ROBERT W. HAMILTON
Supervisor of Distribution

RWH:cls



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Cecil D. Andrus
Governor

Statehouse
Boise, Idaho 83720
(208) 384-2190

R. Keith Higginson
Director

December 22, 1975

Vincent S. Strobel
Branch of L & M Operations
Bureau of Land Management
Room 398, Federal Building
550 West Fort St.
Boise, ID 83724

RE: Application for Permit No. 57-7153 - Succor Creek Water Control District

Dear Mr. Strobel:

We are enclosing a copy of the above referenced application for permit which may be of interest to your agency. Please review the application and if you have any comments, please submit them to our office as soon as possible.

We normally complete the processing of an application within a six week period and we are required to take final action shortly thereafter.

If we may be of any assistance to you in the meantime, please do not hesitate to contact this department.

Sincerely,

Cathy L. Shaw

CATHY L. SHAW
Senior Clerk

CES:cs

Enclosure



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WESTERN DISTRICT — ANNEX 3

Cecil D. Andrus
Governor

R. Keith Higginson
Director

Statehouse
Boise, Idaho 83720
(208) 384-2190

November 28, 1985

Owyhee Nugget
Marsing, ID 83639

RE: Notice of Amended Application for Permit No. 02-7161 - Oasis Irrigation Assoc.
Application for Permit No. 02-7209 - Oasis Irrigation Association
57-7153 - Succor Creek Water Control District

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. 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. In order to receive payment, the following certification must appear in 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 the same has been paid."

(Signature of Claimant)

Sincerely,

*Bill submitted
12-16-15
CIS*

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that SUCCOR CREEK WATER CONTROL DISTRICT
Rockville Rt., Marsing, ID
has on Nov. 17, 1975 submitted Application No. 57-7153
for a permit to appropriate ~~cubic feet per second~~ 6340 acre feet
per annum of water from Succor Creek, trib. to Snake River
by means of an earth fill dam
within the NE 1/4 Sec. 7, T. 3 S, R. 5 W, B.M. Owyhee County

to be used from May 1 to Oct. 1
for irrigation of 2,258 acres

within the Sec. 33, T. 23 S, R. 46 E, W.M., Sec. 4, T. 24 S, R. 46 E; Sections
17, 20, 28, 29, 32, 33, 34, T. 25 S, R. 46 E; Sections 2, 3, 4, 5, 8, 9, 10, 11,
14, 15, 17, 22, 26, 27, 35, T. 26 S, R. 46 E; Sections 11, 12, 13, 14, 24, 25, 36,
T. 27 S, R. 46 E, W.M., all located in the State of Oregon.

If issued, this permit will be subject to all prior water rights. Pro-
tests against the granting of the permit must be filed with the Idaho Depart-
ment of Water Resources, Statehouse, Boise, Idaho, 83720, on or before
Dec. 22, 1975.

R. KEITH HIGGINSON

Director

Published in the Owyhee Nugget, Marsing, ID
on Dec. 4, 1975 and Dec. 11, 1975.



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
WESTERN DISTRICT

STATE HOUSE BOISE, IDAHO 83720

November 24, 1975

Succor Creek Water Control Dist.
% Mrs. Franklin Mader
Rockville Rt.
Marsing, ID 83639

Dear Mrs. Mader:

Enclosed is your Receipt No. 1379 in the amount of \$1,102.00
for Application for Permit No. 57-7153 which was received in this
office on Nov. 17, 1975.

Sincerely,

CATHY L. SHAW
Senior Clerk

CLS:cs

Enclosure



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WESTERN DISTRICT — ANNEX 3

Cecil D. Andrus
Governor

R. Keith Higginson
Director

Statehouse
Borise, Idaho 83720
(208) 384-2190

November 20, 1975

Succor Creek Water Control Dist.
% Mrs. Franklin Mader
Rockville Rt.
Marsing, ID 83639

RE: Application for Permit

Dear Mrs. Mader:

We are returning the application for permit to appropriate public waters and check No. 92-300 in the amount of \$1,195.00 filed in the name of Succor Creek Water Control District, as the filing fee is incorrect.

The fee for the permit will be \$435.00 and the dam inspection fee will be \$767.00, making a total of \$1,102.00. We prefer to have a new check in the correct amount rather than make a refund of \$97.00. We have based the water filing fee on the acre feet of storage water rather than the 250 c.f.s. diversion rate. We must charge the fee on which ever amount of water has the largest fee. If we charged on the 250 c.f.s. the fee would be \$765.00. Since the storage of water will be on Succor Creek a diversion rate of 250 c.f.s. will not be necessary, unless it is desired. Please make the necessary corrections.

We are holding the maps and plans and upon receipt of the application and a new check in the amount of \$1,102.00 we will begin processing the application.

Sincerely,

Robert W. Hamilton
ROBERT W. HAMILTON
Supervisor of Water Distribution

Enclosure

RWH:cls