

JOHN CARPENTER ADDITION

But old City Limits

14th STREET

MICROFILMED

CITY OF LEWISTON

BRASS CAP MONUMENT

20' ROAD -
DEDICATION -
NEZ PERCE COUNTY

RICHARDSON AVENUE

CITY LIMITS

1,89°34'00"E 605.06'

1920.00' MEAS.
IN 1920.00' 1920.00'

ORIGINAL SOUTHLINE OF RICHARDSON AVENUE

DEDICATED PUBLIC RIGHT OF WAY

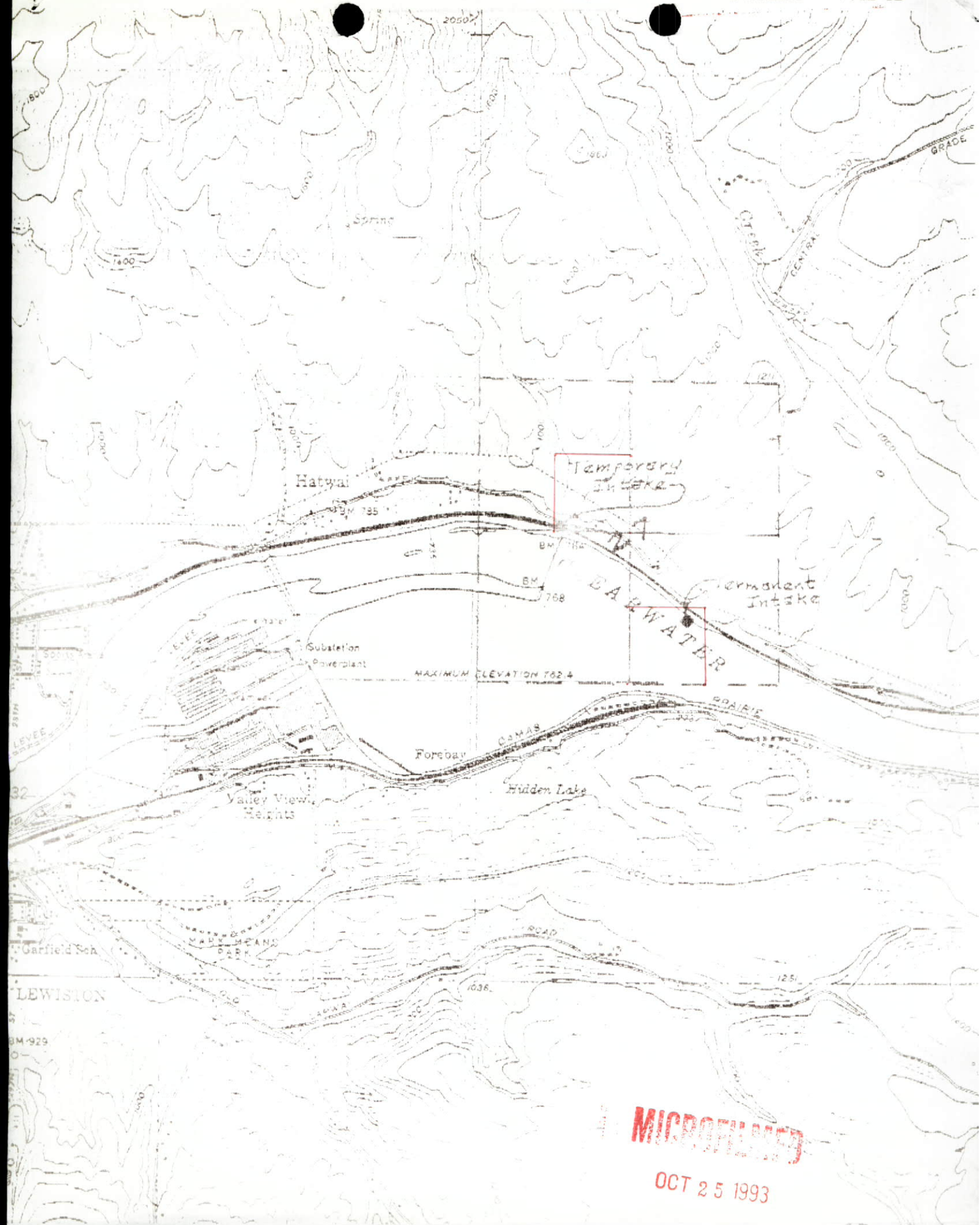


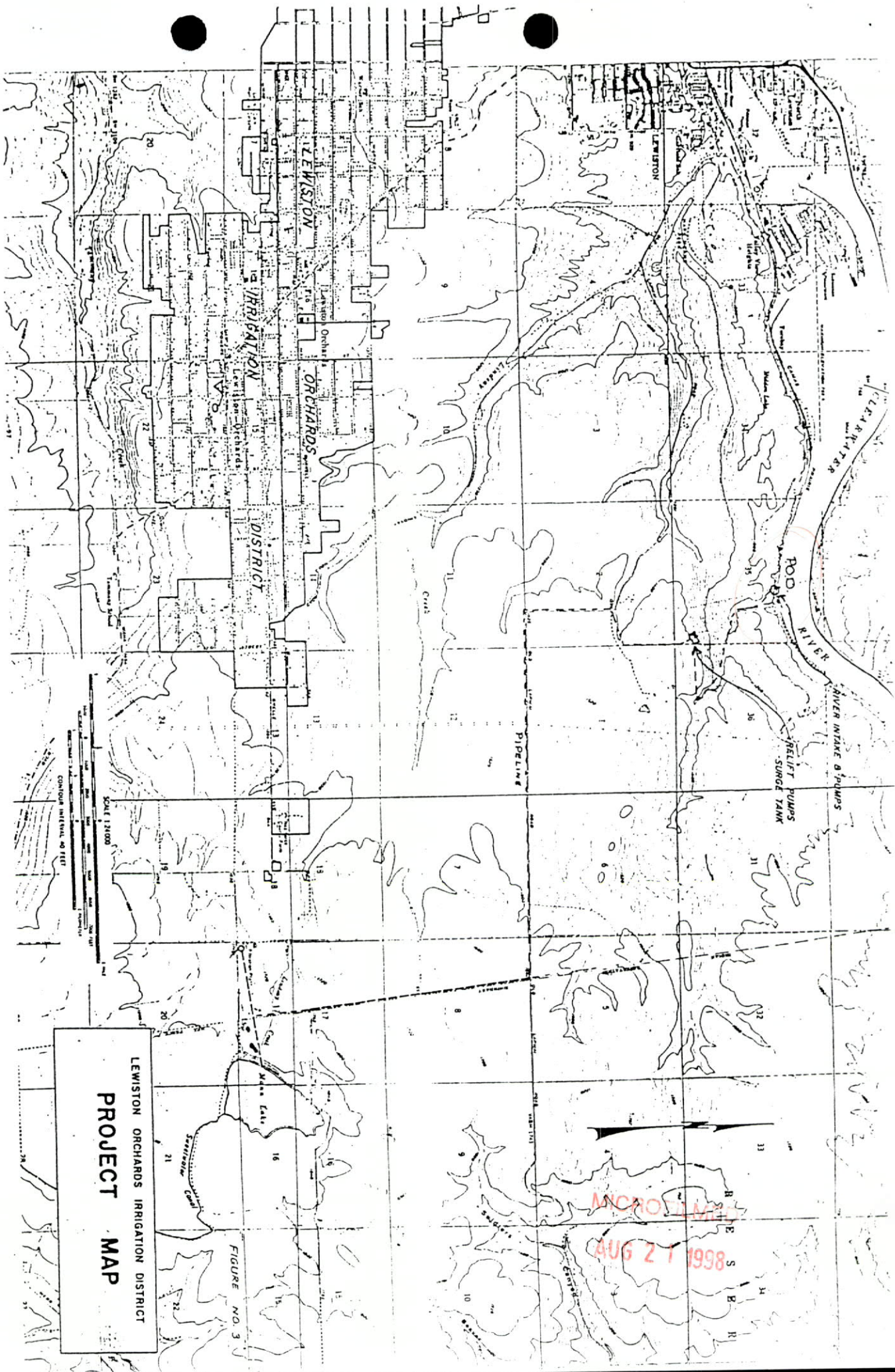
S. 89°34'00"E 583.96'

NEZ PERCE COUNTY

Don't all

70 TOTAL & (7)

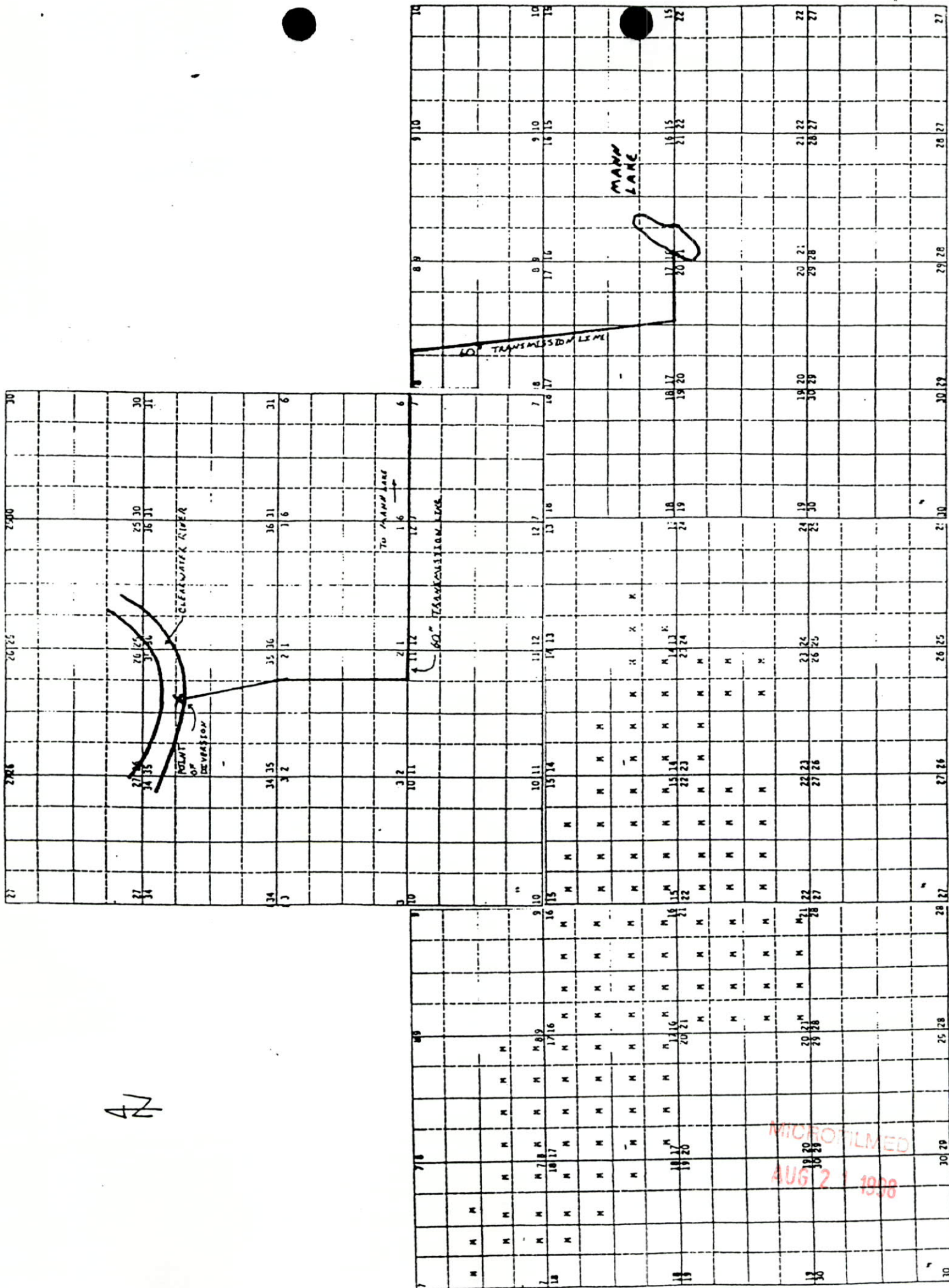




LEWISTON ORCHARDS IRRIGATION DISTRICT
PROJECT MAP

FIGURE NO. 3

AN



MICROFILMED
AUG 21 1968

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number. T 35 N, R 5 W

7			7	8			8	9			9	10			1
M	M	M													
		M	M	M	M	M	M								
7	M	M	M	7	8	M	M	M	8	9		9	10		10
18	M	M	M	18	17	M	M	M	17	16		16	15		15
		M	M	M	M	M	M	M	M	M	M	M	M	M	M
			M	M	M	M	M	M	M	M	M	M	M	M	M
18			18	17	M	M	M	M	17	16	M	16	15	M	M
19			19	20					20	21		21	22		22
									M	M	M	M	M	M	M
									M	M	M	M	M	M	M
19			19	20					20	21	M	21	22	M	M
30			30	29					29	28		28	27		27
30			30	29					29	28		28	27		27

Scale: 2 inches equal 1 mile.

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

Robert E. Jones
Robert E. Jones (Applicant)

President, Lewiston Orchards Irrigation District

MICROFILMED
AUG 21 1998

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number. T 35 N

10			10	11			11	12			12	7			7
10			10	11			11	12			12	7			7
15			15	14			14	13			13	18			18
M	M	M													
M	M	M	M	M	M										
M	M	M	M	M	M	M	M	M	M						
M	M	M	M	M	M	M	M	M	M						
15	M	M	M	15	14	M	M	M	M	14	13	M			
22				22	23					23	24		13	18	18
M	M	M	M	M	M	M	M	M	M				24	19	19
M	M	M	M				M	M							
M	M	M	M				M	M							
22				22	23			23	24			24	19		19
27				27	26			26	25			25	30		30
27				27	26			26	25			25	30		30

Scale: 2 inches equal 1 mile.

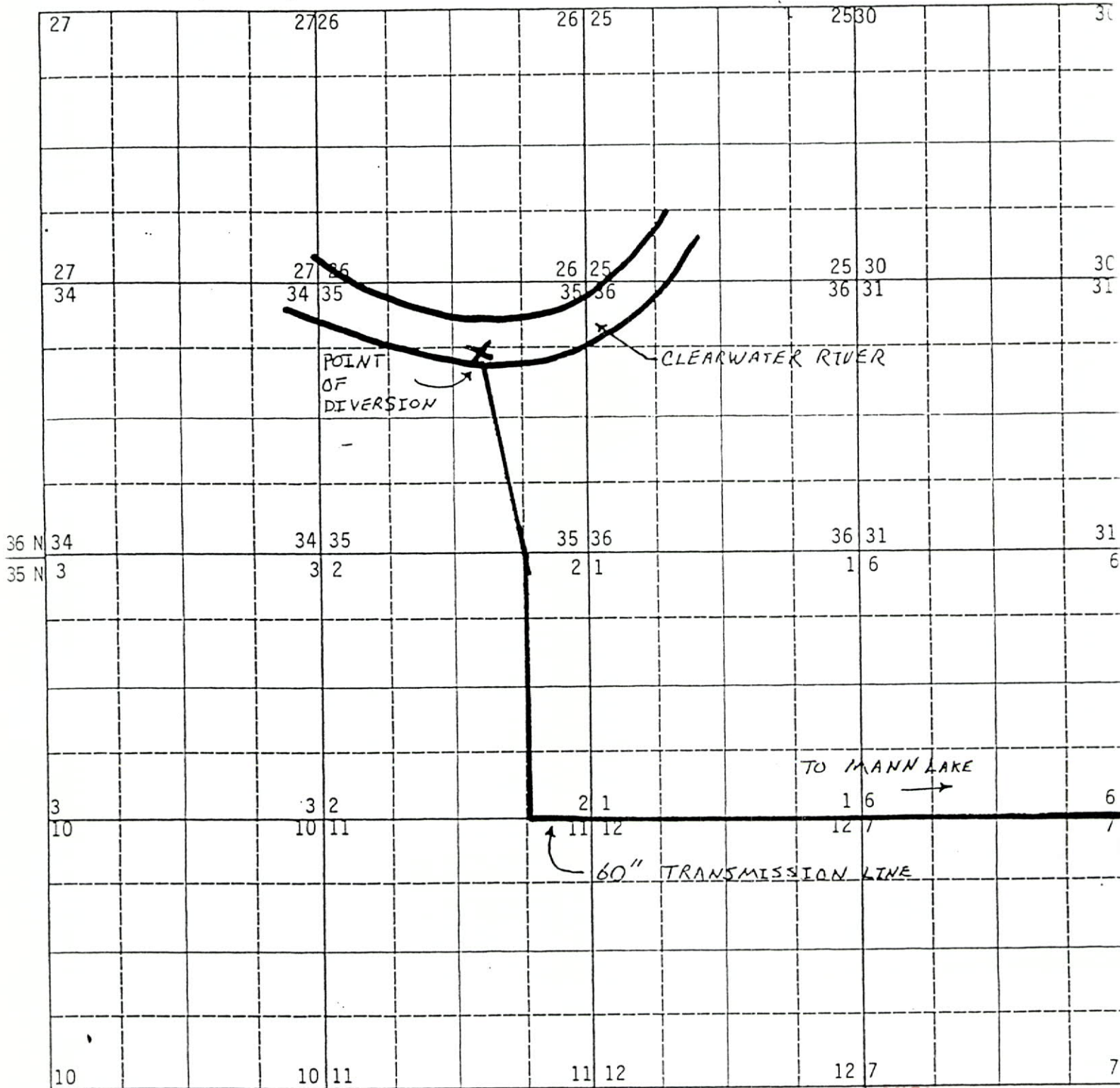
R 5 W R 4 W

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President, Lewiston Orchards Irrigation Distri

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



Scale: 2 inches equal 1 mile.

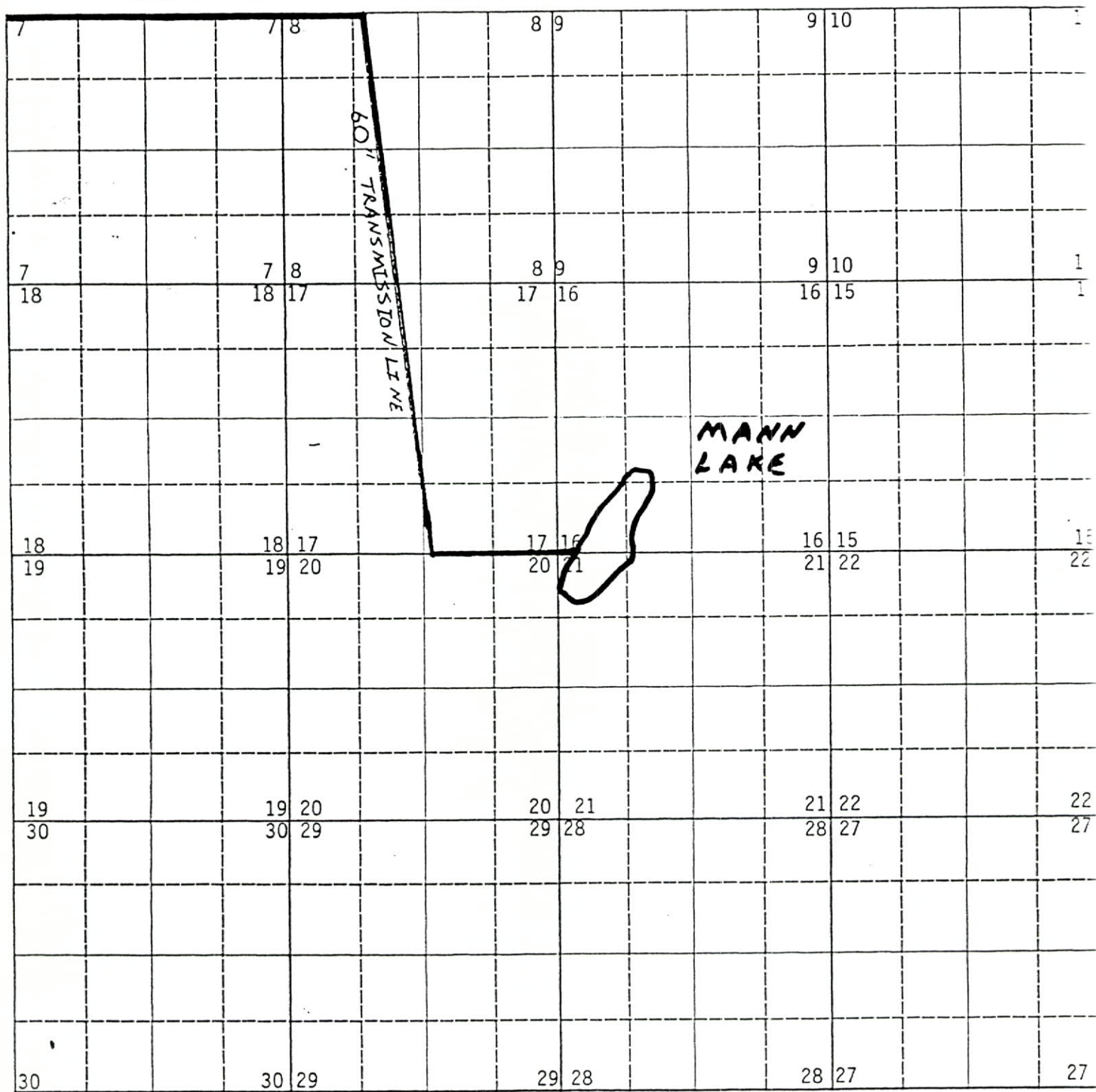
R 5 W

R 4 W

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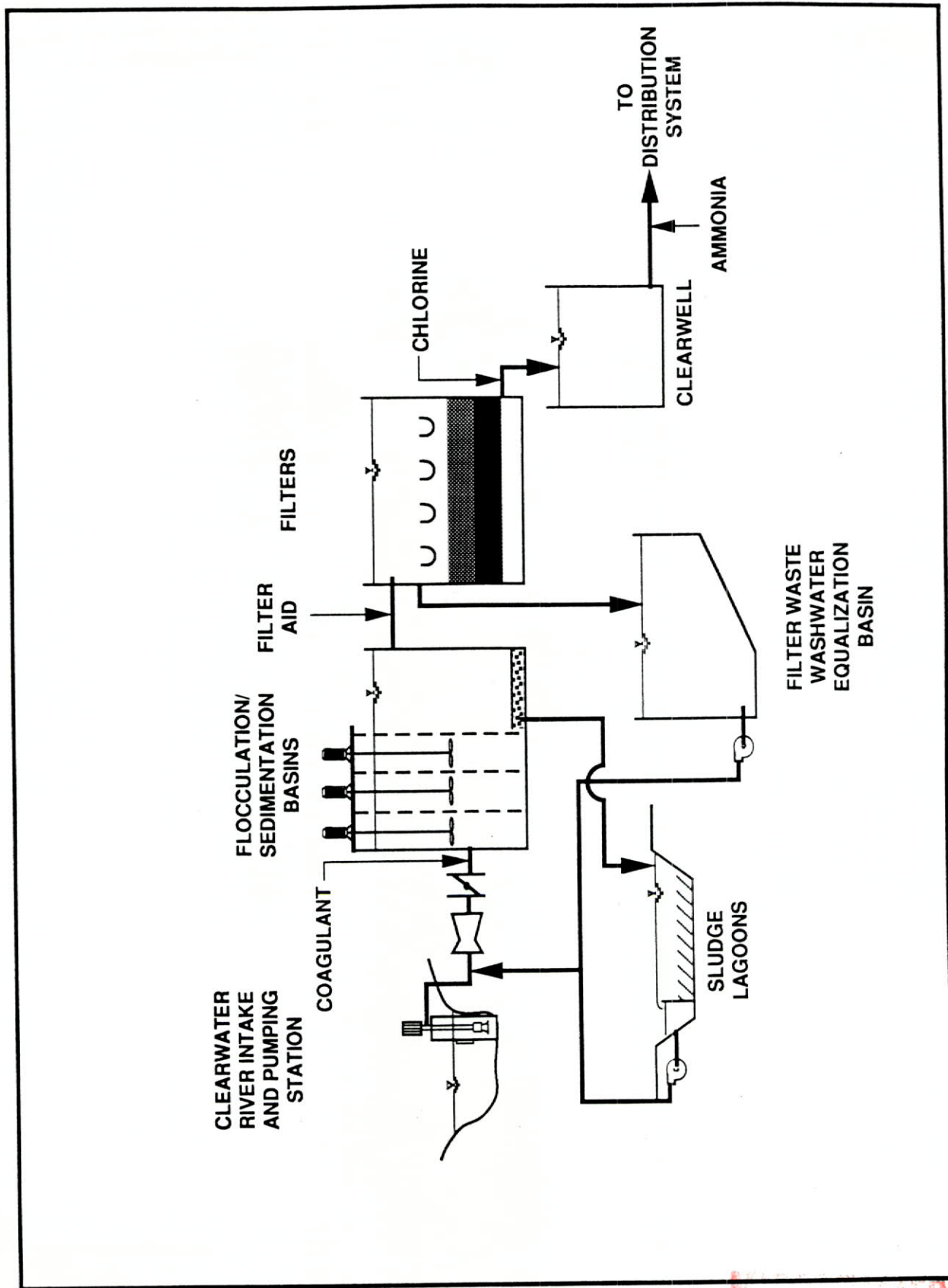
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Scale: 2 inches equal 1 mile.

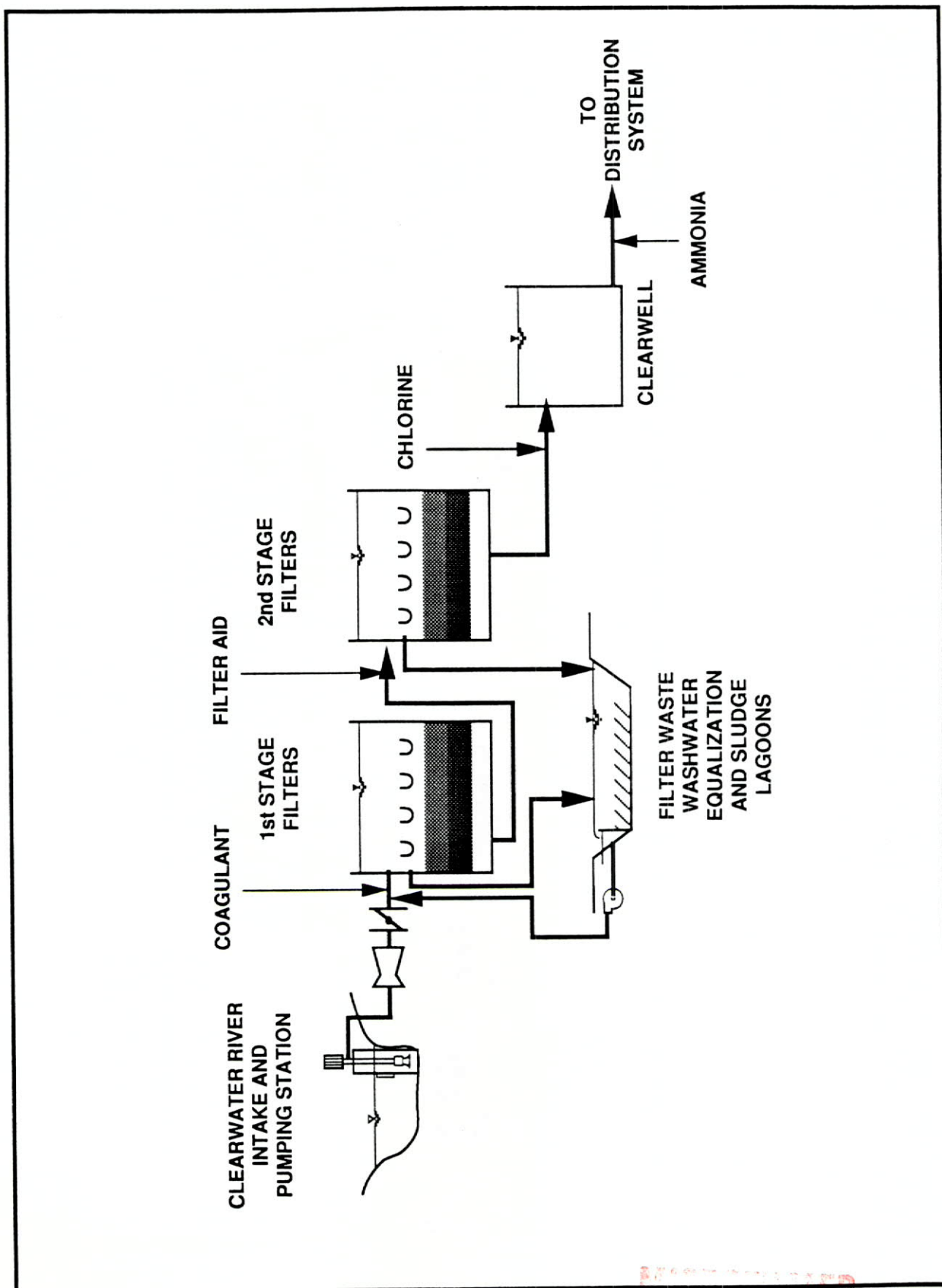
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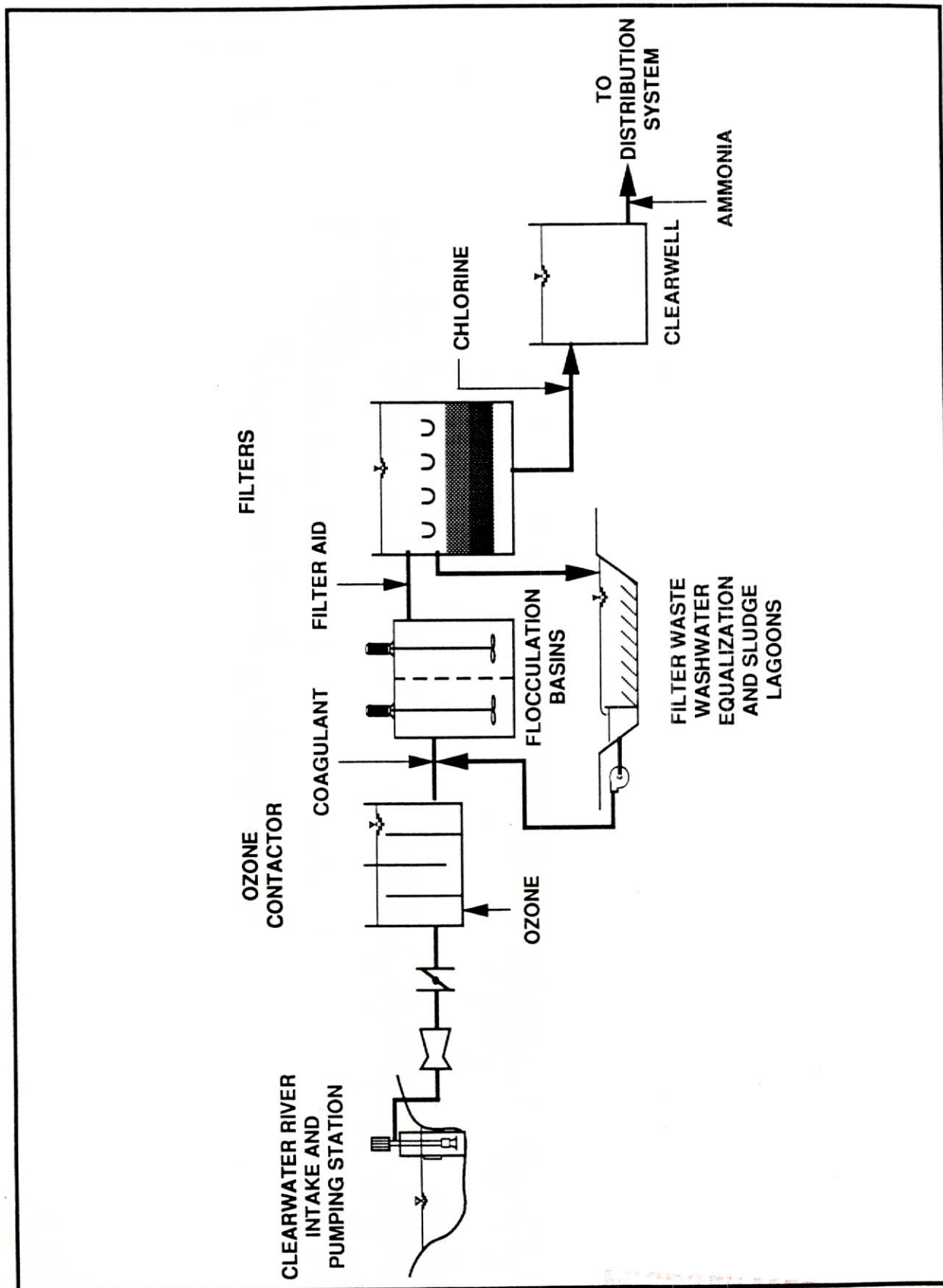
CITY OF LEWISTON
CONVENTIONAL TREATMENT
FIGURE 6-1

OCT 25 1993



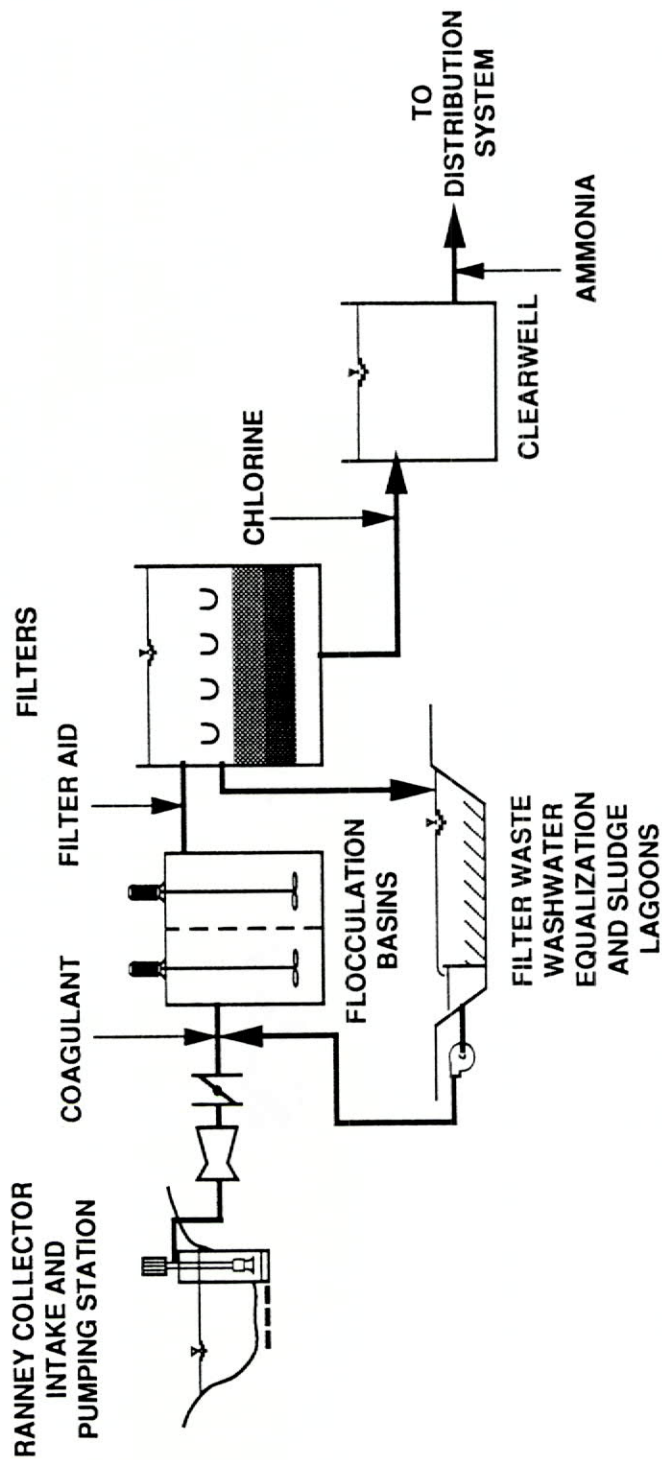
CITY OF LEWISTON
TWO-STAGE FILTRATION
FIGURE 6-2

OCT 25 1993



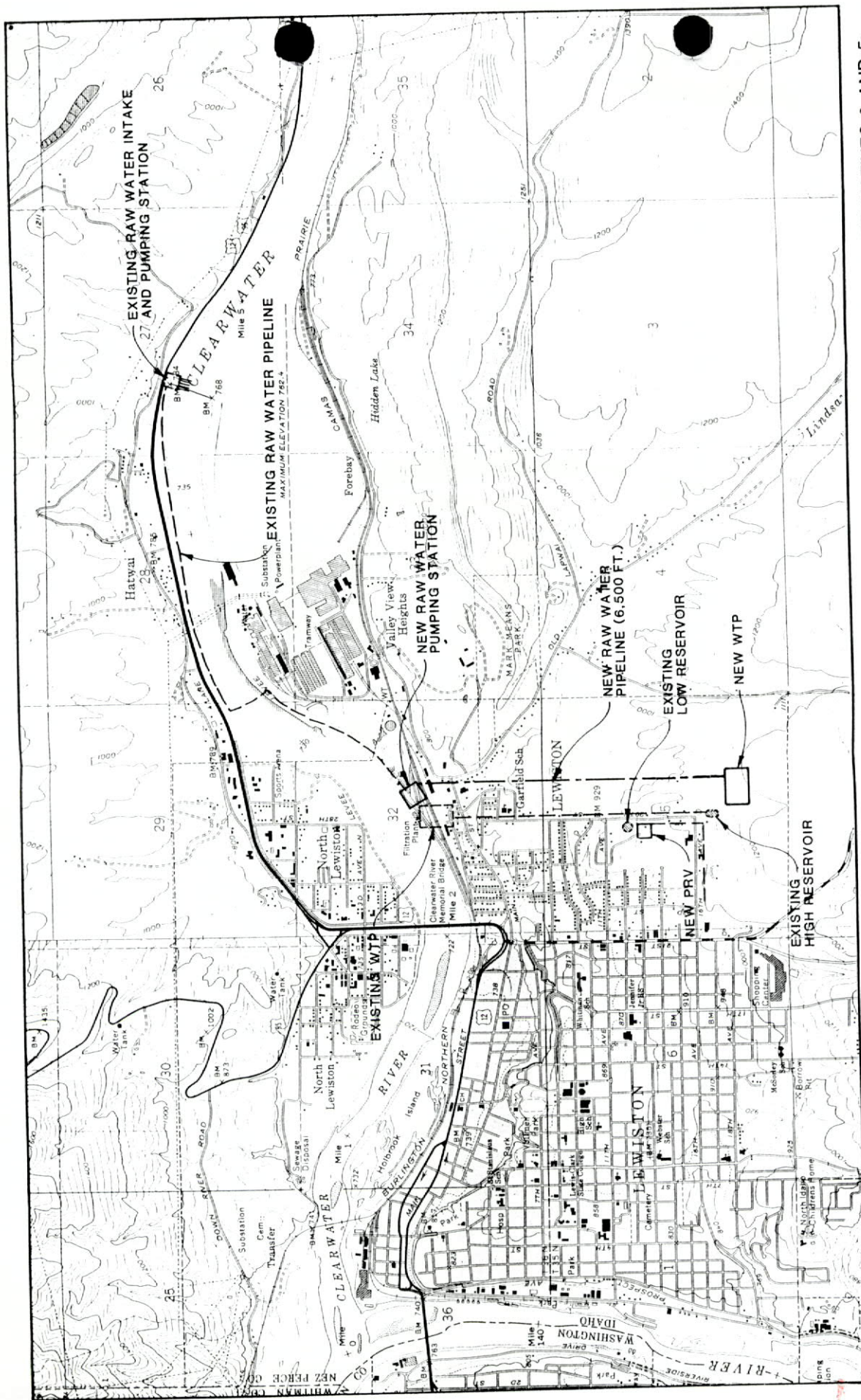
CITY OF LEWISTON
 DIRECT FILTRATION WITH OZONE
 FIGURE 6-3

OCT 25 1993



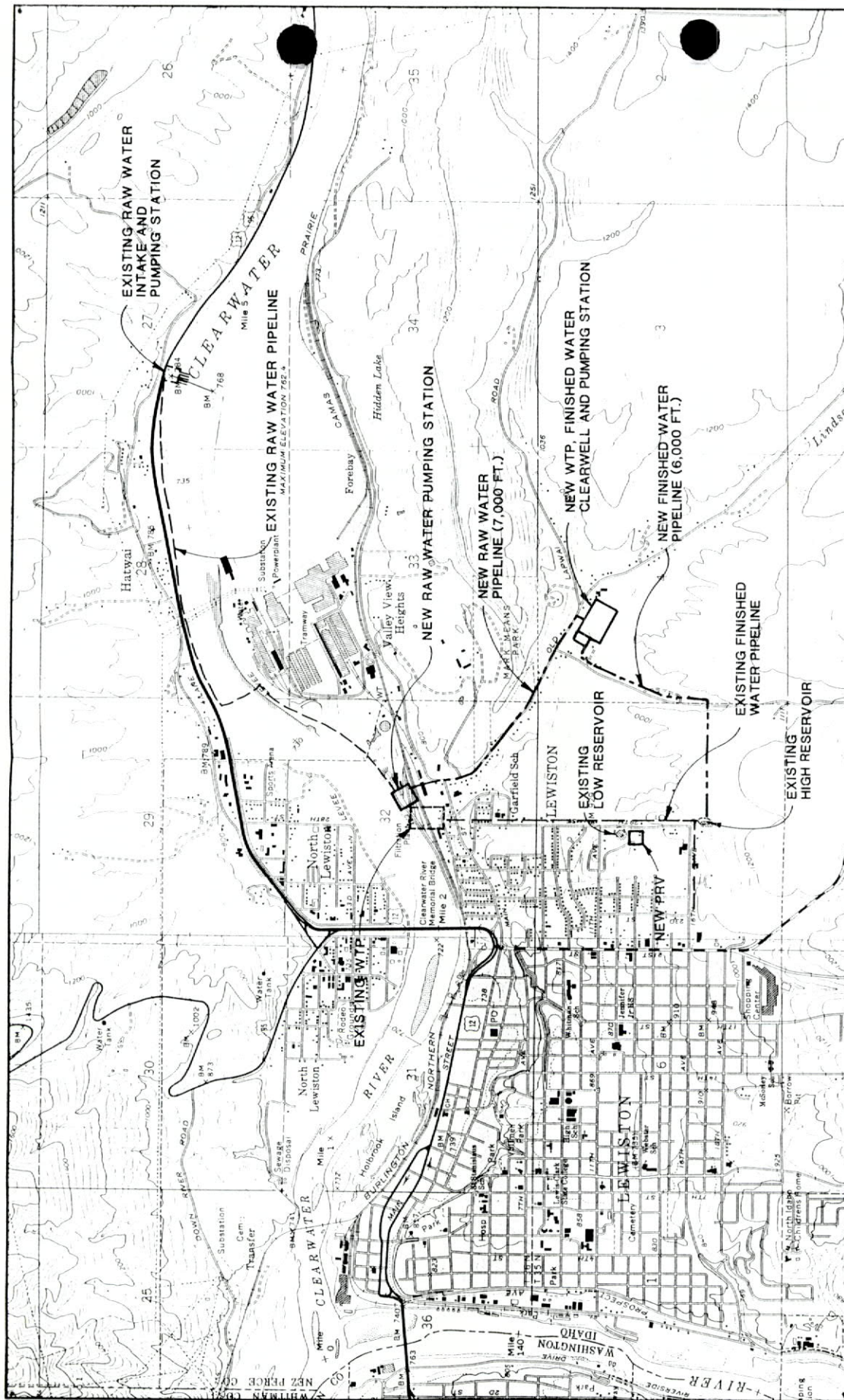
OCT 25 1993

CITY OF LEWISTON
DIRECT FILTRATION WITH RANNEY COLLECTORS
FIGURE 6-4



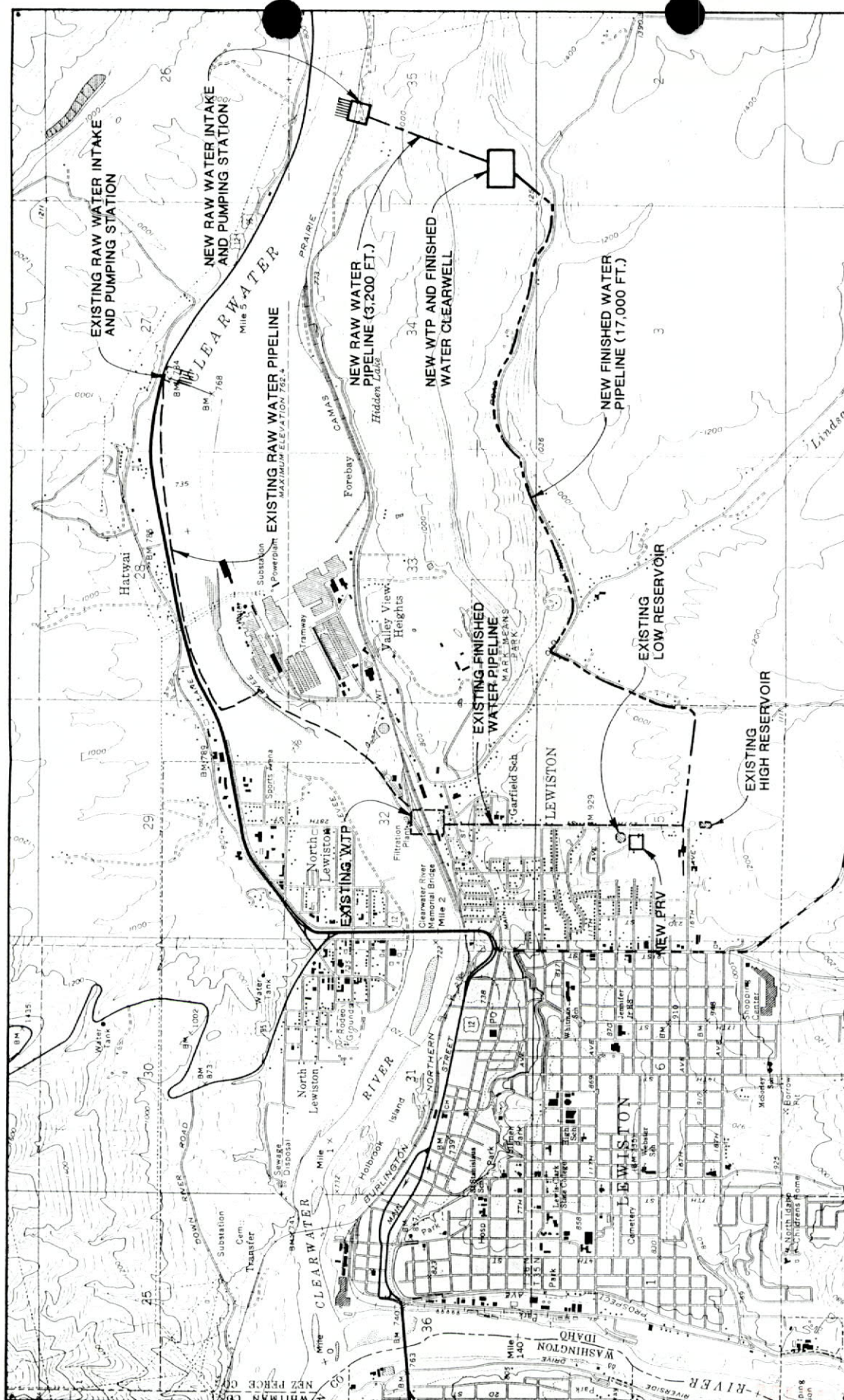
WTP ALTERNATIVES 3 AND 5:
NEW WTP AT HIGH RESERVOIR SITE
FIGURE 6-6

OCT 25 1993



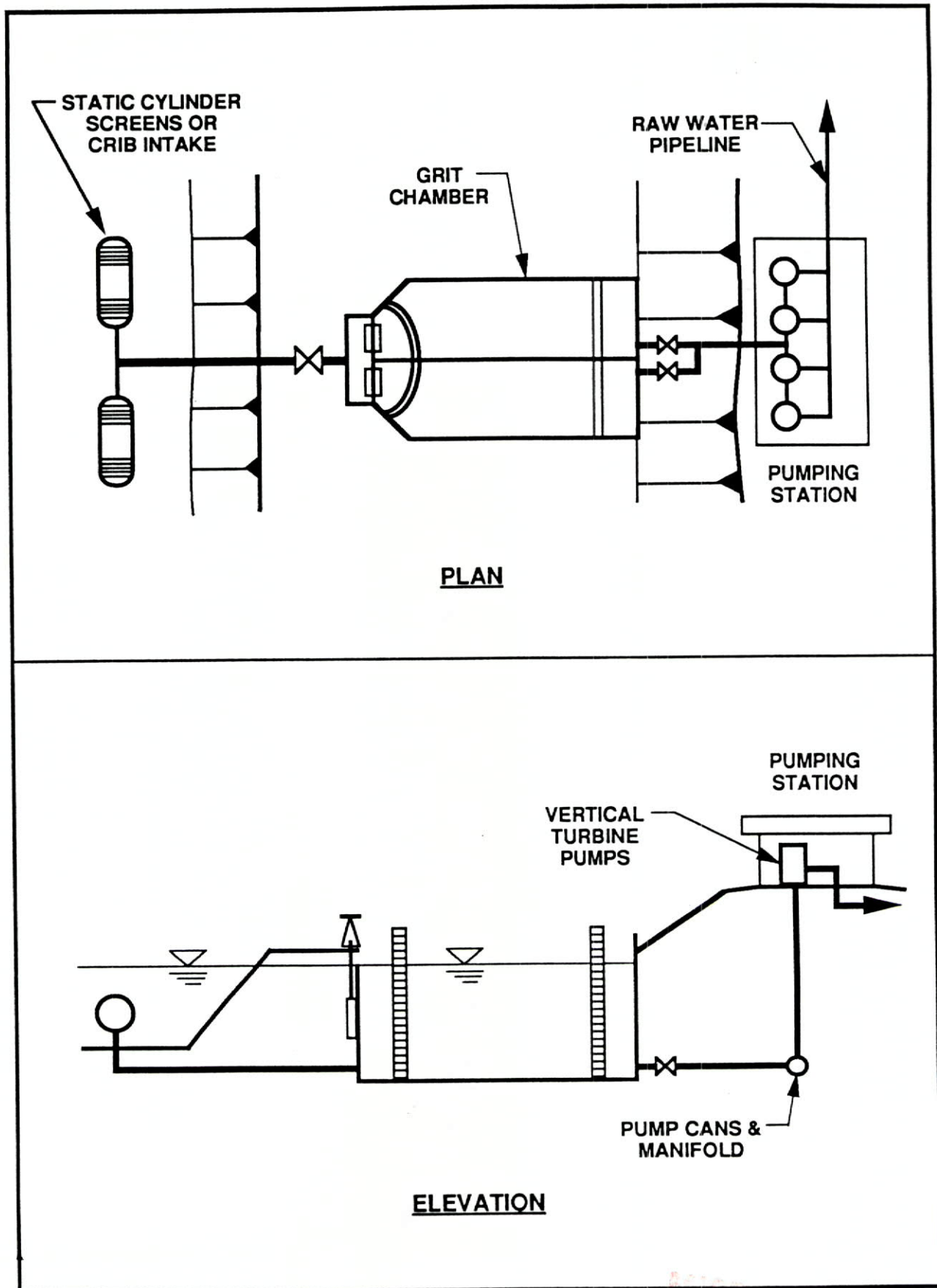
WTP ALTERNATIVES 4 AND 6:
NEW WTP AT LINDSAY CREEK SITE
FIGURE 6-7

UNRECORDED
OCT 25 1993



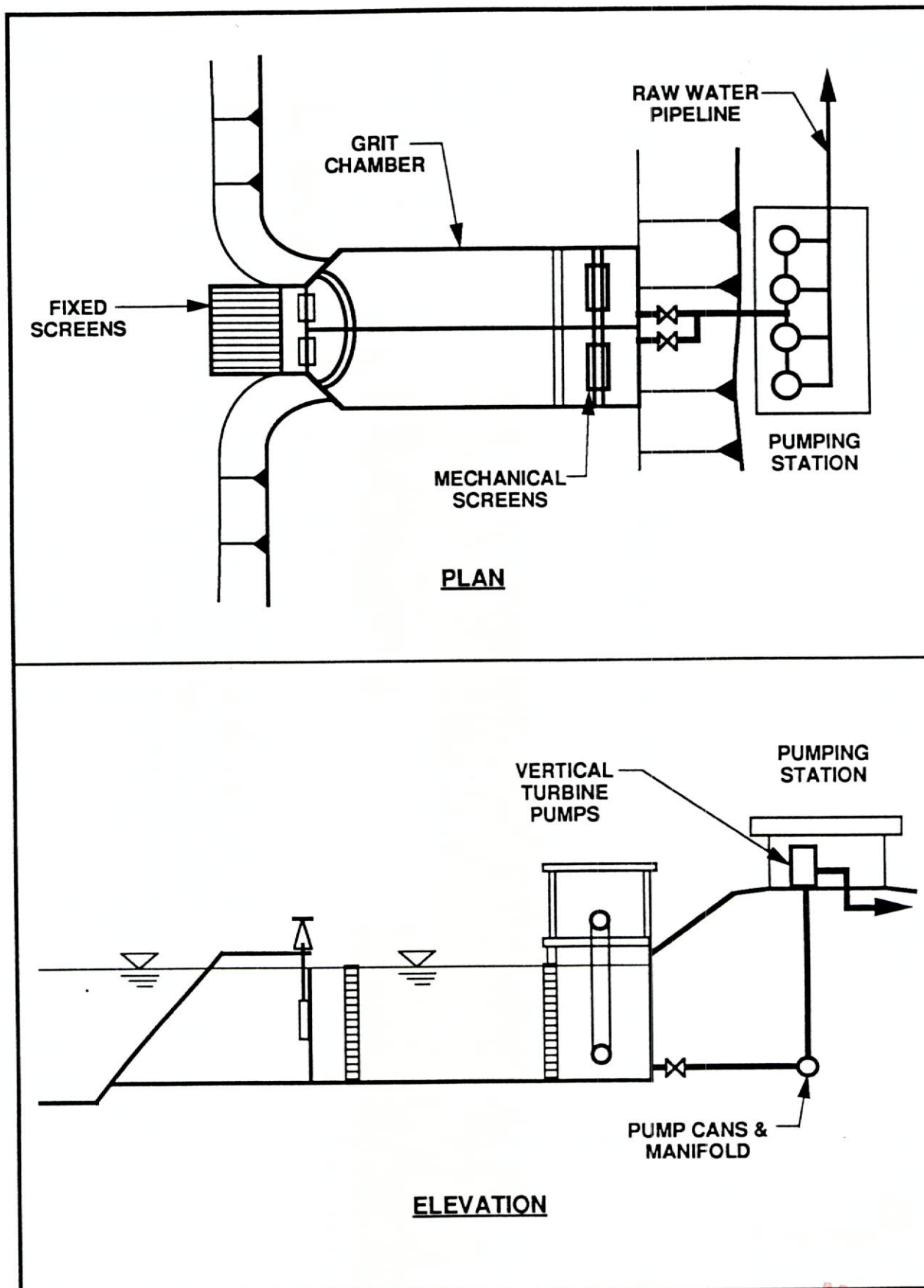
WTP ALTERNATIVE 7:
NEW WTP AT LAPWAI ROAD SITE
FIGURE 6-8

OCT 25 1993



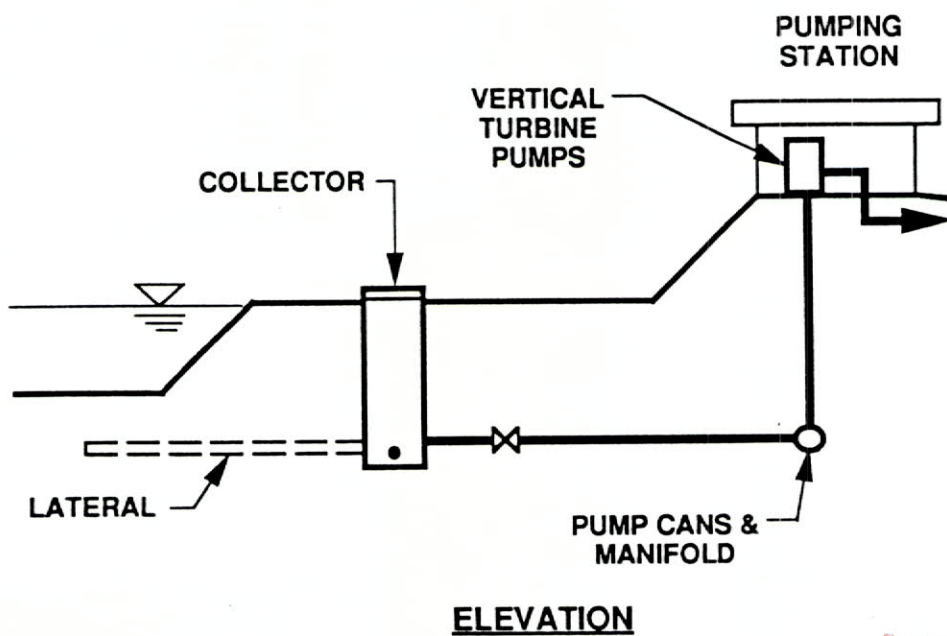
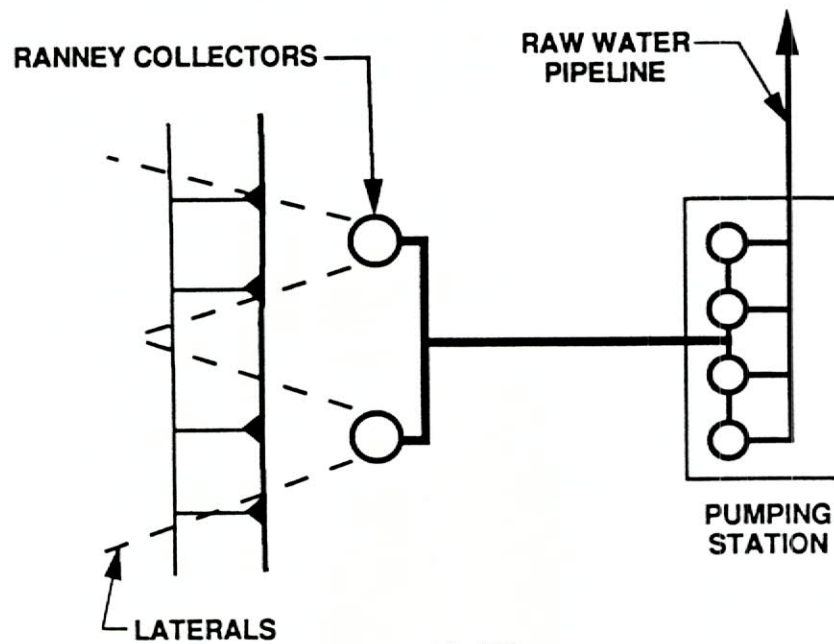
ALTERNATIVE A
GRIT CHAMBER WITH STATIC SCREENS
FIGURE 6-9

OCT 25 1993



ALTERNATIVE B
GRIT CHAMBER WITH MECHANICAL SCREENS
FIGURE 6-10

OCT 25 1993



ALTERNATIVE C
RANNEY COLLECTORS
FIGURE 6-11

RECEIVED

OCT 25 1993

NOTICE OF
APPLICATION FOR
WATER RIGHT
The following
application(s) have been
filed to appropriate the
public waters of the State
of Idaho:

35-07593

STATE OF IDAHO

DEPT OF FISH AND

GAME

PO BOX 25

BOISE, ID 83720

Source: CLEARWATER

RIVER, NORTH FORK

Tributary: CLEARWATER

RIVER

Diversion Pt: NENW Sec

35 T 37N R 01E in

CLEARWATER County.

Use: FISH PROPAGA-

TION (89,000 CFS)

Total Diversion: (89,000

CFS)

Date Filed: 5/ 6/ 1993

In: CLEARWATER County

T37N R01E S33 NESE

S34 NWSW

86-07324

CITY OF LEWISTON

PO Box 617

LEWISTON, ID 83501

Source: CLEARWATER

RIVER

Tributary: SNAKE RIVER

Diversion Pt: SENW Sec

27 T 36N R 05W

SWSE Sec 27 T 36N R

05W in NEZ PERCE

County.

Use: IRRIGATION (400

CFS)

STOCKWATER (020

CFS)

INDUSTRIAL (1.400

CFS)

COMMERCIAL (5.570

CFS)

MUNICIPAL (6.200 CFS)

MUNICIPAL (18.600

CFS)

DOMESTIC (.240 CFS)

Total Diversion: (18.600

CFS)

Date Filed: 4/ 28/ 1993

In: NEZ PERCE County

T35N R04W S17 NWSW

SESW

S18 SENE NESW NWSW

SESW

NESE NWSE

S19 NWNE

R05W S04 NWNW

S13 NESE SESE

S22 NESW NWSW

R06W S12 NENW

S13 NWNW

S24 NENE NWNE

T36N R05W S29 NESE

S30 NWNE SWNE

S33 NWSW SWSW

20.0 ACRES TOTAL

MUNICIPAL USE IS LO-

CATED WITHIN THE

CITY LIMITS OF LEWIST-

ON.

For additional information

concerning the property lo-

cation, call the Northern

Regional Office at (208)

769-1450.

The permit(s) will be sub-

ject to all prior water

rights. Protests must be

filed with the Director,

Dept. of Water Resources,

Northern Region, 1910

Northwest Blvd., Suite

210, Coeur d'Alene,

Idaho 83814 on or before

AUGUST 23, 1993.

R. KEITH HIGGINSON,

Director

PUBLISHED: 8/ 5/ 1993

Affidavit of Publication

STATE OF IDAHO

COUNTY OF TWIN FALLS

SS.

I, Linda Capps McQuinn being first duly sworn upon oath, depose
and say that I am Print Clerk of the TIMES-NEWS, published daily, at
Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per
clipping attached, was published in the regular and entire issue of said newspaper, and not in
any supplement thereof, for Two consecutive Weeks,
commencing with the issue dated August 5, 19 93,
and ending with the issue dated August 12, 19 93.

And I do further certify that said newspaper is a consolidation, effective February 16, 1942, of the Idaho
Evening Times, published theretofore daily except Sunday, and the Twin Falls News, published theretofore daily ex-
cept Monday, both of which newspapers prior to consolidation had been published under said names in said city and
county continuously and uninterruptedly during a period of more than twelve consecutive months, and said TIMES-
NEWS, since such consolidation, has been published as a daily newspaper except Saturday, until July 31, 1978, at
which time said newspaper began daily publication under said name in said city and county continuously and
uninterruptedly.

And I further certify that pursuant to Section 60-108 Idaho Code, Thursday of each week has been designated
as the day on which legal notice by law or by order of any court of competent jurisdiction within the state of Idaho,
to be published weekly, will be published; and that at the head of the editorial column of said combined newspapers,
and in each issue thereof, Thursday is announced as the day on which said legal notices will be published.

STATE OF IDAHO
COUNTY OF TWIN FALLS

On this 1 day of September in the year of 1993, before me,
a Notary Public, personally appeared Linda Capps McQuinn,
known or identified to me to be the person whose name subscribed to the within instrument, and being by me first
duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Debra R. Feltman
Notary Public for Idaho

Residing at Twin Falls

My commission expires: 5/19/94

No 25103

OCT 25 1993

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

138.00

Account Number 100631		Identification NOTICE OF APPLICATION FOR WATER RIGHT	
Ordered By Patricia M. Stypa	P.O. Number	Rate NT	Run Dates August 5, 12, 1993
State of Idaho Department of Water Resources Northern Region 1910 Northwest Boulevard, Suite 211 Coeur d'Alene, Idaho 83814		Estimated Inches	Real Inches
		# Affidavits 1	Legal Number 5579

LEGAL NOTICE

NOTICE OF APPLICATION FOR WATER RIGHT

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

85-07593

STATE OF IDAHO
DEPT. OF FISH AND GAME
PO BOX 25
BOISE, ID 83720

Source: CLEARWATER RIVER, NORTH FORK
Tributary: CLEARWATER RIVER
Diversion Pt: NENW Sec 35 T 37N R 01E in CLEARWATER County.
Use: FISH PROPAGATION (89,000 CFS)
Total Diversion: (89,000 CFS)
Date Filed: 5/ 6/1993
In: CLEARWATER County
T37N R01E S33 NESE
S34 NWSW

86-07324

CITY OF LEWISTON
PO BOX 617
LEWISTON, ID 83501

Source: CLEARWATER RIVER Tributary: SNAKE RIVER
Diversion Pt: SENW Sec 27 T 36N R 05W
SWSE Sec 27 T 36N R 05W in NEZ PERCE County-

Use: IRRIGATION (.400 CFS)
- STOCKWATER (.020 CFS)
- INDUSTRIAL (1.400 CFS)
- COMMERCIAL (.570 CFS)
- MUNICIPAL (6.200 CFS)
- MUNICIPAL (18.600 CFS)
- DOMESTIC (.240 CFS)
Total Diversion: (18.600 CFS)
Date Filed: 4/28/1993.

In: NEZ PERCE County
T35N R04W S17 NWSW SESW
S18 SENE NESW NWSW SESW
NESE NWSE
S19 NWNE
R05W S04 NWNW
S13 NESE SESE
S22 NESW NWSW
R06W S12 NENW
S13 NWNW
S24 NENE NWNE
T36N R05W S29 NESE
S30 NWNE SWNE
S33 NWSW SWSW

20.0 ACRES TOTAL
MUNICIPAL USE IS LOCATED WITHIN THE CITY LIMITS OF LEWISTON.

For additional information concerning the property location, call the Northern Regional Office at (208) 769-1450.

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources Northern Region, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, Idaho 83814 on or before AUGUST 23, 1993.

R. KEITH HIGGINSON, Director
Pub. August 5, 12, 1993

5579

-CULPAN

, being duly

s: That she is the Principal Clerk of The
newspaper printed and published at Boise,
Idaho, and having a general circulation therein
per has been continuously and uninterruptedly
during a period of twelve consecutive
publication of the notice, a copy of which is
and notice was published in The Idaho
with Section 60-108, Idaho Code as

☐ consecutive daily ☐ single ☐ odd skip

with the issue of AUGUST 5, 1993

of AUGUST 12, 1993

C. Payne-Culpan

ss.

day of AUGUST in the year of
me, a Notary Public, personally appeared
CULPAN, known or identified to
se name subscribed to the within instrument,
ly sworn, declared that the statements therein
ged to me that she executed the same.

Public for Idaho

ing at BOISE, ID

mmission expires: 11-27-93

OCT 25 1993

MAY 29 1998

Department of Water Resources

AUG 21 1998

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 86-07324

Proposed Priority: April 28, 1993

Maximum Diversion Rate:

18.60 CFS

This is to certify, that CITY OF LEWISTON

PO BOX 617

LEWISTON ID 835010617

has applied for a permit to appropriate water from:

CLEARWATER RIVER

tributary of **SNAKE RIVER**

and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	03/15 to 11/15	0.40 CFS
STOCKWATER	01/01 to 12/31	0.02 CFS
INDUSTRIAL	01/01 to 12/31	1.40 CFS
COMMERCIAL	01/01 to 12/31	0.57 CFS
MUNICIPAL	12/01 to 02/29	6.20 CFS
MUNICIPAL	03/01 to 11/30	18.60 CFS
DOMESTIC	01/01 to 12/31	0.24 CFS
Totals		18.60 CFS

LOCATION OF POINT(S) OF DIVERSION:

SENE, Sec. 27, Township 36N, Range 05W
SWSE, Sec. 27, Township 36N, Range 05W
NEZ PERCE County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
35N	04W	17	NWSW 0.5	SESW 0.5		1
		18	SENE 0.5	NESW 0.5	NWSW 1	
			SESW 0.5	NESE 0.5	NWSE 0.5	3.5
		19	NWNE 0.5			0.5
05W		4	NWNW 1			1
		13	NESE 0.5	SESE 0.5		1
		22	NESW 2.5	NWSW 2.5		5
06W		12	NENW 0.5			0.5
		24	NENE 0.5			0.5
36N	05W	29	NESE 0.5			0.5
		30	NWNE 1	SWNE 0.5		1.5
		33	NWSW 4	SWSW 1		5

Total number of acres irrigated: 20

PLACE OF USE: STOCKWATER

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>
35N	06W	24
		NWNE

APPROVED

OCT 25 1993

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 86-07324

PLACE OF USE: INDUSTRIAL

TWN RGE SEC

35N 06W	12	NENW
	24	NENE

PLACE OF USE: COMMERCIAL

TWN RGE SEC

35N 04W	18	NWSW
	06W 13	NWNW
36N 05W	33	NWSW

PLACE OF USE: DOMESTIC

TWN RGE SEC

35N 04W	17	NWSW	SESW	
	18	SENE	NESW	SESW
		NESE	NWSE	
	19	NWNE		
05W	4	NWNW		
	13	NESE	SESE	
	22	NESW	NWSW	
36N 05W	29	NESE		
	30	NWNE	SWNE	
	33	NWSW	SWSW	

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **October 1, 1998**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. A flow measurement port or other device as specified by the Department shall be installed by the right holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
5. A separate stream alteration permit from the IDWR is required for any activity in the stream channel other than construction and/or maintenance of the diversion structure. If the proposed construction or operation involves construction of an outfall or any other work in the stream channel other than a water diversion, the right holder contact the Department and obtain a Stream Channel Alteration permit prior to the start of construction.
6. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

OCT 25 1993

State of Idaho
Department of Water Resources

Permit To Appropriate Water

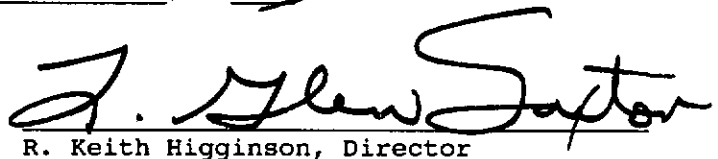
NO. 86-07324

CONDITIONS/REMARKS:

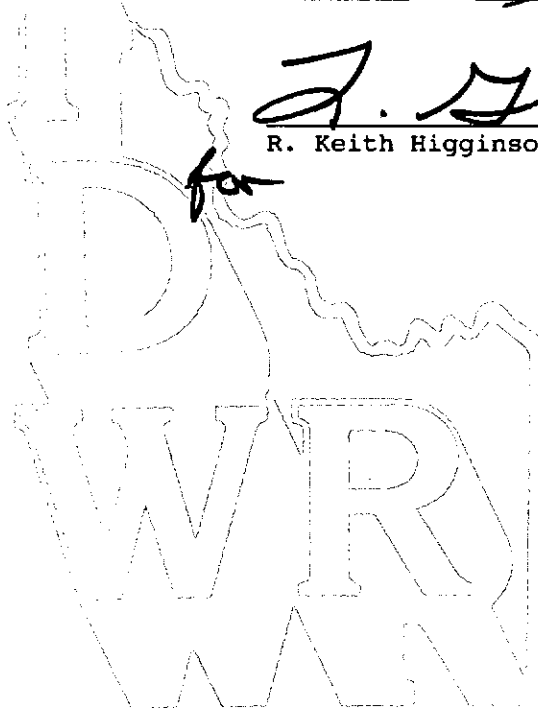
7. Municipal use is located within the city limits of Lewiston.
8. Stockwater use is for 10 range cattle.
9. Industrial use is for 3 manufacturing facilities.
10. Commercial use is for 1 rest home, 1 fire station, 1 stockyard, and Hells Gate State Park.
11. Domestic use is for 28 homes.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

7th day of October, 1993


R. Keith Higginson, Director

for



MICROFILMED

OCT 25 1993

SEP 23 1993

Ident. No.

86-7324

Department of Water Resources

- DECLASSIFIED

OCT 25 1993

8. Description of proposed uses (if irrigation only, go to item 9):

- a. Hydropower; show total feet of head and proposed capacity in KW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; show name of municipality. City of Lewiston
- d. Domestic; show number of households. 6,200 LOID Water District & 5,220 City of Lewiston
- e. Other; describe fully. DOMESTIC USE IS FOR 28 HOMES, STOCKWATER USE IS FOR 10 HEAD OF RANGE STOCK, INDUSTRIAL USE IS FOR 3 ^{manufacturing} ~~BLIND~~ INSTALLATIONS; COMERCIAL USE IS FOR 1 REST HOME, 1 FIRE STATION, 1 STOCKYARD, & HELLS GATE STATE PARK

9. Description of place of use: All use will be domestic within corporate limits.

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
#36N.	SW	30		D 1	D .5														1.5
#36W.	SW	29													D .5				.5
#36W.	SW		See Above: All municipal domestic usage within City Limits																
#36W.	SW	33									D 4	D 1							5
#35N.	SW	4						D 1											1
#35W.	SW	22									D 2.5	D 2.5							5
#35W.	SW	13													D .5			D .5	1
#35W.	SW	18				D .5					D .5	C 1		D .5	D .5	D .5			3.5

Total number of acres to be irrigated _____

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

86-04034 (10.7 CFS) 86-07090 (7.9 CFS)

11. a. Who owns the property at the point of diversion? Corps of Engineers

b. Who owns the land to be irrigated or place of use? Municipal

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

12. Remarks: This application is intended to appropriate water for the City of Lewiston within the corporate limits and to include the present Lewiston Orchards Irrigation District customers. This appropriation should maintain a viable water supply for Lewiston customers before LOID.

OCT 25 1993

# 35N.	4W.	17										D	D					1
# 35N.	4W.	19		D								.5						.5
# 35N.	6W.	24	I	S														.5
# 35N.	6W.	13																
# 35N.	6W.	12										I						.5

Total number of acres to be irrigated 20

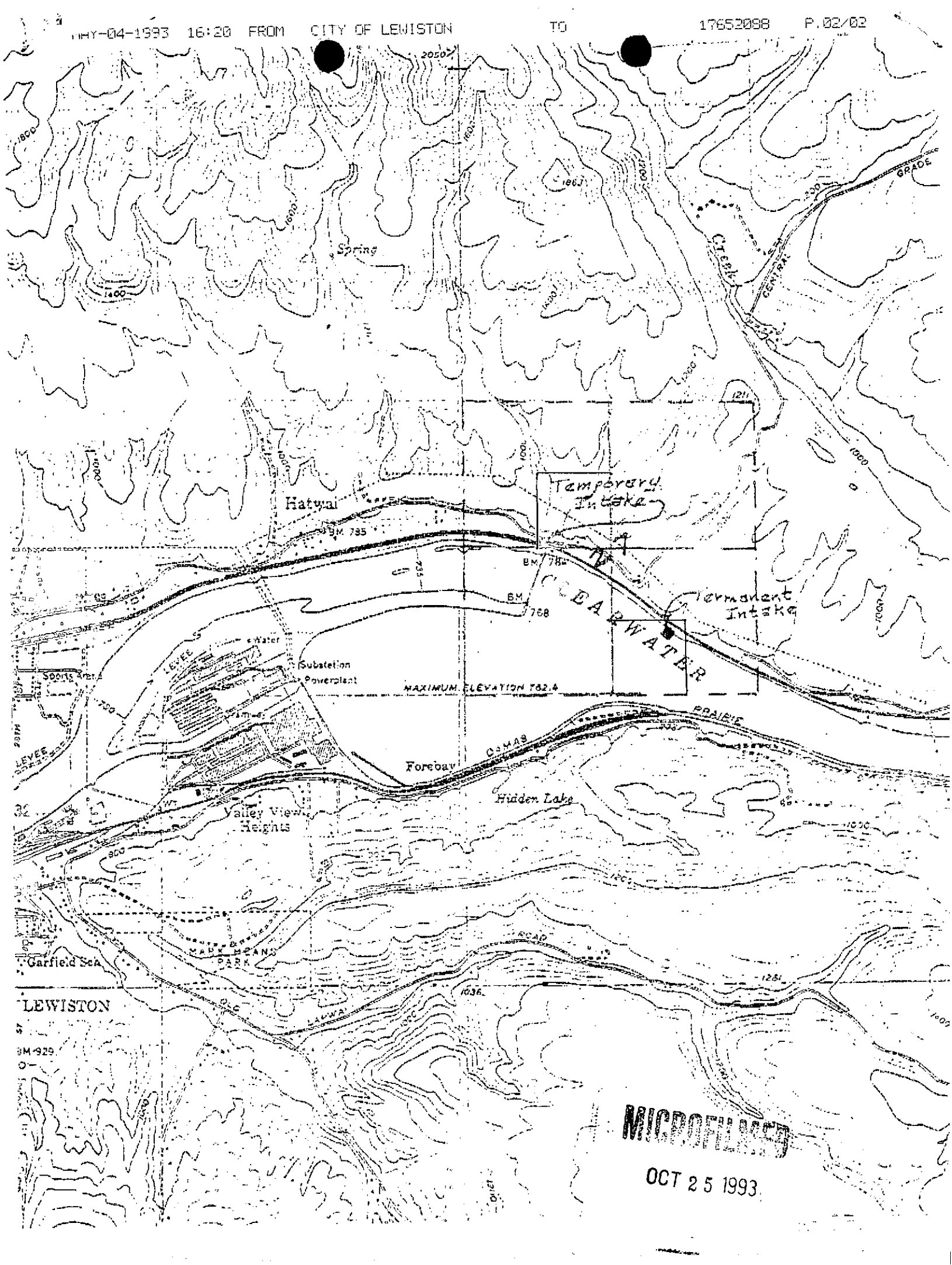
SCH

10 A.C.(C)

△
(1)
(2)

OCT 25 1993

713



MICROFILMED

OCT 25 1993

SEE USGS MAPS

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

0

PRICE RELEASED

OCT 25 1993

Scale: 2 inches equal 1 mile.

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

Lovetta Eisele
Lovetta Eisele
 (Applicant)
 Mayor, City of Lewiston

Received by Date 4/28/93 Time 12:30pm Preliminary check by
Fee \$ 405.00 Receipted by # N 6482 Date 4/28/93
Publication prepared by Date 7/28/93 Published in Idaho Tribune Idaho News
Idaho Statesman Post Register
Publication approved Date 9/20/93
8/24/93

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

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

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 _____, 19____.

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

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other:

RECEIVED
OCT 25 1993

**ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE**

Permit No. 86-07324 Reviewed by [Signature] Date 7-9-98

GENERAL CONSIDERATIONS

yes Name same as permit?
yes Address same as permit?
yes Proof timely received?
If not, complete calculation below.

TYPES OF USE

municipal

Correct Uses? yes

SOURCE OF WATER

☒ Surface water source

☐ Ground water source

☐ Drilling permit required?

☐ Copy in the file? Drilling Permit No. _____

☐ Amount paid for permit

☐ Well log in the file?

_____ Correct?

LICENSE EXAMINATION FEE

yes Required?
550- Amount Submitted
yes Correct?

MEASURING DEVICE

yes Required?
? Installed?
_____ Waiver requested?

PRIORITY CALCULATION

Date proof received	_____	<u>X</u>
Date proof due	_____	
No. of days late	_____	
Priority Date	_____	
New Priority Date	_____	

DEFICIENCIES OR ACTION ITEMS

Proof acceptable

DATA ENTRY

New Address X Proof Made 5-29-98



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

July 10, 1998

City of Lewiston
PO Box 617
Lewiston ID 83501

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 86-07324

Dear Permit Holder:

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

Be advised that Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any department office.

If you have questions concerning the field examination, please contact the department's **NORTHERN** Regional Office in Coeur d'Alene at (208)769-1450.

Sincerely,

JULIE L. YARBROUGH

Senior Secretary, Water Allocation Bureau

c: IDWR - Regional Office

MICROFILMED
AUG 21 1998



City of Lewiston

IDAHO'S ONLY SEAPORT

POST OFFICE BOX 617

LEWISTON, IDAHO 83501

(208) 746-3671

TO: 83135
IDAHO DEPT OF WATER RESOURCES
1301 NORTH ORCHARD STREET
BOISE ID 83720-9000

DELIVER TO: 2901 RAILROAD

INVOICE TO: WATER DEPARTMENT

PURCHASE ORDER NO. 44779

DATE 5/27/98

DELIVERY REQUESTED BY

THE ABOVE PURCHASE ORDER NO. MUST APPEAR ON ALL PACKAGES, INVOICES, PACKING LISTS AND B/L'S PERTAINING TO THIS ORDER. A PACKING SLIP MUST ACCOMPANY EACH SHIPMENT OR IT IS SUBJECT TO REFUSAL.

PURCHASE REQUISITION NO. 48402

IDAHO STATE TAX EXEMPTION NO. 23959

FEDERAL ID NO. 82-6000219

ACCOUNT CODE	QTY.	UNIT TYPE	ITEM DESCRIPTION	UNIT PRICE	EXTENSION	RCV'D
8-210-211-303-863			WATER RIGHTS PERMIT	550.00	550.00	
TOTAL					550.00	

BY SALE OF THE REQUESTED MATERIAL ABOVE, THE VENDOR WARRANTS THAT ALL MATERIAL IS IN ACCORD WITH AND CONFORMS TO ALL OSHA STANDARDS.

ALL MATERIALS ARE TO BE SHIPPED PREPAID - F.O.B. LEWISTON - C.O.D. OR COLLECT SHIPMENTS WILL NOT BE ACCEPTED.

I HEREBY CERTIFY THAT THIS PURCHASE IS IN AGREEMENT WITH THE REQUISITION ON FILE AUTHORIZING THE EXPENDITURE AND IS PROPERLY APPROVED.

PURCHASING

DATE

REC'D BY

DATE

FINANCE - APPROVED FOR PAYMENT

MICROFILMED
AUG 2 1998

White - Accts. Payable

Yellow - Vendor

Pink - Receiving

Gold - Dept./Div.

LMT 5/22/95

86-7324

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MAY 26 1995

Department of Water Resources

MICROFILMED

MAY 21 1998

● Opposed: Others say cooperation with Lewiston is the key

■ They believe another pipeline from Clearwater River is the best option

By Mohsin Askari
of the Tribune

The bid by the Lewiston Orchards Irrigation District to drill four wells is a shortsighted approach to solving its problems, say members of the Orchards Water Committee.

Instead of a proposed bond issue, they support construction of a second pipeline from the Clearwater River to the LOID system to supply untreated water, for which the city of Lewiston already has a permit.

The committee was formed a couple of years ago in an attempt to redirect LOID to cooperate with the city of Lewiston to solve water problems. Members are asking people to vote against issuance of bonds in Tuesday's election.

Committee members present for the interview were Morton Brigham, Keith Browning, Hugh Nichols and Robert Wing, with Nichols doing most of the talking.

"It's a shortsighted, questionable solution to a long-term difficulty," Nichols said of the LOID plan.

For one thing, he said, there is no guarantee the expected amount of water will be obtained from the wells.

Besides, even LOID has recognized it would take 18 to 20 wells to meet all its needs, he said.

The committee is particularly incensed at what it sees as LOID's refusal to cooperate with the city of Lewiston.

"The thing that's maddening to us is the opportunity to sit down with the city and work out a cooperative solution to water rights is sitting there staring them in the

face," Nichols said.

City staff has made many overtures to LOID and they have been rejected, Nichols said. The long-term solution, he said, is to get water from the Clearwater River. A pipeline can be built to convey untreated water from the Clearwater to LOID's irrigation system, but work on it has to begin right away.

"The refusal to accept the city's offer for cooperation is inexcusable," Wing added.

Nichols said it does not make sense to have two water supply systems in Lewiston. "They want to stay completely separate from the city. We think politically that is

not responsible," he said.

He questioned why LOID should spend \$5 million on an uncertain source when \$1 million will get it a certain source of water.

Nichols was referring to the possibility of allowing the city to supply LOID about 2 million gallons a day if improvements are made to pipeline and pumping capacity, estimated to cost less than \$1 million.

LOID's peak domestic water demand is about that, which means the two wells that now produce domestic water could be diverted to irrigation use.

Brigham said that \$5 million should not be wasted on what he termed "rat holes," especially since it places a lien on property within the irrigation system.

Nichols said the LOID management has been saying it will take several years before a permit to obtain water from the Clearwater

is received, and in the meantime wells are needed to augment water supply.

"But the city already has a water right, and got it with the needs of the LOID system in mind," he said.

He suggested the reason LOID will not cooperate with the city is that ultimately the move will lead to LOID's demise because people will see they do not need a second entity.

That happens to be another reason to vote against the bond issuance, the committee believes.

"We feel that if the bond election fails then they will really be in the hard position of having to cooperate with the city," Nichols said.

Committee members have also mailed letters to the 500 people who signed a petition for dissolution of LOID, asking them to vote against the bond issue.

LEWISTON ORCHARDS IRRIGATION DISTRICT BOND ELECTION IS TUESDAY

In favor: LOID officials are pushing for improvements

■ District wants to use \$5.2 million to drill new wells and build a new reservoir

By Mohsin Askari
of the Tribune

For decades now the Lewiston Orchards Irrigation District has been a beleaguered organization, shaken almost every year by an inability to provide enough irrigation water.

Irrigation water is untreated and is used for watering lawns and farms, as well as some washing and other such purposes.

The district management claims periodic drought and failure of its watershed in the Craig Mountains to generate sufficient water is the reason. Opponents say successive boards have been shortsighted and failed to pursue alternative sources.

The district is now seeking to raise \$5.2 million to improve irrigation water supply, with an election on its plan to sell bonds scheduled Tuesday.

These will be general obligation bonds, so two-thirds of those voting must approve the issue for it to be successful.

The district aims to drill up to four wells and build a new reservoir with the money.

If the issue is approved by voters, officials hope the first two wells will be producing water by spring of 1996, in time for that year's irrigation season. The remaining wells should be ready af-

ter summer of 1996.

According to LOID engineer Richard Wyatt, these four wells, together with the district's existing water sources, will be enough to meet irrigation water needs for the following five years at least.

In separate interviews supporters explained why Lewiston Orchards residents should vote for the bond issue, while opponents listed the reasons people should vote against it.

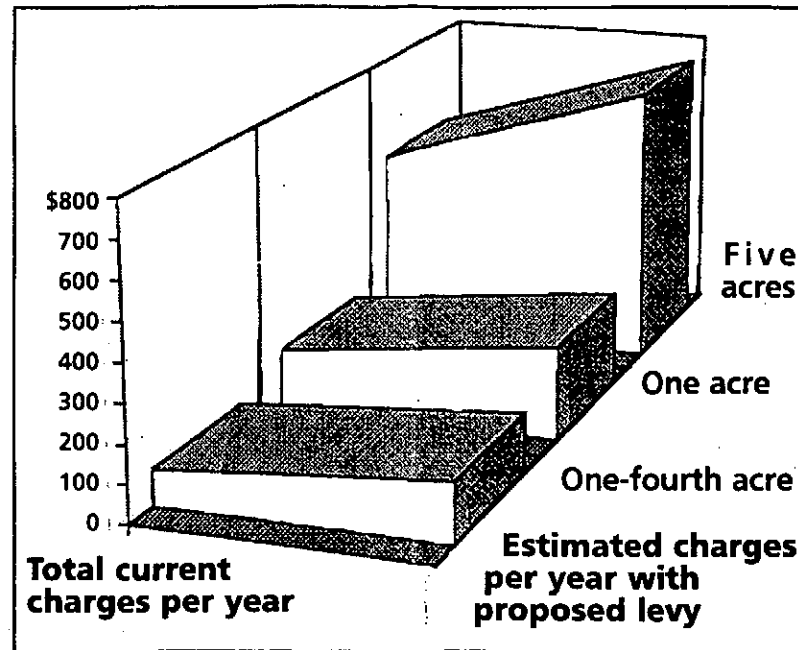
Representing the district were board members Robert Jones and Milton Lind, and Wyatt.

Wyatt opened the discussion by saying it is cheaper to obtain water from wells than from a river.

LOID's production cost, he said, is 40 cents for 100 cubic feet, or unit, whereas city of Lewiston staff said recently the city's cost is 69 cents a unit. This excludes transmission or administrative costs, although in the city's case it does include piping the water a short distance.

The main reason for higher cost for the city is that river water has to go through an expensive treatment process, which is not the case with well water.

The district has also circulated a comparison of water rates: Since no other city in the area supplies untreated water, LOID water for irrigation comes out much cheaper.



Tribune graphic/Michael Crater

Lewiston Orchards Irrigation District patrons now pay two fees, one \$74.16 per household and the other \$87.84 per acre. The district estimates to finance its proposed bond, patrons with a quarter of an acre would pay an additional \$61.13 per year, those with one acre an additional \$89, and those with five acres an additional \$237.64.

LOID's domestic water rates, which are higher than those in many cities were not compared.

More wells will also give the district flexibility.

If one of the two wells the dis-

trict now uses for domestic water breaks down it has to buy water from the city of Lewiston. With more wells being used for irrigation purposes all it will have to do is divert one or two to domestic

needs.

Jones also pointed out that last summer, when it was particularly hot and dry, LOID asked the city for water because there was a problem with one of its wells.

"It took the city half a day before they would agree to provide us water," he said. "They were maxed out."

Relying on a river alone could be risky, Lind said, in case it is contaminated.

Another point Jones brought out is that if the Orchards does not get more water soon the city may have to halt new construction.

Wyatt explained that applications for new subdivisions, which go to the city's planning and zoning department, also are referred to LOID. If the district indicates it cannot supply water to the subdivision the application will have to be turned down.

Although the district now produces enough water from its two wells to meet domestic water demand, it is approaching maximum capacity.

Wyatt said that on days when demand is at its peak the supply is barely sufficient to meet it, and there is less than 10 percent in surplus.

Part of the reason for increased demand for domestic water could be that more of it is being used. New developments on the fringes of the system are being provided domestic water only, for instance.

Referring to reports that the

city of Lewiston had obtained a permit last year for water from the Clearwater River intended specifically for the Orchards, Wyatt said the city still will have to go through the state's Water Resources Board before it can sell water to LOID.

"They cannot supply water today," he said, adding that it might take months or even a year to obtain the necessary permission.

Another compelling reason to vote for the bonds, Wyatt said, is that the district needs water within the next year. And the only way of obtaining it economically is to drill wells.

The city of Lewiston can provide up to 2 million gallons a day with improvements that will cost close to \$1 million. Providing more water on a regular basis will require more, and expensive, improvements, such as a larger treatment plant.

Each of the proposed wells, however, is expected to provide 1 to 2 million gallons a day, and the four together should meet 25 to 50 percent of average daily irrigation water needs — not peak demand, which is much higher.

Wyatt also questioned the view held by some people that money spent on wells will be wasted.

Eventually, when water is obtained from the Clearwater, the wells will figure in the final calculation.

"The wells will be part of the overall supply package," Wyatt said.

LOID

Voters say no to wells

■ Moore: They're telling us they are satisfied with the way things are

By Mohsin Askari
of the Tribune

History repeated itself in the Lewiston Orchards Tuesday when residents voted against a bond issue by the Lewiston Orchards Irrigation District.

Of the 3,103 votes cast only 968, or 32 percent, supported the bond issue, while 2,100, or 68 percent, voted against.

"The message is very clear from the people. They are telling us they are satisfied with the way things are now," LOID manager Randy Moore said after the results were announced.

"We have no choice but to continue with what we have. The people have elected not to fund the development of any new sources at this time."

Board member Robert Jones was surprised and disappointed.

"I think it was because of so many erroneous statements made by people in the committee which opposed us," he said.

LOID officials were hopeful the issue would be approved, especially because of what may have been a record voter turnout.

The district was aiming at raising \$5.2 million to drill four wells and build a storage reservoir to beef up its irrigation water system.

LOID has an adequate supply of domestic water, which it obtains from two wells, but irrigation water has run short most summers in recent years.

The water is obtained from surface runoff in the Craig Mountains. It is stored in reservoirs, two in the Waha area and Mann Lake on the outskirts of the Orchards, from where it is piped to consumers.

Drilling the wells would have been a beginning toward a long-term solution. According to officials the wells, along with water from the Craig Mountains, would have provided enough water for the next five years at least.

The bond issue faced organized opposition from a group of Orchards residents. The opponents recently lost a lawsuit in which they sought to force the board of di-

Lewiston Morning Tribune
8/29/95

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MAY 26 1995

Department of Water Resources

LOID

From 1A

rectors to call an election on dissolution of the district.

They have proposed construction of a pipeline to bring irrigation water from the Clearwater River. The city of Lewiston has a water right that will allow it to meet most of the Orchards' needs from the Clearwater.

The large turnout of voters meant officials had to take a long time to complete the formalities.

Some board members and vote counters arrived at the LOID offices at 8 p.m., which was when polls closed, but it was not until after 10 p.m. that the ballots got there from the Nez Perce County Fair Pavilion.

The ballots had to be counted at the pavilion before being moved, and were counted again at LOID offices before results were announced, after 11 p.m. The county auditor's office conducted the election.

The last time the district put a bond issue to the vote was in 1979, when it sought to raise \$6.9 million, also to obtain water from the Clearwater. Of the 2,041 votes cast then, nearly two-thirds voted against the bond issue.

John A.K. Barker, who is a member of the Lewiston City Council now, was chairman of the LOID board of directors at that time.

LOID board secretary Kathaleen Palmer said it was estimated that there were 10,000 eligible voters at that time. This time the number of eligible voters was estimated at closer to 15,000.

"It was a busy, busy day," she said of the polling. Three lines had formed by the time polls opened at 8 a.m.

MICROFILMED

AUG 21 1998

See LOID, Page 7A



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

May 16, 1995

Thomas A. Townsend
447 E. Eighth Street
Moscow, Idaho 83843-3013

Re: Permit 86-07324

Dear Tom:

Thank you for your letter of May 1, 1995, concerning the water supply and water rights of the city of Lewiston and the Lewiston Orchards Irrigation District. Your letter concludes with the following questions: "If LOID does hook up to Lewiston what does IDWR do about the existing water rights held by LOID? Will they be required to release some allocation since it will be now furnished by the nice guys in Lewiston?"

The answer to these questions will depend upon the particular facts involved. For example, if LOID hooked up to the city supply and used it exclusively for a period of years thereby either forfeiting or abandoning their own water supply, the LOID rights could be found by the courts (not IDWR) to have been lost. At the other extreme, if LOID hooked up to the Lewiston system, but continued to put to the authorized beneficial use all of the water from their own supply, the LOID rights would not be affected.

Likewise, the amount of water for which a license can be issued by IDWR to confirm the use of water under the city of Lewiston permit will depend upon the use of water developed in accordance with the permit conditions. If no water has been supplied to the LOID patrons under the conditions of the permit, the license will not authorize use. Any license issued will take into consideration the water supply available from other rights used for the same purposes, including those of the LOID if the city of Lewiston files proof of beneficial use indicating that the LOID patrons have been served under the Lewiston permit.

I see nothing incongruous about one entity holding a permit to supply water for another's patrons. The city of Lewiston or the city of Moscow in the example you have cited about Moscow and the University of Idaho, are logical sources of supply for emergency backup or for supplemental supplies for their neighboring systems.

MICROFILMED

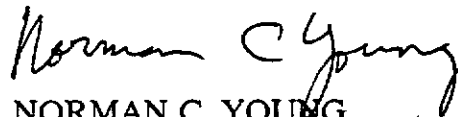
AUG 21 1998

Thomas A. Townsend
Page 2
May 16, 1995

LOID has pending an application for permit to appropriate 80 cfs from the Clearwater River. Processing of this application has been delayed by the present moratorium.

I appreciate your making the effort to keep me informed of the issues in your area. I will be happy to discuss these matters further with you.

Sincerely,



NORMAN C. YOUNG
Administrator
Water Management Division

c: Bob Haynes, IDWR Northern Region

MICROFILMED

AUG 21 1998

THOMAS A. TOWNSEND
447 E. EIGHTH STREET
MOSCOW, ID 83843-3013

1 MAY 1995

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MAY 04 1995

Department of Water Resources

Mr. Norman Young
Administrator, Resources Admin. Div.
Idaho Department of Water Resources
1301 N. Orchard Street/Statehouse Mail
Boise, Idaho 83720-9000

Tom. Ltr

Permit 86-07324

Dear Norm,

Enclosed are copies of two clippings relative to the LOID and City of Lewiston connection. Since your last letter of 23 December 1994 I have left the issue alone and refrained from writing, but I believe it is appropriate to bring some issues one again -

You noted "overlapping water rights from different sources are common --". The point I am trying to make is that two separate agencies now have water rights to provide service to the same client base. Lewiston included the LOID customer base when they filed the WR above yet LOID has not given up any existing water right that they currently hold nor do they seem ready to do so should Lewiston start pumping into their system.

What still bothers me is that the Lewiston WR application was on outside run on the process. Bud VanStone, the city engineer for Lewiston, comments in the article that Lewiston received an additional water right by adding in the Lewiston Orchards people who are currently served by LOID that has its own water rights - That doesn't seem logical and makes me wonder why IDWR ever approved the permit.

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AUG 21 1998

A parallel situation would be the City of Moscow and the University of Idaho. We both have separate water rights, both entities supply water to their own client base and the University of Idaho is an entity within the City of Moscow just as the LOID/orchards is enclosed by the City of Lewiston.

From the way IDWR has acted in Lewiston I assume either the City of Moscow could apply for additional water rights to cover the UI use at some point in the future. In the Moscow/UI scenario both entities use wells and presumably the same sources in terms of aquifer. If the UI never hooks up to Moscow how does Moscow demonstrate beneficial use of the additional water requested. If they do hook up I assume UI would not pump from its water rights and would lose their allocation because they are not demonstrating beneficial use.

Paragraph 4 of your letter notes the letter from LOID to Van Stare. It was not included to me as stated but I find the concept of "no negative impact" to be odd. Of course there is no negative impact to LOID because Lewiston has now additional water to bail out the LOID should their situation worsen.

As the adjudication process gets to Lewiston it should be interesting to see how the various existing permits for the Snake/Clearwater and proposed LOID demands for the Clearwater will be viewed by IDWR.

IF LOID does hook up to Lewiston what does IDWR do about the existing water rights held by LOID? Will they be required to release some allocation since it will be now furnished by the nice guys in Lewiston? Appreciate your response -

MICROFILMED
AUG 21 1998

LEWISTON CITY COUNCIL

4/25/95

Tue
MICROFILMED

AUG 21 1998

LOID ad was misleading, Van Stone says

■ City's water line is not the problem in connecting the two water systems, Lewiston public works director tells council

By Mohsin Askari
of the Tribune

A Lewiston Orchards Irrigation District advertisement printed Sunday is misleading in some respects, the city of Lewiston's public works director says.

Bud R. Van Stone was addressing the Lewiston City Council Monday afternoon, commenting on a water study commissioned by the two entities. Some components of the study are still to be completed, although preliminary results are available.

LOID's board of directors has set an election May 23 on a proposal to sell more than \$5 million in bonds to raise money for four wells and a reservoir. The advertisement in Sunday's Tribune was meant to provide information to the public.

Van Stone held to his view that the best solution for LOID's immediate problems is for the city to provide the Orchards domestic water.

The two wells LOID now uses for domestic water can then be converted to irrigation use, easing — though not solving — the problem.

He disputed LOID's assertion that the city's 12-inch water line, which connects the two systems, is not large enough for sufficient water to be piped. Van Stone said the bottleneck is actually the 8-inch pipe that leads from the end of the city system to the LOID system. This pipe is owned by LOID.

He also disputed the assertion that it will take LOID seven to 10 years to obtain a permit to draw water from the Clearwater River.

"The city already has a permit for 12 million gallons a day, which we got in 1994. The reason we got that large a water right was because of the residents of the Orchards and it was done in conjunction with LOID," Van Stone said.

This water is available immediately for LOID's use, he said, or as soon as a pipeline can be constructed.

He said the four wells proposed to be drilled will provide 5.7 million gallons a day at the most and cost more than \$5 million, including the cost of a reservoir. A pipeline to the Clearwater River, on the other hand, is estimated to cost \$10 million, provide 12 million gallons a day and be sufficient for all of LOID's needs when water from the Craig Mountain area is included.

It will be two or three years before water can be obtained if construction begins right away, Van Stone said, pointing out that residents there have an immediate need this summer.

For this summer he put forward the suggestion he has been making for the last couple of years: that LOID replace the 8-inch line, the city replace a booster pump, and LOID obtain its domestic water from the city.

This will not meet all its needs, but it will add 2 million gallons a day to the LOID system.

Council members did not comment on the water study, mainly asking questions. H. Manly MacDonald did say, however, that he does not believe in wells because "they become dinosaurs."

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MAY 03 1995

Department of Water Resources



LEWISTON RICHARDS IRRIGATION DISTRICT

Telephone
(208) 746-8235

March 20, 1995

Our customers have asked - and we want you to know the answers!

1. WHY DOESN'T LOID PURCHASE WATER FROM THE CITY?

The city's water system and our domestic water system are currently connected by a 12 inch water line that can only deliver about one million gallons of water per day. If that amount were pumped into our irrigation supply, it would only equal around 6% of our daily needs in the summer. If it were pumped to Mann's Lake, and no one used any water from that storage facility, it would take over one and one half years to fill the reservoir.

2. WHY DOESN'T LOID GO TO THE CLEARWATER RIVER RIGHT NOW INSTEAD OF DRILLING WELLS?

The process of going to the river is already under way. LOID has filed all the paperwork with the Idaho Department of Water Resources for a water right from the Clearwater River. Unfortunately, it will be seven to ten years before the department can consider any new applications for water from tributaries to the Snake River. This is due to a court process called "adjudication" that is reviewing some 200,000 existing water rights in the Snake River Basin. The Clearwater River is a tributary to the Snake. New wells and a 2 million gallon reservoir can develop the extra water needed to eliminate rationing and provide what we cannot get from our watershed on Craig Mountain. Voters in the LOID were offered an opportunity in 1979 to approve a project to obtain water from the Clearwater River, but it was rejected by a 2 to 1 margin.

3. WHY DOESN'T LOID REPAIR THE DAM AT MANN'S LAKE?

Estimates for various "fixes" on the dam to allow us to store more water in Mann's Lake range up to \$12,000,000. Repairing the dam is not a guarantee that we would be able to fill it up in drier years, because the supply is still Craig Mountain. No grant money is available from the state or federal government for this work. As much as we would like to have the additional storage capacity, water SUPPLY is a higher priority. Considering the deteriorating yield from our watershed, the new wells offer a much better promise of meeting our long term needs, and therefore a better investment.

4. HOW DO I FIND OUT MORE?

Two public information meetings are scheduled to allow you to see and hear what we need to do. You are invited to attend the following meetings and get YOUR questions answered:

THURSDAY, APRIL 27, 1995

**SACAJAWEA JR. HIGH SCHOOL GYMNASIUM
3610 12TH STREET, 7:00 P.M.**

SATURDAY, MAY 13, 1995

**SACAJAWEA JR. HIGH SCHOOL CAFETERIA
3610 12TH STREET, 10:00 AM - 8:00 PM**

5. WHEN DO WE VOTE?

The election for the new wells is scheduled for May 23, 1995 at the Nez Perce County Fair Building, 1229 Burrell Avenue. Voting hours are 8:00 AM to 8:00 PM. Absentee ballots will be available at the LOID office beginning May 1, 1995. Your support is appreciated now and will make a BIG difference for the future.

Sincerely,
LOID Manager and Board

MICROFILMED
AUG 21 1996

4758470W

MEMORANDUM

To: Norman C. Young

From: L. Glen Saxton *LS*

RE: APPLICATION FILED BY LEWISTON ORCHARDS IRRIGATION DISTRICT

Date: April 25, 1995

Last week, I discussed with Bob Haynes the attached application filed by Lewiston Orchards Irrigation District (LOID) to divert water from the Clearwater River. I learned the following:

1. If the existing waters of LOID are conveyed or relinquished by LOID to the Nez Perce Indians, the Indians likely would use the water for non-consumptive uses such as improvement in stream flow for anadromous fish flows. Improved flow in Sweetwater Creek was mentioned.

2. Transfers of water right as we define the word "transfer" likely would not be involved in the transactions. i.e. the Indians likely would not file transfers with the department to change the nature of use of the irrigation rights and the LOID likely could not file transfers to preserve their dates of priority.

3. Haynes does not think there would be much difference in the return flow to the Snake and Clearwater Rivers whether the water is diverted from the Craig Mountain watershed or directly from the Clearwater River. One difference, however, would be that the Clearwater River would likely provide a more consistent supply of water.

4. Haynes says a 1995 priority on the Clearwater River at the proposed point of diversion is good with respect to other water rights on the Clearwater River.

When Haynes is here on Wednesday and Thursday of this week, you may wish to further discuss the application with him.

MICROFILMED
AUG 21 1998

Memorandum

RECEIVED

APR 06 1995

Department of Water Resources

Wdy
To: Norm Young & Glen Saxton

From: Northern

Date: March 16, 1995

Subject: Lewiston Orchards Irrigation District Application for Permit

Please find a copy of the Application for Permit which was submitted by the L.O.I.D. This filing was submitted in conjunction with negotiations with the Nez Perce Tribe's claim to water rights from the Craig Mountain water shed. At this time, L.O.I.D.'s position is that they would like file a new Application for Permit to divert water from the Clearwater River and transfer their existing Craig Mtn. rights to the Nez Perce Tribe.

This filing does not meet the criteria which exempts it from the Moratorium on the Clearwater River and requires approval by the Director.

After the Application was submitted, we requested that L.O.I.D. submit a response to Water Appropriation Rule ~~4,5,3~~, which they did. However, at this early stage of planning and development they were not able to address some of the items. *use new rule designation*

With consideration of the Moratorium, please advise Northern Region if this filing should be advertised and considered for approval. Also, if the response to Rule ~~4,5,3~~, is inadequate at this time, please provide us with a list of items should be covered further.

Water app

40.05.C.

*Glen -
Let's discuss*

Wdy

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NOTES

New Application for Permit filed by Lewiston Orchards

- Moratorium prevents approval of most new consumptive use applications.

- ? on transferring water rights to the Nez Perce Tribe.

- Can a water user (LOID) make a deal with a foreign nation (tribe) without some sort of higher approval such as State or Federal approval or congressional concurrence?

- (- What is the nature of the trade. With the traded water rights be diverted on Craig Mountain for a consumptive use or be left for instream flow purposes?

- Do transfers need to be filed with the department by the Indians?

- The priority of use out of the Clearwater River would be 1995 if approved.

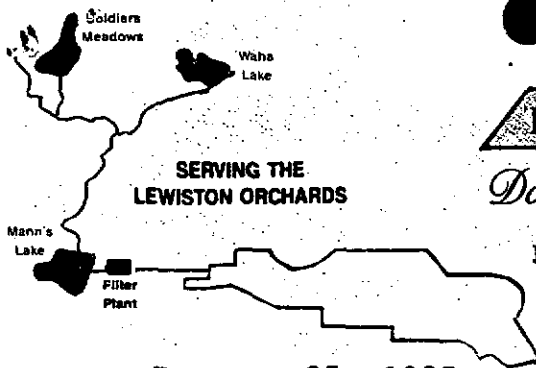
- Approval could be considered under item 7 of the moratorium i.e. case by case basis.

- Protection and furtherance of the public interest.

- No effect on fish migration due to specific factors.

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RECEIVED

JAN 31 1995

LEWISTON ORCHARDS IRRIGATION

Domestic and Irrigation Water

DISTRICT

1520 Powers Avenue

(208) 746-8235

Lewiston, Idaho 83501

January 25, 1995

Mr. Allen Beardslee
Sr. Water Resource Agent
Idaho Department of Water Resources
1910 Northwest Blvd., Suite No. 210
Coeur d' Alene, ID 83814

DRAFT

RE: Application for permit

Dear Mr. Beardslee:

This letter is in response to your January 18, 1995 letter regarding Rule 4,5,3. We are still in negotiations with the Nez Perce Indian Nation regarding transference of existing water rights on the Craig Mountain water shed. Do to the nature of the negotiations, a specific date has not been established at this time for the conclusion of the negotiations.

We are requesting an extension on the February 19, 1995 deadline for completing the requirements set forth in Rule 4,5,3 of the IDWR Water Appropriation Rules and Regulations. Included is a list by paragraph of Rule 4,5,3 answering each paragraph as they apply or requesting an extension on the date this information needs to be made available.

We have also included a list of officers of the LOID Board of Directors for 1995. Please feel free to contact me at the above address. Thank you.

Sincerely,

Randy Moore
District Manager,
Lewiston Orchards Irrigation District

RM-LOID/sss-WE

encl: List of Rule 4,5,3
List of Officers
Clearwater River Flowrates

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List of Rule 4,5,3

- 4,5,3,1. Information relative to the effect of existing water rights, Section 42-203A(5)(a), Idaho Code.
- 4,5,3,1,1. Not applicable
- 4,5,3,1,2. Not applicable
- 4,5,3,1,3. Request extension

- 4,5,3,2 Information relative to sufficiency of water supply, Section 42-203A(5)(b), Idaho Code
- 4,5,3,2,1. See Water Right Application
- 4,5,3,2,2. See attached List (Clearwater River Flowrates)

- 4,5,3,3. Information relative to good faith, delay, or speculative purposes of the applicant, Section 42-203A(5)(c), Idaho Code.
- 4,5,3,3,1. The Lewiston Orchards Irrigation District will pursue the needed easements, right-of-way, and deeds needed for the completion of this project when it is near conclusion of the negotiations that the LOID is currently holding with the Nez Perce Indian Nation.
- 4,5,3,3,2. The LOID will submit copies of all applications for other needed permits, licenses and approvals, needed to complete this project. The IDWR, Northern Region Office will be kept apprised of the status of the necessary applications for this project.

- 4,5,3,4. Information relative to Financial Resources, Section 42-203A(5)(d), Idaho Code.
- 4,5,3,4,1. Request extension
- 4,5,3,4,2. Request extension

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- 4,5,3,5. Information relative to Conflict with the Local Public Interest, Section 42-203A(5)(e), Idaho Code.
- 4,5,3,5,1. All entities including but not limited to; County of Nez Perce; City of Lewiston; Idaho Department of Fish and Game; and Idaho Department of Health and Welfare, Division of Environmental Quality; have been or will be solicited for comment in regards to this project as it develops.
- 4,5,3,5,2. Request Extension
- 4,5,3,6. Information relative to the Public Interest Criteria of Section 42-203C(2), Idaho Code. This pertains to reallocation of trust water in the Snake River.
- 4,5,3,6,1. Not applicable
- 4,5,3,6,2. Not applicable
- 4,5,3,6,3. Not applicable
- 4,5,3,6,4. Not applicable
- 4,5,3,6,5. Not applicable
- 4,5,3,6,6. Not applicable
- 4,5,3,6,7. Not applicable

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AUG 21 1998

CLEARWATER RIVER FLOWRATES

WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SE
1	2911.724	3129.504	3778.807	3159.774	3076.886	4744.789	7823.104	35957.79	14756.78	7696.221	4512.490	2884.026
2	2896.955	3193.938	3897.456	3401.021	2686.099	6500.764	8407.103	35213.60	17330.22	7375.716	3786.242	2961.900
3	2858.764	3408.032	3876.307	3566.346	2582.591	8170.051	9544.959	34596.73	15425.72	7214.473	3687.591	2902.831
4	2852.119	3115.433	3717.493	4171.939	2704.393	9358.407	12836.07	35060.02	15140.08	7000.766	3584.738	2957.859
5	2833.272	3373.072	3637.606	4395.329	2934.612	10935.54	12615.62	36179.01	15140.08	6576.787	3493.548	3138.573
6	2817.772	3320.588	3530.843	4812.287	2872.002	9786.076	11558.04	37532.04	15140.08	8907.530	3467.686	3552.091
7	2818.375	3136.306	3301.602	4440.288	8863.845	8278.187	12374.81	29787.38	14728.81	18498.97	3467.602	3387.154
8	3614.019	3055.906	3248.521	3986.384	10490.06	7272.279	12116.90	32904.88	13300.98	23188.13	3381.581	3181.549
9	3935.596	3094.392	3262.817	3817.376	3613.592	6543.933	11186.81	35276.27	12203.19	25459.10	3404.436	3090.175
10	3503.394	2959.458	3472.404	3739.235	2971.747	6146.964	10812.33	30993.04	11117.67	25120.94	3499.012	3035.116
11	3195.601	2909.023	3488.771	3745.760	3124.090	5957.748	10654.54	30068.49	10341.46	24830.16	3300.000	3023.466
12	3097.914	2989.119	3552.736	3794.023	3292.651	5824.719	10700.28	32299.68	10101.19	24570.32	3300.000	3000.027
13	3053.938	2886.786	3639.176	4071.273	3319.876	5637.376	12111.64	39519.71	10415.34	24382.23	3303.487	2871.163
14	3040.060	2861.261	3472.726	4500.554	3283.011	5624.506	13068.72	34678.03	21700.40	24208.71	3323.996	2822.907
15	3121.139	3003.013	3336.961	4905.649	3264.315	5944.051	12453.82	34856.40	19731.37	24555.31	3250.938	2844.533
16	3387.478	2933.453	3245.278	4858.234	3518.730	6702.142	10905.42	40587.56	17090.95	26438.55	3180.163	2869.147
17	3502.795	2888.383	3209.227	4645.293	3211.604	7708.992	12070.70	38437.95	18555.48	26675.55	3166.746	2876.460
18	3402.996	3046.608	3163.760	4370.769	3255.501	8036.192	16428.00	39409.84	16357.85	29277.55	3118.550	2861.080
19	3290.656	3122.150	3114.962	4153.809	3371.180	8405.224	22489.02	37208.94	14832.06	29040.63	3059.632	2832.207
20	3220.514	3033.288	3090.881	3970.720	3327.440	8236.416	28281.87	36936.44	13873.90	28884.62	3033.679	2805.506
21	3207.027	2882.735	3086.761	3795.042	3224.437	7656.862	31173.55	37011.25	13081.66	28108.66	3012.045	2708.377
22	3180.071	2862.559	3028.267	3718.557	3217.417	7573.225	34468.00	36934.55	12452.42	28624.15	2982.491	2720.635
23	3125.977	2928.534	2967.193	3662.752	3276.230	7072.426	38357.60	35872.79	11839.00	28466.10	3014.663	1637.489
24	3092.113	2907.547	2923.869	3695.909	3482.960	6677.031	32516.42	35336.34	11148.97	28374.33	3020.125	---
25	3047.266	2378.821	2788.727	3689.188	3457.154	6306.535	31535.34	35367.99	10358.28	28024.04	3359.039	---
26	3005.984	2087.277	2565.994	3678.959	3408.077	6091.626	28337.17	35646.27	9733.372	27852.56	2967.861	1518.342
27	2976.946	1973.116	2605.262	3664.740	3495.874	6032.168	23973.86	35696.98	9613.201	27879.06	2938.878	---
28	2962.176	2126.859	2970.668	3628.149	4049.182	6098.798	25313.43	24754.73	9252.783	28008.26	2894.151	---
29	3112.622	2905.638	3074.023	3565.050		6306.098	35528.06	20725.51	8509.865	27405.77	2872.201	---
30	3550.246	3493.051	2966.704	3444.726		6660.488	36727.41	19301.96	8071.833	18300.64	2883.943	2434.192
31	3319.877		2996.179	3283.259		7118.970		15738.73		9843.568	2866.973	
TOTAL	97935.38	88005.84	101012.0	122332.4	103375.5	219408.6	576370.7	1039891.	401345.0	680789.4	101134.5	70856.82
MEAN	3159.206	2933.528	3258.451	3946.206	3691.98	7077.70	19212.36	33544.87	13378.17	21960.95	3262.403	2834.273
MAX	3935.596	3493.051	3897.456	4905.649	10490.06	10935.54	38357.60	40587.56	21700.40	29277.55	4512.490	3552.091
	(9)	(30)	(2)	(15)	(8)	(5)	(23)	(16)	(14)	(18)	(1)	(6)
MIN	2817.772	1973.116	2565.994	3159.774	2582.59	4744.79	7823.10	15738.73	8071.83	6576.79	2866.973	1518.342
	(6)	(27)	(26)	(1)	(3)	(1)	(1)	(31)	(30)	(5)	(31)	(26)

WATER YEAR 1994 TOTAL 3602457. MEAN 10006.83 MAX 40587.56 MIN 1518.34

CLEARWATER RIVER FLOWRATES

SPDI QD

WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3598.470	3729.218	3521.170	3296.202	3710.556	3356.961	13348.04	31027.31	37883.29	20984.87	18990.83	38441.115
2	3490.284	4127.913	3420.536	3173.536	3690.355	3415.139	14485.49	29664.58	38840.67	21339.68	25721.87	3731.860
3	3379.809	4795.919	3433.583	3112.559	3517.247	3434.539	15794.50	31100.08	34040.36	21694.49	27639.86	3620.948
4	3305.633	4272.517	3235.191	3082.542	3486.003	3473.954	17789.34	41713.34	30536.55	22049.30	27390.92	3568.695
5	3705.732	3870.731	2519.639	3680.326	3476.340	3731.166	19845.04	41045.66	24815.17	22404.11	27530.09	3519.027
6	3640.669	3768.552	2170.863	8021.174	3502.063	5110.554	18325.14	36516.17	23240.09	22758.92	28572.30	3464.924
7	3407.816	3734.082	2350.420	3114.290	3610.402	6895.446	16561.37	40394.80	25557.52	23113.73	22584.79	3415.137
8	3336.986	4105.716	3191.496	2711.737	3740.382	8170.935	16658.88	38267.62	36633.01	23468.54	20535.67	3384.864
9	3166.965	4733.554	3570.186	2841.168	3800.566	8259.296	16074.34	36031.04	29396.56	23823.35	17063.23	3328.135
10	3093.348	4517.374	3696.783	2905.372	3913.239	8510.491	17154.32	32944.16	27319.39	24178.16	13697.55	3280.896
11	3043.021	4106.512	3637.927	10812.42	4283.171	8131.655	17449.46	33592.25	28334.35	24532.97	13498.14	3235.290
12	2994.348	3816.879	3619.133	11518.85	4523.730	7522.155	15728.11	41113.81	30754.14	24887.78	13423.88	3184.933
13	2975.672	3699.831	3474.634	10067.24	4744.028	6887.918	14164.34	51583.02	30879.51	25242.59	9958.430	3326.833
14	3002.968	3844.017	3396.594	3281.271	4774.044	7047.435	13396.62	58421.05	27096.06	25597.40	5376.316	3396.795
15	3421.511	3909.356	3355.398	3927.285	4677.311	10504.31	19912.39	64722.94	26532.93	25952.21	4339.496	3384.308
16	3300.848	3835.728	3319.785	3496.487	4174.159	12975.74	20905.94	68070.39	26114.68	26684.88	5024.138	3329.742
17	3151.598	3816.792	3285.692	3415.776	6639.635	8049.050	20347.52	64190.86	28515.77	26585.57	5518.623	3359.712
18	3103.759	3781.812	3216.542	3296.537	5114.947	12837.22	21178.67	61951.11	25232.55	26730.71	5413.085	3298.193
19	3156.186	3844.091	2902.364	3189.063	3554.176	16267.18	23667.54	63994.66	21159.34	25536.56	5122.542	3219.389
20	3138.649	3910.344	2905.541	3735.046	4224.788	16743.33	21923.75	64355.57	22305.29	21271.18	4727.251	3164.539
21	3066.982	3812.251	3278.558	3394.589	4107.009	17665.50	21019.20	65402.82	22079.73	20152.21	4535.966	3147.803
22	3053.027	3750.513	3299.364	3545.443	3930.416	15024.68	21023.34	62517.89	21854.17	18350.91	4577.430	3147.803
23	3069.291	3878.517	3331.723	3541.293	3706.558	14774.91	21754.28	54010.47	21628.61	18226.21	4668.069	3122.932
24	3050.241	3999.807	3463.461	3466.984	3581.944	17756.49	21723.35	42045.62	21403.05	18881.63	4429.909	3099.323
25	2979.339	3521.385	3475.355	3424.509	3509.519	17471.56	21609.60	38115.49	21177.49	18655.78	4184.036	3069.565
26	2937.919	2907.997	3457.717	3609.921	3365.266	16819.63	25256.56	48431.01	20951.93	22946.96	4056.517	3037.636
27	2889.834	2534.013	3433.265	4110.603	3253.782	17693.21	22600.76	55611.71	20726.37	22003.63	3959.578	3019.215
28	2848.310	2743.772	3403.649	4140.492	3295.640	17901.96	20791.14	47394.54	20500.81	16973.61	3925.336	---
29	2855.994	3929.356	3389.014	4082.953		16725.85	20461.31	48308.43	20275.25	16043.79	3892.078	---
30	3044.691	3803.856	3355.713	3994.546		15655.06	26836.76	44283.00	20630.06	15474.08	3948.081	---
31	3350.837		3314.076	3850.379		14141.06		36879.28		15087.27	4001.877	
TOTAL	98560.73	115102.4	101425.4	133840.6	111907.3	342954.4	577787.1	1473701.	786414.9	681633.1	348307.9	89702.60
MEAN	3179.378	3836.747	3271.787	4317.44	3996.688	11063.04	19259.57	47538.73	26213.83	21988.17	11235.74	3322.319
MAX	3705.732	4795.919	3696.783	11518.85	6639.635	17901.96	26836.76	68070.39	38840.67	26730.71	28572.30	3844.115
	(5)	(3)	(10)	(12)	(17)	(28)	(30)	(16)	(2)	(18)	(6)	(1)
MIN	2848.310	2534.013	2170.863	2711.74	3253.782	3356.96	13348.04	29664.58	20275.25	15087.27	3892.08	3019.215
	(28)	(27)	(6)	(8)	(27)	(1)	(1)	(2)	(29)	(31)	(29)	(27)
WATER YEAR	1993 TOTAL	4861338.	MEAN	13429.11	MAX	68070.39	MIN	2170.86				

CLEARWATER RIVER FLOWRATES

92 Clw

13342500 CLEARWATER RIVER AT SPAULDING, IDAHO

QD QD WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

SEMED
AUG 21 1998

AY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1	3555.98	2965.04	7850.80	4420.90	5968.05	8360.28	8218.89	39919.10	23704.02	5317.84	3377.38	3398.92
2	3062.01	3104.87	7647.80	4352.73	5980.91	8592.56	8840.10	35169.67	23083.22	5406.13	3300.33	3406.48
3	2990.60	3307.41	9967.24	4148.98	5847.75	9118.51	9913.19	32261.51	22781.26	5833.69	3213.73	3404.82
4	2971.34	3084.26	12415.63	4053.89	5452.95	9579.64	11685.82	31677.98	21905.43	5389.36	3106.63	3527.81
5	2957.00	3308.97	12435.93	4188.07	5050.49	10187.85	13122.72	32531.93	31910.93	11953.94	3075.62	3623.66
6	2956.59	5053.13	12901.61	4227.01	4711.53	9819.24	11856.78	32959.24	33379.36	14428.93	3063.30	4005.49
7	2980.31	5905.33	14675.60	4289.03	4533.62	9217.33	10673.46	35756.31	33072.58	14705.10	2981.94	4115.38
8	2985.90	4901.83	13909.16	4231.08	4474.36	9114.55	9688.58	36346.61	32126.84	15754.86	3314.64	3953.61
9	2970.94	4294.69	12993.38	4115.82	4453.56	8875.70	9445.34	36435.29	26890.17	15273.78	3404.91	3704.45
10	2962.76	4794.92	10063.45	4080.32	4375.87	8476.46	11593.44	32726.03	9996.53	14941.50	3428.52	7162.49
11	2957.39	4786.98	6271.98	4107.99	4300.96	8049.44	15078.03	29727.23	8315.86	14621.56	3418.75	12866.68
12	2948.48	4320.85	8782.92	4091.05	4351.73	7803.50	13473.72	20499.73	8328.47	7659.81	---	12588.04
13	2956.79	5185.96	6303.20	4126.58	4386.99	7731.95	13282.41	17069.24	8491.16	5209.77	3280.89	12534.09
14	2937.72	7170.45	5844.53	4101.07	4544.32	7856.88	14285.95	35920.82	9351.79	4835.82	3244.47	12636.84
15	2922.34	5671.11	5124.59	4079.43	4756.70	8230.47	15545.10	39619.37	8727.74	19751.11	3242.27	12703.55
16	2911.55	4875.14	4531.22	4146.84	4824.34	8869.30	15289.19	40230.37	7802.80	23700.83	3263.02	12557.96
17	2938.30	4181.88	4191.36	4199.12	4807.66	9875.99	15129.05	22528.69	7659.91	23510.27	3265.91	12530.15
18	2946.44	5582.12	4333.07	3419.08	4682.76	11608.76	20312.11	17454.69	7988.42	15037.39	3501.44	12511.73
19	2971.35	8674.01	4898.51	3084.28	4759.71	10689.88	19057.45	18790.47	7142.69	5366.31	3789.42	12406.34
20	3001.71	10285.91	5415.11	2835.69	7954.62	9803.14	17316.44	21033.70	6598.88	3803.11	3815.03	9094.48
21	2984.92	10789.23	4718.79	2575.52	10360.67	9190.80	16369.85	28147.64	6518.49	4268.31	3750.80	2642.76
22	3009.47	10352.81	4521.02	2565.30	10052.10	8666.50	24428.09	26492.45	6048.53	4926.28	3839.62	2615.78
23	3102.51	8047.09	4525.24	2939.71	9944.72	8254.65	27119.64	24880.88	5702.86	4855.10	3868.90	2596.98
24	3197.36	7662.07	4663.27	3424.92	10012.68	8028.54	25653.19	24640.38	5390.11	5098.23	4430.34	2697.12
25	3168.14	7709.07	4607.44	3914.85	10135.99	7827.27	24693.12	25033.03	5124.09	5029.55	4283.53	3613.98
26	3163.36	9646.67	4464.50	4105.07	9416.79	7767.77	24498.48	28169.64	4954.59	4438.04	3805.42	6632.51
27	3256.61	9992.63	4296.72	3921.11	8916.24	7859.85	19067.50	31469.64	5478.78	4107.74	3664.16	5339.38
28	3430.18	9318.29	4112.57	5075.83	8564.14	8276.18	18223.27	28804.14	5345.45	3859.66	3580.92	4263.66
29	3345.95	8700.26	4067.12	6584.59	8396.65	8208.77	20887.28	26317.96	5116.72	3678.79	3533.72	4022.20
30	3222.79	8261.87	4109.08	6791.98	---	7861.93	25521.63	26194.15	5434.22	3538.25	3487.81	3781.36
31	3089.47	---	4311.19	6249.21	---	7810.92	---	24854.32	---	3452.07	3440.87	---

TOTAL	94856.27	191934.88	218954.02	128447.05	186018.88	271614.59	490269.84	903662.06	394371.94	279753.09	104774.29	200938.73
MEAN	3059.88	6397.83	7063.03	4143.45	6414.44	8761.76	16342.33	29150.39	13145.73	9024.29	3492.48	6697.96
MAX	3555.98	10789.23	14675.60	6791.98	10360.67	11608.76	27119.64	40230.37	33379.36	23700.83	4430.34	12866.68
MIN	2911.55	2965.04	4067.12	2565.30	4300.96	7731.95	8218.89	17069.24	4954.59	3452.07	2981.94	2596.98

FR YR 1992 TOTAL 3465595.75 MEAN 9494.78 MAX 40230.37 MIN 2565.30

CLEARWATER RIVER FLOWRATES

13342500 CLEARWATER RIVER AT SPAULDING, IDAHO

QD QD WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5339.87	4674.15	14458.16	12632.03	11346.66	9813.24	6357.75	37596.48	35836.17	30443.86	4970.06	2666.86
2	3331.21	5452.64	13691.51	12921.08	8212.72	9455.60	7802.30	37173.87	40033.60	26158.94	6015.12	2589.32
3	3437.09	4715.67	13613.25	12936.51	8702.33	10865.25	10962.78	36722.35	41928.86	24542.99	4839.77	4346.23
4	3611.31	4389.52	13554.84	12907.45	8690.79	12603.69	12818.05	36159.32	40782.03	22250.14	3740.06	10727.48
5	4282.52	6912.04	14953.97	12838.23	10030.43	14072.80	13436.47	30025.84	33191.02	20971.44	4883.09	10700.92
6	4466.58	8955.10	20088.79	12722.78	10130.93	13316.17	16386.39	21757.51	31544.87	18741.31	5363.37	10707.44
7	4465.09	7977.12	19555.40	12720.09	9595.51	11807.50	17836.82	23404.63	36224.92	16942.21	4466.06	10736.70
8	5641.71	7356.93	18936.14	12886.37	9132.09	10383.13	16495.82	27289.43	32457.11	15916.55	5039.92	10717.03
9	5416.56	7209.93	18846.51	13056.18	8031.33	10245.46	15117.68	37431.58	29487.61	14851.05	4128.61	10735.38
10	5353.80	6038.37	19518.77	13140.63	7562.15	9787.95	15751.09	34135.85	33096.57	17784.03	3198.45	10735.38
11	5330.61	5594.17	23187.62	13128.61	8379.59	9915.35	14185.07	31367.64	40234.96	17390.82	3078.86	10735.38
12	5398.37	5579.68	22941.05	13304.73	7979.90	9967.83	12978.93	35996.87	37893.68	16748.42	3165.25	10735.38
13	5421.88	5282.02	19567.04	15001.90	7865.17	11119.68	11994.09	42199.28	33606.49	15096.55	3174.59	10861.60
14	5590.58	5279.68	14546.54	17374.67	9020.56	11710.35	11430.07	38440.04	30158.51	10861.29	3122.16	10907.30
15	5447.24	---	14025.00	22608.69	10330.30	11220.16	11626.95	42702.90	26885.29	10681.68	3064.01	10922.21
16	4454.41	5454.69	13312.56	21522.80	11328.39	10798.34	11561.19	43887.48	24309.04	8671.10	5741.10	10542.36
17	5436.45	5084.96	13170.55	19602.86	14683.26	10465.14	11018.79	45711.59	23885.86	7308.99	11103.87	10966.29
18	5403.25	4825.68	13246.26	18881.18	13603.95	10277.75	10853.82	52408.70	23166.15	6987.31	11109.19	10757.74
19	4885.84	4922.97	13696.31	18028.78	12367.63	10150.82	10792.37	58518.73	26107.50	6818.02	11146.03	10852.37
20	5563.91	4930.00	12144.29	16665.99	13766.83	10197.37	10932.04	48292.82	27841.94	6341.14	11134.55	9929.42
21	5042.20	4873.27	15618.62	15600.05	16762.95	10422.45	11635.77	42684.95	30248.61	6027.40	10277.89	10768.64
22	5488.00	4822.98	20202.72	14893.50	15809.24	10228.29	13005.99	42067.58	25601.80	5838.34	3735.68	10777.85
23	7487.70	5022.00	11119.25	14541.98	14030.97	10046.17	14690.02	45169.08	24629.05	6614.39	2812.74	10818.53
24	5938.73	5304.68	11659.28	14630.06	12649.39	9853.11	17129.49	45189.91	25888.84	7920.97	2762.26	10818.53
25	5200.95	6756.14	12314.01	14314.51	11464.14	9850.68	19504.72	42678.96	28571.55	7561.47	2744.63	10816.78
26	4954.88	15632.43	12756.68	13763.80	10588.99	9868.32	27828.47	37877.81	29583.78	7146.42	2699.80	10850.11
27	5218.36	16696.41	13264.34	13568.88	10134.49	7950.70	39908.00	31097.84	27336.75	5358.59	2651.95	10901.95
28	5515.12	15396.15	13322.49	13881.59	9904.22	6401.41	38219.99	29158.16	24864.89	4676.76	2728.61	---
29	5274.18	14764.29	12917.63	13478.07	---	6108.08	37363.11	33152.19	25185.01	5806.08	2986.87	---
30	4685.15	14600.52	12416.70	13167.36	---	6022.62	37313.74	34338.58	25939.09	5157.77	3243.72	---
31	3918.08	---	12292.76	11913.48	---	5996.43	---	36265.28	---	4089.92	2924.16	---
TOTAL	157001.67	214504.20	474939.03	458634.88	302104.94	310921.88	506937.88	1180903.25	916521.50	381705.94	152052.42	267625.19
MEAN	5064.57	7396.70	15320.61	14794.67	10789.46	10029.74	16897.93	38093.65	30550.72	12313.09	4904.92	9912.04
MAX	7487.70	16696.41	23187.62	22608.69	16762.95	14072.80	39908.00	58518.73	41928.86	30443.86	11146.03	10966.29
MIN	3331.21	4389.52	11119.25	11913.48	7562.15	5996.43	6357.75	21757.51	23166.15	4089.92	2651.95	2589.32

WTR YR 1991 TOTAL 5323853.00 MEAN 14747.52 MAX 58518.73 MIN 2589.32

91 Clw

MICROFILMED

Aug 21 1998

CLEARWATER RIVER FLOWRATES

13342500 CLEARWATER RIVER AT SPAULDING, IDAHO

89
90 C/w

QD QD WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4528.93	3754.02	4364.49	4792.13	4005.75	11487.83	13718.34	23370.59	48562.44	---	4788.40	5312.28
2	3819.53	3713.66	6606.28	4819.22	3931.25	9924.16	15267.35	22125.64	48073.85	---	4604.50	2828.91
3	3661.60	3657.41	6851.55	4745.39	3875.37	10049.56	17773.98	22042.55	42618.99	---	4784.92	2756.84
4	3831.39	3634.12	7222.56	4582.40	3842.71	10674.02	20529.22	22575.27	45715.86	13940.23	4412.53	5103.16
5	3848.69	5891.20	9418.15	4564.88	3817.49	11116.10	21270.84	27340.88	46540.23	14672.66	4263.88	8867.00
6	3729.67	7258.76	13514.41	4637.50	3692.55	10760.13	20938.59	29918.62	41750.58	13843.91	5378.20	8862.52
7	3538.06	5823.24	8725.15	4994.39	4667.13	10028.72	20272.01	33043.55	46152.50	10298.90	5653.98	9215.47
8	3421.81	6303.38	7328.79	7290.34	4701.25	11197.69	20606.33	46308.39	41426.54	10864.61	3607.33	11198.04
9	3396.27	6605.08	6966.90	8951.12	4736.54	12573.32	20980.83	44343.09	36485.26	11018.59	3153.84	11109.54
10	3416.58	7518.15	6689.44	8006.30	7065.34	13336.56	20391.84	41283.24	38712.35	10064.16	3088.43	11014.28
11	3530.94	9015.58	6072.49	8364.14	11661.66	14942.10	19740.44	38056.84	45286.76	9570.11	3104.16	10985.34
12	3730.86	8952.51	5985.01	7283.00	13252.05	17867.68	20023.23	42821.14	44075.71	9888.96	3079.01	10924.89
13	3751.64	7847.82	5846.53	7088.61	14074.65	17079.26	20827.06	42976.55	41182.06	12778.93	3297.55	10420.57
14	3559.26	6765.30	8370.43	7026.46	15634.85	16479.76	21292.98	43285.43	38908.15	8642.50	3583.47	10780.00
15	3524.55	6753.22	8352.26	6412.13	14697.46	---	32377.52	43002.74	29991.22	7020.07	3147.72	10797.76
16	3263.75	6032.97	6549.22	6005.68	14247.64	---	32870.71	18297.79	27756.58	7159.61	2715.44	10784.69
17	3068.63	4675.43	5727.15	5610.82	14428.04	---	33184.91	16531.57	27345.26	5736.67	2621.00	10765.80
18	3053.00	4800.31	5435.90	5359.87	14241.16	---	33048.47	16224.68	27256.13	6230.93	2655.00	10780.00
19	3160.90	5590.35	6048.46	4912.46	13664.29	---	32619.50	16606.07	27920.39	7952.69	2912.80	10780.00
20	3460.65	5533.81	7415.33	5113.02	13339.04	---	31927.19	16191.83	28389.03	7188.42	4840.04	10780.00
21	3503.63	5443.70	6099.65	4824.40	13417.55	---	33223.53	17149.19	28386.06	5791.31	5629.61	10507.76
22	3578.72	5467.58	6357.03	5367.81	13826.66	---	35549.06	16842.26	29286.23	5465.78	4452.66	10425.67
23	3845.24	5449.00	5855.03	5817.93	13967.60	---	38954.70	18395.32	25719.45	5338.07	5454.15	10779.05
24	3999.58	5296.24	5250.06	5642.48	14615.81	---	38948.72	27844.78	26651.98	5270.45	6312.62	10780.00
25	3968.96	5546.86	5302.16	5091.25	15334.69	---	33692.90	42052.95	28883.90	5587.28	4465.32	8776.20
26	3892.62	5470.94	5026.87	4232.00	15931.53	---	31273.94	35769.13	28778.38	8917.76	3865.61	10768.19
27	3814.48	5376.83	4699.13	4204.79	15959.02	---	28299.41	32620.79	27024.21	8618.63	4337.63	10766.12
28	3975.17	5301.42	4565.94	4062.60	15862.26	---	32382.46	32337.70	26582.15	6885.61	4438.54	10824.60
29	4144.20	4943.01	4575.09	4098.66	---	12637.62	30008.35	50600.46	---	5659.55	4167.62	10870.58
30	3940.04	4460.20	4729.91	4137.00	---	11475.81	25894.88	61705.34	---	5910.12	3931.85	10857.48
31	3803.59	---	4823.00	4097.53	---	12983.48	---	52496.09	---	5189.85	3814.06	---
TOTAL	113762.95	172882.11	200774.36	172136.33	302491.34	214613.83	797889.31	994160.38	995462.13	235506.38	126561.88	287422.75
MEAN	3669.77	5762.74	6476.59	5552.78	10803.26	12624.34	26596.31	32069.69	35552.22	8410.94	4082.64	9580.76
MAX	4528.93	9015.58	13514.41	8951.12	15959.02	17867.68	38954.70	61705.34	48562.44	14672.66	6312.62	11198.04
MIN	3053.00	3634.12	4364.49	4062.60	3692.55	9924.16	13718.34	16191.83	25719.45	5189.85	2621.00	2756.84
WTR YR 1990 TOTAL	4613664.50			MEAN	13334.29	MAX	61705.34	MIN	2621.00			

MICROFILMED
AUG 27 1998

CLEARWATER RIVER FLOWRATES

89 CLW

13342500 CLEARWATER RIVER AT SPAULDING, IDAHO

QD QD WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

MICROFILMED
SERIES 21 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1	3453.94	3505.87	5290.40	4651.33	5273.72	5415.00	22417.45	30587.48	27201.89	14530.80	6540.26	11379.36
2	3179.84	3584.92	6327.41	4727.05	12379.89	5207.33	21472.98	31931.70	29444.68	13913.69	7476.29	11410.00
3	3122.25	3775.72	4291.59	4670.16	11482.51	7201.93	20468.79	34369.11	37590.87	12820.04	7854.05	11033.76
4	3053.24	4646.31	4341.30	3804.75	11361.08	6990.41	19085.23	43731.53	34362.47	12493.97	7840.92	11370.00
5	3027.00	5179.63	4375.11	3316.99	11411.04	7213.63	19485.71	45963.61	36973.70	12089.43	4727.21	11346.02
6	3014.81	4870.58	4418.37	3287.88	11788.71	5451.30	21624.10	42992.15	43114.24	11064.09	3011.02	11310.65
7	2985.16	5338.64	4690.90	3275.84	12329.64	7734.26	26146.68	45885.75	45117.48	10337.88	5269.82	11238.22
8	2989.00	5853.81	4303.49	3130.08	12218.31	9568.54	33483.34	49542.55	43950.89	9866.37	7648.08	11210.00
9	2960.63	5284.96	3768.10	3190.40	12165.77	11218.78	31731.89	47308.71	42865.38	9157.31	7436.95	11205.37
10	2930.23	5079.74	3920.53	9864.98	12206.63	16967.99	28015.67	47370.07	41336.65	8855.19	7882.18	11176.79
11	2928.62	4928.15	4215.04	10194.88	5732.51	21523.68	25728.71	49231.60	39385.57	8472.09	7937.74	11130.00
12	2911.95	4956.26	3983.48	12342.49	4158.79	21896.88	24814.04	40891.87	36482.61	8374.13	4380.15	11130.00
13	2893.07	4944.58	3950.64	12452.47	4132.75	21425.72	25437.95	33021.11	35752.72	8045.70	3905.51	11130.00
14	2886.21	5018.09	4669.43	12453.06	4012.00	18601.21	27782.18	28536.81	34654.15	8239.99	5836.44	11130.00
15	2930.01	5475.53	4635.79	12502.92	3814.85	14601.26	27492.08	26918.57	35047.31	7642.89	4752.93	11144.31
16	2987.79	4672.21	3706.24	12561.35	3780.38	13452.03	32149.50	35522.95	42676.00	7282.41	3481.82	11163.30
17	3352.94	4504.75	2759.25	12682.95	3772.30	15044.87	37024.71	35127.89	37863.86	11104.88	3402.95	11134.21
18	6550.51	4617.88	2408.82	12891.88	3791.26	15083.99	32539.47	38518.86	31590.93	13864.00	5244.61	11345.80
19	5208.38	4660.86	2555.16	13161.78	3870.93	15602.01	31444.71	34113.58	29181.13	13598.39	4457.55	12140.64
20	4432.74	4551.62	3178.15	13256.51	3974.62	14034.03	37653.00	29051.52	26873.30	13259.97	3281.98	11913.62
21	6032.37	4500.51	4523.88	13373.90	4096.50	15484.73	43281.17	23461.27	26672.85	13067.35	7066.58	11618.99
22	6230.56	4721.95	5232.15	13435.52	4231.19	18163.35	46730.61	21495.91	23984.83	12875.96	11158.21	11473.31
23	5033.98	5361.58	6559.22	13410.00	4843.82	16026.54	43619.01	22094.03	22599.72	12718.03	11649.19	11393.62
24	4042.66	6324.03	7153.39	11871.39	5749.39	13946.96	35803.29	23248.14	16171.33	11726.14	12269.05	11348.12
25	3704.12	5809.00	6765.56	4562.12	5999.07	16313.76	30754.33	26130.11	15602.65	9099.60	12201.96	11354.43
26	3642.93	5304.80	6604.44	4493.10	6129.33	20512.00	28013.98	27324.44	16673.18	6561.72	11917.14	11290.00
27	3543.18	5060.04	6105.92	4291.53	5918.61	---	28232.70	20342.85	17760.10	5685.76	11766.70	11290.00
28	3478.81	4785.60	4503.47	4408.03	5690.56	21383.74	33418.39	20857.51	17253.47	5890.52	11766.59	11314.40
29	3541.21	4809.97	3975.42	4344.34	---	23177.05	31173.38	25601.42	16679.91	5885.51	11833.71	11370.00
30	3528.70	4855.46	4439.25	4401.03	---	23935.49	30130.25	28623.33	16145.66	5537.83	11461.56	11368.32
31	3506.05	---	4418.51	4473.57	---	22693.78	---	26803.20	---	5555.26	11450.38	---
TOTAL	114082.89	146983.05	142070.42	251484.30	196316.16	445872.28	897155.38	1036599.56	921009.69	309616.88	236909.52	339863.25
MEAN	3680.09	4899.44	4582.92	8112.40	7011.29	14862.41	29905.18	33438.70	30700.32	9987.64	7642.24	11328.78
MAX	6550.51	6324.03	7153.39	13435.52	12379.89	23935.49	46730.61	49542.55	45117.48	14530.80	12269.05	12140.64
MIN	2886.21	3505.87	2408.82	3130.08	3772.30	5207.33	19085.23	20342.85	15602.65	5537.83	3011.02	11033.76

WTR YR 1989 TOTAL 5037963.50 MEAN 13840.56 MAX 49542.55 MIN 2408.82

CLEARWATER RIVER FLOWRATES

13342500 CLEARWATER RIVER AT SPAULDING, IDAHO

WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	QD DEC	QD JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6062.95	3060.00	---	---	3936.78	5882.64	8740.58	20907.69	20426.57	7994.06	3917.73	8243.68
2	2875.03	3080.00	---	---	3812.65	6490.82	8422.19	18281.27	22612.66	7094.34	3844.22	8785.00
3	2840.00	3160.00	---	---	3707.70	7235.65	9870.80	16922.33	21550.97	6558.40	3731.81	4230.03
4	2800.00	3180.00	---	---	3748.28	7771.06	13225.47	27508.94	22768.79	6244.31	3717.20	3200.61
5	2780.00	3205.03	---	219.54	3754.72	7437.69	12762.18	40101.88	26581.68	6217.61	3710.68	3073.80
6	2765.03	3185.03	---	169.92	3697.16	---	10723.87	41729.93	25333.80	6137.53	4900.45	5615.99
7	2760.00	3165.03	---	14177.06	3715.80	8683.88	11467.97	43389.97	24120.44	6442.51	4931.24	10842.81
8	2780.00	3130.06	---	6508.03	3716.16	7374.07	14602.36	42331.85	22974.18	5732.21	4939.46	9994.27
9	2925.54	3120.00	---	7054.08	4291.22	7117.17	11132.48	42089.32	21136.23	5344.52	4610.21	9480.49
10	2970.00	3160.00	---	5837.39	5472.04	7603.37	9748.66	38275.44	19190.92	5034.85	4631.16	10883.00
11	2950.00	3160.00	---	5736.62	6177.24	7057.42	9429.04	21069.49	18625.91	4790.74	4878.23	10944.41
12	2950.00	5527.55	---	6001.59	5967.50	6471.12	10423.15	25002.98	17747.82	4609.51	5510.17	10960.00
13	2950.00	5580.00	---	5800.90	5844.06	6039.03	13483.24	32394.85	16927.42	4534.43	5912.85	11067.72
14	2664.32	5817.36	---	5431.49	5842.88	5756.86	18423.48	34991.51	15869.49	4517.42	5585.95	8219.43
15	2754.97	5321.75	---	3836.14	6190.44	5679.60	29424.85	29802.39	15200.39	4492.60	5559.93	8633.27
16	2765.03	5018.48	---	4098.71	6273.97	5445.65	29895.27	27710.53	15178.16	4490.35	5866.94	9881.83
17	2780.00	7969.85	---	4286.71	5766.15	5443.33	33609.78	33319.27	15030.72	4277.98	5683.45	5939.02
18	2984.99	9677.07	---	4077.33	5277.50	4973.20	35691.63	31973.60	14854.95	4035.18	5551.70	4674.55
19	2975.03	11240.00	---	3812.57	4938.17	4988.54	34462.54	26023.45	14441.69	3824.57	5716.96	6984.20
20	2935.03	11210.06	---	3624.49	4737.60	5219.35	28296.77	22898.71	13443.03	3719.15	7491.42	11215.15
21	2930.00	8859.71	---	3571.82	4619.34	5924.51	26354.16	21762.79	12601.21	3592.46	8221.57	11297.22
22	2935.03	9019.94	---	3655.16	4769.62	7597.63	26634.58	22434.33	11758.63	3482.57	8175.96	11400.00
23	2955.03	9170.00	---	3711.37	4761.10	8222.35	---	26206.53	11007.52	3901.16	8785.00	11400.00
24	2940.06	8424.20	---	3650.66	4727.71	8537.67	---	30918.24	10154.63	4149.81	8637.37	9995.25
25	2967.00	---	---	3632.80	4661.65	8200.46	---	31112.59	9343.04	6050.66	8804.54	10131.92
26	2925.09	---	---	3567.98	4591.93	8680.92	---	30062.34	8963.29	7713.90	10749.73	10070.44
27	2935.03	---	---	3582.53	4670.90	12543.09	---	29796.97	9662.35	7908.39	10960.00	11467.77
28	2984.97	---	---	3581.68	4909.67	12268.53	---	27336.58	9669.13	9907.54	9873.09	11858.29
29	3080.00	---	---	3609.65	5328.26	10346.20	18516.07	25678.81	9034.00	6728.46	10102.88	12369.28
30	3065.03	---	---	3877.88	---	9626.44	23047.25	26425.24	8819.90	4687.70	8748.72	9855.32
31	3060.00	---	---	4136.34	---	10123.06	---	22106.53	---	3758.82	9696.31	---
TOTAL	93045.17	137441.13	0.00	121250.43	139908.20	224741.31	448388.38	910566.25	485029.47	167973.75	203446.95	272714.75
MEAN	3001.46	5726.71	0.00	4490.76	4824.42	7491.38	18682.85	29373.11	16167.65	5418.51	6562.81	9090.49
MAX	6062.95	11240.00	0.00	14177.06	6273.97	12543.09	35691.63	43389.97	26581.68	9907.54	10960.00	12369.28
MIN	2664.32	3060.00	0.00	169.92	3697.16	4973.20	8422.19	16922.33	8819.90	3482.57	3710.68	3073.80

WTR YR 1988 TOTAL 3204505.75 MEAN 10077.06 MAX 43389.97 MIN 169.92

88 clw
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AUG 21 1998

List of Officers
Lewiston Orchards Irrigation District
Board of Directors 1995

Chairman: Kevin Skow
Vice Chairman: Jerry Northrup
Secretary: Kathaleen Palmer
Treasurer: Helen Smith
Attorney: Earl McGeoghegan
Boardmember: Robert E. Jones
Boardmember: Milton Lind
Boardmember: Timothy Thornley
Boardmember: William Liedkie
Manager: Randy Moore
Engineer: Richard Wyatt

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AUG 21 1998

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Lewiston Orchards Irrigation District Phone (208) 746-8235
Post office address 1520 Powers Avenue, Lewiston, ID 83501
2. Source of water supply Clearwater River which is a tributary of Snake River
3. Location of point of diversion is NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Govt. Lot _____
Sec. 35 Township 36 N Range 5 W B.M. Nez Perce County; additional
points of diversion if any: _____
4. Water will be used for the following purposes: See Item 4 Supplemental Attached

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

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

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

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 80 cfs and/or (b) 20,000 ac-ft/yr.
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. River intake structure, with pumping system and approximately 5 miles of 60 inch transmission line to Mann Lake for storage and equalization.
 - b. Height of storage dam 30 feet; active reservoir capacity 1970 acre-feet; total reservoir capacity 1970 acre-feet; period of year when water will be diverted to storage: January 1 to December 31 inclusive.
 - c. Proposed well diameter is N/A inches; proposed depth of well is N/A feet.
 - d. Is ground water with a temperature of greater than 90°F being sought? No
7. Time required for the completion of the works and application of the water to the proposed beneficial use is five (5) years (minimum 1 year).

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8. Description of proposed uses (If irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. _____
- Stockwatering; list number and kind of livestock. _____
- Municipal; show name of municipality. Lewiston Orchards Irrigation District
- Domestic; show number of households. 6200 connections
- Other; describe fully. _____

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: *D* for Domestic) in the corresponding place of use below. See instructions for standard symbols.

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

SEE ATTACHED MAPS 1 THROUGH 4
AND ATTACHED LISTS

Total number of acres to be irrigated _____

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

Water rights on Nez Perce Reservation - see attached list.

11. a. Who owns the property at the point of diversion? State of Idaho and private property owner

b. Who owns the land to be irrigated or place of use? Residents of the City of Lewiston and L.O.I.D.

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. Upon approval of application, L.O.I.D. will appropriate land to obtain P.O.D.

12. Remarks: L.O.I.D. has right of eminent domain for property acquisition.

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

SEE ATTACHED

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AUG 21 1998

Scale: 2 inches equal 1 mile.

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

Robert E. Jones
(Applicant)

ITEM 4 SUPPLEMENTAL

Amount 80.0 cfs for diversion to storage purposes
from Jan. 1 to Dec. 31 (both dates inclusive)

Amount 10,000 ac. ft. for storage for municipal purposes
Amount 10,000 ac. ft. from storage for municipal purposes
Amount 70.0 cfs Instantaneous demand rate for municipal purposes
from Jan. 1 to Dec. 31 (both dates inclusive)

Amount 10,000 ac. ft. for storage for industrial purposes
Amount 10,000 ac. ft. from storage for industrial purposes
Amount 10.0 cfs Instantaneous demand rate for industrial purposes
from Jan. 1 to Dec. 31 (both dates inclusive)

Amount 10,000 ac. ft. for storage for domestic purposes
Amount 10,000 ac. ft. from storage for domestic purposes
Amount 1.0 cfs Instantaneous demand rate for domestic purposes
from Jan. 1 to Dec. 31 (both dates inclusive)

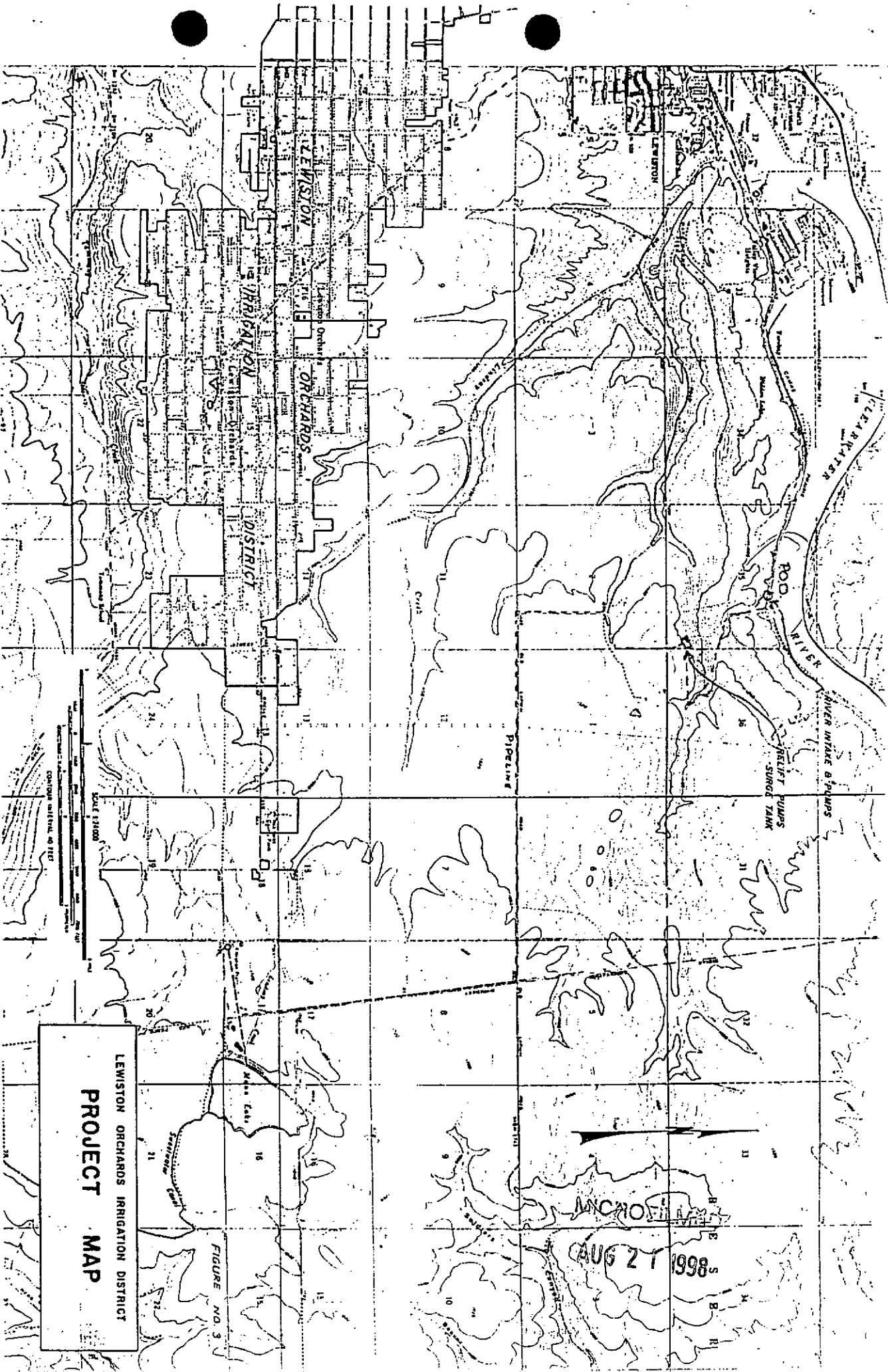
Amount 10,000 ac. ft. for storage for irrigation purposes
Amount 10,000 ac. ft. from storage for irrigation purposes
Amount 2.0 cfs Instantaneous demand rate for irrigation purposes
from Jan. 1 to Dec. 31 (both dates inclusive)

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WATER RIGHT SUMMARY

<u>Chron. #</u>	<u>Water Right #</u>	<u>Description</u>
1	A85-00016	Sweetwater Canal Division
2	85-4483	Mann's Lake (Reservoir "A")
3	85-2049	Lake Waha
4	85-11087	West Fork Sweetwater Creek Diversion
5	85-2146	Soldiers Meadows Reservoir
6	85-2063	Lake Waha
7	85-2065	Webb Creek Diversion
8	85-2147	Captain John Creek Diversion
9	85-7146	Domestic Water Well #1
10	85-7428	Domestic Water Well #2

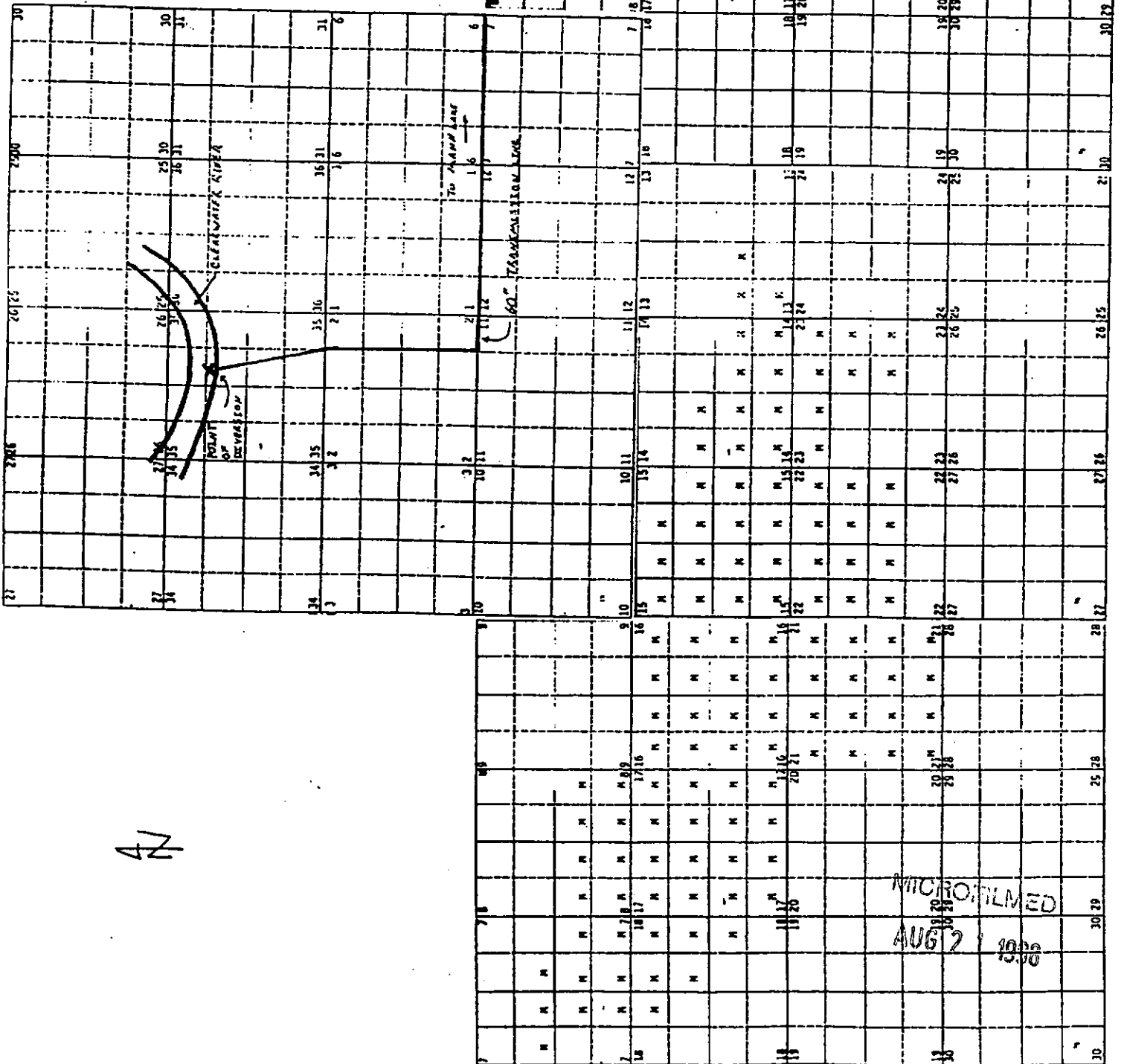
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AUG 21 1998



LEWISTON ORCHARDS IRRIGATION DISTRICT
PROJECT MAP

FIGURE NO. 3

47



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AUG 2 1966

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number. T 35 N, R 5 W

7			7	8			8	9			9	10			1
M	M	M													
	M	M	M	M	M	M	M								
7	M	M	M	7	8	M	M	M	8	9		9	10		10
18	M	M	M	18	17	M	M	M	17	16		16	15		15
		M	M	M	M	M	M	M	M	M	M	M	M	M	M
			M	M	M	M	M	M	M	M	M	M	M	M	M
18			18	17	M	M	M	M	17	16	M	M	M	M	M
19			19	20					20	21		21	22		22
									M	M	M	M	M	M	M
									M	M	M	M	M	M	M
19			19	20					20	21	M	M	M	M	M
30			30	29					29	28			28	27	27
30			30	29					29	28			28	27	27

Scale: 2 inches equal 1 mile.

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

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AUG 21 1998

Robert E. Jones
Robert E. Jones (Applicant)
President, Lewiston Orchards Irrigation District

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number. T 35 N

10			10 11			11 12			12 7			7
10			10 11			11 12			12 7			7
15			15 14			14 13			13 18			18
M	M	M										
M	M	M	M	M	M							
M	M	M	M	M	M	M	M	M				
M	M	M	M	M	M	M	M	M				
15	M	M	M	15 14	M	M	M	14 13				18
22			22 23					23 24	13 18			19
M	M	M	M	M	M	M	M		24 19			
M	M	M	M			M	M					
M	M	M	M			M	M					
22			22 23			23 24			24 19			19
27			27 26			26 25			25 30			30
27			27 26			26 25			25 30			30

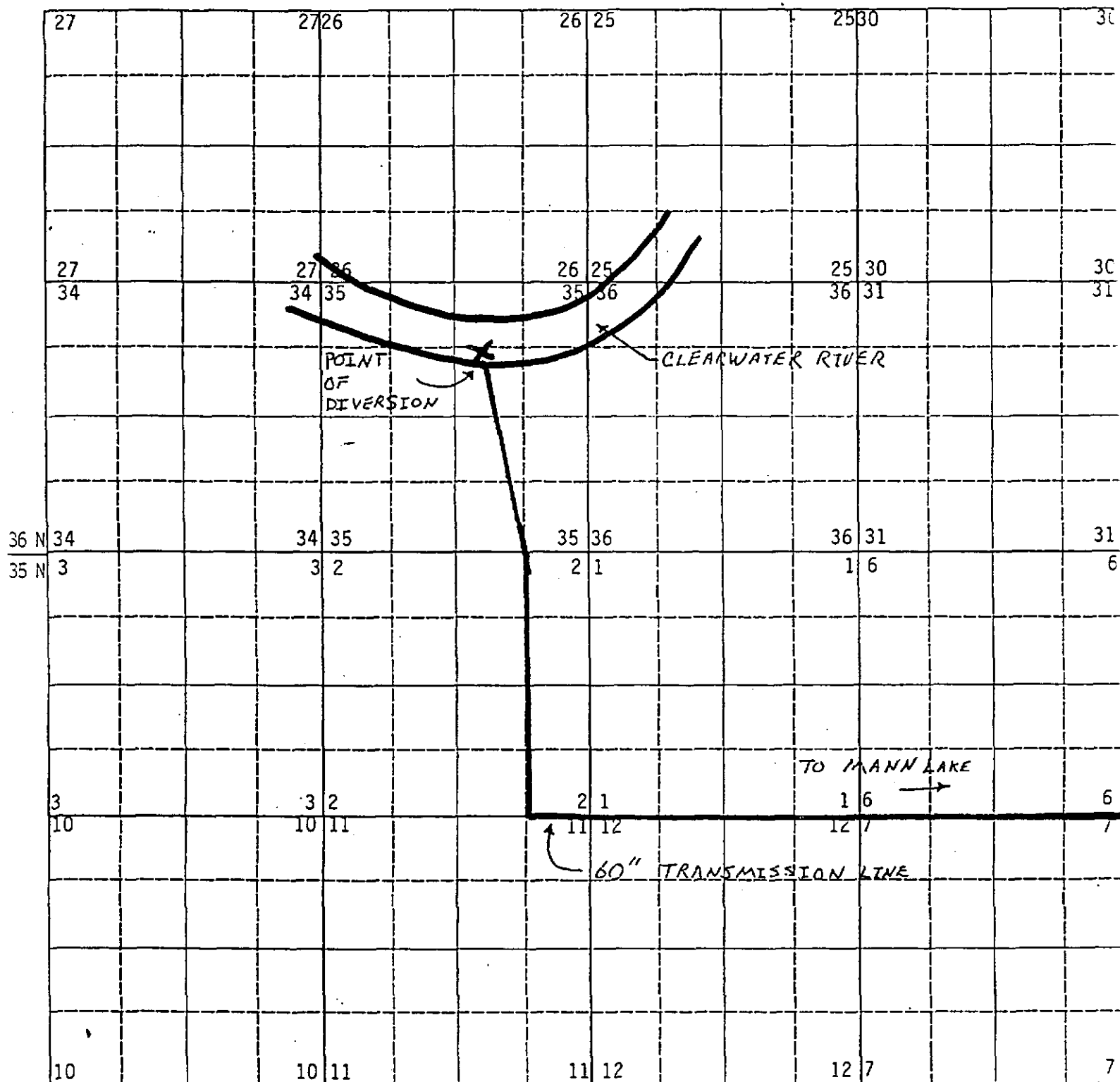
Scale: 2 inches equal 1 mile.

R 5 W 11 C 1 R 4 F 1 M E D

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

Robert E. Jones (Applicant)
President, Lewiston Orchards Irrigation Distri

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



Scale: 2 inches equal 1 mile.

R 5 W

R 4 W

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

Robert E. Jones (Applicant)
President, Lewiston Orchards Irrigation District

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number. T 35 N, R 4 W



Scale: 2 inches equal 1 mile.

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

Robert E. Jones
 Robert E. Jones (Applicant)
 President, Lewiston Orchards Irrigation District

Instantaneous Demand Rates
in cubic feet per second (cfs)

1.	40.0 ac. (x) 0.02 cfs/ac. = 0.80 cfs
2.	6.0 ac. (x) 0.02 cfs/ac. = 0.12 cfs
3.	2.5 ac. (x) 0.02 cfs/ac. = 0.05 cfs
4.	1.0 ac. (x) 0.02 cfs/ac. = 0.02 cfs
5.	5.0 ac. (x) 0.02 cfs/ac. = 0.10 cfs
6.	10.0 ac. (x) 0.02 cfs/ac. = 0.20 cfs
7.	1.5 ac. (x) 0.02 cfs/ac. = 0.03 cfs
8.	2.5 ac. (x) 0.02 cfs/ac. = 0.05 cfs
9.	19.5 ac. (x) 0.02 cfs/ac. = 0.39 cfs
10.	5.0 ac. (x) 0.02 cfs/ac. = 0.10 cfs
	93.0 ac. 1.90 cfs

Note: Most of these areas have been platted for subdivision and future expansion of the Lewistown city limits.

All acreage has been rounded to the nearest 1/2 acre.

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AUG 21 1998

Received by JB Date 9/15/94 Time 2:30 Preliminary check by JB
Fee \$ 1080 00/100 Received by JB # N-8391 Date 10/26/94
Publication prepared by _____ Date _____ Published in _____
Publication approved _____ Date _____

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

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

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 _____, 19____.

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

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other:

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AUG 21 1998

Date

Account No. 764750

07593

Description 77233NOTIC

Times 2 Lines 63

Tab Lines

\$ 157.50

LEGAL ADVERTISING INVOICE

OLD TO:

DEPT OF WATER RESOURCES
1910 NORTHWEST BLVD. 210
COEUR D'ALE
ID 83814

NOTICE: This is an invoice of Purchase made by you. Statement will be rendered the first of the month.
Please Retain This Invoice as Your Statement Will Refer To Invoice by No. Only.

A copy of the invoice is being filed with the Lewiston Morning Tribune for the purpose of being published in the paper.

77233

NOTICE OF APPLICATION FOR WATER RIGHT

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

STATE OF IDAHO
DEPT OF FISH & GAME
P.O. BOX 25
LEWISTON, IDAHO 83720
Source: CLEARWATER RIVER, NORTH FORK

Diversion Pt.: NENW Sec 35 T 37N R 01E in CLEARWATER County
Use: FISH PROPOGATION (89,000 CFS)
Total Diversion: (89,000 CFS)
Date Filed: 5/6/1993
Source: CLEARWATER County, ID
T37N R01E S33 NESE
S34 NWSW
86-07324

CITY OF LEWISTON
P.O. BOX 617
LEWISTON, ID 83501
Source: CLEARWATER RIVER Tributary: SNAKE RIVER
Diversion Pt.: SENW Sec 27 T 36N R 05W in Nez Perce County
Use: IRRIGATION (400 CFS)
STOCKWATER (20 CFS)
INDUSTRIAL (1,400 CFS)
COMMERCIAL (570 CFS)
MUNICIPAL (6,200 CFS)
MUNICIPAL (18,600 CFS)
DOMESTIC (240 CFS)
Total Diversion: (18,600 CFS)
Date Filed: 4/28/1993

County	Section	Diversion
NEZ PERCE	S17	NWSW SESW
T35N R04W	S18	SENE NESW NWSW SESW
		NESE NWSE
	S19	NWNE
R05W	S04	NWNW
	S13	NESE SESE
	S22	NESW NWSW
R06W	S12	NENW
	S13	NWNW
	S24	NENE NWNE
T36N R05W	S29	NESE
	S30	NWNE SWNE
	S33	NWSW SWSW

20.0 ACRES TOTAL
MUNICIPAL USE IS LOCATED WITHIN THE CITY LIMITS OF LEWISTON, IDAHO

NOTICE OF CORRECTION
NOTICE IS HEREBY GIVEN THAT APPLICATION FOR PERMIT NO. 85-589 in the name of Gregory J. Dillon was advertised incorrectly on May 20 & 27, 1993. The application should have included an amount of water. It should correctly be shown as 1.0 acre-foot (0.68A/F). For additional information concerning the property location, call the Northern Regional Office at 765-4639. Protests to the above referenced correction must be filed with the Director, Dept. of Water Resources, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, ID 83814 on or before August 23, 1993. R. KETH HIGGINSON, Director
Published in the Lewiston Morning Tribune on August 5 and 12, 1993.

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, ss.
County of Nez Perce

Karen J. Lewis, being duly sworn,

poses and says, I am the Legal Clerk of the Tribune Publishing Company, a corporation organized and existing under and by virtue of the laws of the State of Idaho, publishers of the LEWISTON MORNING TRIBUNE, a newspaper of general circulation published at Lewiston, Nez Perce County, Idaho; That the said Lewiston Morning Tribune is an established paper and has been published regularly and issued regularly at least once a day for more than 21 consecutive years next immediately preceding the first publication of this notice, and has been so published uninterrupted for said period; that the

NOTICE OF APPLICATION

attached hereto and which is made a part of this affidavit was published in the said Lewiston Morning Tribune, 2 time(s). Publication began on 080593, or once a

WEEK for 2 consecutive WEEKS the first publication thereof being on the 080593, and the last publication thereof being on the 081293, and said

NOTICE OF APPLICATION

was so published in the regular and entire issue of said newspaper and in a supplement thereof and was so published in every issue and number of the said paper, during the period and times of publication as set forth above.

Karen J. Lewis

DESCRIBED AND SWORN BEFORE ME THIS 13th day of August 1993

MICROFILMED

Sheryl M. Lantz
AUG 21 1993

Notary Public in and for the State of Idaho, residing at Lewiston, therein.

Commission expires 6-6-97
OCT 25 1993

95-08144	AVONDALE	IRRIGATION	DIST.	C	04W	14 NW	2.00 CFS
95-08774	AVONDALE	IRRIGATION	DISTRICT	C	04W	15 NEN	3.00 CFS
95-08687	AVONDALE	IRRIGATION	DISTRICT	C	04W	24 NW	1.31 CFS
95-08867	AVONDALE	IRRIGATION	DISTRICT	C	04W	14 NW	2.00 CFS
							8.31

63-10569	BOISE	WATE CORP	C	02/05/88	2	NWNW	1.78 CFS
63-12143	BOISE	WATE CORP	C	09/02/94	24	NWSE	3.00 CFS
63-11118	BOISE	WATE CORP	C	02/01/90	16	NESE	2.80 CFS
63-12140	BOISE	WATE CORP	C	08/22/94	28	SWSW	3.50 CFS
63-11384	BOISE	WATE CORP	C	08/07/90	27	NENE	4.46 CFS
63-12139	BOISE	WATE CORP	C	08/19/94	21	NENW	4.90 CFS
63-10862	BOISE	WATE CORP	C	07/18/89	26	NWNESE	1.44 CFS
63-11068	BOISE	WATE CORP	C	11/17/89	8	NESW	2.79 CFS
63-11232	BOISE	WATE CORP	C	02/12/90	9	SENE	2.83 CFS
63-10688	BOISE	WATE CORP	C	08/15/88	30	SWSE	2.00 CFS
63-11034	BOISE	WATE CORP	C	10/22/89	32	NWNW	2.74 CFS
63-12138	BOISE	WATE CORP	C	08/19/94	17	NENE	3.90 CFS
63-07589	BOISE	WATE CORP.	C	04/20/72	3	SENE	4.40 CFS
63-04752	BOISE	WATE CORP.	C	01/01/47	2	NENW	1.11 CFS
63-11541	BOISE	WATE CORP.	C	05/31/91	6	NENE	2.90 CFS
63-02989	BOISE	WATE CORP.	C	06/02/54	1	SESE	1.00 CFS
63-09205	BOISE	WATE CORP.	C	01/09/79	35	NENW	4.00 CFS
63-08432	BOISE	WATE CORP.	C	02/10/77	36	NESE	1.78 CFS
63-03295	BOISE	WATE CORP.	C	05/24/62	28	NENE	3.24 CFS
63-02506	BOISE	WATE CORP.	C	06/05/35	14	NENE	1.66 CFS
63-08990	BOISE	WATE CORP.	C	07/19/77	24	NESE	4.00 CFS
63-07577	BOISE	WATE CORP.	C	04/06/72	36	SWNE	2.01 CFS
63-02668	BOISE	WATE CORP.	C	07/15/47	8	NENE	2.14 CFS
63-07282	BOISE	WATE CORP.	C	12/02/69	20	SENE	4.12 CFS
63-03293	BOISE	WATE CORP.	C	05/21/62	16	NWNW	3.56 CFS
63-03494	BOISE	WATE CORP.	C	03/08/66	17	NESW	6.44 CFS
63-03292	BOISE	WATE CORP.	C	05/21/62	22	NWNE	2.26 CFS
63-07204	BOISE	WATE CORP.	C	03/13/69	8	NENE	1.82 CFS
63-09276	BOISE	WATE CORP.	C	08/16/79	35	NWSW	0.80 CFS
63-09204	BOISE	WATE CORP.	C	01/09/79	27	NWSW	4.00 CFS
63-03128	BOISE	WATE CORP.	C	04/24/58	21	NENE	4.44 CFS
63-03562	BOISE	WATE CORP.	C	11/07/66	19	NENW	1.47 CFS
63-02892	BOISE	WATE CORP.	C	02/07/52	14	SENE	15.00 CFS
63-07658	BOISE	WATE CORP.	C	01/08/73	3	SENE	1.06 CFS
63-07348	BOISE	WATE CORP.	C	07/14/70	7	SWSW	6.60 CFS
63-02703	BOISE	WATE CORP.	C	06/23/48	15	NWNW	5.00 CFS
63-02550	BOISE	WATE CORP.	C	05/07/40	15	SESE	1.75 CFS
63-09219	BOISE	WATE CORP.	C	03/20/79	24	SWNW	2.23 CFS
63-09147	BOISE	WATE CORP.	C	06/06/78	30	SWSE	4.00 CFS
63-09855	BOISE	WATE CORP.	C	12/23/81	34	NESW	3.34 CFS
63-11558	BOISE	WATE CORP.	C	06/24/91	6	SESE	3.34 CFS
63-02500	BOISE	WATE CORP.	C	08/30/34	10	NWNW	0.80 CFS
63-08236	BOISE	WATE CORP.	C	11/28/75	25	NWSE	3.63 CFS
63-08059	BOISE	WATE CORP.	C	11/12/74	32	SWNW	0.57 CFS
63-10386	BOISE	WATE CORP.	C	09/19/86	14	SENE	1.11 CFS
63-02569	BOISE	WATE CORP.	C	08/21/41	4	SESW	2.62 CFS
63-03411	BOISE	WATE CORP.	C	06/17/64	32	SWNW	1.50 CFS
63-09671	BOISE	WATE CORP.	C	02/25/81	14	NENE	2.12 CFS
63-10405	BOISE	WATE CORP.	C	03/17/87	24	SWSE	1.56 CFS
63-09223	BOISE	WATE CORP.	C	04/03/79	36	NWNE	4.23 CFS
63-03073	BOISE	WATE CORP.	C	01/04/56	28	NWNW	2.00 CFS

AUG 21 1998

63-02576	BOISE	WATE	CORP.	C	04/26/38	14	NENE	1.90 CFS
63-02808	BOISE	WATE	CORP.	C	04/03/50	13	SWNW	3.10 CFS
63-07479	BOISE	WATE	CORP.	C	08/20/71	22	SESE	7.00 CFS
63-04414	BOISE	WATE	CORP.	C	07/01/43	32	NENE	1.11 CFS
63-03202	BOISE	WATE	CORP.	C	06/08/60	22	NWNE	2.89 CFS
63-10533	BOISE	WATE	CORP.	C	09/09/87	27	NWSE	0.52 CFS
63-04424	BOISE	WATE	CORP.	C	07/01/43	33	NENW	1.33 CFS
63-02874	BOISE	WATE	CORP.	C	08/18/51	9	SENW	4.00 CFS
63-03291	BOISE	WATE	CORP.	C	05/21/62	32	NWNW	2.40 CFS
63-02595	BOISE	WATE	CORP.	C	08/31/66	16	NWNW	1.34 CFS
63-03448	BOISE	WATE	CORP.	C	04/27/65	14	SENW	4.90 CFS
63-11951	BOISE	WATE	CORPORATIO	C	10/14/92	19	NENW	0.85 CFS
63-12055	BOISE	WATE	CORPORATIO	C	09/08/93	14	SENE	7 24.80 CFS
63-11950	BOISE	WATE	CORPORATIO	C	10/14/92	21	NENE	2.30 CFS
63-12043	BOISE	WATE	CORPORATIO	C	07/23/93	17	NWNW	4.46 CFS
63-11385	BOISE	WATE	CORPORATIO	C	08/07/90	35	NENW	2.58 CFS
63-11949	BOISE	WATE	CORPORATIO	C	10/14/92	30	SESE	1.10 CFS
63-07034	CITY	OF	BOISE	C	12/13/67	10	NESE	1.59 CFS
63-07179	CITY	OF	BOISE	C	12/19/68	18	NWSE	0.91 CFS
63-09139	CITY	OF	BOISE	C	04/17/78	11	NENW	12.00 CFS
								236.83

29-02460	CITY	OF	AMERICAN	FALLS	C	31	29	NW	4.68 CFS
29-04421	CITY	OF	AMERICAN	FALLS	C	31	12	SE	2.00 CFS
29-07822	CITY	OF	AMERICAN	FALLS	C	31	21	SE	0.81 CFS
29-02510	CITY	OF	AMERICAN	FALLS	C	31	29	SW	2.42 CFS
29-07821	CITY	OF	AMERICAN	FALLS	C	31	29	NE	3.12 CFS
								13.03	

37-07637	CITY	OF	BELLEVUE		C	18	36	NE	2.00 CFS
37-01208	CITY	OF	BELLEVUE		C	19	34	NW	3.00 CFS
37-08597	CITY	OF	BELLEVUE		C	19	17	SW	1.00 CFS
37-08056	CITY	OF	BELLEVUE	C	11/02/82	34	NWNW		3.00 CFS
								9.00	

27-07329	CITY	OF	BLACKFOOT	C	10/19/82	4	SWNE		4.00 CFS
27-04084	CITY	OF	BLACKFOOT	C	09/27/21	4	NWNE		5.57 CFS
27-07386	CITY	OF	BLACKFOOT	C	11/30/83	35	NWNE		2.00 CFS
27-04151	CITY	OF	BLACKFOOT	C	07/20/48	34	SENW		0.14 CFS
27-04153	CITY	OF	BLACKFOOT	C	05/27/58	27	SESW		0.14 CFS
27-02142	CITY	OF	BLACKFOOT	C	04/12/65	4	NESW		1.95 CFS
27-07384	CITY	OF	BLACKFOOT	C	06/30/83	27	NWSE	13	0.14 CFS
27-04086	CITY	OF	BLACKFOOT	C	09/27/21	3	SWNE		5.57 CFS
27-04154	CITY	OF	BLACKFOOT	C	05/08/61	8	NWNE		0.14 CFS
35-04251	CITY	OF	BLACKFOOT	C	04/25/60	4	NWSE		4.45 CFS
27-04087	CITY	OF	BLACKFOOT	C	04/01/54	2	NWNW		2.23 CFS
27-04106	CITY	OF	BLACKFOOT	C	01/01/00	3	NESE		2.23 CFS
27-04088	CITY	OF	BLACKFOOT	C	03/01/53	10	NWNW		4.46 CFS
								33.03	

47-07191	CITY	OF	BUHL	C	04/16/73	35	NENE		2.00 CFS
47-02196	CITY	OF	BUHL	C	08/03/50	36	NWSE		3.78 CFS
47-08255	CITY	OF	BUHL	C	11/26/90	1	SWNENE		4.40 CFS
47-02339	CITY	OF	BUHL	C	06/29/60	31	SWSW	4	1.78 CFS
								11.96	

45-04097	CITY	OF	BURLEY	C	06/01/25	20	SWSE	1.78 CFS
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ALLG 2 1 1998

45-04093	CITY	OF	BURLEY	C	06/01/34	29	NENW	2.00 CFS
45-04089	CITY	OF	BURLEY	C	05/01/47	20	SWNE	2.23 CFS
45-07686	CITY	OF	BURLEY	C	02/11/91	20	SWSENE	1.75 CFS
36-04080	CITY	OF	BURLEY	C	11/01/62	17	NENW	4.01 CFS
45-04099	CITY	OF	BURLEY	C	06/01/40	20	SWSE	2.67 CFS
45-07269	CITY	OF	BURLEY	C	05/25/76	32	SENE	3.56 CFS
45-04096	CITY	OF	BURLEY	C	06/01/17	20	SWSE	1.34 CFS
45-04092	CITY	OF	BURLEY	C	06/01/28	20	NWSW	1.34 CFS
45-04091	CITY	OF	BURLEY	C	06/01/54	20	SWNW	2.00 CFS
45-07436	CITY	OF	BURLEY	C	02/15/80	29	SWNE	0.69 CFS
45-04094	CITY	OF	BURLEY	C	10/01/49	29	NWNW	1.66 CFS
45-04090	CITY	OF	BURLEY	C	06/01/42	20	SENE	2.45 CFS
45-04098	CITY	OF	BURLEY	C	06/01/60	30	SENE	2.67 CFS
45-04095	CITY	OF	BURLEY	C	03/01/39	20	SWSE	2.45 CFS
								32.60

63-10316	CITY	OF	CALDWELL	C	08/21/85	28	SWSE	1.78 CFS
63-08986	CITY	OF	CALDWELL	C	07/19/77	36	NENW	1.56 CFS
63-05055	CITY	OF	CALDWELL	C	01/01/45	27	SESE	0.89 CFS
63-12144	CITY	OF	CALDWELL	C	09/02/94	3	NWSWSE	2.20 CFS
63-08008	CITY	OF	CALDWELL	C	07/15/74	26	SWNE	2.45 CFS
63-08299	CITY	OF	CALDWELL	C	04/01/76	28	SENE	1.76 CFS
63-10317	CITY	OF	CALDWELL	C	08/21/85	22	NENE	1.47 CFS
63-07910	CITY	OF	CALDWELL	C	01/10/74	21	SESW	2.23 CFS
63-08987	CITY	OF	CALDWELL	C	07/19/77	34	NENW	1.45 CFS
63-05052	CITY	OF	CALDWELL	C	01/01/08	22	NENE	0.78 CFS
63-03441	CITY	OF	CALDWELL	C	04/12/65	27	NENE	2.03 CFS
63-05053	CITY	OF	CALDWELL	C	01/01/30	28	NENE	1.11 CFS
63-05054	CITY	OF	CALDWELL	C	01/01/50	22	SWSW	1.34 CFS
63-07158	CITY	OF	CALDWELL	C	10/18/68	35	NWNE	2.45 CFS
								23.50

95-07142	CITY	OF	COEUR	D	ALENE	50N	NENE	1	2.45 CFS
95-08647	CITY	OF	COEUR	D	ALENE	51N	NENWNW		7.30 CFS
95-08565	CITY	OF	COEUR	D	ALENE	50N	NENE	1	7.55 CFS
95-04322	CITY	OF	COEUR	D	ALENE	50N	SWNE		27.07 CFS
95-08672	CITY	OF	COEUR	D	ALENE	50N	NWSW		3.00 CFS
									47.37

65-13448	CITY	OF	FRUITLAND	C	04/26/93	22	SWNWSE		0.44 CFS
65-07049	CITY	OF	FRUITLAND	C	09/15/68	22	NENE		0.67 CFS
65-02783	CITY	OF	FRUITLAND	C	07/02/64	26	SWNW		3.00 AFA
65-13304	CITY	OF	FRUITLAND	C	01/17/91	10	SESW	9	7.00 CFS
65-12370	CITY	OF	FRUITLAND	C	10/30/80	22	SWNE		0.38 CFS
65-12099	CITY	OF	FRUITLAND	C	02/23/78	22	SWNE		0.40 CFS
65-07611	CITY	OF	FRUITLAND	C	04/23/76	23	NWNW		0.53 CFS
65-12766	CITY	OF	FRUITLAND	C	04/28/86	22	NWSE		0.28 CFS
65-12710	CITY	OF	FRUITLAND	C	04/13/84	27	SENE		0.35 CFS
									13.05

63-09134	CITY	OF	GARDEN	CITY	C	1	24	SE	1.43 CFS
63-10270	CITY	OF	GARDEN	CITY	C	1	26	NE	3.10 CFS
63-11487	CITY	OF	GARDEN	CITY	C	1	27	NE	4.50 CFS
63-08005	CITY	OF	GARDEN	CITY	C	1	23	SW	4.80 CFS
63-07805	CITY	OF	GARDEN	CITY	C	2	5	SE	1.11 CFS
63-09136	CITY	OF	GARDEN	CITY	C	1	25	NE	1.38 CFS

MICROFILM 1632

AUG 21 1998

63-02895	CITY	OF	GARDEN CITY C	02/13/52	5	SENE	1.50 CFS
85-04193	CITY	OF	GRANGEVILLE C	01/01/20	5	NWSW	0.16 CFS
85-04166	CITY	OF	GRANGEVILLE C	03/01/61	19	NWSE	0.08 CFS
85-07598	CITY	OF	GRANGEVILLE C	01/13/94	20	NESENW	2.23 CFS
85-04164	CITY	OF	GRANGEVILLE C	01/01/59	5	NESW	0.29 CFS
85-04167	CITY	OF	GRANGEVILLE C	01/01/55	19	NWSE	0.18 CFS
85-07120	CITY	OF	GRANGEVILLE C	03/09/76	20	SENW	1.18 CFS
85-04165	CITY	OF	GRANGEVILLE C	01/01/45	30	SENE	0.16 CFS
85-02137	CITY	OF	GRANGEVILLE C	10/24/66	30	SENE	0.89 CFS
85-07276	CITY	OF	GRANGEVILLE C	11/24/81	19	NENE	1.97 CFS
85-02138	CITY	OF	GRANGEVILLE C	10/24/66	18	SWSW	0.89 CFS
							9.53

01-00040	CITY	OF	IDAHO FALLS	C			140.00 CFS
35-08682	CITY	OF	IDAHO FALLS	C	37	15 NW	8.02 CFS
35-07841	CITY	OF	IDAHO FALLS	C	37	23 NW	7.35 CFS
25-02142	CITY	OF	IDAHO FALLS	C	37	13 NW	50.20 CFS
25-07058	CITY	OF	IDAHO FALLS	C	38	17 SE	6.14 CFS
25-07398	CITY	OF	IDAHO FALLS	C	38	28 NW	1.55 CFS
25-07298	CITY	OF	IDAHO FALLS	C	38	28 NW	3.35 CFS
01-00041	CITY	OF	IDAHO FALLS	C			48.00 CFS
25-02143	CITY	OF	IDAHO FALLS	C	38	20 SE	17.10 CFS
25-07467	CITY	OF	IDAHO FALLS	C	37	12 NEN	8.02 CFS
25-07009	CITY	OF	IDAHO FALLS	C	38	9 NW	0.23 CFS
25-02095	CITY	OF	IDAHO FALLS	C	38	19 NW	5.20 CFS
25-07022	CITY	OF	IDAHO FALLS	C	38	8 NW	7.35 CFS
35-07001	CITY	OF	IDAHO FALLS	C	37	23 NW	8.90 CFS
							311.41

85-02099	CITY	OF	LEWISTON C	08/06/53	6	NWSW	2.67 CFS
85-07158	CITY	OF	LEWISTON C	06/23/77	12	SWSW	1.38 CFS
86-07090	CITY	OF	LEWISTON C	09/13/78	27	SWSE	7.90 CFS
85-02131	CITY	OF	LEWISTON C	09/25/64	30	SWSW	4 3.90 CFS
86-07324	CITY	OF	LEWISTON C	04/28/93	27	SWSE	18.60 CFS
86-04034	CITY	OF	LEWISTON C	06/01/1890	27	SWSE	10.70 CFS
85-07015	CITY	OF	LEWISTON C	01/15/70	12	SWSW	4 0.85 CFS
85-07601	CITY	OF	LEWISTON C	04/28/94	12	SWSESE	1.11 CFS
13-04063	LEWISTON	CITY			16S	SENE	2.00 CFS
13-04062	LEWISTON	CITY			16S	SESE	1.00 CFS
							50.11

63-07171	CITY	OF	MARSING C	11/26/68	35	NWSW	0.17 CFS
63-09345	CITY	OF	MARSING C	02/14/80	34	SESE	0.25 CFS
57-04003	CITY	OF	MARSING C	06/01/46	3	NENE	0.18 CFS
63-07738	CITY	OF	MARSING C	03/02/73	34	SESE	0.50 CFS
63-10048	CITY	OF	MARSING C	05/16/83	34	SESE	4 0.39 CFS
							1.49

63-10840	CITY	OF	MERIDIAN C	07/06/89	2	SWSW	3.00 CFS
63-12039	CITY	OF	MERIDIAN C	06/17/93	8	NWNE	3.00 CFS
63-09849	CITY	OF	MERIDIAN C	12/22/81	18	NWNW	1.67 CFS
63-07105	CITY	OF	MERIDIAN C	05/13/68	12	NENW	0.70 CFS

MICROFILMED
 AUG 21 1998

63-08332	CITY	OF	MERIDIAN	C	06/28/76	6 NWSE	2.00 CFS
63-07978	CITY	OF	MERIDIAN	C	05/10/74	1 SWSE	1.91 CFS
63-08331	CITY	OF	MERIDIAN	C	06/28/76	12 SWSE	1.89 CFS
63-11737	CITY	OF	MERIDIAN	C	03/20/92	19 NENW	3.00 CFS
63-10105	CITY	OF	MERIDIAN	C	06/29/83	6 NWSE	2.80 CFS
63-11922	CITY	OF	MERIDIAN	C	08/20/92	11 NENE	3.00 CFS
63-02893	CITY	OF	MERIDIAN	C	02/11/52	12 SESE	0.78 CFS
							23.75
87-02025	CITY	OF	MOSCOW	C	03/16/65	7 SENW	2.44 CFS
87-02023	CITY	OF	MOSCOW	C	04/03/64	8 NENW	8.23 CFS
87-07069	CITY	OF	MOSCOW	C	02/26/81	12 NWSE	5.12 CFS
87-07034	CITY	OF	MOSCOW	C	08/04/77	17 NESE	1.45 CFS
							17.24
61-02170	CITY	OF	MOUNTAIN	HOME	C	6 13 SES	9.64 CFS
61-02072	CITY	OF	MOUNTAIN	HOME	C	6 13 SES	2.00 CFS
61-07184	CITY	OF	MOUNTAIN	HOME	C	6 13 SES	4.35 CFS
61-07339	CITY	OF	MOUNTAIN	HOME	C	6 13 SES	4.50 CFS
							20.49
63-02533	CITY	OF	NAMPA	C	02/16/71	22 NWSE	1.22 CFS
63-11729	CITY	OF	NAMPA	C	03/06/92	13 NENWSE	2.68 CFS
63-02781	CITY	OF	NAMPA	C	09/02/49	22 SWNE	3.00 CFS
63-05258	CITY	OF	NAMPA	C	01/01/54	27 SENE	2.67 CFS
63-02782	CITY	OF	NAMPA	C	11/25/59	22 SWNE	1.93 CFS
63-08324	CITY	OF	NAMPA	C	06/01/76	17 SWNW	3.00 CFS
63-07567	CITY	OF	NAMPA	C	03/06/72	14 NWSE	2.79 CFS
63-09180	CITY	OF	NAMPA	C	09/27/78	3 NWNW	4.00 CFS
63-10212	CITY	OF	NAMPA	C	06/28/83	17 SWNE	2.23 CFS
63-10211	CITY	OF	NAMPA	C	03/09/84	3 NWNW	8.69 CFS
63-11511	CITY	OF	NAMPA	C	03/28/90	17 SESW	1.50 CFS
63-02779	CITY	OF	NAMPA	C	09/02/49	22 NWNW	2.00 CFS
63-11894	CITY	OF	NAMPA	C	06/26/92	33 NWNWNW	0.51 CFS
63-05257	CITY	OF	NAMPA	C	01/01/05	22 NESE	0.30 CFS
							36.52
65-02785	CITY	OF	PAYETTE	C	07/15/64	28 SESE	1.02 CFS
65-05630	CITY	OF	PAYETTE	C	04/13/45	28 SESE	0.78 CFS
65-13341	CITY	OF	PAYETTE	C	08/26/91	34 NWNWNE	1.00 CFS
65-12214	CITY	OF	PAYETTE	C	04/05/79	34 NENE	2.12 CFS
65-00065	CITY	OF	PAYETTE	C	06/01/18	34 NWSE	2.00 CFS
65-00068	CITY	OF	PAYETTE	C	06/01/48	28 SESE	0.56 CFS
65-12951	CITY	OF	PAYETTE	C	12/29/88	34 SWNWNE	1.00 CFS
65-12019	CITY	OF	PAYETTE	C	09/22/77	33 SESE	0.22 CFS
65-13389	CITY	OF	PAYETTE	C	05/21/92	33 NWNW	5.00 CFS
65-07001	CITY	OF	PAYETTE	C	06/08/67	28 SESE	1.45 CFS
							15.15
29-04222	CITY	OF	POCATELLO	C	06/16/1898	24 SESW	7.00 CFS
29-00271	CITY	OF	POCATELLO	C	02/26/1869	13 NESE	3.22 CFS
29-07450	CITY	OF	POCATELLO	C	06/13/78	13 NESE	3.34 CFS
29-08086	CITY	OF	POCATELLO	C	03/26/92	1 SWNWSE	7.00 CFS
29-04224	CITY	OF	POCATELLO	C	09/15/55	23 2 SWNE	3.89 CFS
29-00273	CITY	OF	POCATELLO	C	10/01/17	13 NESE	1.22 CFS

29-02401	CITY	OF	POCATELLO	C	10/16/58	7	NENE	15.63 CFS
29-07106	CITY	OF	POCATELLO	C	11/06/72	1	NESE	11.10 CFS
29-04223	CITY	OF	POCATELLO	C	10/01/62	18	SENE	2.67 CFS
29-00272	CITY	OF	POCATELLO	C	10/01/01	13	NESE	0.56 CFS
29-07375	CITY	OF	POCATELLO	C	02/24/77	6	NWSE	3.34 CFS
29-07782	CITY	OF	POCATELLO	C	01/18/85	15	NESE	7.00 CFS
29-04221	CITY	OF	POCATELLO	C	06/01/43	15	NWNE	2.67 CFS
29-02338	CITY	OF	POCATELLO	C	09/01/53	15	SWNE	14.76 CFS
29-04226	CITY	OF	POCATELLO	C	10/01/55	7	NESW	1.22 CFS
29-08116	CITY	OF	POCATELLO	C	12/03/92	1	NENE	5.57 CFS
29-02499	CITY	OF	POCATELLO	C	12/10/64	15	NENE	4.10 CFS
29-04225	CITY	OF	POCATELLO	C	08/15/56	23	NWNE	4.44 CFS
29-02274	CITY	OF	POCATELLO	C	06/15/48	26	NENW	21.00 CFS
29-08115	CITY	OF	POCATELLO	C	12/03/92	23	SWNW	5.57 CFS
29-07322	CITY	OF	POCATELLO	C	04/25/76	35	NWNE	17.07 CFS
								142.37

95-07436	CITY	OF	POST	FALLS	C	05W	1 NW	4.00 CFS
95-08862	CITY	OF	POST	FALLS	C	05W	1 NW	5.00 CFS
95-08048	CITY	OF	POST	FALLS	C	05W	27 SW	3.79 CFS
95-04460	CITY	OF	POST	FALLS	C	05W	34 NW	2.50 CFS
95-04457	CITY	OF	POST	FALLS	C	05W	34 NW	1.20 CFS
95-04458	CITY	OF	POST	FALLS	C	05W	34 NW	1.69 CFS
								18.18

22-07617	CITY	OF	REXBURG	C	12/28/88	30	NESENW	2.20 CFS
22-07175	CITY	OF	REXBURG	C	02/04/76	29	SWSW	5.61 CFS
22-07618	CITY	OF	REXBURG	C	12/28/88	24	SESWSE	0.02 CFS
22-07074	CITY	OF	REXBURG	C	06/19/73	20	SWSW	1.57 CFS
22-07176	CITY	OF	REXBURG	C	02/04/76	31	NESE	4.68 CFS
22-07754	CITY	OF	REXBURG	C	12/17/92	17	SWSW	3.30 CFS
22-07619	CITY	OF	REXBURG	C	12/28/88	24	SWSWSE	0.02 CFS
22-07571	CITY	OF	REXBURG	C	10/13/88	13	SESWSW	1.00 CFS
								18.40

75-07108	CITY	OF	SALMON	C	05/01/78	6	NWSE	1.55 CFS
75-07156	CITY	OF	SALMON	C	10/05/79	6	NWSE	2.25 CFS
75-07454	CITY	OF	SALMON	C	01/19/88	32	SWSW	8
75-07563	CITY	OF	SALMON	C	12/03/90	2	NENW	3
75-07501	CITY	OF	SALMON	C	02/16/90	32	NESW	8
75-00007	CITY	OF	SALMON	C	04/01/1894	2	NENE	4.00 CFS
75-00114	CITY	OF	SALMON	C	04/01/1894	2	NENE	0.50 CFS
75-04084	CITY	OF	SALMON	C	07/01/38	6	NWSE	4.00 CFS
								17.38

47-02361	CITY	OF	TWIN	FALLS	C	17	33 NW	2.33 CFS
36-02646	CITY	OF	TWIN	FALLS	C	17	28 SW	7.47 CFS
47-02373	CITY	OF	TWIN	FALLS	C	17	33 NEN	6.25 CFS
36-02603A	CITY	OF	TWIN	FALLS			SW	45.00 CFS
								61.05

67-07869	CITY	OF	WEISER	C	05/01/91	33	NWNW	3.50 CFS
03-07009	CITY	OF	WEISER	C	11/15/72	32	SWSW	4.46 CFS

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 05/01/91
 11/15/72
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67-02320	CITY OF	WEISER	C	01/07/64	29 ENW	0.55 CFS 8.51
85-07146	LEWISTON	ORCHARDS	IRRIGATION DIST	35N	SWSW	1.34 CFS
85-07428	LEWISTON	ORCHARDS	IRRIGATION DIST	35N	SWSW	2.13 CFS

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AUG 21 1998

THOMAS A. TOWNSEND
447 E. EIGHTH STREET
MOSCOW, ID 83843-3013

10 December 1994

Mr. Dave Rydatch
Chairman, Idaho Water Resource Board
Route 2, Box 108
St. Anthony, ID 83445

Dear Chairman Rydatch,

Noted today the meeting of the Board next Wednesday and one of agenda items being LOID, Lewiston Orchards Irrigation District. Since I cannot attend I would like to pass on some thoughts - LOID several years ago submitted a WR application for a river diversion that I protested on several points. Most importantly was the fact that the LOID infrastructure was so poor that some 30-50% of its surface transmission was lost. Secondly, I did not believe a new WR should be made/approved so as to reward poor management/operations as above. Lastly, I did not believe a moratorium waiver should be considered in view of the flow augmentation problems in Idaho. In time LOID withdrew that application.

Since then the City of Lewiston applied for a new water right which for some reason included current LOID customers. I was not aware that the LOID was included in the Lewiston application; however, on finding out have been asking questions of Norm Young.

In addition to the joint LOID/City of Lewiston WR application approved 7 October 1993 LOID has re-submitted an application that I believe is pending publication and is contemplating another application for four wells - at least according to the Lewiston Morning Tribune.

I don't understand how IDWR allowed a co-mingled water right considering both Lewiston and LOID have water rights that serve the same service area and why Idaho chose to waive its moratorium rules when Oregon and Washington have held steady.

THOMAS A. TOWNSEND
447 E. EIGHTH STREET
MOSCOW, ID 83843-3013

Enclosed is a copy of a recent letter on subject to Mr. Young and a extract from the Lewiston WR application that seems not to be part of the "finalized" packet reviewed in Boise.

Additionally a copy of an editorial regarding the petition process to dissolve the LOID which apparently is being stalled as a result of a loan agreement with the Bureau of Reclamation

This whole area is most interesting and I'm not convinced the Water Allocation Bureau really have their facts lined up properly.

I would appreciate it if you would inquire into the LOID water right (86-7324) that seems to me to be somewhat flawed and its implications/ramifications with the LOID.

Regards,
Tom Townsend

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AUG 21 1998

THOMAS A TOWNSEND
447 E. 8th ST
Moscow, ID 83843

7 December 1994

Mr. Norman Young
Administrator, Resources Admin. Div.
Idaho Department of Water Resources
1301 N. Orchard Street, Statehouse mail
Boise, Idaho 83720-5000

RE: City of Lewiston/Lewiston Orchards Irrigation District (LOID)

Dear Mr. Young,

Your letter of 1 December 1994 received. Turning to that letter the following comments apply to the numbered paragraphs of your response.

1. "Enclosed is a copy of the complete application as it was finalized with the department..." I don't understand the concept of "finalized" as you seem to use it. The application cited as "finalized" which you forwarded to me on 1 December is missing paragraphs 10, 11, and 12 which I believe are crucial to an understanding of what this application is about. Paragraph 10 cites two (2) existing water rights used for the same purposes (municipal/domestic) totaling 18.60 CFS whereas WR records indicate at the time of application Lewiston held ^{other} allocations of 15.10 CFS (municipal) and 1.0 CFS (Domestic) thus bringing the allowable appropriation to 34.70 CFS prior to the time WR 86-07324 was authorized. Total appropriation now authorized is 53.3 CFS, a substantial volume for a city the size of Lewiston.

Given that Paragraph 4 notes the major use is for municipal/domestic purposes it seems odd that the applicant failed to note the existence of some 15.1 CFS already allocated for municipal use or 1.0 CFS for domestic ^{MICROFILMED} ~~even~~ existing water rights were totally missing from ^{AUG 21 1994} the application. It strikes

this observer that the applicant has a responsibility to fully answer the questions posed in the Application for Permit.

Paragraph 12 clearly notes the intent of the proposed appropriation to provide a viable water supply "for the City of Lewiston within the corporate limits and to include the present Lewiston Orchards Irrigation District customers." This assertion, made in justification for a large appropriation is puzzling. Why would the City of Lewiston seek a new water right to support an already established independent irrigation district that mainly lies within corporate limits and independently supports a potable and irrigation system for its customers?

Paragraph 12 continues "This appropriation shall maintain a viable water supply for Lewiston customers before Loid". Was this statement intended to mean the City of Lewiston was preparing to take over/assume the responsibility for providing Loid customers with either domestic potable water or irrigation water or both and deemed it necessary to ask for an additional 18.6 CFS to do this?

This statement raises two additional considerations. The wording infers ~~two~~ classes of customers, a priority if you will. The City of Lewiston shall serve its old customer base first and then, if circumstances permit, serve the customers normally served by the Loid -

The second observation is that the Loid had not, to my knowledge, at the time of the Lewiston application made any representations to the City of Lewiston that the District asked to be assisted. On what grounds may a municipal proponent cite as justification for its own benefit the presumed requirement to support a second party; i.e.,

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AUG 21 1998

another independent water supplier with its own water rights and distribution system in place and not requesting the first party to assist?

Since paragraph 12 is part of the justification statement for a massive 53% increase in appropriation allocations for Lewiston it seems to this observer that the application is basically flawed by the inclusion of the independent second party, the LOID, in the justification process.

Given the current situation where there is a move to disband the LOID by petition to call an election on dissolution one could reasonably reach the conclusion that the approval of WR 86-07324 by IDWR, Boise was a calculated move of assistance to the City of Lewiston should it choose to participate in the assumption of LOID's duties.

Given the vagaries about the application and the fact that IDWR waived the moratorium bans in view of the problems with flow augmentation that possibility exists.

3. "Overlapping water rights --" I find this departmental policy to be amazing in a state where seniority in water rights is paramount. Obviously, if a person holds senior water rights from both ground and surface water sources for the same points of diversion, this means a junior holder is effectively blocked from utilizing the unused allocation of the senior until it may be too late to put to beneficial use.

Enclosed is a copy of what appears to be the original application, paragraphs 10-12 that were unaccounted for in the "finalized" copy you furnished to me.

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AUG 27 1998

Given the handling of the application, its changes, the omissions, the inclusion of the LOID as justification rationale, the moratorium waiver and the perception of departmental favoritism toward the applicant urges me once again to suggest IDWR re-open this issue before it becomes an embarrassment.

Submitted,
Thom A. Lammert

CC: Chairman, IWRB
Mr. Ken Hungerford

File



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

December 23, 1994

Thomas Townsend
447 E. 8th St.
Moscow, ID 83843-3013

RE: LETTER INQUIRY RELATIVE TO PERMIT NO. 86-07324

Dear Mr. ^{Tom}Townsend:

I have reviewed your letters dated December 3 and December 7, 1994, concerning permit 86-07324. Many of your questions can be answered only by the City of Lewiston or by the Lewiston Orchards Irrigation District. However, I can provide the following responses to some of your concerns.

1. The department advertises all applications for permit in at least one newspaper serving the area where the water use is proposed. For your review, I have enclosed a copy of the advertisement for 86-07324 as it appeared in the Lewiston Morning Tribune on August 5 and 12, 1993. Protests are usually based on the information presented in the advertisements.

2. I am sorry that an incomplete copy of the application for permit was sent to you. The page containing the answers to items 10, 11, and 12 is partially folded and may have been photocopied incorrectly. I am glad that you were able to obtain the information contained in items 10, 11, and 12.

3. Overlapping water rights from different sources are common for various reasons. When drought occurs, a full supply of water from one source may not be available. Water appropriators are allowed to develop rights from additional sources to cover those times when their usual supply is not available from the primary source. Water users are not entitled to take a full supply for a single purpose from both sources simultaneously.

4. The Lewiston Orchards Irrigation District has taken a position related to the permit. We have on file a photocopy of a letter (copy enclosed) from Randy Moore, LOID manager, to Bud Van Stone, Public Works Director for the City of Lewiston. The letter, dated April 20, 1993, says in part, "In regards to this

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AUG 21 1998

Mr. Thomas Townsend
Re: Permit 86-07324
Page 2
December 23, 1994

application we can find no negative impact. We support your application."

5. A quick review of the department's records indicates the diversion rate authorized for the City of Lewiston is not out of line with those authorized for other cities of similar size in Idaho. For example Coeur d'Alene with a population in 1990 of 24,500 (Idaho Blue Book 1993-94) has an authorized diversion rate of 47 cfs. The City of Twin Falls (1990 population 27,600) has an authorized rate of 61 cfs. By comparison Lewiston (population 28,100) has an authorized rate of about 53 cfs. Obviously differences in location, area, use of water from sources other than the city system, expected growth and many other factors make a simple comparison such as this less than conclusive, but it is at least an indication that the permitted rate for Lewiston is in the same "ball park".

6. As we have previously discussed, the moratoriums imposed by the states of Oregon and Washington are not absolute prohibitions against further use of water. It is my understanding that applications filed prior to the moratorium order are considered for approval and that reservations of water, not subject to the moratorium provisions, have been made or are being considered. Idaho's moratorium applies to all unapproved applications, but allows for approval of an application if public interest considerations indicate a need to do so. I am enclosing copies of letters from LOID, Nez Perce County, Redrock Land and Water, Inc. and the Department of Fish and Game, received with the application, that indicate support for the application and indicate the public interest in approval of the application.

I thank you again for your interest in permit 86-07324. If you have additional questions, please contact me or Bob Haynes in our Coeur d'Alene office.

Sincerely,



NORMAN C. YOUNG
Administrator

Encls: Copy of Newspaper Advertisement
Copies of letters

c: IDWR - N. Region, Water Allocations Bureau
Dave Rydalch
Ken Hungerford

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AUG 21 1998

THOMAS A TOWNSEND
447 E. 8th St
Moscow, ID 83843

7 December 1994

Mr. Norman Young
Administrator, Resources Admin. Div.
Idaho Department of Water Resources
1301 N. Orchard Street, Statehouse mail
Boise, Idaho 83720-5000

RECEIVED

DEC 09 1994

Department of Water Resources

RE: City of Lewiston/Lewiston Orchards Irrigation District (LOID)

Dear Mr. Yang,

Your letter of 1 December 1994 received. Turning to that letter the following comments apply to the numbered paragraphs of your response.

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Given that Paragraph 4 notes the major use is for municipal/domestic purposes it seems odd that the applicant failed to note the existence of some 15.1 CFS already allocated for municipal use or 1.0 CFS for domestic. Seven existing water rights were totally missing from the application. It strikes

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AUG 21 1995

this observer that the applicant has a responsibility to fully answer the questions posed in the Application for Permit.

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Paragraph 12 continues "This appropriation shall maintain a viable water supply for Lewiston customers before LOID". Was this statement intended to mean the City of Lewiston was preparing to take over/assume the responsibility for providing LOID customers with either domestic potable water or irrigation water or both and deemed it necessary to ask for an additional 18.6 CFS to do this?

This statement raises two additional considerations. The wording infers two classes of customers, a priority if you will. The City of Lewiston shall serve its old customer base first and then, if circumstances permit, serve the customers normally served by the LOID -

The second observation is that the LOID had not, to my knowledge, at the time of the Lewiston application made any representations to the City of Lewiston that the district asked to be assisted. On what grounds may a municipal provider cite as justification for its own benefit the presumed requirement to support a second party;

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another independent water supplier with its own water rights and distribution system in place and not requesting the first party to assist?

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Given the current situation where there is a move to disband the LOID by petition to call an election on dissolution one could reasonably reach the conclusion that the approval of LWR 86-07324 by IDWR, Boise was a calculated move of assistance to the City of Lewiston should it choose to participate in the assumption of LOID's duties.

Given the vagaries about the application and the fact that IDWR waived the moratorium bans in view of the problems with flow augmentation that possibility exists.

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Enclosed is a copy of what purports to be the original application, paragraphs 10-12 that were unaccounted for in the "finalized" copy you furnished me.

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Given the handling of the application, its changes, the omissions, the inclusion of the LOID as justification rationale, the moratorium waiver and the perception of departmental favoritism toward the applicant urges me once again to suggest IDWR re-open this issue before it becomes an embarrassment.

Submitted,

John A. Lammert

cc: Chairman IWRB
Mr. Ken Hungerford

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AUG 21 1998

8. Description of proposed uses (if irrigation only, go to item 9):

- a. Hydropower; show total feet of head and proposed capacity in KW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; show name of municipality. City of Lewiston
- d. Domestic; show number of households. 6,200 LOID Water District & 5,220 City of Lewiston
- e. Other; describe fully. DOMESTIC USE IS FOR 28 HOMES, STOCKWATER USE IS FOR 10 HEAD OF RANGE STOCK, INDUSTRIAL USE IS FOR 3 ^{manufacturing} INSTALLATIONS; COMMERCIAL USE IS FOR 1 REST HOME, 1 FIRE STATION, 1 STOCKYARD, & HELLS GATE STATE PARK

9. Description of place of use: All use will be domestic within corporate limits.

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
36N.	SW	30		D 1	D .5														1.5
36W.	SW	29													D .5				.5
~~36W.~~	~~SW~~		See Above: All MUNICIPAL domestic usage within City Limits																
36W.	SW	33										D 4	D 1						5
35N.	SW	4						D 1											1
35N.	SW	22									D 2.5	D 2.5							5
35N.	SW	13													D .5			D .5	1
35	4W	18				D .5					D .5	C 1		D .5	D .5	D .5			3.5
35N.	4W.	17										D .5		D .5					1
35N.	4W.	19		D .5															.5
35N.	6W.	24	I .5	S															.5
35N.	6W.	13					~~4~~	C											
35N.	6W	17					I .5												.5

* These are the sections I question re my letter to Norm King — Total number of acres to be irrigated 20

10. Describe any other water rights used for the same purposes as described above. 86-04034 (10.7 CFS) 86-07090 (7.9 CFS)
11. a. Who owns the property at the point of diversion? Corps of Engineers
- b. Who owns the land to be irrigated or place of use? Municipal
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____
12. Remarks: This application is intended to appropriate water for the City of Lewiston within the corporate limits and to include the present Lewiston Orchards Irrigation District customers. This appropriation should maintain a viable water supply for Lewiston customers before LOID.

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AUG 21 1993

OCT 25 1993

ORCHARDS WATER

Petitioners want LOID to call vote on dissolving

Landowners say trustees are stalling

By Mohsin Askari
of the Tribune

Saying Lewiston Orchards Irrigation District officials are stalling, sponsors of a move to dissolve the district are preparing to go to court to force the board of directors to call an election on dissolution.

A petition to dissolve the district was presented to the board of directors at a public meeting Oct. 27. The petition was signed by almost 500 Lewiston Orchards landowners.

Under state law presentation of a valid petition requires an

election to be held, at which residents and landowners decide whether the district should be dissolved or allowed to continue.

The only public response to the petition from the board of directors so far is that it has been sent to the U.S. secretary of the interior because of LOID's contractual obligations to the U.S. Bureau of Reclamation.

Lewiston lawyer Jay P. Gaskill, who is representing the sponsors of the petition, does not accept this position, however.

"It is our position state law would take priority over the terms of the contract," he said Tuesday.

Gaskill said he plans to initiate legal proceedings in about a week to force the district to hold elections.

LOID is an irrigation district formed under Idaho law. It provides domestic and irrigation water to Lewiston Orchards, where more than half of Lewiston's residents live.

The district has been plagued by a shortage of irrigation water for the past several years, which has forced it to ration water in the summers.

There is no shortage of do-

mestic, or potable, water at present.

Sponsors of the dissolution move want the city of Lewiston to take over water distribution responsibilities.

Gaskill sent a letter to the district Nov. 30 asking that the board set a date on which elections will be held or face legal action. The letter also stated that legal fees and costs will be sought from the district should it be necessary to go to court.

The district's response, made a few days later, was to inform sponsors of the fact that the petition has been forwarded to the secretary of the interior.

"The board will not act in

violation of their agreement until they hear from the secretary of the interior," LOID lawyer Earl L. McGeoghegan said Tuesday.

He said he had no idea what the secretary would say.

The Bureau of Reclamation gave LOID a loan in 1947 for improvements to the system, and owns the district's water rights as a result. A portion of the interest-free loan is still outstanding.

Neither Gaskill nor Morton Brigham, a retired engineer who is one of the petition's sponsors, accepts the LOID argument.

"Idaho law is clear. If 25 or

more landowners want election they have to hold it. There is nothing in the Idaho code that says if they are financed by the Bureau of Reclamation it doesn't apply," Gaskill said.

Brigham accused LOID of stalling.

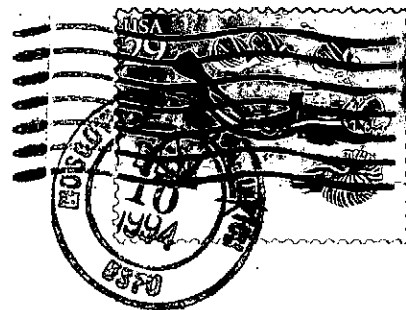
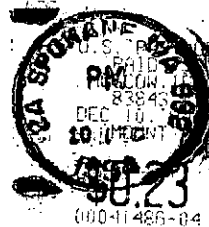
"I don't think there is any validity to their argument that they have to send it to the secretary of the interior," he said. "I don't believe very much of what they are saying, and that's one of the things I don't believe."

The fact that LOID received a loan from the bureau many years ago does not make it immune from state law, he said.

THOMAS A. TOWNSEND
447 EAST EIGHTH STREET
MOSCOW, IDAHO 83843



0000



Mr. Dave Rydell
Chairman, Idaho Water Resource Board
Route 2, Box 108
St. Anthony, ID

83445

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Department of Water Resources

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#35N.	SW	13													D .5			D .5	1
#35W.	4W	18				D .5					D .5	C 1		D .5	D .5	D .5			3.5
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#35N.	4W	19		D .5															.5
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Department of Water Resources

Wednesday, December 7, 1994/Lewiston Morning Tribune 13A

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AUG 21 1994
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ORCHARDS WATER

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■ Landowners say trustees are stalling

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of the Tribune

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more landowners want election they have to hold it. There is nothing in the Idaho code that says if they are financed by the Bureau of Reclamation it doesn't apply," Gaskill said.

Brigham accused LOID of stalling.

"I don't think there is any validity to their argument that they have to send it to the secretary of the interior," he said. "I don't believe very much of what they are saying, and that's one of the things I don't believe."

The fact that LOID received a loan from the bureau many years ago does not make it immune from state law, he said.

12/3/94
Nendels Norm Yag -
MOTOR INNS

Received your letter of 1 December
and copies of application &
Permit.

my copy of the application
differs from the one you sent.

(1) Your new application is missing
Para./Sections 10, 11, & 12. Para 12
especially points up the LID
connection -

(2) my copy did not include
Para./Section 13 with the
Signature of the major

MICROFILMED

1992 11 1990

THOMAS A. TOWNSEND
447 E. EIGHTH STREET
MOSCOW, ID 83843-3013

3 December 1994

Mr. Norman Young
Administrator, Resources Admin. Div.
Idaho Dept. of Water Resources
1301 N. Orchard / Statehouse Mail
Bowe, Idaho 83720

RECEIVED
DEC 05 1994
Department of Water Resources

Dear Norm,

Another clipping from the Lewiston Tribune on the LOD -
City of Lewiston.

If LOD is actually contemplating the drilling of far new
wells I cannot understand why the City of Lewiston included that
area of diversion (Lewiston Orchards) in the city's water right
granted in 1993.

The writer of the letter is a retired meteorologist in
Lewiston, former City Councilman, and a thinking citizen that
keeps up on what is happening in that region.

Regards,

Tom Townsend

P.S. See attached note. Question
arises why the applications are
different and what one a protestant
would have seen at the time of comment.

MICROFILMED
AUG 21 1998

Pullman

12/1/54 LMT

Critics are right

The recent statement from Bud Van Stone, public works director of the city of Lewiston, in the Nov. 11 issue of the Tribune, verifies what critics of LOID (the Lewiston Orchards Irrigation District) have been saying from the beginning. There has never been a serious effort on the part of LOID to seek cooperation with the city in solving the water problems of the Orchards.

I attended the informational meeting of LOID on Oct. 27 and in response to a single question on what role the city might play in bringing water to the district we received an answer, the gist of which was the city could not supply the water needed, period.

We then received the grandiose plan for drilling four wells and a million-gallon storage reservoir at a bargain price of \$4.2 million to be raised with a bond election. Going to the Clearwater River, for which no permit has yet been issued, could be done for something in the range of \$20 million to \$40 million. Finding the supermajority necessary for either of these two bond issues appears unlikely.

For whatever reason the LOID board refuses to cooperate with the city in bringing a better quality of domestic water to Orchards citizens, they have no reasonable alternative. The following quote from Mr. Van Stone deserves repeating: "But with some relatively inexpensive improvements to the delivery system, mainly addition of a pump and some line improvements, the city will be able to meet the entire demand for domestic water in the Orchards."

One might reflect on this the next time you unplug the shower head or clean a few inches of sludge from the hot water heater.

ROBERT N. WING

Lewiston

MICROFILMED

AUG 21 1998



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

December 1, 1994

Thomas Townsend
447 E. 8th St
Moscow, ID 83843-3013

RE: LETTER INQUIRY RELATIVE TO PERMIT NO. 86-07324

Dear Mr. Townsend:

I have reviewed your letters dated October 26, November 14 and November 16, 1994, relative to the above referenced permit.

In your letter you generally describe your perception of the application/permit in question and then raise several questions to which the following responses apply:

1. The maximum authorized rate of diversion is 18.6 cfs. Enclosed is a copy of the complete application as it was finalized with the department and a copy of the permit as issued for 86-07324.
2. The general practice of the department is to treat municipal use as applying to uses within the city limits of a municipality, although the department presently is currently reviewing this matter with respect to the "service area" of a municipal water provider rather than city limits.
3. Overlapping water rights are quite common particularly when the source of supply is different. An example is an irrigator who often has a full water supply from ground water and a full water supply from surface water. When used jointly, however, the water rights can not be used to "double" the water which can be diverted or beneficially used at one time.

The department does not plan to rescind the water right permit, since the permit was issued in compliance with applicable law. Department procedures do not provide for consideration of projects received after the permit is issued.

I have again reviewed department records to determine if Lewiston Orchards Irrigation District (LOID) has filed an application for additional ground water rights. Our records do not list any permits for the LIOD to develop additional ground water.

MICROFILMED
AUG 21 1998

Thank you for your interest in this matter. If you have additional questions, please contact me or Bob Haynes in our Northern Regional office in Coeur d'Alene. The mailing address there is 1910 NW Blvd, Suite 210, Coeur d'Alene, ID 83814.

Sincerely,



NORMAN C. YOUNG
Administrator

Encls:

c: IDWR - N. Region
Water Alloc Bureau

MICROFILMED
AUG 21 1998

THOMAS A. TOWNSEND
447 E. EIGHTH STREET
MOSCOW, ID 83843-3013

16 November 1994

Mr. Norman Young
Administrator, Resources Admin Div.
Idaho Department of Water Resources
1301 N. Orchard St. / Statehouse Mail
Boise, Idaho 83726-9000

RECEIVED
NOV 21 1994

Department of Water Resources

RE: WATER RIGHTS: CITY OF LEWISTON & LOID.

Another c/l, going from the LMT. I believe the LOID has a water right application for permit at Coeur d'Alene for the new wells. This on top of the 18.60 CFS allocation that Bullstone slid through on Lewiston's permit application that seems destined to be used in the Lewiston Orchards Irrigation District.

I strongly disagree once again with the waiver of the moratorium by IDWR since our neighbor states seem ready to sacrifice a bit on their takings in order to provide relief for the anadromous fish runs. I don't know whether that temporary sacrifice is scientifically validated but Idaho seems to be the odd man out in this case.

Again I would protest this application as being submitted under false pretenses and not subject to public scrutiny and/or objection. Unfortunately I have no access to a certified true copy of the original submission. The copy I have is surely in its 5th or 6th revision and very suspect.

MICROFILMED

AUG 21 1998

Regards,

Tom Townsend

OPINION

● LOID prepares to go to the well twice too often

It's time Lewiston Orchards residents decided whether they want to pay for water or whether they want to pay for water and a water district.

The Lewiston Orchards Irrigation District is preparing to spend \$4.2 million to drill four new wells for its domestic water supply. But Bud Van Stone, public works director for the city of Lewiston, says two of those wells wouldn't be necessary if LOID acquired all

its domestic water from the city system. And that would be possible at much less cost than the money the district plans to spend on the wells, Van Stone says.

That news might not be welcome to people who rely on LOID for their income, but people who rely on the district just for water should take notice. If what Van Stone says is true, their water district is getting ready to waste their money.

And it is doing it at a time when it is supposed to be conducting a joint study with the city to determine the cheapest way of getting more water. And although LOID Manager Randy Moore says the study is under way, Van Stone says it has yet to be started.

It shouldn't make much difference to LOID ratepayers who is right in that argument. There is no disagreement that LOID is proceeding with plans for the wells before

the study is completed.

That doesn't make much sense, unless you are interested in turf as well as water.

Ratepayers might want to consider that when they receive advice about where to turn for water. They should ask themselves what's in it for the person giving the advice, and then ask themselves what's in it for them. — J.F.

THOMAS A. TOWNSEND
447 EAST EIGHTH STREET
MOSCOW, IDAHO 83843

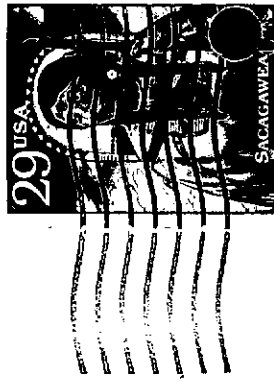
MICROFILMED

AUG 21 1998



Mr. Norman Yang
Administrator, Resources Admin. Div.
Idaho Department of Water Resources
1301 N. Orchard St./Statehouse Mail
Boise, Idaho

83720-9000



14 November 1994

Mr. Norman Young
Administrator, Resources Administrative Division
Idaho Department of Water Resources
1301 N. Orchard Street / Statehouse Mail
Boise, Idaho 83720-9000

RECEIVED

NOV 16 1994

Department of Water Resources

SUBJ: WATER RIGHTS, CITY OF LEWISTON AND LEWISTON
ORCHARDS IRRIGATION DISTRICT

Dear Mr. Young,

I trust that my comments about the Department's
approval of Lewiston's WR application are not being
shelved.

The two enclosed newspaper articles from the Lewiston
Morning Tribune tend to spotlight the questions I have
raised. Out of the blue comes a water right to the
City of Lewiston which now includes water intended to serve a
portion of the city already served by an irrigation district.
The water right, rather the Application for Permit, is very
questionable in a number of areas and the probability that
the unaltered original still exists is questionable.

The existence of two water delivery systems in the
same city is obviously an expensive redundancy, it probably
is a good idea for Lewiston to take control of the patch
delivery. What concerns me is the way the WR applicat
was handled, the secrecy about LWD being added to the
service area and no discussion about duplicative water rights
for the same service area. May I hear from you soon?
Sincerely,
Tom Townsend

Thursday, November 10, 1994/Lewiston Morning Tribune 3C

LOID board of directors hears request for reassessment

By Mohsin Askari
of the

The board of directors of the Lewiston Orchards Irrigation District Tuesday was asked not to assess homeowners a fee for streets adjacent to houses.

The directors, with Robert Bergamo absent, were sitting as the board of corrections when the request was made by Lewiston Orchards resident Morton Brigham.

Brigham, who is also spearheading a drive to dissolve LOID, faced hostile comments from a resident in the audience, Norm Sanford, during a meeting that became tense at times.

Remarks were also made about the

city of Lewiston's high water charges by Sanford.

Brigham said that for years he has been assessed water fees for half the street adjacent to his home.

He said this is the case with homes and businesses in the Orchards, and is the result of an agreement between LOID and the U.S. Bureau of Reclamation, reached when the district took a loan from the bureau.

One way of doing away with the requirement is to pay off the loan to the bureau, he said.

LOID board chairman Robert E. Jones said the complaint has been noted and will be addressed later.

LOID engineer Richard Wyatt said in the Orchards, all property is assessed to the street line for tax purposes, except in the newer subdivisions.

Brigham then asked about the outcome of a letter written by the city of Lewiston's public works director, Bud R. Van Stone, to LOID about the city's capacity to supply domestic water to the district.

But he was told by LOID attorney Earl McGeoghegan that is an administrative matter between two departments heads.

Brigham also questioned why a public hearing was not held on LOID's proposal to drill wells to augment irrigation water supply.

Jones told him a public hearing is not necessary, and that a meeting was held

to inform residents.

McGeoghegan said if the board decides to sell bonds to finance the plan, then a public hearing may be held.

The board did decide that Boise bond attorney Michael Moore be asked to make a presentation to the board. No date was set.

There was no word on the petition to dissolve the district, other than McGeoghegan's statement that he has sent the petition to the federal government which he said he is required to do.

A three-person committee of board members was set up to negotiate with the Nez Perce Tribe. The members are Jones, Kevin Skow and Helen Smith, with Milton Lind as the alternate.

MICROFILMED
AUG 6 1 1998
AUG 2 1 1998

Decision to drill wells is being questioned

■ Under LOID's plan, four wells to be drilled to build irrigation water source

By Mohsin Askari
of the Tribune

A city of Lewiston official is questioning the Lewiston Orchards Irrigation District's decision to drill wells for water without waiting for the results of a joint study on water supply.

Lewiston Public Works Director Bud R. Van Stone also questioned the need for LOID to drill four wells at a cost of \$4.2 million when the city can help save half this cost by supplying water it has.

"I wanted to express my disappointment. I couldn't see the point in LOID joining us in a joint study when they had already announced to the world what their plan was," Van Stone said in an interview.

He explained the idea behind a joint study was to have an independent firm examine the alternatives for supplying water to all citizens of Lewiston.

LOID officials, however, announced their plan Oct. 27 without the benefit of such a study.

"I couldn't understand the wisdom of proceeding with a joint study when the decision on how half the citizens would get water had already been made," Van Stone said.

Under LOID's plan, four wells will be drilled to augment LOID's dwindling irrigation water source. A 2-million-gallon storage tank also is planned to be built.

The wells will be financed through a bond issue estimated at \$4.2 million.

Also part of the plan is to seek water from the Clearwater River. This, too, will have to be financed with a bond issue. The estimate for this project is between \$20 million and \$40 million.

When Van Stone's concerns were mentioned to LOID manager Randy Moore he said, "We have internal decisions we make within this district. We are also cooperating with the city. The joint work is continuing on."

Moore said a joint water study between LOID and the city has continued directly in line with the verbal agreements between the district

and the city.

But Van Stone has a different interpretation. He said the agreement between the two entities to have a study done was arrived at several months ago, but it did not move forward.

He said Wyatt Jaykim Engineers were supposed to provide a plan and a cost estimate, but have not done so. And LOID, which was supposed to have provided an outline of the proposed study last month has not done so either.

Van Stone stressed his sole concern is with the cost of water to citizens, and he does not care about the city taking over LOID or what LOID does.

"I believe the citizens of Lewiston are entitled to a study of the alternatives available to them," he said, adding this will help them decide which alternative they would prefer to have.

Because of economies of scale, there are some advantages, for instance, to one entity supplying the entire city if that is the reasonable way to do it, he said.

Van Stone also clarified the amount of water the city can provide to the Orchards, information that also was sent to Moore in a letter dated Nov. 4.

The city of Lewiston, he said, has enough water to supply all citizens, the Orchard's included. It does not have the capability of delivering that water to the Orchards yet.

The city can provide 1.4 million gallons of treated water a day to the Orchards as the system is now. This is about two-thirds of the Orchards' peak summer demand.

But with some relatively inexpensive improvements to the delivery system, mainly addition of a pump and some line improvements, the city will be able to meet the entire demand for domestic water in the Orchards.

This will permit using water from LOID's two existing wells for irrigation purposes.

"By doing this you could eliminate the cost of drilling two of the four proposed wells," Van Stone states in the letter.

Lewiston, City

85-2099	GLW	2.67	86-4032	GLW	1.00
85-2131	GLW	3.9	86-4034	Chamber	10.7
85-4017	GLW	4.0	86-7090	Chamber	7.9
85-4019	GLW	2.3	86-7324	Chamber	18.6
85-7015	GLW	8.85			
85-7158	GLW	1.38			

Lewiston Orchards

85-02063	- WASH LAKE	10 c/p
- 02065	Webb Ck	40 c/p
- 02146	Webb Ck	2000 A-F (?)
02147	Cop. Johnson	2000 A-F
85-7146	GLW	1.34
85-7428	GLW	2.130

MICROFILMED

AUG 21 1998

26 OCTOBER 1994

Mr. Norman Young
Administrator, Resources Administration Div.
Idaho Department of Water Resources
1301 N. Orchard St. / Statehouse mail
Boise, Idaho 83726-9000

RECEIVED
OCT 28 1994
Department of Water Resources

SUBJ: WATER RIGHTS CITY OF LEWISTON AND LEWISTON ORCHARDS
Irrigation District (LOID)

Dear Mr. Young,

The Department's approval of Water Right 86-07324 on 7 October 1993 is very confusing as it pertains to the relationships between Lewiston and LOID, departmental policies regarding use of municipal water outside of municipal limits and selective waivers of existing moratorium regulations.

The Lewiston Application for Permit (86-7324) submitted to the IDWR Northern Region Office in Coeur d'Alene is dated on the upper left corner of the first page as being received on 23 September 1993 while a second dating of 25 October 1993 is stamped under the notation "MICROFILMED" on the lower right corners of pages 1 and 2. The "date received by" is noted on the last page as 28 April 1993 which is later confirmed by the priority date established by the department.

These date stamps are not important in themselves except to indicate the fact that between the time the application was submitted in April 1993 the application was under internal review until it was locally ~~microfilmed~~ ^{MICROFILMED} in August 1993.

AUG 21 1998

The application on review is a mix of strike-outs and additions, entries in handwritten form and typewritten form and the copy I have has a section, Paragraph 10-12, added on which is somewhat different than the original, or so it appears, para. 13 and signature of applicant also missing.

Historically, at the time of submission both the Clearwater and Snake Rivers were under a moratorium regulation and the State of Washington also had a moratorium on the Snake River. Realizing a waiver is possible by departmental action I had already raised the issue on equity grounds previous to this time in a protest to a LOID application (WR-037050). I thought it was inappropriate for Idaho to grant a waiver in that instance and cannot believe the IDWR would waive the moratorium for the Lewiston request as it has done. The Washington moratorium is temporarily off; however, seems destined to return. IDWR seems to say its O.K. for Lewiston to take water from a main tributary to the Snake while Washington prohibits Clarkston from the same.

It is difficult to tell how the Lewiston application was changed/amended between the time it arrived in Coeur d'Alene and the publication date. For the record I did not contest this application because I thought it concerned only the City of Lewiston. I was unaware from the legal notice that it seemed to weave the LOID into the equation.

Looking back again, the LOID application (WR-037050) of June 1992 wished for 33 cfs from the Snake River. This application was protested by the undersigned for a number of reasons. The District chose to withdraw that application on 14 April 1993. I was unaware of their rationale.

MICROFILMED
AUG 21 1998

I find it more than coincidental that the City of Lewiston would then within two weeks submit a WR application under their name that just happens to include the intended servicing of 6200 LOID customers, some 1000 more than the city customer base. In looking to see exactly where this appropriation would be used I ran into the confusion between the data shown para. 9 reflecting domestic, irrigation stock watering, commercial, and municipal uses and the data noted as approved in the permit. For example an approved amount of ^{No} 24.80 CFS is noted for municipal use yet is not specifically reflected as such in para. 9. I take it that the domestic use is outside the city limits.

Without going into extensive map exercises it seems to this observer that the domestic use authorized is outside the city limits for the 28 homesites. I suspect they may be outside LOID limits as well. The status of the other uses described in para. 8.c. is questionable as well.

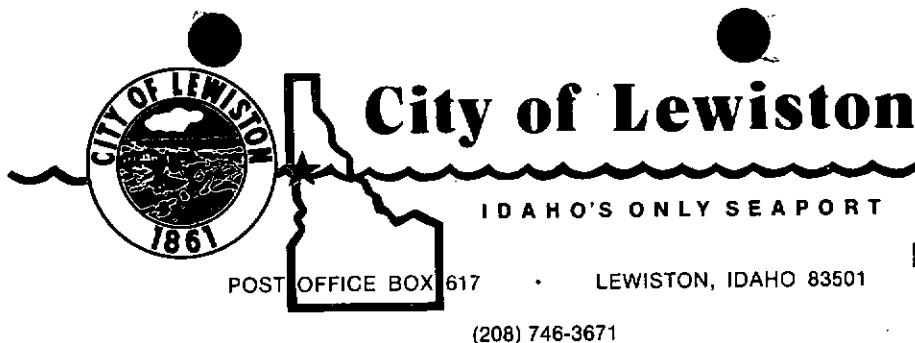
The point of this inquiry is that I understood that municipal services were not to be granted outside of city limits and this approved WR seems to refute that belief.

As an aside before moving on I would note the application I received from Saxton's office does not contain a para. 13 and the signature of the applicant. I mentioned the application copy I have is a paste-up affair.

Lastly, I raise the issue of what I perceive as dual water rights for the same area of use. LOID presently has water rights in its name and those of the U.S. Bureau of Reclamation. This newly approved water right for the City of Lewiston seems to grant ^{overlapping} rights to serve the same geographic area, in this case the LOID.

-3-

1998



RECEIVED

SEP 19 1994

Department of Water Resources

September 13, 1994

208-743-7461

Mr. Glen Saxton
Bureau Chief
Allocation Section
Department of Water Resources
1301 North Orchard Street
Statehouse Mail
Boise, Idaho 83720-9000

RE: Permit No. 86-07324

Mr. Saxton:

This letter is a status update of the work related to the above referenced permit. The City of Lewiston has just completed their fiscal year budget for 1994 - 1995. We had proposed to commence design of the water treatment plant in this budget year to utilize the new water appropriation. Because of the developments with water concerns in the Lewiston Orchards Irrigation District and their desire to work with the City on this project, a joint study has replaced this water treatment plant design in this next budget year.

This study should determine the water requirements in both districts and will delineate the final location and size of the new diverting works and water treatment plant. With this information design and construction can begin. We hope that this information will keep you updated on the progress of our water treatment plant project for the development of the water rights that were acquired.

Should you have any questions or concerns, please let me know.

Sincerely,

David M. Six
Water Systems Manager

cc: Jan Vassar, City Manager
Bud VanStone, Public Works Director
Rich Puckett, Utilities Director

MICROFILMED

AUG 21 1998



Printed on
recycled paper.



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

October 7, 1993

CITY OF LEWISTON
PO BOX 617
LEWISTON ID 835010617

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 86-07324

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. Please be sure to thoroughly review the "CONDITIONS/REMARKS:" listing on the permit.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed. You will receive a "Proof Due Notice" from this Department approximately 60 days prior to the completion date requiring you to file either a Proof of Beneficial Use form stating that the project has been completed or file a Request for an Extension of Time in which to file the proof statement.

Be sure to note the special condition requiring you to install a measuring device. Enclosed, for your reference, is a list of measuring device options.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Jim Johnson', is written over a horizontal line.

JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosures

MICROFILMED

OCT 25 1993

APPLICATION FOR PERMIT
STATE OFFICE REVIEW

Application #: 86-7324 Date: 10/1/93 Reviewer: Cindy Zimmerman

AREA OF CONCERN? - No/Yes S/C Mor

SYSTEM COMPLETED:

No - 26A-PT7

Complete in 1 year - P16

Yes

Proof not submitted - P16

Proof submitted - N/A

GROUNDWATER:

+ 0.2 cfs <flo-ch> - 01G-P03 (new), 01C-P03 (existing), NMR

- 0.2 cfs - NMR <flow chart>

Drilling Permit:

Included w/permit - P99 Permit No. _____

Existing well - N/A (if drilled before 7/1/87)

No WD permit? - 046-46A<Irr>-46B-P23 (if drilled after 7/1/87)

SURFACE WATER: not in WD - 01C-P03 (+.2 w/pump), NMR <flow chart>

LOCATION:

Water District - WD No. _____

Surface water - 005 or 005-01J-P08 (+.2, or -.2 no pump) or 005-01H-P01 (-.2 w/pump); NMR

Groundwater - P05 (if well has not been drilled)

In stream channel - 030 (stream channel alteration)

Irrigation Dist. - 023

Canal Co. Areas - 023

Drainage Districts - 024

Flood Control Dist. - 063

Boise Front (63) - 058 (Groundwater temperature)

Swan Falls Flag - B <See condition code chart>

Trust - 051-052-053-P74 (Consumptive Uses)

Non Trust <1> - 048-049

RIVER BASINS (Surface): Water District Control Condition (005) &....

Boise (63) - 05A (req), 11E (non-domestic use), NA

Payette (65) - 064 (consump. use), 047-P04 (Payette Lake), NA

Snake (01, 02 & 03) - 11A-P04 (01), 061-P07 (02/03 No W.D.Cond.), NA

USE:

Fish Propagation - 010/06A/09E-P10 (WQ) & 07A-042-002-P06 (MD) (req) 044 (N 1000 Spr)

Irrigation - 803 (if GW use SW 1st) (+5A do POU comparison)

Power - 08A-17K-025-027 (req); 01F-P19; 09E-P10; +25 cfs-P18; 17G (FERC) or 17M (FERC); 18B-P09

Mining - 06A/010/09E-P10 & 054 (req)

Storage (✓ 3 compo.) - 18A-for multi MD in WD, 18B-P09 (+10' high dam)

Domestic (surface) - 021 (Boise R ↑ L Peak), 27A (Payette R) N/A

OWNERSHIP:

Non land owner - 004 (P/D or P/U)

PROTESTED:

Prehearing agreement - 020

OTHER CONDITIONS:

REMARKS:

① POU for municipal is within city limits of Lewiston. ② W01 (28)

③ W02 (10) ④ land use is for 3 manufacturing facilities. ⑤ Common use is for 10 -1-1998 1 rest home, 1 fire station, 1 stockyard, & 1 horse gate station

BENEFICIAL USE DUE:

COMMENTS:

① Mor. Exempt ② Dev Desc.

WR0749NP
No. P86-07324

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 10/01/93
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	CITY OF LEWISTON PO BOX 617 LEWISTON ID 835010617 (208) 743-7461	04/28/1993	IRRIGATION STOCKWATER INDUSTRIAL COMMERCIAL MUNICIPAL MUNICIPAL DOMESTIC	03-15 11-15 01-01 12-31 01-01 12-31 01-01 12-31 12-01 02-29 03-01 11-30 01-01 12-31	0.40 CFS 0.02 CFS 1.40 CFS 0.57 CFS 6.20 CFS 18.60 CFS 0.24 CFS	
TOTAL DIVERSION:					18.60 CFS	

Water Source: CLEARWATER RIVER

Tributary to: SNAKE RIVER

Stage: PERMIT

Point(s) of Diversion: T36N R05W S27 SE NW SW SE

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE																				
			NENE		NWNE		SWNE		SENE		NENW		NWNW		SWNW		SENW		NESW		NWSW		SWSW		SESW		NESE		NWSE		SWSE		SESE		
T	R	S	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	SUM		
35N	04W	17																			.5			.5										1.0	
35N	04W	18							.5											.5	01			.5			.5		.5					3.5	
35N	04W	19				.5																												0.5	
35N	05W	4										01																						1.0	
35N	05W	13																									.5				.5			1.0	
35N	05W	22														02	02																5.0		
35N	06W	12									.5																							0.5	
35N	06W	24		.5																														0.5	
36N	05W	29																									.5							0.5	
36N	05W	30				01	.5																											1.5	
36N	05W	33														04	01																	5.0	
TOTAL ACRES																												20.0							

Place of use Legal Description for: STOCKWATER

				NE				NW				SW				SE											
				NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:				
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:		
-----				-----				:	-----				-----				:	-----				:	-----				:
35N	06W	24	:	S				:					:					:					:				

Place of use Legal Description for: INDUSTRIAL

				NE				NW				SW				SE									
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:		
			:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
35N	06W	12	:					:	I				:					:						:	
35N	06W	24	:	I				:					:					:						:	

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

Place of use Legal Description for: COMMERCIAL

				NE				NW				SW				SE			
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac
35N	04W	18	:																
35N	06W	13	:																
36N	05W	33	:																

Place of use Legal Description for: DOMESTIC

				NE				NW				SW				SE			
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac
35N	04W	17	:																
35N	04W	18	:																
35N	04W	19	:																
35N	05W	4	:																
35N	05W	13	:																
35N	05W	22	:																
36N	05W	29	:																
36N	05W	30	:																
36N	05W	33	:																

Pou County: NEZ PERCE

Other Water Rights with Same Point(s) of Diversion and Source:
85-07177 86-04010 86-04034 86-07090 86-07324

Other Water Rights Listing Overlapping Place(s) of use:
03-04020 03-07007 85-00016 85-02007 85-02048 85-02071 85-02090 85-07146 85-07233 85-07433
86-07306 86-07324

Conditions of Approval:

- 26A - Project construction shall commence within one year from the
 - date of permit issuance and shall proceed diligently to
 - completion unless it can be shown to the satisfaction of the
 - Director of the Department of Water Resources that delays were
 - due to circumstances over which permit holder had no control.
- 01C - A flow measurement port or other device as specified by the
 - Department shall be installed by the right holder to provide for
 - the installation of measuring equipment and the determination of
 - the rate of diversion by the Department.
- 030 - A separate stream alteration permit from the IDWR is required
 - for any activity in the stream channel other than construction
 - and/or maintenance of the diversion structure. If the proposed
 - construction or operation involves construction of an outfall or
 - any other work in the stream channel other than a water
 - diversion, the right holder contact the Department and obtain a
 - Stream Channel Alteration permit prior to the start of
 - construction.
- 03A - The rate of diversion of water for irrigation under this right

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

Conditions of Approval:

- and all other water rights on the same land shall not exceed 0.02
- cubic feet per second for each acre of land.

Remarks: Municipal use is located within the city limits of Lewiston.
Stockwater use is for 10 range cattle.
Industrial use is for 3 ~~blount~~ *manufacturing facilities.*
Commercial use is for 1 rest home, 1 fire station, 1 stockyard,
and Hells Gate State Park.
Domestic use is for 28 homes.

D'base updated 10/4/93 czg

Dates: App. Received: 04/28/1993 Priority Date: 04/28/1993
Proof Due Date: 10/01/1998 Proof Made Date:
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee:

Comments: Date: 10/01/1993 User-ID: ZIMMERMA Subject: MORATORIUM EXEMPTION
This permit is located within the Salmon/Clearwater Rivers
Moratorium boundary; however, its municipal, etc, uses are within
the acceptable parameters of the Moratorium guidelines.

Date: 10/01/1993 User-ID: ZIMMERMA Subject: DIVERSION DESCRIPTION
Permanent intakes along Clearwater with screens & sand removal.
Two 200 HP pumps with capacity of 8300 gpm and temporary intakes
with four pumps and screening.

Audit: 10/01/93 ZIMMERMA

IDAHO DEPARTMENT OF WATER RESOURCES
PLACE OF USE 1/4 1/4 COMPARISON REPORT

(WATER RIGHT NUMBERS THAT BEGIN WITH AN '*' ARE ADJUDICATION CLAIMS)

[illegible]

.....

[illegible]

WR-NUMBER	SOURCE	NE				NW				SW				SE				NE				NW				SW				SE				SUM
		Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac							
8607324	T35N R06W S13	CLEARWATER RIVER (NO IRRIGATION)																																
	:	X																																
	:																																	
0304020	SNAKE RIVE :	15																												15				
0307007	SNAKE RIVE :	01 02 05 12 : 14 12 20 11 :																												77				
A0307007	SNAKE RIVE :	01 02 05 12 : 14 12 20 11 :																												77				
R0307007	SNAKE RIVE :	01 02 05 12 : 14 12 20 11 :																												77				
	NO MAPPING INFO AVAILABLE																																	
8607324	T35N R06W S24	CLEARWATER RIVER																												5				
	:	0.5																																
	:	X X																																
	:																																	
0307007	SNAKE RIVE :	05																												5				
A0307007	SNAKE RIVE :	05																												5				
R0307007	SNAKE RIVE :	05																												5				
8504036	GROUNDWATE :																													35				
A8511070	GROUNDWATE :																													12				
A8511516	GROUNDWATE :																													35				
	NO MAPPING INFO AVAILABLE																																	
8607324	T36N R05W S29	CLEARWATER RIVER																																
	:																																	
	:																																	
	:																																	
8602041	CLEARWATER :	32 30																												62				
8604010	CLEARWATER :	20 10																												30				
A8604010	CLEARWATER :	01																												1				
R8604010	CLEARWATER :	02 04																												6				
	NO MAPPING INFO AVAILABLE																																	
8607324	T36N R05W S30	CLEARWATER RIVER																												1				
	:	01 0.5																																
	:	X X																																
	:																																	
	NO MATCHES FOR THIS POU IN AJ-POU																																	
8602041	CLEARWATER :																													82				
8607306	GROUNDWATE :	05																												5				
	NO MAPPING INFO AVAILABLE																																	
8607324	T36N R05W S33	CLEARWATER RIVER																																
	:																																	
	:																																	
	:																																	
	:																																	
8502027	UNNAMED ST :																													5				

WR5810NP
(OD-138)

IDAHO DEPARTMENT OF WATER RESOURCES
PLACE OF USE 1/4 1/4 COMPARISON REPORT

DATE: 10/01/93
PAGE: 4

(WATER RIGHT NUMBERS THAT BEGIN WITH AN '1' ARE ADJUDICATION CLAIMS)

[illegible]

No. a
4/87-06/92n

INDIAN DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

RECEIVED
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APPLICATION # _____

***** INITIAL REVIEW *****

Department of Water Resources

APPLICANT: CITY OF LEWISTON BY: AB DATE: 7/14/93

ITEM REQUIRED INFORMATION

1. (x) Name and Address
2. (x) Source
3. (x) Point of Diversion & County
4. (x) Quantity
(x) Nature of Proposed Use
(x) Period of Use
5. (x) Total Quantity
6. (x) Description of diverting works
7. (x) Time required for b/u
8. (x) Proposed use
9. (x) Place of use or acres irrigated
10. (x) Other Water Rights
11. (x) Ownership
13. (x) Map
(x) Signature
(x) Fee (Amt, recpt, acknowlegment)

*** Send info sheet Y() N()

ADDITIONAL INFORMATION

Yes No

- X Field check: by _____
+ Field report attached
+ Analysis Supp. attached(>5cfs/500af)
+ Water delivered by water master?
Water District # _____

PROCESSING

Yes No

PRIORITY DATE: 4/28/93

X (Include Moratorium Remark)

X Statewide Avertising: (Diversion rate greater than 10 cfs or 1,000 af).

ADVERTISE IN: NEZ PERCE County.

LETTERS SENT REQUESTING:

- () Dam Information () Fish Information
() Power Information () Other: N/A

INFORMATION RECEIVED:

- () Dam Information () Fish Information
() Power Information () Other: S, 3 INFO

***** GROUNDWATER SECTION *****

(Yes) (No)

- X Groundwater management area
+ Critical ground water area
+ Well Drilling Permit required
+ Well Drilling Application and Fees received
+ Well Drilling Application approved?
Well Drilling Application Number _____

Checked by: _____ Date: ____/____/____

Remarks: _____

***** FINAL REGIONAL PROCESSING/REVIEW *****

(Yes) (No)

- ____ Notice of pending void order issued. Final order response date: ____/____/____
____ Further information required from applicant
+ Affidavit of publication received
+ Application published correctly, If not, record action taken: _____
+ Publication dates and paper recorded on application | Sr. Agent initial AB
+ Protests received. Final protest date: 8/23/93
____ Measuring device required
____ Measuring port required
____ Special conditions: _____
____ Special conditions of approval supplement and/or cover letter attached:

Approval Recommended by: AB RYA

Date: 9/21/93

5/06/93

CITY OF LEWISTON
RESIDENTIAL UTILITIES
DETAIL HISTORYUTLW20
PAGE 1

ACCT #	SERVICE ADDRESS / NAME	TRANS.	TYPE	IV#	CODE	TYPE	DESCRIPTION	CODE	DESCRIPTION	QTY	AMOUNT	BALANCE	READING	CONS
H-	612 3620 A SNAKE RIVER AVE													
	OWNER HELLSGATE STATE PARK													
	3/13/92 BALANCE FWD.										.00	.00		
	5/08/92 CURRENT BILL				1	WATER	CLU COM LRG				824.63	824.63	13192	733
	5/18/92 CURRENT BILL				2	SEWER	CLU COM LRG			1	1,108.67	1,933.30		
	6/08/92 CASH RECEIPT				1	WATER					824.63-	1,108.67		
	6/08/92 CASH RECEIPT				2	SEWER					1,108.67-	.00		
	8/13/92 CURRENT BILL				1	WATER	CLU COM LRG				4,179.38	4,179.38	16907	3715
	8/17/92 CURRENT BILL				2	SEWER	CLU COM LRG			1	6,129.75	10,309.13		
	9/02/92 CASH RECEIPT				1	WATER					4,179.38-	6,129.75		
	9/02/92 CASH RECEIPT				2	SEWER					6,129.75-	.00		
	11/04/92 CURRENT BILL				1	WATER	CLU COM LRG				2,106.00	2,106.00	18779	1872
	11/16/92 CURRENT BILL				2	SEWER	CLU COM LRG			1	3,088.80	5,194.80		
	11/30/92 CASH RECEIPT				1	WATER					2,106.00-	3,088.80		
	11/30/92 CASH RECEIPT				2	SEWER					3,088.80-	.00		
	2/03/93 CURRENT BILL				1	WATER	CLU COM LRG				462.47	462.47	19166	387
	2/17/93 CURRENT BILL				2	SEWER	CLU COM LRG			1	638.55	1,101.02		
	3/01/93 CASH RECEIPT				1	WATER					462.47-	638.55		
	3/01/93 CASH RECEIPT				2	SEWER					638.55-	.00		

END OF DETAIL FOR RESIDENTIAL UTILITY ACCOUNT

5/8

7.48

8/13

.085

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CITY OF LEWISTON

5/06/93

CITY OF LEWISTON
RESIDENTIAL UTILITIES
DETAIL HISTORYUTLW20
PAGE 1

ACCT #	SERVICE ADDRESS / NAME	TRANS. TYPE	JV#	CODE	TYPE	DESCRIPTION	CODE	DESCRIPTION	QTY	AMOUNT	BALANCE	READING	CONS
H-	108 3620 A SNAKE RIVER AVE												
	OWNER HELLSGATE STATE PARK												
	3/12/92 BALANCE FWD.									.00	.00		
	5/18/92 CURRENT BILL			1	WATER		MI 6" COMPOUND	1		66.00	66.00		
	6/08/92 CASH RECEIPT			1	WATER					66.00-	.00		
	8/11/92 CURRENT BILL			1	WATER		CLU COM LRG			28.13	28.13	2425	25
	8/17/92 CURRENT BILL			1	WATER		MI 6" COMPOUND	1		66.00	94.13		
	9/16/92 CASH RECEIPT			1	WATER					94.13-	.00		
	11/04/92 CURRENT BILL			1	WATER		CLU COM LRG			2.25	2.25	2427	2
	11/16/92 CURRENT BILL			1	WATER		MI 6" COMPOUND	1		66.00	68.25		
	11/30/92 CASH RECEIPT			1	WATER					68.25-	.00		
	2/03/93 CURRENT BILL			1	WATER		CLU COM LRG			15.54	15.54	2440	13
	2/17/93 CURRENT BILL			1	WATER		MI 6" COMPOUND	1		67.76	83.30		
	3/01/93 CASH RECEIPT			1	WATER					83.30-	.00		

END OF DETAIL FOR RESIDENTIAL UTILITY ACCOUNT

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CITY OF LEWISTON

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CITY OF LEWISTON
RESIDENTIAL UTILITIES
DETAIL HISTORYUTLW20
PAGE 1

ACCT #	SERVICE ADDRESS	NAME	TRANS.	TYPE	JV#	CODE	TYPE	DESCRIPTION	CODE	DESCRIPTION	QTY	AMOUNT	BALANCE	READING	CONS
A-	3549	3200 MAIN ST													
	OWNER	LEWISTON LIVESTOCK													
		2/12/92						BALANCE FWD.				.00	.00		
		4/02/92					1	WATER	OCU	OTHER COMM		1,101.75	1,101.75	31587	1469
		4/22/92					1	WATER	MD	1 1/2" METR	1	10.50	1,112.25		
		5/11/92					1	WATER				1,112.25-	.00		
		7/01/92					1	WATER	OCU	OTHER COMM		665.25	665.25	E 706	887
		7/17/92					1	WATER	TD	1 1/2" METR	1	10.50	675.75		
		7/21/92					1	WATER				675.75-	.00		
		10/01/92					1	WATER	OCU	OTHER COMM		560.25	560.25	1453	747
		10/20/92					1	WATER	TD	1 1/2" METR	1	10.50	570.75		
		11/09/92					1	WATER				570.75-	.00		
		1/04/93					1	WATER	OCU	OTHER COMM		899.39	899.39	2616	1163
		1/22/93					1	WATER	TD	1 1/2" METR	1	10.64	910.03		
		2/16/93					1	WATER				910.03-	.00		
		4/01/93					1	WATER	OCU	OTHER COMM		927.42	927.42	3747	1131
		4/21/93					1	WATER	TD	1 1/2" METR	1	10.92	938.34		

END OF DETAIL FOR RESIDENTIAL UTILITY ACCOUNT

consumption is $ft^3 \times 100$ DAIRY
DWR01 SEC.OCT 25 1993
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IDWR

5/04/93

CITY OF LEWISTON
RESIDENTIAL UTILITIES
DETAIL HISTORY

UTLW20
PAGE 2

ACCT #	SERVICE ADDRESS	TRANS.	JV#	TYPE	DESCRIPTION	QTY	AMOUNT	BALANCE	READING	CONS
H- 2488	20TH STREET & SNAKE RIV									
	OWNER BLOUNT INC									
	4/28/93 SPECIAL BILL			2	SEWER					
					CLU COM LRG	1	27,035.25	27,107.33		

END OF DETAIL FOR RESIDENTIAL UTILITY ACCOUNT

OCT 25 1993

5/04/93

CITY OF LEWISTON
RESIDENTIAL UTILITIES
DETAIL HISTORYUTLW20
PAGE 1

ACCT #	SERVICE ADDRESS	TRANS.	TYPE	JV#	CODE	TYPE	DESCRIPTION	CODE	DESCRIPTION	QTY	AMOUNT	BALANCE	READING	CONS
H- 32891	BLOUNT SOUTHPORT AVE													
	OWNER BLOUNT INC													
	3/20/92 BALANCE FWD.										.00	.00		
	5/18/92 CURRENT BILL					1	WATER		MA 5/8" METER	1	6.75	6.75		
	6/19/92 CASH RECEIPT					1	WATER				6.75-	.00		
	8/17/92 CURRENT BILL					1	WATER		MA 5/8" METER	1	6.75	6.75		
	9/18/92 CASH RECEIPT					1	WATER				6.75-	.00		
	11/16/92 CURRENT BILL					1	WATER		MA 5/8" METER	1	6.75	6.75		
	12/22/92 CASH RECEIPT					1	WATER				6.75-	.00		
	2/17/93 CURRENT BILL					1	WATER		MA 5/8" METER	1	6.93	6.93		
	3/19/93 CASH RECEIPT					1	WATER				6.93-	.00		

END OF DETAIL FOR RESIDENTIAL UTILITY ACCOUNT

OCT 25 1993

5/04/93

CITY OF LEWISTON
RESIDENTIAL UTILITIES
DETAIL HISTORYUTLW20
PAGE 1

ACCT #	SERVICE ADDRESS	TRANS. TYPE	JV#	JV	CODE	TYPE	DESCRIPTION	CODE	DESCRIPTION	QTY	AMOUNT	BALANCE	READING	CONS
H- 33006	BLOUNT SOUTHPORT AVE													
	OWNER BLOUNT INC													
	3/25/92 BALANCE FWD.										.00	.00		
	5/18/92 SPECIAL BILL				1	WATER		CLU COM LRG		1	1,563.75	1,563.75	13093	1450
	5/18/92 SPECIAL BILL				1	WATER		MJ 8" COMPOUND		1	93.00	1,656.75		
	5/18/92 SPECIAL BILL				2	SEWER		CLU COM LRG		1	2,293.50	3,950.25		
	6/19/92 CASH RECEIPT				1	WATER					1,656.75-	2,293.50		
	6/19/92 CASH RECEIPT				2	SEWER					2,293.50-	.00		
	8/13/92 CURRENT SPEC				1	WATER		CLU COM LRG		1	1,995.75	1,995.75	15023	1930
	8/13/92 CURRENT SPEC				1	WATER		MJ 8" COMPOUND		1	93.00	2,088.75		
	8/13/92 CURRENT SPEC				2	SEWER		CLU COM LRG		1	2,927.10	5,015.85		
	9/18/92 CASH RECEIPT				1	WATER					2,088.75-	2,927.10		
	9/18/92 CASH RECEIPT				2	SEWER					2,927.10-	.00		
	11/16/92 SPECIAL BILL				1	WATER		CLU COM LRG		1	2,017.12	2,017.12	16945	1922
	11/16/92 SPECIAL BILL				1	WATER		MJ 8" COMPOUND		1	93.00	2,110.12		
	11/16/92 SPECIAL BILL				2	SEWER		CLU COM LRG		1	3,171.30	5,281.42		
	12/18/92 CASH RECEIPT				1	WATER					2,110.12-	3,171.30		
	12/18/92 CASH RECEIPT				2	SEWER					3,171.30-	.00		
	2/19/93 J.V.		00000	ADJS	2	SEWER		CLU COM LRG		1	212.85-	212.85-		
	2/19/93 SPECIAL BILL				1	WATER		CLU COM LRG		1	511.82	298.97	17922	977
	2/19/93 SPECIAL BILL				1	WATER		MJ 8" COMPOUND		1	96.72	395.69		
	2/19/93 SPECIAL BILL				2	SEWER		CLU COM LRG		1	1,544.83	1,940.52		
	3/24/93 CASH RECEIPT				1	WATER					508.54-	1,331.98		
	3/24/93 CASH RECEIPT				2	SEWER					1,331.96-	.00		

END OF DETAIL FOR RESIDENTIAL UTILITY ACCOUNT

Per 100 ft³

OCT 25 1993

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FOR MOODY'S 1991 MUNICIPAL & GOVERNMENT MANUAL

PLEASE RETURN TO **MOODY'S INVESTORS SERVICE**
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Telephone: (212) 553-0300

We are now preparing COPY for the next edition of Moody's Municipal & Government Manual, the most widely used reference on municipal finances and credits. It is important that your community be covered adequately.

Please bring up to date and correct, where necessary, this paste-up (as it appeared in our last edition) and, in addition, provide the financial and other data requested in the boxes checked below. If reporting forms are attached, kindly fill in the date requested.

Also, please forward to us a copy of your latest annual or audit report. This report will be returned to you if you so indicate on its front cover.

Moody's Investors Service

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MOODY'S 1991 ANNUAL Dan Zottoli, Publisher/Howard G. Kiedalsch, Associate Publisher/R. P. Hanson, Editor-in-Chief/William H. Rogers, Associate Director

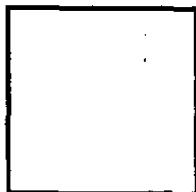
☒ 1990 Census 28,015
☒ Bonded Debt: (Revised as of latest available date)
\$2,487,250 9-30-90 \$160,000
(AMOUNT) (DATE) (DUE WITHIN 1 YEAR)

☒ Bonded Debt: Date: 9-30-90
Type (Gen Oblig., WTR. REV., Outstanding Due within 1
etc.) year

Water/Sewer Rev'77	\$ 267,250	9,000
Water/Sewer Rev'78	1,905,000	90,000
CLID #1	40,000	20,000
CLID #2	275,000	50,000

- ☐ Please provide Assessed Value Table.
☐ Please update Tax Collections Table.
☐ Please update the Schedule of Bonded Debt to show most recent debt outstanding and corresponding dates. Also show details of the issues not listed on the schedule.
☐ For School Districts:
Average Daily attendance
Estimated population
Fiscal year
☐ Please update financial statements (i.e., Revenues and Expenditures, Balance Sheet) as of latest fiscal year end.
☐ Please indicate paying agent(s) not shown in Schedule of Bonded Debt.

Enclosed please find the City of Lewiston's FY'90 Finance Report and FY'91 Budget.



LEWISTON WTR. & SEW. REV.
LEWISTON WTR. & SEW. REV.
RUTH A. BECK, FIN. DIR.
P.O. BOX 617
LEWISTON ID 83501
00003375

OFFICIAL FURNISHING INFORMATION (PLEASE PRINT OR TYPE)

NAME Ruth A. Beck
TITLE Finance Director
P.O. ADDRESS P. O. Box 617
1134 F Street
Lewiston, Idaho ZIP CODE 83501

1-31-91

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LEWISTON

City located in Nez Perce County.

Population: 1980, 27,972; 1970, 31,000.

Bonded Debt: Sept. 30, 1987 (\$000):

Water & sewer rev.....	2,387
Cons. local imp. dist.	435
Total	2,822

Schedule of Bonded Debt:

Water & Sewer Revenue

1	'78 Ser. to 4-1-08 A&O1	\$2,070,000
5.00s	'77 Ser. to 12-15-07 J&D1	283,250

Consolidated Local Improvement District No. 1

13 ⁷ / ₈ s-	Ser. to 3-1-92 M&N1	80,000
13 ⁷ / ₈ s		

Consolidated Local Improvement District No. 2

1	Ser. to 12-1-94 J&D1	355,000
---------	----------------------	---------

Interest payable as follows:

Year	%	Year	%	Year	%
1985-90.....	6.50	1991-96	5.50	1997-00.....	5.625
2001.....	5.80	2002-04	5.875	2005-08.....	5.90

Callable on any interest date beginning Apr. 1, 1989 to Oct. 10: 1991, 102¹/₂; 1994, 102; 1997, 101¹/₂; 2000, 101; 2003, 100¹/₂; thereafter at 100.

Secured by a lien on and pledge of, and payable solely from the net income and revenues derived from operation of the water & sewerage system.

Proceeds for various water system improvements.

RATING: Water & sew. rev..... **A1**

MAILED

OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

6. BONDS PAYABLE

Bonds payable at September 30, 1991, are comprised of the following individual revenue bond issues:

A. \$345,250 - 1977 Water and Sewer Serial Bonds due as follows:

<u>Bond Numbers</u>	<u>Interest Rate</u>	<u>Maturity Date</u>	<u>Principal</u>
88-96	5	12-15-91	\$ 9,000
97-106	5	12-15-92	10,000
107-117	5	12-15-93	11,000
118-128	5	12-15-94	11,000
129-140	5	12-15-95	12,000
141-152	5	12-15-96	12,000
153-165	5	12-15-97	13,000
166-179	5	12-15-98	14,000
180-194	5	12-15-99	15,000
195-209	5	12-15-00	15,000
210-226	5	12-15-01	17,000
227-244	5	12-15-02	18,000
245-263	5	12-15-03	19,000
264-283	5	12-15-04	20,000
284-303	5	12-15-05	20,000
304-324	5	12-15-06	21,000
325-346	5	12-15-07	21,250
			<u>258,250</u>
Less amount due within one year			<u>9,000</u>
			<u>\$249,250</u>

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OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

6. BONDS PAYABLE (CONTINUED)

B. \$2,354,000 - 1978 Water and Sewer Serial Bonds due as follows:

<u>Bond Numbers</u>	<u>Interest Rate</u>	<u>Maturity Date</u>	<u>Principal</u>
112-130	5-1/2	4-1-92	\$ 95,000
131-150	5-1/2	4-1-93	100,000
151-171	5-1/2	4-1-94	105,000
172-193	5-1/2	4-1-95	110,000
194-216	5-1/2	4-1-96	115,000
217-241	5-5/8	4-1-97	125,000
242-267	5-5/8	4-1-98	130,000
268-290	5-5/8	4-1-99	115,000
291-314	5-5/8	4-1-00	120,000
315-334	5.8	4-1-01	100,000
335-354	5.8	4-1-02	100,000
355-374	5-7/8	4-1-03	100,000
375-394	5-7/8	4-1-04	100,000
395-414	5.9	4-1-05	100,000
415-434	5.9	4-1-06	100,000
435-454	5.9	4-1-07	100,000
455-474	5.9	4-1-08	100,000
			<u>1,815,000</u>
Less amount due within one year			<u>95,000</u>
			<u>\$1,720,000</u>

C. \$484,500 - Consolidated Local Improvement District No. 1 Bonds due as follows:

<u>Bond Numbers</u>	<u>Interest Rate</u>	<u>Maturity Date</u>	<u>Principal</u>
83, 85, 90, 95	13-3/4	3-1-92	<u>\$20,000</u>

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OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

6. BONDS PAYABLE (CONTINUED)

D. \$446,842 - Consolidated Local Improvement District No. 2 Bonds due as follows:

<u>Bond Numbers</u>	<u>Interest Rate</u>	<u>Maturity Date</u>	<u>Principal</u>
46-57	9.50	12-1-91	\$ 60,000
58-70	9.50	12-1-92	65,000
71-83	9.60	12-1-93	65,000
84-90	9.80	12-1-94	35,000
			<u>225,000</u>
Less amount due within one year			<u>60,000</u>
			<u>\$165,000</u>

E. Debt service requirements to maturity including interest of \$1,064,163 are as follows:

<u>Fiscal Year Ending September 30</u>	<u>Water and Sewer Fund</u>	<u>General Long-term Debt</u>	<u>Total</u>
1992	\$ 217,725	\$104,125	\$ 321,850
1993	217,913	80,675	298,588
1994	217,776	74,600	292,376
1995	216,313	38,430	254,743
1996	215,575		215,575
1996-2008	<u>1,999,281</u>		<u>1,999,281</u>
	<u>\$3,084,583</u>	<u>\$297,830</u>	<u>\$3,382,413</u>

F. The following is a summary of bond transactions of the City for the fiscal year ended September 30, 1991:

	<u>Water and Sewer Fund</u>	<u>General Long-term Debt</u>	<u>Total</u>
Bonds payable - October 1	\$2,172,250	\$315,000	\$2,487,250
Bonds retired	<u>99,000</u>	<u>70,000</u>	<u>169,000</u>
Bonds payable - September 30	<u>\$2,073,250</u>	<u>\$245,000</u>	<u>\$2,318,250</u>

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OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES

City of Lewiston Ordinance No. 3412, authorizing the issuance of water and sewer revenue bonds, requires that the following disclosures be made in the annual audited financial statements:

A. City of Lewiston Water and Sewer Revenue Bonds 1977-1978

(1) City of Lewiston Water and Sewer Revenue Bonds 1977-1978

The 1977 and 1978 series bond issues were authorized by a special election held by the City of Lewiston on August 2, 1977, with proceeds from such bonds to be utilized to acquire and construct improvements and extensions to the municipal water system.

Under City of Lewiston Ordinance No. 3412, dated December 5, 1977, the City Council of the City of Lewiston issued bonds in the amount of \$345,250 designated as "Water and Sewer Revenue Bonds, Series 1977."

Under the City of Lewiston Ordinance No. 3434, dated March 27, 1978, as amended by City of Lewiston Ordinance No. 3443, dated April 10, 1978, the City Council of the City of Lewiston issued bonds in the amount of \$2,354,000 designated as "Water and Sewer Revenue Bonds, Series 1978," payable on a parity with the outstanding Series 1977 Bonds.

(2) Water and Sewer Revenue Bonds, 1977 Earnings Ratio

City of Lewiston Ordinance No. 3412, dated December 5, 1977, provides that water and sewer rates of the City must be maintained at a level sufficient to provide net earnings from operations before depreciation and interest of not less than 1.25 times the amount required to pay all principal and interest to be paid on the bonds in the next succeeding fiscal year.

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OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

(2) Water and Sewer Revenue Bonds, 1977 Earnings Ratio (Continued)

For the year ended September 30, 1991, the following analysis reflects a ratio of 3.85 to 1.

Net income from operations	\$169,238
Add:	
Depreciation	<u>667,983</u>
(a) Net earnings before depreciation	<u>\$837,221</u>
(b) Amount required to retire bonds and to pay interest maturing in next year	<u>\$217,725</u>
Ratio (a ÷ b)	<u>3.85</u>

(3) Water and Sewer Revenue Bond Reserve Fund, 1977-1978

City of Lewiston Ordinance No. 3412, dated December 5, 1977, as amended by Ordinance No. 3434, dated March 27, 1978, provides for an annual deposit of \$43,150 to the Water and Sewer Revenue Bond Reserve Fund. The first annual deposit to be made on or before April 1, 1979, and continued annually until the reserve fund has accumulated an additional \$215,750 by April 1, 1983. Ordinance No. 3434 also provides that any money remaining in the Bond Construction Fund after all costs have been paid or reserved shall be deposited into the Reserve Account portion of the Bond Fund. Effective October 1, 1981, the balance of the Bond Construction Fund of \$245,777 was transferred to the Reserve Account in accordance with the Ordinance.

This reserve fund shall be used only to pay currently maturing principal and interest on the bonds whenever and to the extent necessary to prevent default, except that if the reserve exceeds the stipulated requirements, such excess may be utilized for early retirement of bonds as prescribed in the Ordinance.

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OCT 5 1993

City of Lewiston

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

A. City of Lewiston Water and Sewer Revenue Bonds 1977-1978 (Continued)

- (4) As of September 30, 1991, the customers served by the Water and Sewer Departments consisted of the following by classification and number:

Irrigation	136
Hotels, rooming houses, and mobile homes	43
Commercial and schools	687
Residences	4,113
Inactive accounts	84
Airport domestics	17
Airport irrigation	8
	<u>5,088</u>

B. City of Lewiston Water and Sewer Revenue Bonds 1977-1978

- (1) City of Lewiston Water and Sewer Revenue Bonds Interest and Sinking Fund

City of Lewiston Ordinance No. 3412, dated December 5, 1977, and No. 3434, dated March 27, 1978, created a City of Lewiston Water and Sewer Revenue Bonds Interest and Sinking Fund. The Ordinances provide for the transfer of monthly amounts equal to one sixth of the interest due on the bonds outstanding at the next interest payment date and one twelfth of the principal due at the next principal payment date from the joint revenues of the Water and Sewer Departments for the ultimate payment to the bondholders.

The reserve for Water and Sewer Bonds Interest and Sinking Fund reflects the actual amount necessary to be in compliance with the ordinances at September 30. Cash deposited in the Water and Sewer Revenue Bonds Interest and Sinking Fund, at September 30, 1991, amounted to \$205,856, and was in compliance with the Ordinance.

- (2) City of Lewiston Water and Sewer Bonds Reserve Fund

City of Lewiston Ordinance No. 3412, dated December 5, 1977, as amended by Ordinance No. 3434, dated March 27, 1978, provides for an annual deposit to the Water and Sewer Revenue Bond Reserve Fund. At September 30, 1991, the City was in compliance with these provisions as described in A(3).

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OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

B. City of Lewiston Water and Sewer Revenue Bonds 1977-1978

- (3) As of September 30, 1991, the Water and Sewer Departments were serving the following accounts:

Metered water customers	5,088
Unmetered water customers	-0-
Properties connected with sewer system	4,682

- (4) For the period ended September 30, 1991, the activities of the funds as established by City of Lewiston Ordinance No. 3412, Article IV, dated December 5, 1977, are as follows:

Revenue and Operating Fund	
Balance, October 1, 1990	\$ 290,113
Receipts	1,320,350
Disbursements	<u>1,319,667</u>
Balance, September 30, 1991	\$ <u>290,796</u>

Water and Sewer Revenue Bond Reserve Fund, 1977-1978	
Balance, October 1, 1990	\$ 245,777
Receipts	-0-
Disbursements	<u>-0-</u>
Balance, September 30, 1991	\$ <u>245,777</u>

City of Lewiston Water and Sewer Revenue Bonds Interest and Sinking Fund	
Balance, October 1, 1990	\$ 118,569
Receipts	288,000
Disbursements	<u>200,713</u>
Balance, September 30, 1991	\$ <u>205,856</u>

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OCT 25 1993

City of Lewiston

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

B. City of Lewiston Water and Sewer Revenue Bonds 1977-1978 (Continued)

- (5) The following rates and charges were in effect during the period October 1, 1990, through September 30, 1991.

Water Rates

The charge for water consumed is as follows:

Rate per 100 cubic feet	\$0.750
Rate for irrigation of City-owned property (per 100 cubic feet)	0.750

Charges for water consumed beyond the City limits were established at one and one-half times the charge for water consumed within the City.

In addition to the foregoing rate schedule, all water service users shall pay a meter fee ranging from \$1.75 per month for a 5/8" meter to \$30.50 per month for an 8" meter.

Sewer Rates

All single residences, including mobile homes	\$ 9.25
All duplex and triplex residences (per unit)	9.25
All apartment houses or similar types of multiple dwellings, for first unit	9.25
For each remaining unit	8.70
All hotels, motels, mobile home parks, and mobile home tourist facilities, for first unit	8.70
For each remaining unit	7.00
Rooming houses, for first unit	9.25
For each remaining unit	7.00
Schools. For each month school is not in session	11.25
For each month school is in session, per each 100 persons within the school facility	23.75

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OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

B. City of Lewiston Water and Sewer Revenue Bonds 1977-1978 (Continued)

(5) (Continued)

Hospitals, laundromats, small industry, and commercial establishments not otherwise designated, 1,000 cubic feet of water used	\$8.25
Provided, however, that the minimum monthly charge shall be	9.75

Major industry, determined by contract with the City, based on cost of sewage treatment for the particular plant	9.50
--	------

All other users not under separate agreement	9.50
--	------

All connections outside the City limits shall be charged at one and one-half (1-1/2) times the above rates

"Sewer charges shall continue on any residence as long as water service is active to that residence."

- (6) For the period October 1, 1990, through September 30, 1991, the total dollar amounts billed for water and sewer services are as follows:

Water service charges	<u>\$1,333,543</u>
-----------------------	--------------------

Sewer service charges	<u>\$1,537,990</u>
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- (7) The information on the average monthly billing per water customer and per sewer customer for each class of service, together with the number of customers and gross revenues per class of service for the period ended September 30, 1991, is as follows:

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OCT 25 1993

City of Lewiston

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

B. City of Lewiston Water and Sewer Revenue Bonds 1977-1978 (Continued)

(7) (Continued)

Class	Water			Sewer		
	Number of Customers	Annual Gross Revenue	Average Monthly Billing	Number of Customers	Annual Gross Revenue	Average Monthly Billing
Single unit	3,705	\$ 525,447	\$ 11.82	3,586	\$ 395,623	\$ 9.19
2 units	188	29,254	12.97	180	39,544	18.31
3 units	62	12,240	16.45	62	20,604	27.69
4 units	65	15,840	20.31	66	27,793	35.09
5 units	21	5,462	21.67	20	10,593	44.14
6 units	16	6,529	34.01	15	9,666	53.70
7 units	8	2,267	23.61	8	5,910	61.56
8 units	5	2,083	34.72	5	4,009	66.82
9 units	2	1,161	48.38	1	951	79.25
10 units	3	2,446	67.94	3	3,169	88.03
11 units	1	537	44.75	1	1,161	96.75
12 units	7	5,001	59.54	4	5,047	105.15
13 units	1	893	74.42	1	1,372	114.33
15 units	2	2,260	94.17	2	3,117	129.88
16 units	1	437	36.42	1	1,686	140.50
18 units	2	2,444	101.83	1	1,895	157.92
22-24 units	2	2,630	109.58	2	4,842	201.75
30-40 units	3	5,837	162.14	3	10,983	305.08
Airport/Dom.	14	1,835	10.92			
Airport/Irr.	5	603	10.05			
Large						
commercial	277	253,858	76.37	279	455,142	135.94
Hotel/Motel	15	16,751	93.06			
Irrigation	73	50,843	58.04			
Mobile homes	8	3,987	41.53	6	670	9.31
Other						
commercial	378	60,414	13.32	377	37,618	8.32
Residential/						
Commercial	20	2,860	11.92			
Rooming house	1	256	21.33			
Schools	23	22,196	80.42			
City parks	28	138,538	412.32			
Meter charges		156,114				
Flat rate						
billings				30	64,873	180.20
Special						
billings		2,520			53,587	
Intergovern-						
mental						
charges						
	<u>4,936</u>	<u>\$1,333,543</u>		<u>4,653</u>	<u>\$1,537,990</u>	<u>31,511.25</u>

OCT 25 1993

NOTES TO FINANCIAL STATEMENTS
Year Ended September 30, 1991

7. BOND ORDINANCE DISCLOSURES (CONTINUED)

B. City of Lewiston Water and Sewer Revenue Bonds 1977-1978 (Continued)

(8) For the period of October 1, 1990, through September 30, 1991, information on water flow (millions of gallons) is as follows:

Master meter, total water flow	<u>1,401</u>
Water billed to customers	<u>1,361</u>
Approximate amount utilized for flushing mains and breaks	<u>9.0</u>
Approximate amount unaccounted	<u>31.0</u>

C. Bond Issue Costs

JV 26228 The direct costs associated with the issuance and sale of the Water and Sewer Revenue Bonds 1977 issue and 1978 issue have been capitalized and will be amortized over the life of the bonds. Amortization of \$960 has been charged during the period ended September 30, 1991.

D. Insurance

Disclosure requirements by Economic Development Administration on Project No. 07-81-02001 include the following:

Insurance in force on Well 1A includes \$10,957 on the building and \$93,949 on equipment; on Well 5, coverage includes \$15,614 on the building and \$74,572 on equipment. This coverage is written with Century Indemnity Company, Certificate #F10-15-75CD which has an expiration date of October 1, 1991. All property coverages are subject to a \$50,000 deductible.

The same policy includes fidelity bonds of \$50,000 for the finance director and \$10,000 for all other employees having access to significant amounts of cash.

E. City Council Members

At September 30, 1991, the members of the City Council were: Delitha Kilgore, Mayor; Lovetta Eisele, Mayor Pro tem; Mark Arneson, LaFawn Oliver, J. R. Van Tassel, Roger White, and Bob Wing.

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OCT 25 1993
- 49 -

SECTION 8

FINANCIAL PLAN AND REVENUE PROGRAM

INTRODUCTION

The City of Lewiston owns, operates, and maintains a water system serving about 5,000 customers within and outside of the City limits. This system includes sources of supply, treatment facilities, and a distribution system. Over the past several years, the system has produced sufficient revenue to support the on-going operation of the water system. However, based on the scope of capital investment recommended in Section 7 and the annual increases in operating expenses that have occurred over the past 5 years, it will be increasingly difficult to ensure that revenues are sufficient to meet financial obligations.

This Section sets forth information and procedures to evaluate the sufficiency of existing customer service fees to meet the annual revenue requirements of the water system operations. Further, this study documents recommended rate adjustments required to offset inflationary effects and to ensure that revenues are available to support future anticipated capital expenditures as set forth in the capital improvement program developed in Section 7.

The overall goal of and appropriate revenue program is to minimize the impact on cash reserves and to ensure an equitable allocation of costs among rate payers. Included herein are the following:

- A survey of the proposed capital improvement program;
- An analysis of customer usage;
- An analysis of historical operating expenses;
- A projection of operating expenses to FY 1997-1998;
- An analysis of the sources and applications of funds for FY 1991-1992 to FY 1997-1998;
- A discussion of available revenue program options; and
- Conclusions and recommendations.

CAPITAL IMPROVEMENT PROGRAM

The capital improvement program presented in Section 7 represents an ambitious investment program for the City. The near-term projected capital investment of \$370,000 to \$475,000 per year between FY 1992-1993 and FY 1995-1996 represents a 35 percent increase over the current level of capital investment that has averaged \$322,000 per year since FY 1988-1989. More importantly, the program represents a sustained annual capital investment, which, over the next several years, will exceed funded depreciation in each year and eventually drawdown existing cash reserves.

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OCT 25 1993

Projected capital improvements are summarized in Table 8-1, and include \$75,000 per year to be spent on automotive, office, and technical equipment. This represents the average equipment expenditure for the last five years. During each of the three years of the design and construction of the new WTP project, only \$75,000 was assumed to be spent on capital items, exclusive of debt service. Historical and projected capital improvements expenditures are summarized below.

TABLE 8-1
HISTORICAL AND PROJECTED
WATER SYSTEM CAPITAL IMPROVEMENTS

Fiscal Year		Amount	
Historical	1985-1986	\$ 8,000	Actual
	1986-1987	\$ 107,937	Actual
	1987-1988	\$ 47,413	Actual
	1988-1989	\$ 345,156	Actual
	1989-1990	\$ 266,166	Actual
	1990-1991	\$ 355,086	Anticipated
	1991-1992	\$ 349,000	Budgeted
Projected	1992-1993	\$ 425,000	
	1993-1994	\$ 455,000	
	1994-1995	\$ 450,000	
	1995-1996	\$ 475,000	
	1996-1997	\$ 75,000	(1)
	1997-1998	\$ 75,000	(1)
	1998-1999	\$ 75,000	(1)
	1999-2000	\$ 395,000	
	2000-2001	\$ 395,000	
	2001-2002	\$ 350,000	

(1) Exclusive of debt service to finance new WTP project. Includes projected automotive, office, and technical equipment investment.

Currently the City funds water system capital improvements on a pay-as-you-go basis. That is, payments are made from cash reserves which are, in turn, supported from revenues received from customer service charges and other sources. Over the past several years, the City has begun to fully fund depreciation, which is currently \$192,000 per year. These funds are annually transferred into the capital project fund for use, in addition to cash reserves and interest and dividend earnings, to finance capital projects. This practice is assumed to continue, and the level of funded depreciation is assumed to be a constant \$192,000 per year through FY 1997-1998.

The new WTP project scheduled for construction from FY 1996-1997 to FY 1998-1999 represents an very large capital investment for the City. It is estimated project cost is \$7,680,000 in FY 1991 dollars.

WATER USAGE CHARACTERISTICS

As of September 30, 1990 the water system served 4,949 connections, including 3,617 single-family residences, 386 multi-family connections, and 798 non-residential customers, including the Lewiston airport and several irrigation-only customers. The number of customers served as of year-end FY 1989-1990 is reported to be 4,949. Table 8-2 presents a water usage analysis based on FY 1990 data as presented in the City's Comprehensive Financial Report for that year. This document reported the number of customers, average monthly bill, and annual gross revenue from customer service charges for FY 1989-1990. Based on that data, an average meter size was assumed for each class of customer and estimated total meter fees for each class of customers were developed. Annual gross revenues less estimated total meter fees resulted in total estimated commodity revenues for each class. From these estimates, the per customer and per dwelling unit water usage, expressed in gallons per day, could be estimated.

According to the data, total water usage for FY 1989-1990 averaged 3.15 mgd. Single-family customers were the largest class, representing 73 percent of the number of customers, generating 50 percent of the gross revenues and using 48 percent of the water. Based on an estimated service area population of 16,000 persons, the per capita water usage is estimated to be 90 gallons per capita per day, exclusive of commercial water usage. Based on this analysis, per connection single-family water usage is estimated to be 400 gallons per day. Multi-family usage, expressed on a per dwelling unit basis, is estimated to be 145 gallons per day, or about 40 percent of the single family residential usage. Non-residential customers, including 148 special billing customers, use an estimated 1,500 gallons per day on the average

Growth

The City has maintained a modest growth rate, with about 30 or so new connections per year over the past several years and 40 connections expected by year-end FY 1991. It is assumed that this growth rate will continue in the foreseeable future.

ANNUAL WATER SYSTEM COSTS

The City incurs costs to manage, operate, maintain, replace, improve, and occasionally expand its water system. The water fund appears to be administered well, and while no detailed management audit was performed for this study, there are no apparent areas of the business where significant cost savings could be realized.

Historical Operating Expenses

As part of this study, an analysis was undertaken of the City's historical operating expenses. This analysis is summarized in Tables 8-3 and 8-4. Table 8-3 presents each expense category, subtotaled by function, for each accounting code as indicated in the budgets for each year. The analysis indicates that total operating expenses have been increasing by about 8.6 percent per year, due mostly to increased costs of labor, chemicals and supplies, and utilities.

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TABLE 3-2
CITY OF LEWISTON
CUSTOMER USAGE ANALYSIS (1)

Customer Classification	Number of Customers	Annual Gross Revenue	Average Monthly Bill	Assumed Meter Size	Estimated Meter Fees (2)	Estimated Commodity Fees	Estimated Customer Water Usage Gal/Day	Estimated Water Usage per Unit Gal/Day
Single Family	3,617	\$513,297	\$11.83	3/4 Inch	\$75,967	\$437,340	400	400
Multi-Family								
2 Units	187	28,576	12.73	1 Inch	6,171	22,405	400	200
3 Units	62	11,161	15.00	1 Inch	2,046	9,115	500	167
4 Units	63	14,023	18.55	1 Inch	2,079	11,944	600	150
5 Units	21	5,654	22.44	2 Inch	1,109	4,545	700	140
6 Units	17	5,541	27.16	2 Inch	898	4,643	900	150
7 Units	8	2,279	23.74	2 Inch	422	1,857	700	100
8 Units	4	1,838	38.29	2 Inch	211	1,627	1,300	163
9 Units	2	1,079	44.96	2 Inch	106	973	1,500	167
10 Units	3	1,871	51.97	2 Inch	158	1,713	1,800	180
11 Units	1	346	28.83	2 Inch	53	293	900	82
12 Units	7	4,775	56.85	2 Inch	370	4,405	2,000	167
13 Units	1	774	64.60	2 Inch	53	721	2,300	177
15 Units	2	2,271	94.63	2 Inch	106	2,165	3,400	227
16 Units	1	406	33.83	2 Inch	53	353	1,100	69
18 Units	2	2,376	99.00	2 Inch	106	2,270	3,600	200
22-24 Units	2	2,483	103.46	3 Inch	154	2,329	3,700	181
30-40 Units	3	6,399	177.75	4 Inch	562	5,837	6,100	174
Airport								
Domestic	15	2,720	15.11	3/4 Inch	315	2,405	500	
Irrigation	5	706	11.77	3/4 Inch	105	601	400	
Large Commercial	258	207,913	67.16	2 Inch	13,622	194,291	2,400	
Hotel/Motel	15	16,381	91.01	2 Inch	792	15,589	3,300	
Irrigation	64	55,818	72.68	2 Inch	3,379	52,439	2,600	
Mobile Homes	8	3,843	40.03	3/4 Inch	168	3,675	1,400	
Other Commercial	365	60,800	13.88	3/4 Inch	7,665	53,135	500	
Residential/Commercial	24	3,769	13.09	3/4 Inch	504	3,265	400	
Rooming House	1	286	23.83	3/4 Inch	21	265	800	
Schools	21	23,692	94.02	2 Inch	1,109	22,583	3,400	
City Parks	22	97,112	367.85	3/4 Inch	462	96,650	13,900	
Meter Charges		122,669						
Special Billings	148	12,002	6.76	3/4 Inch	3,108	8,894	200	
TOTALS (3)	4,949	\$1,212,860			\$121,864	\$968,327		
TOTAL ESTIMATED DAILY WATER USAGE, mgd							3.15	

- (1) Based on data included on page 46 of the City of Lewiston Comprehensive Annual Financial Report for 1990.
 (2) Based on rates in effect during FY 1990.
 (3) Estimated meter fees are based on meter sizes assigned to each customer classification. Although close to the \$122,669 actual meter charges, the two numbers will not match exactly.

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TABLE 8-3
HISTORICAL OPERATING EXPENSES (1)
FY 1986 TO FY 1992

	Code(s)	FY86	FY87	FY88	FY89	FY90 (Actual)	FY91 (Anticip)	FY92 (Adopted)
Administration : Acct 211								
Salaries	801, 802, 805	21,998	23,638	46,738	44,789	51,008	64,940	70,930
Employee Benefits	803, 810	82,541	91,524	17,794	20,242	13,840	18,665	19,700
Motor Fuel	817	191	121	302	143	174	300	360
Operating Supplies	821	368	389	344	468	459	350	490
Postage	830	40	25	15	83	48	70	80
Admin. Services	831	51,766	56,475	51,440	83,860	50,000	50,000	50,000
Contingency	834	0	0	0	0	0	0	0
Bond Proceeds	837	960	961	961	961	961	960	960
Depreciation: Land, Buildings	838, 839, 840	135,159	147,400	148,404	175,522	189,538	192,000	192,000
Dues & Subscriptions	841	300	193	125	264	171	700	900
Maintenance: Other	857	0	6	0	0	0	100	100
Maintenance: Equipment	861	0	944	701	109	286	1,390	1,390
Contracted Services	863	275	200	84	2,939	73	300	300
Printing	865	0	0	0	0	126	250	260
Maintenance: Equip. Outside	867	0	0	0	92	24	100	100
Pub. and Filing Costs	871	0	0	0	0	250	250	250
Rental/Leasing Equip.	873	972	0	0	0	0	0	0
Self Insurance	880	0	0	6,166	1,733	0	0	0
Sales Tax	882	0	30	0	14	0	50	50
Travel/Meetings	885	0	100	185	2,018	3,275	5,790	5,040
Uncollectables	887	3,904	0	904	0	370	0	0
Utilities	889	927	863	510	427	496	550	550
Subtotal		299,401	322,869	274,873	333,864	311,099	336,765	343,460
Treatment: Acct 212								
Salaries	801, 804, 805	127,892	135,794	123,578	127,796	133,739	142,625	152,860
Employee Benefits	803, 810	3,451	3,269	40,845	43,441	52,926	52,330	55,850
Customer Installations	812	0	0	0	82	0	50	50
Building Supplies	813	776	841	5,196	2,312	4,439	3,000	8,200
Maintenance: Sump-Pumps	815	0	454	525	4,511	1,324	6,850	6,850
Maintenance Supplies: Other	816	0	0	0	0	0	0	3,800
Fuel	817	968	580	543	804	1,158	1,440	1,730
Operating Supplies	821	10,413	8,339	15,154	14,759	10,610	17,700	19,470
Chemicals	822	28,642	27,444	28,883	41,418	32,307	31,300	33,000
Personnel Equipment	823	173	561	369	257	307	575	590
Asphalt	824	0	0	134	0	0	0	0
Postage	830	130	165	149	333	176	300	350
Communications	833	0	336	120	0	128	125	120
Dues & Subscriptions	841	85	115	54	97	197	700	500
Interdept. Services	849	0	0	0	13	0	200	200
Interest on Outstanding Debt	851	141,005	140,566	134,136	133,170	127,625	140,000	140,000
Laundry	853	0	1,449	1,725	2,292	2,788	3,500	3,500
Maintenance: Buildings	855	0	0	70	0	0	0	10,000
Maintenance: Other	857	141	100	176	191	3,392	8,000	4,000
Maintenance: Pumps, etc.	859	2,532	1,372	4,676	9,123	8,516	7,000	7,000
Maintenance: Reservoir	860	371	0	0	0	163	1,400	1,000
Maintenance: Equipment	861	0	510	681	622	1,251	4,750	4,750
Maintenance: Grounds	862	0	0	0	286	0	0	0
Contracted Services	863	15,298	7,856	13,630	15,424	5,868	10,000	10,000
Printing	865	0	0	590	193	50	200	250
Maintenance: Equip Outside	867	0	55	53	171	232	200	200
Public Relations	869	0	0	40	98	209	150	150
Pub & Filing Costs	871	0	0	0	450	0	0	0
Rental/Leasing Equip	873	2,436	0	0	0	0	0	0
Rental: Other	875	345	400	378	1,392	130	400	900

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TABLE 8-3
HISTORICAL OPERATING EXPENSES (1)
FY 1986 TO FY 1992

	Code(s)	FY86	FY87	FY88	FY89	FY90 (Actual)	FY91 (Anticip)	FY92 (Adopted)
Treatment: Acct 212 (Continued)								
Rental: Real Property	877	135	210	210	210	210	325	330
Travel, Training	885	565	776	1,498	2,012	1,177	3,375	2,500
Educational Reimbursement	886	384	547	0	0	0	0	200
Utilities	889	118,218	116,118	117,538	105,616	118,270	107,740	107,740
Subtotal		453,960	447,857	490,951	507,073	507,192	544,235	578,090
Maintenance & Distribution: Acct 213								
Salaries	801, 804, 805	115,849	115,834	108,731	115,040	148,185	204,075	219,170
Employee Benefits	803, 810	743	28	32,988	44,883	53,562	70,550	74,700
Customer Installations	812	10,908	10,361	14,297	19,582	21,329	35,000	35,000
Building Supplies	813	0	0	459	557	618	3,150	2,000
Maintenance: Suppl/Mains	814	1,931	1,537	834	1,004	4,948	30,000	30,000
Maintenance: Sup-Pumps, etc.	815	14,408	11,241	7,583	17,447	9,467	9,000	9,000
Maintenance: Suppl/Other	816	209	234	0	0	0	0	0
Fuel	817	3,006	2,787	2,986	2,599	3,363	5,150	5,640
Operating Supplies	821	5,172	4,665	3,413	4,275	4,297	4,000	4,400
Chemicals	822	0	0	0	282	0	1,000	1,250
Personnel Equipment	823	344	90	361	1,368	283	1,150	1,000
Asphalt	824	1,267	2,107	603	1,911	3,620	2,500	2,500
Postage	830	0	0	0	0	1	20	50
Contingency	834	0	0	0	0	0	0	0
Dues & Subscriptions	841	0	22	0	39	74	500	570
Inventory Adjustment	846	0	0	0	0	9,260	0	0
Investment Loss	848	0	0	1,379	0	0	0	0
Interdept. Services	849	500	0	0	795	-1,908	13,200	1,000
Laundry	853	0	1,072	1,745	2,415	2,612	3,780	3,780
Maintenance: Buildings	855	0	0	6	0	0	0	0
Maintenance: Lines	856	36	0	162	0	75	300	280
Maintenance: Other	857	156	38	183	58	2,351	2,500	2,500
Maintenance: Pumps, etc.	859	310	5,016	4,745	3,316	5,535	7,000	18,000
Maintenance: Reservoir	860	0	0	0	14	0	300	300
Maintenance: Equipment	861	0	6,720	7,236	2,605	3,331	11,965	11,960
Contracted Services	863	1,308	1,686	9,950	1,398	3,640	14,000	23,800
Printing	865	0	48	215	0	0	600	600
Maintenance: Equip Outside	867	0	1,983	1,622	6,953	1,902	3,300	2,500
Public Relations	869	0	0	0	74	0	0	0
Pub & Filing Costs	871	0	0	0	3,800	0	0	0
Rental/Leasing Equip	873	29,300	0	0	0	0	0	0
Rental: Other	875	306	509	0	1,916	0	700	700
Rental: Real Property	877	95	0	100	85	0	300	300
Travel, Training	885	0	0	405	175	1,191	2,600	2,590
Educational Reimbursement	886	189	326	0	0	0	0	0
Utilities	889	69,779	59,077	71,433	67,520	70,312	70,000	70,000
Subtotal		255,816	225,381	271,436	300,111	348,048	496,640	523,590
TOTAL		1,009,177	996,107	1,037,060	1,140,848	1,166,339	1,377,640	1,443,140

(1) Data obtained from City of Lewiston budget documents.

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TABLE 8-4
HISTORICAL OPERATING EXPENSE ANALYSIS
FY 1986 TO FY 1992

	FY86	FY87	FY88	FY89	FY90 (Actual)	FY91 (Anticip)	FY92 (Adopted)	Five Year Compound Average Annual Percent Increase
Administration : Acct 211								
Salaries	21,998	23,638	46,738	44,789	51,008	64,940	70,930	11.0%
Employee Benefits	82,541	91,524	17,794	20,242	13,840	18,665	19,700	2.6%
Admin. Services	51,766	56,475	51,440	83,860	50,000	50,000	50,000	-0.7%
Depreciation: Land, Buildings	135,159	147,400	148,404	175,522	189,538	192,000	192,000	6.7%
Other	<u>7,937</u>	<u>3,832</u>	<u>10,297</u>	<u>9,251</u>	<u>6,713</u>	<u>11,160</u>	<u>10,830</u>	1.3%
Subtotal	299,401	322,869	274,673	333,664	311,099	336,765	343,460	5.7%
Treatment: Acct 212								
Salaries	127,892	135,794	123,578	127,796	133,739	142,625	152,860	5.5%
Employee Benefits	3,451	3,269	40,845	43,441	52,926	52,330	55,850	8.1%
Interest on Outstanding bonds	141,005	140,566	134,136	133,170	127,625	140,000	140,000	1.1%
Chemicals and Oper. Supplies	39,055	35,783	44,037	56,177	42,917	49,000	52,470	4.5%
Maintenance	3,044	2,436	6,128	14,733	14,646	28,000	33,600	53.0%
Contracted Services	15,298	7,856	13,630	15,424	5,868	10,000	10,000	-7.5%
Utilities	118,218	116,118	117,538	105,616	118,270	107,740	107,740	-2.2%
Other	<u>5,997</u>	<u>6,035</u>	<u>11,059</u>	<u>10,716</u>	<u>11,201</u>	<u>14,540</u>	<u>23,570</u>	20.8%
Subtotal	453,960	447,857	490,951	507,073	507,192	544,235	576,090	4.1%
Maintenance & Distribution: Acct 213								
Salaries	115,849	115,834	108,731	115,040	148,185	204,075	219,170	19.2%
Employee Benefits	743	28	32,988	44,883	53,562	70,550	74,700	22.7%
Customer Installations	10,908	10,361	14,297	19,582	21,329	35,000	35,000	25.1%
Maintenance	17,050	24,786	20,749	24,444	25,707	61,065	72,040	36.5%
Chemicals and Oper. Supplies	5,172	4,665	3,413	4,557	4,297	5,000	5,650	13.4%
Contracted Services	1,308	1,686	9,950	1,398	3,640	14,000	23,800	24.4%
Utilities	69,779	59,077	71,433	67,520	70,312	70,000	70,000	-0.5%
Other	<u>35,007</u>	<u>8,944</u>	<u>9,875</u>	<u>22,687</u>	<u>21,016</u>	<u>36,950</u>	<u>23,230</u>	23.8%
Subtotal	255,816	225,381	271,436	300,111	348,048	496,640	523,590	17.9%
TOTAL EXPENSES	1,009,177	996,107	1,037,060	1,140,848	1,166,339	1,377,840	1,443,140	8.6%
Expense Categories								
Personnel Services	352,474	370,087	370,674	396,191	453,260	553,185	593,210	12.5%
Supplies & Materials	64,321	67,670	74,327	99,911	87,567	143,065	163,760	21.8%
Services and Charges	592,382	558,350	592,059	644,746	625,512	681,390	686,170	3.8%

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For this study, historical expenses for FY 1985-1986 through FY 1991-1992 (budgeted) were analyzed. The water fund is currently divided into four functional accounts:

- Administration (Account 211)
- Treatment (Account 212)
- Maintenance and Distribution (Account 213)

The largest factors influencing the operating expenses incurred by the water system's operation over the past five years are inflation and funding for renewal and replacement of the supply, treatment, and distribution systems. In coming years, operating expenses are expected to continue to increase, particularly to support capital expenditures for the proposed WTP project.

The largest expense category, services and charges, has increased 3.76 percent on a compound average annual basis from FY 1987-1988 to FY 1991-1992. Services and charges include administrative and contracted services, and utilities. The second largest expense category, personnel services, has increased by 12.47 percent per year over the same period. This category includes salaries and employee benefits, and reflects additions to staff. The third largest category, supplies and materials, which includes chemicals, equipment, and maintenance items, has increased an average of 21.83 percent per year. In total, operating expenses have increased an average of 8.61 percent per year over the past five years on a compound annual basis.

The budgeted FY 1992 expenses are as follows:

FY 1992 WATER FUND EXPENSES

Function	Amount
Administration, Account 211	\$ 151,460
Treatment, Account 212	436,090
Maintenance and Distribution, Account 213	523,590
TOTAL	\$ 1,111,140
Plus Depreciation	192,000
Plus Debt Service	217,725
NET CASH REQUIREMENT	\$ 1,520,865

Projected Operating Expenses

For each functional account, expenses were summarized into major categories, including: salaries, employee benefits, depreciation, operating supplies, maintenance, contracted services, and other expenses. Expenses for each of these categories were then projected for FY 1992-1993 through FY 1997-1998. These projections are presented in Table 8-5. The projections were developed by escalating certain categories of expenses at an 8.0 percent

TABLE 8-5

PROJECTED OPERATING EXPENSES
FY 1992-1993 TO FY 2001-2002

	HISTORICAL			PROJECTED									
	FY90 (Actual)	FY91 (Anticip)	FY92 (Adopted)	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02
Administration : Acct 211													
Salaries (1)	51,008	64,940	70,930	77,000	83,000	90,000	97,000	105,000	113,000	122,000	132,000	143,000	154,000
Employee Benefits (1)	13,840	18,665	19,700	21,000	23,000	25,000	27,000	29,000	31,000	33,000	36,000	39,000	42,000
Admin. Services (2)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Depreciation: Land, Bldgs. (2)	189,538	192,000	192,000	192,000	192,000	192,000	192,000	192,000	192,000	192,000	192,000	192,000	192,000
Other (1)	6,713	11,160	10,830	12,000	13,000	14,000	15,000	16,000	17,000	18,000	19,000	21,000	23,000
Subtotal	311,099	336,765	343,460	352,000	361,000	371,000	381,000	392,000	403,000	415,000	429,000	445,000	461,000
Subtotal, Less Depreciation	121,561	144,765	151,460	160,000	169,000	179,000	189,000	200,000	211,000	223,000	237,000	253,000	269,000
Treatment: Acct 212													
Salaries (1)	133,739	142,625	152,860	165,000	178,000	192,000	207,000	224,000	242,000	261,000	282,000	305,000	329,000
Employee Benefits (1)	52,926	52,330	55,850	60,000	65,000	70,000	76,000	82,000	89,000	96,000	104,000	112,000	121,000
Interest (2)	127,625	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000
Chemicals and Oper. Supplies (1)	42,917	48,000	52,470	57,000	62,000	67,000	72,000	78,000	84,000	91,000	98,000	106,000	114,000
Maintenance (1)	14,646	28,000	33,600	36,000	39,000	42,000	45,000	49,000	53,000	57,000	62,000	67,000	72,000
Contracted Services (1)	5,868	10,000	10,000	11,000	12,000	13,000	14,000	15,000	16,000	17,000	18,000	19,000	21,000
Utilities (1)	118,270	107,740	107,740	116,000	125,000	135,000	146,000	158,000	171,000	185,000	200,000	216,000	233,000
Other (1)	11,201	14,540	23,570	25,000	27,000	29,000	31,000	33,000	36,000	39,000	42,000	45,000	49,000
Subtotal	507,192	544,235	576,090	610,000	648,000	688,000	731,000	779,000	831,000	886,000	946,000	1,010,000	1,079,000
Subtotal, w/o Interest Expense	379,567	404,235	436,090	470,000	508,000	548,000	591,000	639,000	691,000	746,000	806,000	870,000	939,000
Maintenance & Distribution: Acct 213													
Salaries (1)	148,185	204,075	219,170	237,000	256,000	276,000	298,000	322,000	348,000	376,000	406,000	438,000	473,000
Employee Benefits (1)	53,562	70,550	74,700	81,000	87,000	94,000	102,000	110,000	119,000	129,000	139,000	150,000	162,000
Customer Installations (1)	21,329	35,000	35,000	38,000	41,000	44,000	48,000	52,000	56,000	60,000	65,000	70,000	76,000
Maintenance (1)	25,707	61,065	72,040	78,000	84,000	91,000	98,000	106,000	114,000	123,000	133,000	144,000	156,000
Chemicals and Oper. Supplies (1)	4,297	5,000	5,650	6,100	6,600	7,100	7,700	8,300	9,000	9,700	10,500	11,300	12,200
Contracted Services (1)	3,640	14,000	23,800	26,000	28,000	30,000	32,000	35,000	38,000	41,000	44,000	48,000	52,000
Utilities (1)	70,312	70,000	70,000	76,000	82,000	89,000	96,000	104,000	112,000	121,000	131,000	141,000	152,000
Other (1)	21,016	36,950	23,230	25,000	27,000	29,000	31,000	33,000	36,000	39,000	42,000	45,000	49,000
Subtotal	348,048	496,640	523,590	567,100	611,600	660,100	712,700	770,300	832,000	898,700	970,500	1,047,300	1,132,200
TOTAL EXPENSES (3) (w/Interest)	1,166,339	1,377,840	1,443,140	1,529,100	1,620,600	1,719,100	1,824,700	1,941,300	2,066,000	2,199,700	2,345,500	2,502,300	2,672,200

PROJECTION CRITERIA

- (1) Assumed future Compound Average Annual Increase: 8%
- (2) Assumed Constant over the Projection Period.
- (3) Includes administration expense with depreciation, treatment expense with interest, and maintenance and distribution expense.

983.32
 742.95/avg

compound annual rate and holding others constant based on historical patterns. Depreciation was projected to remain a constant \$192,000 through FY 1997-1998, and

interest on outstanding bonds was projected to follow the debt service schedule established for the 1977 water system revenue bonds.

FINANCIAL PLANNING

In considering present financial policies as they relate to the historical performance of the Water Fund and the expected future impact of increased expenses due to proposed capital investment and inflation, several financial planning issues must be considered. These center around the judicious use of debt financing to support the proposed \$7.62 million new WTP project.

Debt Financing

The City has not used debt to finance water system improvements since 1977. However, it is recommended that the new WTP be financed with a current interest revenue bond issue.

The estimated debt service schedule for the proposed WTP project is presented in Table 8-6. The debt service to support that project would be about \$890,000 per year from FY 1997-1998 through FY 2026-2027. This assumes issuance of thirty year bonds at a 7.0 percent current interest rate. Further inflation of project cost is assumed to be 5.0 percent per year from FY 1991-1992 to the mid-point of construction in FY 1997-1998. Financing costs are assumed to be 2.0 percent and construction funds are assumed to be reinvested at 6.75 percent. Interest during construction is assumed to accrue for 12 months, and investment earnings assume a level drawdown.

The rate increase implemented during FY 1989-1990 was approximately 15 percent and resulted in \$185,000 additional revenues to be collected according to the FY 1990-1991 budget document. The necessary increase in customer service charges to support an additional \$890,000 annual debt service payment would have been about 75 percent all else being equal. This assumes that there are no contributions from cash reserves and that the rate increase was implemented all at once. However, there are several methods through which the City can begin to plan for the increased revenue requirements to both spread the impact on user rates or to reduce the amount of debt issued.

Cash Reserve Contributions. By beginning to accrue additional cash reserves now in anticipation of the new WTP project, the amount of debt issued can be reduced. Any amount contributed from reserves will reduce the amount required to be debt financed, thus resulting in lower debt service to be paid each year. For example, if \$2.0 million of the WTP project cost were financed from cash reserves built up between now and FY 1997, the annual debt service payment could be reduced to \$760,000, a 15 percent reduction. The total amount of interest paid over the term of the bonds would be reduced from \$16.4 million to \$13.3 million and the incremental rate increase necessary to support a debt service payment of \$760,000 would be proportionately reduced.

Capitalized Interest. The opportunity also exists to capitalize interest due on the bonds during the first year or two of issuance. Capitalized interest is often used to delay interest payments until a project is constructed and is able to generate revenues. This would increase the size of the debt issue, but would postpone the impact of the debt service payments on rate payers for the period for which the interest is capitalized. Table 8-6 assumes that one year's worth of interest has been capitalized and added to the total borrowing necessary.

TABLE 8-6

**ESTIMATED DEBT SERVICE SCHEDULE
PROPOSED WATER TREATMENT PLANT PROJECT**

		Year	Principal	Interest	Reserve Contribution	Net Debt Payable
Estimated Total Capital Costs (1)	\$10,200,000	1998	115,000	770,350	0	885,350
Interest during Construction (2)	770,350	1999	125,000	762,300	0	887,300
Reserve Funds	0.00% 0	2000	135,000	753,550	0	888,550
Costs of Financing	2.00% 220,100	2001	145,000	744,100	0	889,100
Less:		2002	155,000	733,950	0	888,950
Investment Earnings (3)	(185,709)	2003	165,000	723,100	0	888,100
Grants Received	0	2004	175,000	711,550	0	886,550
Rounding amount	259	2005	185,000	699,300	0	884,300
BORROWING NECESSARY	\$11,005,000	2006	200,000	686,350	0	886,350
		2007	215,000	672,350	0	887,350
		2008	230,000	657,300	0	887,300
		2009	245,000	641,200	0	886,200
		2010	260,000	624,050	0	884,050
Number of Principal Payments	30	2011	280,000	605,850	0	885,850
Average bond rate	7.00%	2012	300,000	586,250	0	886,250
		2013	320,000	565,250	0	885,250
		2014	345,000	542,850	0	887,850
Investment earnings rates		2015	370,000	518,700	0	888,700
Construction Funds	6.75%	2016	395,000	492,800	0	887,800
Reserve Funds	--	2017	420,000	465,150	0	885,150
		2018	450,000	435,750	0	885,750
Assumed Inflation Rate	5.00%	2019	480,000	404,250	0	884,250
		2020	515,000	370,650	0	885,650
		2021	550,000	334,600	0	884,600
		2022	590,000	296,100	0	886,100
		2023	635,000	254,800	0	889,800
		2024	675,000	210,350	0	885,350
		2025	725,000	163,100	0	888,100
		2026	775,000	112,350	0	887,350
		2027	830,000	58,100	0	888,100
TOTALS			11,005,000	15,596,350	0	26,601,350

(1) Total capital cost of \$7,620,000 in 1992 dollars is escalated to \$10,200,000 in FY 1998 by an assumed annual inflation rate of 5.0 percent.

(2) Includes capitalization of 12 months interest.

(3) Based on assumed level drawdown.

8-11

OCT 25 1993

REVENUE PROGRAM

The revenue program discussed below is designed to suggest alternatives to ensure that revenues are available when needed. Included is a discussion of existing user charges, an analysis of sources and applications of funds, and discussion of several optional user charge alternatives which may be considered. The scenarios discussed below have been designed to explore possible alternate rate adjustments that will finance recommended improvements while maintaining a reasonable level of water fund and capital project fund cash reserves.

Overview of Existing User Charges

The existing water user charges for the City of Lewiston includes a base monthly charge (or base facility charge) and a commodity charge expressed in dollars per 100 cubic feet. The base facility charge is dependent on the meter size, in inches. The existing base facility charge for single family customers with a 3/4 inch meter is \$2.25 per month. The commodity portion of the rate is currently expressed in dollars per 100 cubic feet. The existing commodity rate is \$0.75 per 100 cubic feet, or \$1.00 per 1000 gallons. These service charges are billed quarterly.

Based on customer usage statistics (included as a footnote to the FY 1990 Financial Report) the 3,617 single family customers generated an annual gross revenue of \$513,297 in FY 1989-1990. The average monthly bill in 1990 for single family customers was therefore \$11.83. This rate structure is considered to be a flat rate schedule. That is, there is a flat rate of \$0.75 per 100 cubic feet plus a monthly Base Facility Charge.

Sources and Applications of Funds

The cash basis has been utilized to determine the necessary rate adjustments projected to be required from FY 1991-1992 to FY 2001-2002. The applications of funds include Administration, Treatment, and Maintenance and Distribution expenses, capital improvements, debt service, and debt service coverage. These requirements must be met by the cash received by the water fund through customer service charges, customer installation charges, interest and earnings dividends, and other miscellaneous sources.

Table 8-7 presents an analysis of sources and applications of funds that attempts to match anticipated revenues with cash requirements (or applications) of funds in a given year. The sources less the applications equals a surplus (or deficit) of funds. Depreciation expense has been excluded from the analysis since it appears as a debit in the water fund accounting and a credit in the capital projects fund accounting. The recommended capital projects investment has been included as an application of funds. All revenue sources except for customer service charges have been assumed constant over the projection period. Interest and dividend earnings are assumed to be \$80,000. A given increase in user charges is assumed to be added to the total customer service charge revenue received.

Rate Adjustment Scenarios

Five rate adjustment scenarios have been prepared to evaluate the range of possible strategies for ensuring sufficient revenues are collected to offset sustained increased capital expenditures and inflationary trends. In each scenario, excepts numbers 1 and 2 as discussed below, the primary goal was to maintain a positive combined funds balance in every year.

TABLE 8-7
PRO FORMA
SOURCES AND APPLICATIONS OF FUNDS
Scenario 1: No Rate Increases

	FY90 (Actual)	FY91 (Anticipated)	FY92 (Budget)	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02
SOURCES OF FUNDS													
Operating Revenues													
Customer Service Charges (1)	1,212,860	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550	1,430,550
Installations (2)	32,794	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Other (2)	1,731	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Non-Operating Revenues													
Interest and Dividend Earnings (2)	77,744	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
TOTAL REVENUE SOURCES	1,324,129	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050	1,547,050
APPLICATION OF FUNDS													
Administration (3)	121,561	144,765	151,460	160,000	169,000	179,000	189,000	200,000	211,000	223,000	237,000	253,000	269,000
Treatment (3)	379,567	404,235	436,090	470,000	508,000	548,000	591,000	639,000	691,000	746,000	806,000	870,000	939,000
Maintenance & Distribution (3)	348,048	496,640	523,590	567,100	611,600	660,100	712,700	770,300	832,000	898,700	970,500	1,047,300	1,132,200
Capital Projects (4)	266,166	355,086	349,000	425,000	455,000	450,000	475,000	75,000	75,000	75,000	395,000	395,000	350,000
Debt Service (Principal & Interest) (5)	217,063	218,226	217,725	217,913	217,776	216,313	215,575	218,297	1,108,000	1,108,000	1,108,000	1,108,000	1,108,000
TOTAL APPLICATIONS	1,332,405	1,618,952	1,677,865	1,840,013	1,961,376	2,053,413	2,183,275	1,902,597	2,217,000	3,059,700	3,516,500	3,673,300	3,798,200
Surplus (Deficit) of Combined Funds	(7,276)	(71,902)	(130,815)	(292,963)	(414,326)	(506,363)	(636,225)	(355,547)	(1,369,950)	(1,503,650)	(1,969,450)	(2,126,250)	(2,251,150)
Combined Funds Balance, Year-End (6)	<u>\$1,024,538</u>	<u>\$952,636</u>	<u>\$821,821</u>	<u>\$528,858</u>	<u>\$114,532</u>	<u>(\$391,831)</u>	<u>(\$1,028,056)</u>	<u>(\$1,383,603)</u>	<u>(\$2,753,553)</u>	<u>(\$4,257,203)</u>	<u>(\$6,226,653)</u>	<u>(\$8,352,903)</u>	<u>(\$10,604,053)</u>
Increase in User Charges	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

- (1) Maintained constant to evaluate impact on year-end combined funds balance.
(2) Assumed constant over the projection period.
(3) Projections from Table 8-5.
(4) Projections from Table 8-1. Depreciation expense is not included in the combined funds analysis since it appears as a debit item in the Water Fund and a credit item in the Capital Projects Fund.
(5) Projections from FY 1990 Financial Report plus debt service to finance WTP project beginning in FY 98.
(6) Combined Fund Cash Balance for year-end FY 1989 is \$1,031,814. This includes \$473,082 from the Water Enterprise Fund and \$558,732 from the Capital Fund.

OCT 25 1993

Scenario 1: No Change. The sources and applications of funds statement in Table 8-7 assumes no change in existing rates over the next six years. This results in an immediate and significant drop in cash reserves. Further, it will result in depleting these reserves sometime during FY 1994-1995. Unfortunately, such a scenario would quickly result in the water system operation changing from financially stable to operating at a loss. This scenario was developed for comparative purposes and is not deemed a recommended option.

Scenario 2: Maintain a Zero Surplus (Deficit) of Combined Funds Balance. The sources and applications of funds statement in Table 8-8 presents those annual rate increases just sufficient to maintain a zero surplus (deficit) in every year, beginning in FY 1991-1992. This scenario indicates which future years, in this case FY 1993-1994, FY 1996-1997, and FY 1999-2000 will require the largest rate increases.

Scenario 3: Level Biennial Rate Increases. The sources and applications of funds statement in Table 8-9 assumes equal biennial rate increases sufficient to maintain a reasonable combined funds balance in every year and a non-zero funds balance at year-end FY 2001-2002. An 18 percent rate increase every other year beginning in FY 1991-1992 would meet this goal.

Scenario 4: Level Annual Rate Increases. The source and application of funds statement in Table 8-10 assumes equal annual rate increases to maintain a reasonable combined funds balance of greater than \$100,000 and a non-zero funds balance at year-end FY 2001-2002. A 9 percent rate increase every year would meet this goal and spread the impact of paying greatly increased debt service payments beginning in FY 1996-1997.

Scenario 5: Buildup a \$2.0 Million Cash Reserve by FY 1995-1996. The sources and applications statement in Table 8-11 suggests a strategy to accumulate \$2.0 million to reduce the amount of bonds and, consequently, the debt service on bonds issued to finance the new WTP project. This scenario reduces debt service on WTP bonds from \$890,000 per year to \$715,000 per year. As presented in the table, a series of three increases: 20 percent in FY 1991-1992, 20 percent in FY 1992-1993, and 10 percent in FY 1993-1994 would accomplish this goal. A 10 percent increase in FY 1995-1996 and 7 percent increases in every year from FY 1997-1998 through FY 2001-2002 would help maintain funds balances greater than \$500,000 in those later years.

Revenue Program Alternatives

Conservation Incentive. The City may be interested in encouraging water conservation. If this is the case, the opportunity exists to design a rate structure which will offer customers an economic incentive to reduce the demand they place on the system. One such mechanism is an increasing block rate structure. This schedule would provide for an increasing rate per 100 cubic feet to penalize those customers using an excessive amount of water. Such a schedule might also provide an advantage for users with significantly smaller than average needs. An example of such a schedule might be \$0.75 per 100 cubic feet per month for the first 500 cubic feet and \$1.10 per 100 cubic feet for every 100 cubic feet of monthly usage beyond that. Such a schedule could be refined in many ways to target a specific usage breakpoint, or to penalize a certain percentage of customers, or to meet some other financial policy goal.

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OCT 25 1993

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TABLE 8-8
PRO FORMA
SOURCES AND APPLICATIONS OF FUNDS
Scenario 2: Maintain Zero Surplus (Deficit) of Combined Funds Balance

	FY90 (Actual)	FY91 (Anticipated)	FY92 (Budget)	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02
SOURCES OF FUNDS													
Operating Revenues													
Customer Service Charges (1)	1,212,860	1,430,550	1,561,365	1,723,513	1,844,876	1,936,913	2,066,775	2,066,775	2,800,500	2,934,200	3,400,000	3,556,800	3,681,700
Installations (2)	32,794	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Other (2)	1,731	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Non-Operating Revenues													
Interest and Dividend Earnings (2)	77,744	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
TOTAL REVENUE SOURCES	1,325,129	1,547,050	1,677,865	1,840,013	1,961,376	2,053,413	2,183,275	2,183,275	2,917,000	3,050,700	3,516,500	3,673,300	3,798,200
APPLICATION OF FUNDS													
Administration (3)	121,561	144,765	151,460	160,000	169,000	179,000	189,000	200,000	211,000	223,000	237,000	253,000	269,000
Treatment (3)	379,567	404,235	436,090	470,000	508,000	548,000	591,000	639,000	691,000	746,000	806,000	870,000	939,000
Maintenance & Distribution (3)	348,048	496,840	523,590	567,100	611,600	660,100	712,700	770,300	832,000	898,700	970,500	1,047,300	1,132,200
Capital Projects (4)	268,168	355,086	349,000	425,000	455,000	450,000	475,000	75,000	75,000	75,000	395,000	395,000	350,000
Debt Service (Principal & Interest) (5)	217,063	218,228	217,725	217,913	217,776	216,313	215,575	218,297	1,108,000	1,108,000	1,108,000	1,108,000	1,108,000
TOTAL APPLICATIONS	1,332,405	1,618,952	1,677,865	1,840,013	1,961,376	2,053,413	2,183,275	1,902,597	2,917,000	3,050,700	3,516,500	3,673,300	3,798,200
Surplus (Deficit) of Combined Funds	(7,276)	(71,902)	0	0	0	0	0	280,678	0	0	0	0	0
Combined Funds Balance, Year-End (6)	\$1,024,538	\$952,636	\$952,636	\$952,636	\$952,636	\$952,636	\$952,636	\$1,233,314	\$1,233,314	\$1,233,314	\$1,233,314	\$1,233,314	\$1,233,314
Increase in User Charges			9.1%	10.4%	7.0%	5.0%	6.7%	0.0%	35.5%	4.8%	15.9%	4.6%	3.5%

(1) Customer Service Charges adjusted annually to maintain a zero surplus (deficit) of combined funds.

(2) Assumed constant over the projection period.

(3) Projections from Table 8-5.

(4) Projections from Table 8-1.

Depreciation Expense is not included in the combined funds analysis since it appears as a debit item in the Water Fund and a credit item in the Capital Projects Fund.

(5) Projections from FY 1990 Financial Report plus debt service to finance WTP project beginning in FY 98.

(6) Combined Fund Cash Balance for year-end FY 1989 is \$1,031,814. This includes \$473,082 from the Water Enterprise Fund and \$558,732 from the Capital Fund.

OCT 25 1993

TABLE 8-9
PRO FORMA
SOURCES AND APPLICATIONS OF FUNDS
Scenario 3: Level Biennial Rate Increases

	FY90 (Actual)	FY91 (Anticipated)	FY92 (Budget)	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02
SOURCES OF FUNDS													
Operating Revenues													
Customer Service Charges (1)	1,212,860	1,430,550	1,688,049	1,688,049	1,991,898	1,991,898	2,350,439	2,350,439	2,773,519	2,773,519	3,272,752	3,272,752	3,861,847
Installations (2)	32,794	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Other (2)	1,731	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Non-Operating Revenues													
Interest and Dividend Earnings (2)	77,744	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
TOTAL REVENUE SOURCES	1,325,129	1,547,050	1,804,549	1,804,549	2,108,398	2,108,398	2,466,939	2,466,939	2,890,019	2,890,019	3,389,252	3,389,252	3,978,347
APPLICATION OF FUNDS													
Administration (3)	121,561	144,765	151,460	160,000	169,000	179,000	189,000	200,000	211,000	223,000	237,000	253,000	269,000
Treatment (3)	379,587	404,235	436,090	470,000	508,000	548,000	591,000	639,000	691,000	746,000	806,000	870,000	939,000
Maintenance & Distribution (3)	348,048	496,840	523,590	567,100	611,600	660,100	712,700	770,300	832,000	898,700	970,500	1,047,300	1,132,200
Capital Projects (4)	266,166	355,086	349,000	425,000	455,000	450,000	475,000	75,000	75,000	75,000	395,000	395,000	350,000
Debt Service (Principal & Interest) (5)	217,063	218,226	217,725	217,913	217,776	216,313	215,575	218,297	1,108,000	1,108,000	1,108,000	1,108,000	1,108,000
TOTAL APPLICATIONS	1,332,405	1,618,952	1,677,865	1,840,013	1,961,376	2,053,413	2,183,275	1,902,597	2,917,000	3,050,700	3,516,500	3,673,300	3,798,200
Surplus (Deficit) of Combined Funds	(7,276)	(71,902)	126,684	(35,464)	147,022	54,985	283,664	564,342	(26,981)	(160,681)	(127,248)	(284,048)	180,147
Combined Funds Balance, Year-End (6)	\$1,024,539	\$952,636	\$1,079,320	\$1,043,856	\$1,190,873	\$1,245,863	\$1,529,527	\$2,093,869	\$2,066,888	\$1,906,207	\$1,773,958	\$1,494,910	\$1,675,057
Increase in User Charges			18.0%	0.0%	18.0%	0.0%	18.0%	0.0%	18.0%	0.0%	18.0%	0.0%	18.0%

- (1) Customer Service Charges adjusted annually to maintain a zero surplus (deficit) of combined funds.
(2) Assumed constant over the projection period.
(3) Projections from Table 8-5.
(4) Projections from Table 8-1. Depreciation Expense is not included in the combined funds analysis since it appears as a debit item in the Water Fund and a credit item in the Capital Projects Fund.
(5) Projections from FY 1990 Financial Report plus debt service to finance WTP project beginning in FY 98.
(6) Combined Fund Cash Balance for year-end FY 1989 is \$1,031,814. This includes \$473,082 from the Water Enterprise Fund and \$558,732 from the Capital Fund.

OCT 25 1993

TABLE 8-10
PRO FORMA
SOURCES AND APPLICATIONS OF FUNDS
Scenario 4: Level Annual Rate Increases

	FY90 (Actual)	FY91 (Anticipated)	FY92 (Budget)	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02
SOURCES OF FUNDS													
Operating Revenues													
Customer Service Charges (1)	1,212,860	1,430,550	1,559,300	1,699,636	1,852,604	2,019,338	2,201,078	2,399,176	2,615,101	2,850,460	3,107,002	3,386,632	3,691,429
Installations (2)	32,794	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Other (2)	1,731	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Non-Operating Revenues													
Interest and Dividend Earnings (2)	77,744	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
TOTAL REVENUE SOURCES	1,325,129	1,541,050	1,675,800	1,816,136	1,969,104	2,135,838	2,317,578	2,515,676	2,731,601	2,966,960	3,223,502	3,503,132	3,807,929
APPLICATION OF FUNDS													
Administration (3)	121,561	144,765	151,460	160,000	169,000	179,000	189,000	200,000	211,000	223,000	237,000	253,000	269,000
Treatment (3)	379,567	404,235	436,090	470,000	508,000	548,000	591,000	639,000	691,000	748,000	806,000	870,000	939,000
Maintenance & Distribution (3)	348,048	496,640	523,590	567,100	611,600	660,100	712,700	770,300	832,000	898,700	970,500	1,047,300	1,132,200
Capital Projects (4)	266,166	355,086	349,000	425,000	455,000	450,000	475,000	75,000	75,000	75,000	395,000	395,000	350,000
Debt Service (Principal & Interest) (5)	217,063	218,226	217,725	217,913	217,776	216,313	215,575	218,297	1,108,000	1,108,000	1,108,000	1,108,000	1,108,000
TOTAL APPLICATIONS	1,332,405	1,618,952	1,677,865	1,840,013	1,961,376	2,053,413	2,183,275	1,902,597	2,917,000	3,050,700	3,516,500	3,673,300	3,798,200
Surplus (Deficit) of Combined Funds	(7,276)	(71,902)	(2,066)	(23,877)	7,728	82,425	134,303	613,079	(185,399)	(83,740)	(292,998)	(170,168)	9,729
Combined Funds Balance, Year-End (6)	\$1,024,538	\$952,636	\$950,571	\$926,694	\$934,422	\$1,016,847	\$1,151,150	\$1,764,229	\$1,578,830	\$1,485,091	\$1,202,093	\$1,031,925	\$1,041,654
Increase in User Charges	-	-	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%

- (1) Customer Service Charges adjusted annually to maintain a zero surplus (deficit) of combined funds.
- (2) Assumed constant over the projection period.
- (3) Projections from Table 8-5.
- (4) Projections from Table 8-1. Depreciation Expense is not included in the combined funds analysis since it appears as a debit item in the Water Fund and a credit item in the Capital Projects Fund.
- (5) Projections from FY 1990 Financial Report plus debt service to finance new WTP project beginning in FY 98.
- (6) Combined Fund Cash Balance for year-end FY 1989 is \$1,031,814. This includes \$473,082 from the Water Enterprise Fund and \$558,732 from the Capital Fund.

OCT 25 1993

TABLE 8-11

PRO FORMA
SOURCES AND APPLICATIONS OF FUNDS
 Scenario 5: Build Up \$2.0 Million Cash Reserve by FY 98

	FY90 (Actual)	FY91 (Anticipated)	FY92 (Budget)	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02
SOURCES OF FUNDS													
Operating Revenues													
Customer Service Charges (1)	1,212,860	1,430,550	1,716,660	2,059,992	2,265,991	2,265,991	2,492,590	2,492,590	2,667,072	2,853,767	3,053,530	3,267,277	3,495,987
Installations (2)	32,794	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Other (2)	1,731	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Non-Operating Revenues													
Interest and Dividend Earnings (2)	77,744	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
TOTAL REVENUE SOURCES	1,325,129	1,547,050	1,833,160	2,176,492	2,382,491	2,382,491	2,609,090	2,609,090	2,783,572	2,970,267	3,170,030	3,383,777	3,612,487
APPLICATION OF FUNDS													
Administration (3)	121,561	144,785	151,460	160,000	169,000	179,000	189,000	200,000	211,000	223,000	237,000	253,000	269,000
Treatment (3)	379,587	404,235	436,090	470,000	508,000	548,000	591,000	639,000	691,000	748,000	806,000	870,000	939,000
Maintenance & Distribution (3)	348,048	496,640	523,590	567,100	611,600	660,100	712,700	770,300	832,000	898,700	970,500	1,047,300	1,132,200
Capital Projects (4)	266,168	355,088	349,000	425,000	455,000	450,000	475,000	75,000	75,000	75,000	395,000	395,000	350,000
Debt Service (Principal & Interest) (5)	217,063	218,226	217,725	217,913	217,776	216,313	215,575	218,297	933,000	933,000	933,000	933,000	933,000
TOTAL APPLICATIONS	1,332,405	1,618,952	1,677,865	1,840,013	1,961,376	2,053,413	2,183,275	1,902,597	2,742,000	2,875,700	3,341,500	3,498,300	3,623,200
Capital Projects (5)													
New WTP Cash Reserve (6)			400,000	800,000	1,200,000	1,600,000	2,000,000						
Surplus (Deficit) of Combined Funds	(7,276)	(71,902)	(244,705)	(63,521)	21,113	(70,922)	25,815	706,493	41,572	94,567	(171,470)	(114,523)	(10,713)
Combined Funds Balance, Year-End (7)	\$1,024,539	\$952,636	\$707,931	\$644,410	\$665,525	\$594,603	\$620,419	\$1,326,912	\$1,368,484	\$1,463,050	\$1,291,581	\$1,177,059	\$1,166,345
Increase in User Charges	-	-	20.0%	20.0%	10.0%	0.0%	10.0%	0.0%	7.0%	7.0%	7.0%	7.0%	7.0%

- (1) Customer Service Charges adjusted annually to maintain a zero surplus (deficit) of combined funds.
 (2) Assumed constant over the projection period.
 (3) Projections from Table 8-5.
 (4) Projections from Table 8-1.
 (5) Projections from FY 1990 Financial Report plus debt service to finance WTP project beginning in FY 98. Debt service reflects bonded amount of \$9,005,000.
 (6) Special WTP reserve fund used in FY 97 to offset required bond financing.
 (7) Combined Fund Cash Balance for year-end FY 1989 is \$1,031,814. This includes \$473,082 from the Water Enterprise Fund and \$558,732 from the Capital Fund.

Higher Base Charges. The existing rates include a base facility charge and a commodity fee based on the amount of water used by a customer. There are no customer classes, per se, but the meter charge varies with the size of the meter. A full cost of service analysis was beyond the scope of this rate study, but it appears that the meter fee, ostensibly that portion of the user fee to recoup the fixed and non-variable costs of providing water service, is too low. That is, the City incurs fixed and non-variable costs in providing water service which are not recouped solely from the meter fee. This would result, in times on water usage restrictions or drought, in the City possibly experiencing a revenue shortfall since commodity, or usage, revenues would diminish but the fixed costs of operation would remain. To rectify this situation, the City may opt to assign any rate increases over the next four years entirely to the base facility charge portion of the rate. This adjustment would result in a more stable revenue stream to endure minor drought periods with minimal loss of revenue.

Connection Fees. The City at present does not charge for connections to the water system beyond the cost of meter installation. If the City is anticipating a significant future capital investment in its water system, a portion of the capital cost could be partly offset by monies accumulated in a connection fee fund. These funds would be raised by charging new customers their fair share of the cost of new plant capacity. Once these new customers are on-line, they will then begin paying for the debt service and renewal and replacement of that capacity. However, the cost of constructing new capacity partly in anticipation of new customers appears to be presently borne by existing customers. Though the City appears not to be expecting a great number of new connections in the near term, it may be deemed prudent to accumulate funds from new connections in anticipation of expected additional capital investment.

A connection fee is designed to recover from new customers that portion of system capital expenditures attributable to these customers. It is a one-time payment made by a developer or customer at the time that customer is connected to the system. Such a schedule of charges, differentiated by customer billing category, uses as its basis the unit of measure defined as an equivalent residential connection (ERC).

The definition of an ERC, for this report, may be assumed to equate the average daily usage of a single-family residence with a 3/4 inch meter as 1.0 ERC. The number of ERCs defined for each of the other billing categories is defined to be the ratio of the average number of gallons per day that is estimated will be billed to the average unit of a specific category divided by the average number of gallons per day that is estimated will be billed to the average unit in the single-family 3/4-inch meter category.

Given the estimated project cost capacity of the proposed new WTP facility, the connection fee would be \$770 per ERC. If it is assumed that 40 ERCs per year connect to the system over the next five years, the connection fee would accumulate \$154,000 that could be used to reduce the amount of debt that would have to be issued.

CONCLUSIONS AND RECOMMENDATIONS

Overall, the Water Fund is managed well and has for the past several years accumulated sufficient revenues to exceed annual cash requirements. At the same time, these revenues have fully funded depreciation which is used to finance capital improvement on a pay-as-you-go basis.

To maintain the financial health of the fund over the next six years, however, will require a long-term financial plan to accommodate an ambitious program of capital improvements and new WTP project. To the extent that cash reserves can offset the amount of bonds that will need to be issued to finance this WTP project, the rate payers will be relieved of continuing interest expenses. Therefore, it is recommended that the City adopt a rate program designed to accumulate cash reserves to offset the bonds required to finance the new WTP. This will require the support of the City Council and staff, as it will require a regular program of large rate increases over each of the next several years, depending on the size of the cash reserve to be accumulated.

Further, it is recommended that the City implement a program of connection fees (or system buy-in fees) to ensure that new customers are paying their fair share of plant and system capacity. This fee would be in addition to any charges levied to offset the costs of meter installation. A fee of \$750 to \$800 per ERC is not unreasonable and consistent with many communities in the Intermountain West who have implemented such fees. Although the total revenues expected to be collected from such a revenue source is not very substantial, it sends a positive signal to existing rate payers that the cost of providing water service is not inexpensive and that new customers are paying their fair share of plant capacity that has been constructed and held for them.

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SECTION 1

EXECUTIVE SUMMARY

INTRODUCTION

This section is a summary of the findings and recommendations of the Lewiston Water System Master Plan. These are presented below and are referenced by section.

SECTION 2 - INTRODUCTION

The purpose of the Lewiston Water System Master Plan is to identify solutions to current water service problems and to guide the implementation of water system improvements over a 20 year planning period. The Water System Master Plan is comprehensive in that it includes water supply, water treatment, water distribution, and water storage issues. The Water System Master Plan includes both a prioritized capital improvements list and a financial plan for the implementation of the recommended capital improvements plan.

SECTION 3 - WATER SERVICE AREA AND DEMANDS

For communities such as Lewiston, the majority of the municipal water supply is devoted to serving residential consumers rather than commercial or industrial use. Therefore, projections of future water usage and facility needs are based primarily on population projections. Water demands for the Lewiston water system were based upon population projections and land use projections supplied by the City.

The population growth rate in Lewiston has been relatively low and stable over the last 20 years. The population, determined by census, was 26,068 in 1970, 27,986 in 1980, and 28,015 in 1990. This was a historical growth rate of 7.5 percent over the 20 year period. A range of population projections are available for planning purposes. The following projections were selected for the Lewiston Water System:

- Water supply facility need projections were based on a projected population growth rate of 1.1 percent per year. This resulted in a growth rate of 24 percent over the 20 year planning period.
- The water demands projected for the existing water distribution system were based on land use projections furnished by the City. These land use projections yielded a projected increase in water demands within the existing water distribution system of 17 percent over the next 20 years.

The use of separate projections in this manner can be compared to calibrating the hydraulic network analysis computer model to provide water within the existing service boundaries of the City while sizing water supply facilities to provide an additional supply of water for development beyond the current boundaries of the City's system.

The method used to determine water demands for the hydraulic network analysis computer model is described in this section. Because the water demands on a municipal water supply vary seasonally, historical information from the City's records, together with

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OCT 25 1993

JMM experience and published results from similar systems, were used to determine current and projected water demands in three separate categories, as follows:

- Average Daily Demand, defined as the average of the total amount of water used each day during a one year period.
- Maximum Daily Demand, defined as the maximum total amount of water used during any 24 hour period during the year.
- Maximum Hourly Demand, defined as the maximum amount of water used in any single hour, of any day during the year.

Land use projections, furnished by the City, result in an increased water demand of 17 percent, to be furnished from the existing water distribution system over the next 20 years. However, land use projections do not include the water needs of some potential major users, which have been identified as potential demands on the City's system. These potential major users include:

- Lewiston Orchards Irrigation District (LOID)
- Proposed South Port Industrial Development District
- Proposed Harry Wall Industrial Park

If the potential demands from these major users are included with the City's land use projections, then the increase in the average daily demand is 74 percent over the next 20 years. This compares to an increase of 17 percent, without these three potential major users. Water demands for the next 20 years are shown in Table 1-1, both with and without the three potential major users. Other major users with current demands on the Lewiston Water System are discussed in Section 5.

TABLE 1-1

PROJECTED WATER DEMAND

Year	Demand Based on Land Use Projections		Demand Based on Land Use Projections Plus Potential Major Users ^a	
	Average Daily (mgd)	Maximum Daily (mgd)	Average Daily (mgd)	Maximum Daily (mgd)
1990	3.84	10.56	3.84	10.56
1995	4.01	11.01	5.64	13.43
2000	4.17	11.47	5.98	14.29
2005	4.33	11.92	6.31	15.15
2010	4.50	12.37	6.67	16.00

^aLOID, proposed South Port Industrial Development District, and proposed Harry Wall Industrial Park.

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SECTION 4 - EXISTING WATER SYSTEM

A facilities evaluation of the existing Lewiston distribution system was completed for the following reasons:

- To determine the capability, capacities, and physical characteristics of the existing facilities to allow an accurate configuration of the hydraulic network analysis computer model.
- To determine any necessary modification, rehabilitation, or replacement costs for major existing facilities which must be incorporated in the capital improvements plan for the next 20 years.

The water supply for the Lewiston Water System is provided by both the Clearwater River and groundwater wells. Water from the Clearwater River is treated at the Lewiston Water Treatment Plant (WTP), constructed in 1924 and modified and expanded in 1979. The water quality of the Clearwater River is generally excellent except for occasional period of high turbidity during the late winter and spring runoff. Water from the Clearwater River has been diverted through either the Temporary (primary) Intake or the Permanent (secondary) Intake. The Permanent Intake utilizes infiltration collectors which have become plugged with sand. The capacity of the Permanent Intake has been reduced to the point where the Temporary Intake is now used as the primary water supply for the Lewiston WTP. The Permanent Intake has essentially been abandoned. The Temporary Intake also suffers from problems of capacity restriction and lack of ability to remove sand and silt.

Groundwater has not proven to be as successful a source of water as the Clearwater River, for the City. Although Lewiston has five wells, only two of them are in use, and then only to meet summer demand. The use of the other three wells has been discontinued due to problems with excessive sand production, tastes and odors, or lack of need for water supply in a localized area. Of the two operational wells, one is out of service pending replacement of the pump and motor and the other has been recently returned to operation after the replacement of corroded parts.

All water used within the Lewiston Water System must be pumped at least once. The City operates six booster pumping stations, not including the raw water intakes or wells. The stations have a total design capacity of 38.8 million gallons per day (mgd) with a total connected horsepower of 2,852.5 hp. In general, the City's booster pumping stations are in good condition. The equipment used in the pumping stations is of high quality and appears to be well maintained. The exception to this general statement is the South High Booster Pumping Station which should be replaced or reconstructed. Minor repairs or modifications are recommended to several of the other stations as well as some additional routine maintenance practices.

The City of Lewiston currently operates nine finished water reservoirs. Two of them are located at the Lewiston WTP, the others are located throughout the City as part of the distribution system. Total storage volume for the City is 15.95 mil gal.

Several issues were identified related to the distribution storage reservoirs:

- There is no reservoir storage for the South Central Zone served by the South High Booster Pumping Station. The lack of reservoir storage limits the

development in this area and poses the risk of inadequate fire protection and water supply in the event of power outages or mechanical failures at the South High Booster Pumping Station. The construction of a storage reservoir to serve this zone is recommended in the capital improvements program.

- The Low and High Reservoirs are both overdue for replacement of the asphalt built-up roof and repainting of the interior steel support columns. It will be necessary to develop a method of taking the reservoirs off-line long enough to perform this maintenance. The addition of another source of water to the High Reservoir through construction of a new water treatment plant will help resolve this difficulty.
- The South High and North Lewiston reservoirs are of steel construction with interior paint coatings which have been in service since the early 1970s. At some point, the reservoirs will have to be taken out of service for at least a month to allow maintenance or replacement of the interior paint coatings. A method of accomplishing this is recommended.

The Lewiston Water System includes over 500,000 feet (nearly 100 miles) of pipeline ranging in size from 4 to 30-inches in diameter. Much of the pipe material in the Lewiston Water System is relatively old, some of it dates to the early 1900s. Because much of the pipeline material is unlined steel, it is necessary to provide corrosion control treatment at the Lewiston WTP to protect the pipelines against internal corrosion. Apparently, the soil materials throughout the City are noncorrosive and external corrosion is not a problem. Some pipe failures have been reported due to localized soil support problems. The following recommendations were made regarding pipelines:

- Replacement of the old (installed 1910 to 1920) pipelines in the area of 8th Avenue and Delso Lane is recommended.
- The capacity of the Lewiston WTP is currently limited by the condition of the 16 and 20-inch discharge pipelines. The discharge pressure from the High and Low system pumps is restricted to protect the pipelines against damage. These pipelines should be replaced.
- The City should implement a program of pipeline replacement based upon a rational methodology of selecting candidate pipelines. A number of such methodologies have been developed and documented by AWWA; one specific example is cited in this section. The collection of data to allow implementation of such a program should be instituted by the City.

SECTION 5 - HYDRAULIC NETWORK ANALYSIS

The cornerstone of the Lewiston Water System Master Plan is the preparation of a hydraulic network analysis computer model. The computer model can determine the flow patterns through a complex water distribution network. By manipulating the computer model, the existing water system can be evaluated under many different conditions to determine where inadequacies may lie. Alternatives to overcome the system inadequacies can be rapidly evaluated by modifying the computer model to determine the best alternative solutions. In addition, growth or future development of the City's system

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can be projected using the computer model to determine the required capital improvements in the future. The following models have been developed for the City:

- An existing system model representing the current water system facilities operated under current flow conditions (including fire flow demands).
- A future system model representing the current water system facilities operated under future flow conditions (including fire flow demands).
- A recommended future system model representing the water system facilities with recommended improvements in place operated under future flow conditions (including fire flow demands).

The high flows required to meet fire fighting demands often represent the most severe conditions under which a water system will operate. To evaluate the City's water system, the computer model was operated under a maximum day flow conditions while applying fire flows demands at different locations. The simulated fires represent locations in the City where essential fire demand services are needed, as recommended by the City Fire Department. The fire flow rates used were selected by determining the number of pumper trucks the Fire Department would assign to each of the simulated fires. A total of eight simulated fires were evaluated. Projects to correct any deficiencies noted in the ability of the water system to supply the required flows are included in the capital improvements program.

An evaluation of the Lewiston Water System using the hydraulic analysis computer model showed that in general, the distribution system is well interconnected and stable. Because of the relatively low rate of growth, the problems which will occur within the Lewiston water distribution system during the 20 year planning period are those problems which are currently observed, either in normal operation or through fire flow simulations. These problems include the following:

- Lack of storage in the South Central Pressure Zone (the discharge from the South High Booster Pumping Station) and the need to reconstruct the pumping station.
- Fire flows in the North Port area.
- Fire flows in the Lewis and Clark State College and St. Joseph's Hospital area.
- Fire flows in the Red Rock development area.

Projects to resolve these system deficiencies are included in the recommended capital improvements plan. This section also includes a review of alternatives to resolve storage issues in the South Central Zone and for the proposed South Port Industrial Park. A review of alternatives for increasing transmission system redundancy is also included, at the City's request.

SECTION 6 - WATER TREATMENT FACILITIES

Water treatment plants are relatively expensive and constitute a major capital investment for utilities. Water treatment capacity at the Lewiston WTP has been more than adequate to date and it was generally thought that the facility would have a useful life beyond the year 2000. Recent developments with regards to serving new customers and, more

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importantly, significant changes in federal drinking water standards have brought concerns that major rehabilitation or replacement projects at the Lewiston WTP will become necessary in the near future.

The current era of drinking water quality regulation in the USA began with the passage of the Safe Drinking Water Act (SDWA) by Congress in 1974, and its amendment in 1986. The following provisions of the amended SDWA are described briefly, along with a discussion of how they may affect Lewiston.

- **Coliform Rule.** This rule became effective December 31, 1990 and the City is currently complying with its requirements.
- **Surface Water Treatment Rule.** This rule gives strict performance requirements on how WTPs and disinfection systems must be operated. The rule will create a more stringent finished water turbidity standard, which will adversely affect the ability of the Lewiston WTP to operate at higher flow rates. It also sets disinfection standards, which together with the Disinfectant/Disinfection By-product Rule may affect plant capacity.
- **Disinfectant/Disinfection By-product Rule.** This rule will be promulgated in 1993 in order to regulate the use of disinfectants and to control their by-products. Although the final form of the rule is not known, it has the potential to halt the present practice of prechlorinating raw water at the Lewiston WTP. This would have the effect of rendering the Lewiston WTP unable to meet the disinfection requirements of the SWTR.
- **Volatile Organic and Synthetic Organic Chemicals.** It is not anticipated at this time that continued use of the Clearwater River will pose a problem under the VOC and SOC regulations, except for the expense of required monitoring. A larger threat exists to groundwater sources, and continued diligence and monitoring will be required to insure that industrial contamination does not endanger the City's wells or water distribution piping.
- **Lead and Copper (Corrosion) Rule.** The population served by the City of Lewiston is not great enough to require corrosion control treatment unless samples at the consumers taps exceed federally mandated action levels for lead and copper. The City has already implemented a corrosion control program, although its effectiveness under the Lead and Copper Rule will have to be determined by the required sampling at the consumers' taps.

Although the 1979 Lewiston WTP expansion project resulted in a hydraulic capacity rating of 15 mgd, the water treatment plant has never been operated at this flow rate. Field measurements were taken of water surface elevations at critical points while the plant was operated, to calibrate hydraulic calculations. These calculations confirm that the Lewiston WTP has a hydraulic capacity of 15 mgd, with one exception. The filters at the Lewiston WTP are headloss limited. Typical design criteria for a comparable filter would call for a minimum of 8 feet headloss available for solids accumulation. At the Lewiston WTP, headloss available for solids accumulation is only 5 feet, if an allowance is made for the prevention of airbinding.

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The filtration process is the heart of the water treatment plant. All other processes support filtration either by chemical conditioning and pretreatment or by handling the solids removed from the process stream. Issues at the Lewiston WTP which will constrain the operation of the filters at higher flow rates include:

- Lack of mechanical sludge removal from sedimentation basins.
- Limited filter headloss available for solids accumulation.

Although it is not possible to predict the actual process capacity of the Lewiston WTP for a given raw water quality, it has been noted by the operators that process performance suffers significantly at flow rates beyond 12 mgd. This situation will be aggravated by the more stringent filtered water turbidity standards set by the new SWTR. However, even under the best circumstances, a nominal capacity of 15 mgd may result in a net usable yield of 14.25 mgd, after the requirements of backwash are subtracted.

The combined capacity of the City's wells and water treatment plant facilities must meet or exceed the maximum day demand in order to prevent water supply shortages. The 1990 maximum day demand was 10.7 mgd. An additional 2 mgd would be required to supply water to LOID on either a standby or full time basis. Table 6-3 presents required water treatment plant capacity for the next 20 years, under two different scenarios.

Because of the uncertainty as to whether the existing Lewiston WTP has the process capacity to deliver its nominal rated capacity of 15 mgd while meeting more stringent water quality standards, alternatives for providing additional water treatment capacity have been evaluated. The alternatives evaluated all required the construction of a new WTP located at a new site, because no additional room for expansion of capacity is available at the existing site.

Four process alternatives were selected for evaluation for a new water treatment plant. The alternatives are:

- Conventional treatment
- Two stage filtration
- Direct filtration with ozone
- Direct filtration with Ranney collectors

Although the conventional treatment process does not result in lowest costs, it is recommended as the preferred alternative because it allows year round treatment of the Clearwater River. Three scenarios were evaluated to compare water treatment alternatives for the 20 year planning period, as follows:

- The base scenario assumes that the existing Lewiston WTP can operate at a nominal capacity of 15 mgd (net usable yield of 14.25 mgd).
- The second scenario assumes that the existing Lewiston WTP will be abandoned completely and that a new 15 mgd WTP will be constructed on a site that will allow for future expansion.

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- The third scenario would continue to maintain and utilize the existing Lewiston WTP for summer operation to meet peak water demands (May through August). A new 5 mgd WTP would be constructed to treat the base flow needs of the City year round.

Within these three scenarios, seven water treatment plant alternatives were evaluated as part of the study, including the continued use of the existing plant. All of these alternatives required the use of the existing raw water intake, although in one of the alternatives a supplemental raw water intake was evaluated. Comments on the seven alternatives are as follows:

- The base scenario assumed that the existing Lewiston WTP can be used at a nominal flow rate of 15 mgd. Because no new WTP facilities are required under this alternative there is no cost shown for it. The issue is whether the existing plant capacity will be sufficient for the entire 20 year planning period.
- Three alternative locations were considered for a new 15 mgd WTP. Project cost estimates for these three alternatives ranged from \$11.87 million for a site adjacent to the High Reservoir to a cost estimate of \$14.82 million for a site located at Lindsay Creek Road. A site located in Hatwai resulted in a estimated project cost of \$12.35 million.
- Three alternative locations were evaluated for a 5 mgd base plant which would operate year round. The existing Lewiston WTP would be utilized as a peaking facility during the summer months. Project cost estimates ranged from \$6.40 million for a 5 mgd WTP located at the High Reservoir to \$8.06 million for a plant located near Lapwai Road. A 5 mgd WTP located at Lindsay Creek Road resulted in a project cost estimate of \$7.68 million.

The 5 mgd base flow WTP located at Lindsay Creek Road was selected as the proposed alternative for inclusion in the capital improvements plan. The proposed schedule would begin design in the fiscal year ending (FY) 1997 with construction completed in FY 1999.

SECTION 7 - CAPITAL IMPROVEMENTS PROGRAM

This section summarizes the recommended capital improvements program for the planning period 1990 - 2010. The recommended capital improvements include those for water supply, treatment, storage, and distribution facilities for the City of Lewiston's service area. Costs are presented, along with a recommended schedule of improvements. A detailed schedule of projects between 1991 and 2002 shows a total capital improvements cost of \$10.48 million. Of this amount, \$7.68 million is included for the new WTP project scheduled for 1997 through 1999.

SECTION 8 - FINANCIAL PLAN AND REVENUE PROGRAM

This section presents a review of the alternatives available to the City of Lewiston in financing the proposed capital improvements project. Five basic alternatives were evaluated:

- **Alternative 1 - No change.** This alternative assumes no change in existing rates over the next five years. This results in an immediate and significant drop in cash reserves. Further, it will result in depleting

reserves by FY 1995. This alternative will result in the water system operating at a loss, and therefore, is not recommended for consideration.

- **Alternative 2 - Maintain a zero surplus (deficit) funds balance.** This alternative would require annual rate increases as necessary to cover fund requirements in any given year. Because the capital requirements for projects fluctuate the required rate increase would also fluctuate, ranging from a 0 percent rate increase required in FY 1997 to a 35.5 percent rate increase required in FY 1998.
- **Alternative 3 - Level biennial rate increases.** This alternative assumes equal biennial rate increases sufficient to maintain a reasonable combined funds balance. An 18 percent rate increase every other year beginning in FY 1992 would meet the goal.
- **Alternative 4 - Level annual rate increases.** This alternative assumes equal annual rate increases to maintain a reasonable combined funds balance. A nine percent rate increase every year beginning in FY 1992 would meet this goal.
- **Alternative 5 - Buildup a \$2.0 million cash reserve by FY 1996.** This alternative assumes rate adjustments sufficient to accumulate \$2.0 million to reduce the amount of bonds required to finance the capital improvements program and reduce the ongoing debt service requirements. Rate increases of 20 percent would be required in FY 1992 and FY 1993, with a 10 percent rate increase in FY 1994 and FY 1996. Seven percent annual rate increases would be required beginning in FY 1997 in order to maintain a relatively stable combined funds balance.

Alternatives for implementing rate increases are presented, including conservation incentive rate structures, adjusted base charges, and connection fees. This section recommends that the City adopt a rate program designed to accumulate cash reserves to ultimately be used to offset the amount of bonds required to finance the capital improvements program. Further, it is recommended that the City implement a program of connection fees (or system buy-in fees) to insure that new customers are paying their fair share of plant and system capacity.

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WATER TREATMENT PLANT RECOMMENDATIONS

This section contains recommendations for addressing the following water treatment issues:

- Water treatment plant capacity requirements over the 20 year planning period.
- Process recommendations for new water treatment facilities.
- An evaluation of raw water intake types for any new water treatment facilities.
- An evaluation of location alternatives and sizing for new water treatment plant facilities.
- Recommendations for design criteria for new water treatment facilities.

The recommendations contained herein should be considered as part of the City's long-term planning process. Recommendations on water treatment plant facility scheduling, size, and location are subject to the constraints of growth in water demand, location of development, and the performance of the existing Lewiston WTP under new water quality regulations at higher flow rates. The recommendations herein should be updated and modified by the City as additional information becomes available.

Source Capacity

The combined capacity of the City's wells and water treatment plant facilities must meet or exceed the maximum day demand in order to prevent water supply shortages. Table 6-3 shows the required water treatment plant capacity for the next 20 years, using the City's projected 1.1 percent annual growth rate in demand, as discussed in Section 3. Two growth scenarios are presented in Table 6-3. The first scenario shows required treatment plant capacity based upon 1990 historical demand increased at 1.1 percent annually. The second scenario is also based on a 1.1 percent annual increase in demand, but it also includes demand projections for the potential major users discussed in Section 5: LOID, South Port Industrial Park and the Harry Wall Industrial Park.

Table 6-3 shows that using a 1.1 percent annual increase in demand results in a required WTP capacity by the year 2010 ranging from 12.4 to 16.1 mgd, depending on the extent to which the projected potential major users demand materializes. As discussed herein, the capacity of the existing Lewiston WTP may be somewhere between 12 to 14.25 mgd, depending upon its ability to meet more stringent water quality standards. It is assumed herein that the demand requirements in Scenario 2 should be planned for, in order to provide a conservative approach to scheduling for capital improvements. Therefore, is assumed in the capital improvements plan that design of additional water treatment plant capacity will begin in the fiscal year ending (FY) 1997, with construction completed in FY 1999. This schedule should be feasible if the following conditions are met:

- The NPDES permit allowing discharge of supernatant to the Clearwater River is maintained.
- The sedimentation basins are cleaned more than once a year, as necessary.

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TABLE 6-3

REQUIRED WATER TREATMENT PLANT CAPACITY

SCENARIO 1: DEMAND INCREASES AT 1.1 PERCENT ANNUALLY

	Average Day ^a Demand (mgd)	Maximum ^a Day Demand (mgd)	Required WTP ^b Capacity (mgd)
1990 ^a	3.8	10.6	9.9
1995	4.1	11.2	10.5
2000	4.3	11.8	11.1
2005	4.5	12.4	11.7
2010	4.8	13.1	12.4

SCENARIO 2: DEMAND INCREASES AT 1.1 PERCENT ANNUALLY PLUS
POTENTIAL MAJOR USERS

	Average Day ^a Demand (mgd)	Maximum ^a Day Demand (mgd)	Required WTP ^b Capacity (mgd)
1990 ^a	3.8	10.6	9.9
1995	5.7	13.6	12.9
2000	6.1	14.6	13.9
2005	6.5	15.7	15.0
2010	7.0	16.8	16.1

a 1990 Average Day and Maximum Day Demands are actual historical use.

b Maximum Day Demand does not include standby (emergency) demand for major users such as Twin City Foods.

c Assumes a 0.7 mgd supply from Well No. 5 to satisfy zone demand. Well No. 4 is assumed to be included in Lewiston WTP capacity because it is treated with raw water.

- The use of polymer is reinstituted, as necessary.
- The 1993 promulgation of the Disinfectant/DBP Rule does not adversely affect continued operation of the Lewiston WTP at the required flow rates.

Process Recommendations

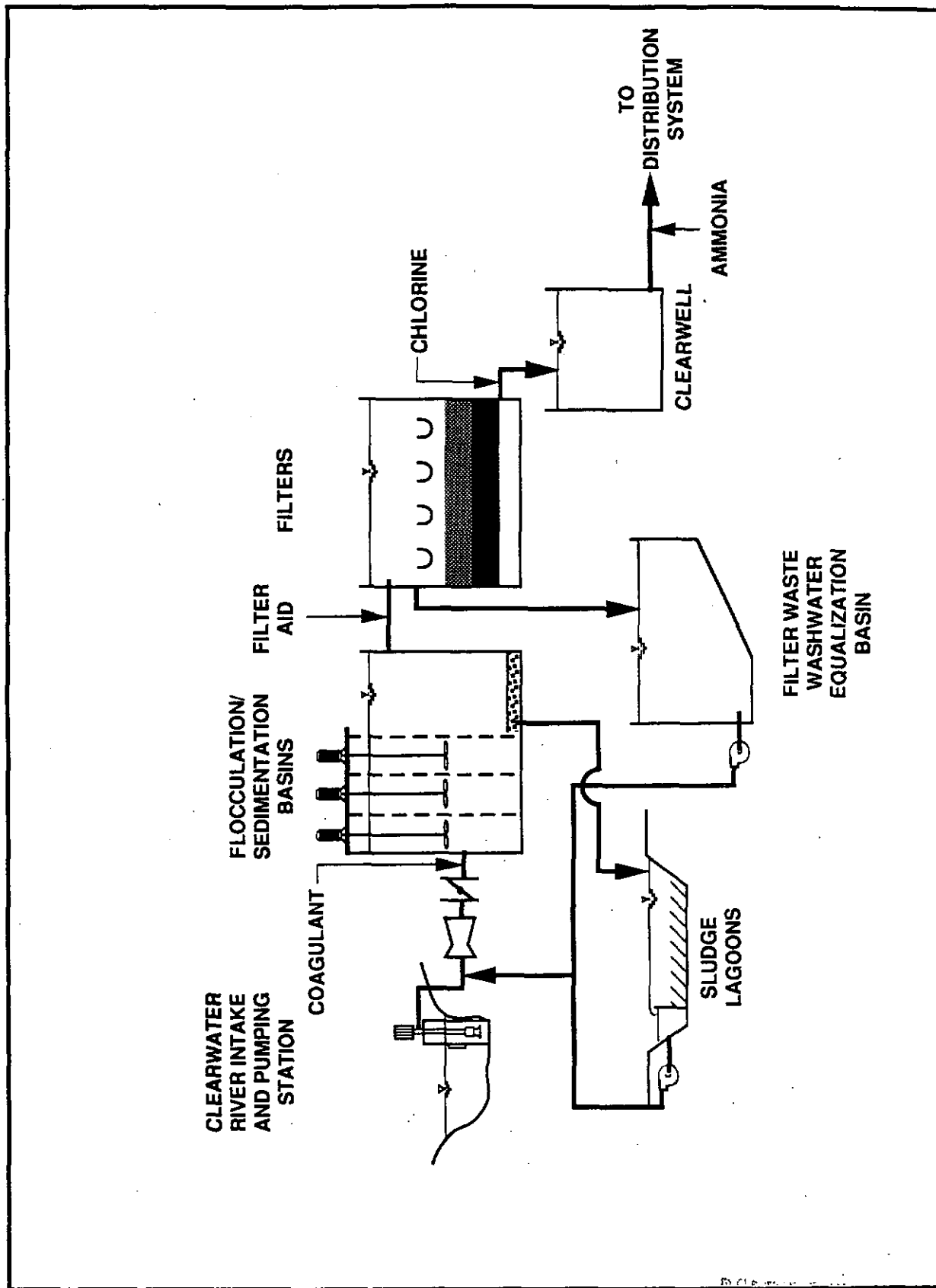
Because it is doubtful that the existing Lewiston WTP has the process capacity to deliver its nominal rated capacity of 15 mgd while meeting more stringent water quality standards, alternatives for providing additional water treatment capacity have been evaluated. The alternatives evaluated herein all require the construction of a new water treatment plant located at a new site. No additional room for expansion of capacity is available at the existing Lewiston WTP site and it is not possible to improve the existing processes to achieve higher capacities than the plant's nominal rated flow.

Over the years, JMM has developed design guidelines for water treatment process selection which are based on raw water quality. The raw water quality parameters which govern process selection include the following:

- Turbidity
- Color
- Coliform bacteria counts
- Algae
- Asbestos fiber
- Tastes and odors

The water quality parameters which govern in the case of the Clearwater River are turbidity and color. Apparently, algae is not a problem in the Clearwater River. Raw water turbidity from August until February is typically less than 5 NTU, and often less than 1 NTU. No algae related tastes and odors have been reported. Four process alternatives were selected for evaluation, based on raw water quality of the Clearwater River. The four alternatives are as follows:

- **Conventional Treatment.** Conventional treatment would include all of the processes currently utilized at the existing Lewiston WTP. This is the base alternative because it would be able to adequately treat water quality in the Clearwater River during all periods of the year. Lagoon dewatering facilities would be used to store and dry sludge to a 30 to 50 percent solids content prior to removal and disposal off-site. Filter waste washwater and supernatant from the lagoon dewatering facilities would be returned to the head of the plant for retreatment, thus eliminating any discharge to the Clearwater River. The conventional treatment process proposed is shown in Figure 6-1.
- **Two-Stage Filtration.** Two-stage filtration eliminates the flocculation and sedimentation basins as separate processes and combines these functions in a first stage roughing filter. The first stage filter imparts flocculation energy to the process stream because it is operated at a high loading rate (10 - 15 gpm/sq ft); it also serves to remove up to 80 percent of the raw water turbidity. Two-stage filtration plants can adequately treat raw water turbidities up to 50 NTU and color up to 50 ACU. Based upon historical water quality data, there would be approximately 20 days per year in which the Clearwater River exceeded these levels. Therefore, a two-stage filtration plant would have to be used as a supplemental supply to a conventional



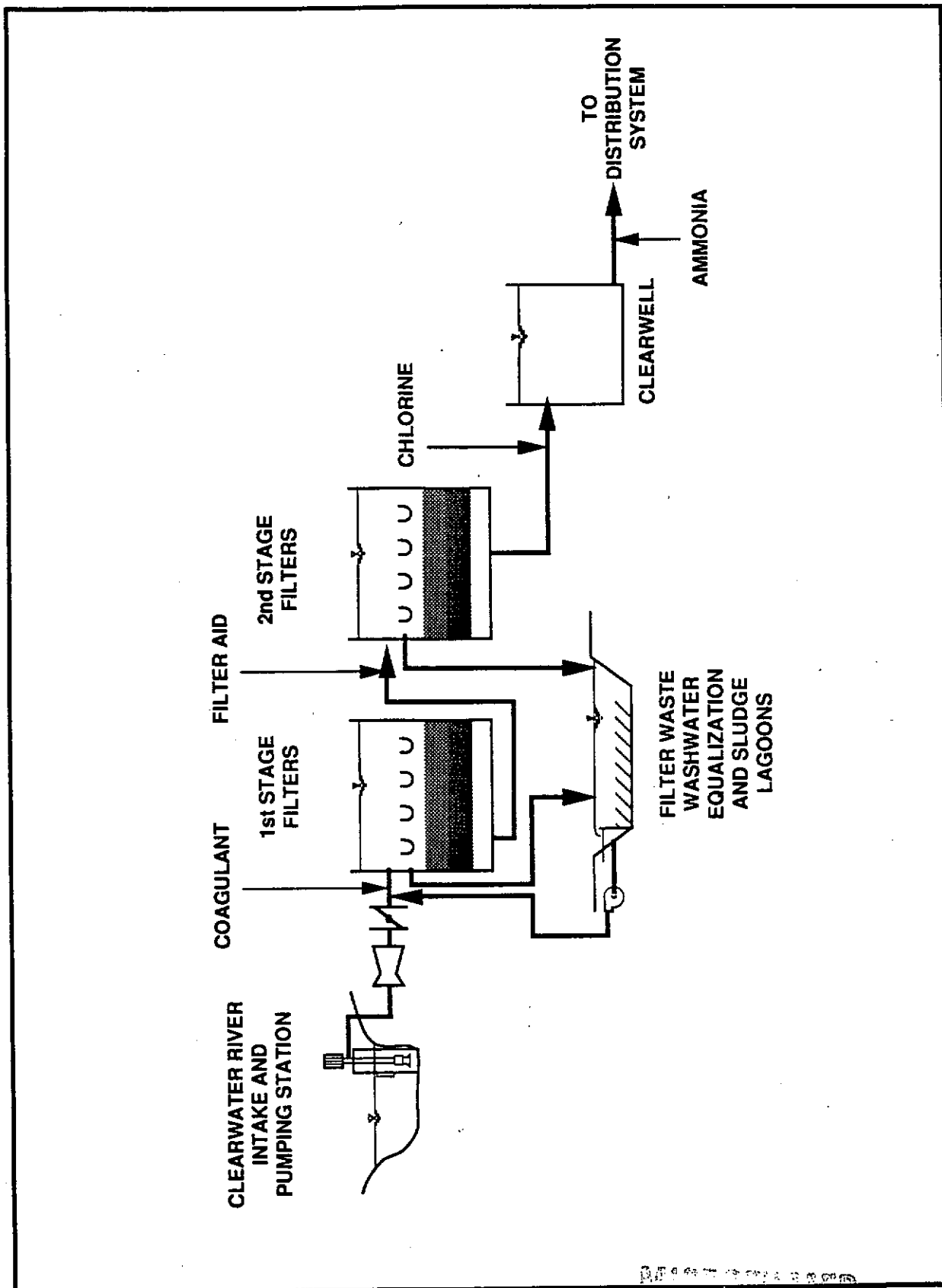
CITY OF LEWISTON
CONVENTIONAL TREATMENT
FIGURE 6-1

OCT 25 1993

process (such as the existing Lewiston WTP) capable of treating the Clearwater River year round. The two-stage filtration process proposed is shown in Figure 6-2.

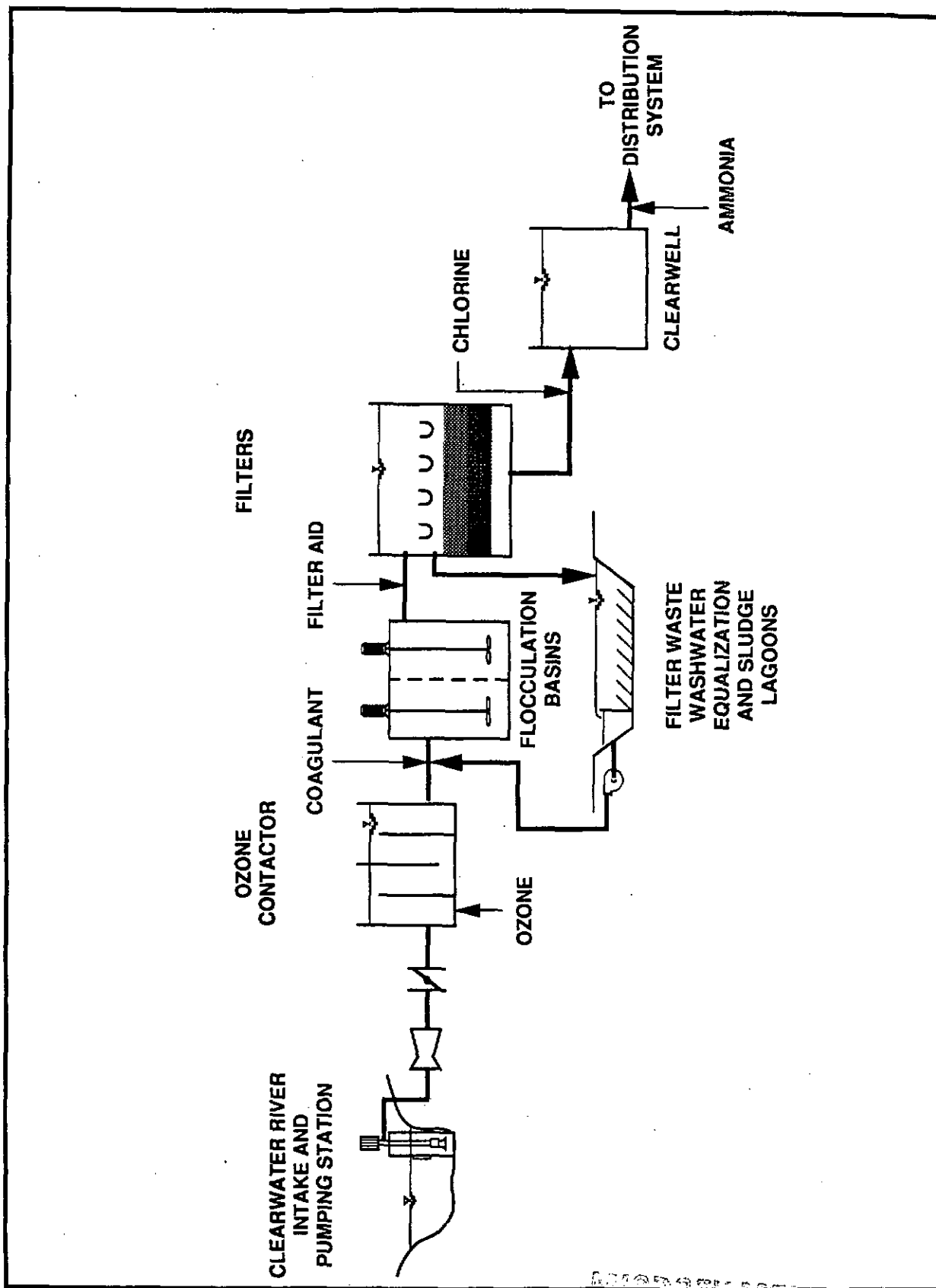
- **Direct Filtration with Ozone.** Direct filtration refers to a treatment process which does not utilize any turbidity removal prior to final filtration. The direct filtration alternative evaluated herein would utilize a mechanical flocculation stage prior to filtration. Because a direct filtration plant removes all solids on the final filter, it is very sensitive to raw water turbidity. It is also sensitive to raw water color, because it is limited in the coagulant doses which can be applied. Raw water turbidity and color limits for direct filtration are 15 NTU and 20 ACU, respectively. Because this level of apparent color is exceeded on the Clearwater River nearly year round, it would be necessary to add ozone as strong oxidant for color removal, prior to filtration. Even so, there would be approximately 35 days per year, on the average, during which a direct filtration plant would not be able to treat raw water from the Clearwater River because of high turbidities. The direct filtration process proposed is shown in Figure 6-3.
- **Direct Filtration with Ranney Collectors.** Direct filtration is best suited to treating a high quality water supply with fairly low turbidity. Where a high quality raw water source is available, direct filtration can be a very economical alternative. This alternative would utilize a proprietary horizontal well collector system (Ranney Collectors) to provide a low turbidity raw water supply year round, suitable for the direct filtration process. Although the water from a Ranney Collector field would still be classified as surface water, the natural filtration through the aquifer could provide sufficient turbidity removal to allow operation of a direct filtration plant year round. However, it is possible that ozone would still be required to reduce color levels. This process is shown in Figure 6-4.

Costs were developed for all four process alternatives to allow comparison. A 5 mgd plant size was selected for cost comparison, for reasons presented hereafter. Although the conventional treatment process does not result in the lowest costs, it is recommended as the preferred alternative because it allows year round treatment of the Clearwater River. Costs for two-stage filtration and direct filtration with ozone were 17 percent and 8 percent lower, respectively, than conventional treatment costs. The cost savings in the two-stage filtration and direct filtration alternatives do not justify the undesirable effects of having to maintain the existing conventional Lewiston WTP in operational condition from February to June, when high turbidity events in the Clearwater River can occur. The cost estimate for direct filtration with Ranney Collectors ranged from less than 2 percent lower to over 9 percent higher than conventional treatment. These cost differences do not justify the uncertainty and risk involved in the construction and operation of Ranney Collectors.



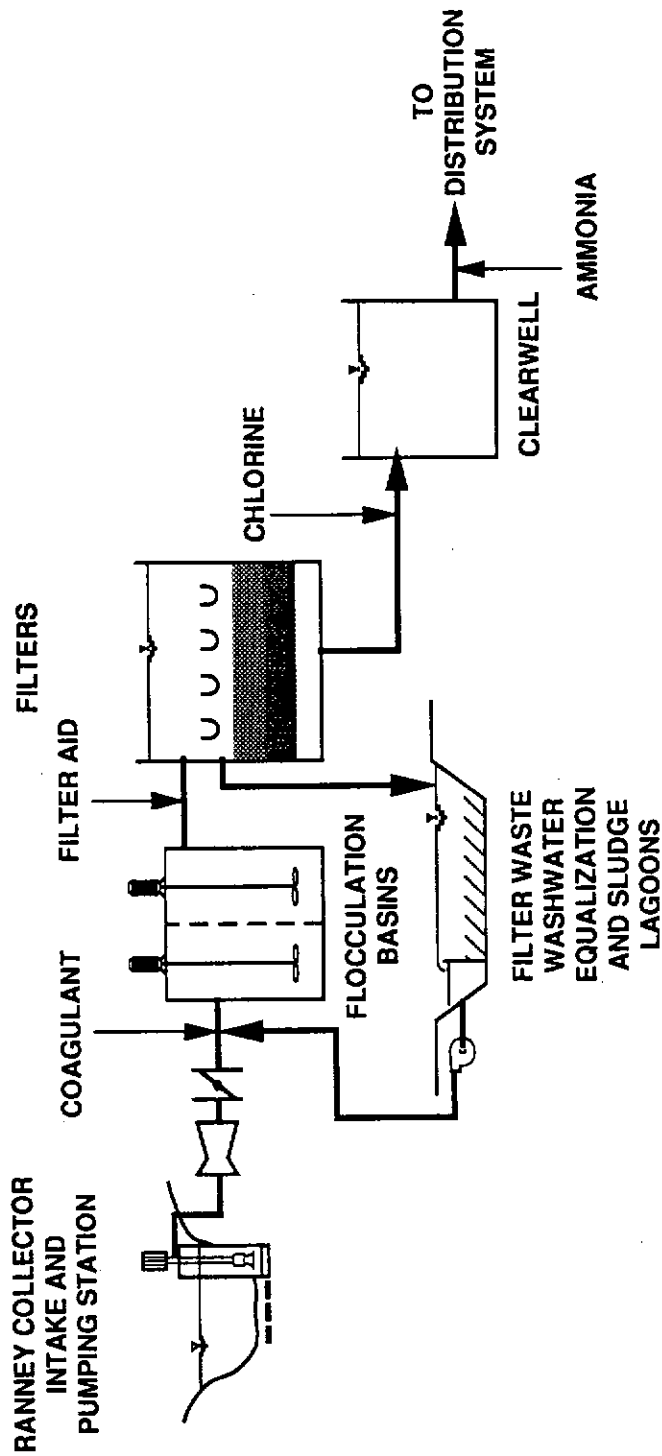
CITY OF LEWISTON
TWO-STAGE FILTRATION
FIGURE 6-2

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CITY OF LEWISTON
DIRECT FILTRATION WITH OZONE
FIGURE 6-3

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CITY OF LEWISTON
DIRECT FILTRATION WITH RANNEY COLLECTORS
FIGURE 6-4

TABLE 6-4
TREATMENT PLANT PROCESS ALTERNATIVES
COST ESTIMATES

Alternative	Cost Estimate ^{a, d} (\$)
Conventional Treatment	3,540,000
Two-Stage Filtration	2,940,000
Direct Filtration with Ozone	3,260,000
Direct Filtration with Ranney Collectors ^b	3,480,000 to 3,860,000 ^c

^aConstruction costs at ENR = 4200 for a 5 mgd WTP.

^bIncludes ozone on the assumption that sufficient color removal will not occur through the Ranney Collectors. If ozone is not required the costs can be reduced by \$540,000.

^cCosts include preliminary hydrogeological study. Costs for the Ranney collectors are incremental costs over a grit chamber with static screens. A range is shown due to the uncertainty of the yield per collector.

^dConstruction cost estimates are ± 30 percent accuracy, defined as master planning level costs by the American Association of Cost Engineers.

Alternative Analysis

If the City of Lewiston continues to grow, a new water treatment plant will eventually need to be built, since the existing Lewiston WTP cannot be expanded because of the constraints of the site. The question of when new water treatment facilities must be built depends upon the actual rate of growth and the ability of the existing Lewiston WTP to meet more stringent water quality standards at higher flow rates. Three scenarios were evaluated herein to allow comparison of water treatment alternatives during the 20 year planning period, as follows:

- The base scenario assumes that the existing Lewiston WTP can operate at a nominal capacity of 15 mgd and that this capacity will be sufficient through the end of the current planning period (2010).
- The second scenario assumes that the existing Lewiston WTP will be abandoned completely and that a new 15 mgd WTP will be constructed on a site that will allow for future expansion.
- The third scenario would continue to maintain and utilize the existing Lewiston WTP for summer operation to meet peak water demands (May through August). A new 5 mgd capacity WTP would be constructed to treat the base flow needs of the City year round. The 5 mgd capacity proposed is an estimate that should be refined, based on discussions with LOID regarding year round flow requirements.

For these three scenarios, seven separate water treatment plant alternatives were evaluated as part of this study, including the continued use of the existing plant. All of these alternatives require the use of the existing raw water intake, although one of the alternatives also includes a supplemental raw water intake. The following discussion presents the evaluation of the intake alternatives and the water treatment plant alternatives evaluated as part of this study.

Treatment Plant Alternatives. As described previously, the conventional treatment process is recommended for a new WTP facility. This recommendation is used in comparing alternative WTP locations under the three scenarios. Estimated construction and project costs for the alternatives are presented in Table 6-5. The seven alternatives are described below:

Alternative 1: Use Existing 15 mgd WTP

This is the base alternative and assumes that the existing Lewiston WTP will have sufficient capacity to meet the needs of the City for the next 20 years, while also meeting more stringent water quality regulations.

Alternative 2: Abandon Existing WTP And Locate New 15 mgd WTP At Hatwai

This alternative, as shown in Figure 6-5, would locate a new WTP in the Hatwai area in order to take advantage of the existing 30-inch diameter raw water piping for both a raw water and a finished water transmission system. Approximately eight acres of land would need to be located at a reasonable price. This alternative would use the existing raw water intake and 30-inch diameter raw water transmission line up to the new WTP site in Hatwai and would convert the existing 30-inch diameter raw water line from the new WTP site to the existing WTP site into a finished water transmission pipeline. No cost for raw water or finished water pipelines are shown; however, costs are included for a new finished water clearwell and a low lift finished water pumping station which would be required to pump water from the Hatwai site to the existing WTP clearwell. From this location water would be distributed by the existing High and Low pumps at the existing WTP, after which water would be distributed in the same manner as is currently practiced.

Because this alternative utilizes the existing raw water intake and pipeline, ultimate treatment plant capacity is limited by the capacity of the 30-inch diameter line. Although preliminary calculations show that a increase in raw water and finished water pumping capacity to 20 mgd would be within the pressure class of the pipeline material used, the ultimate capacity of the 30-inch diameter line would have to be determined based on a review of design criteria for thrust blocks and thrust restraints, along with the economics of higher headloss (with higher pumping costs). The total project cost for this alternative is estimated to be \$12.35 million.

Alternative 3: Abandon Existing WTP And Locate New 15 mgd WTP At High Reservoir

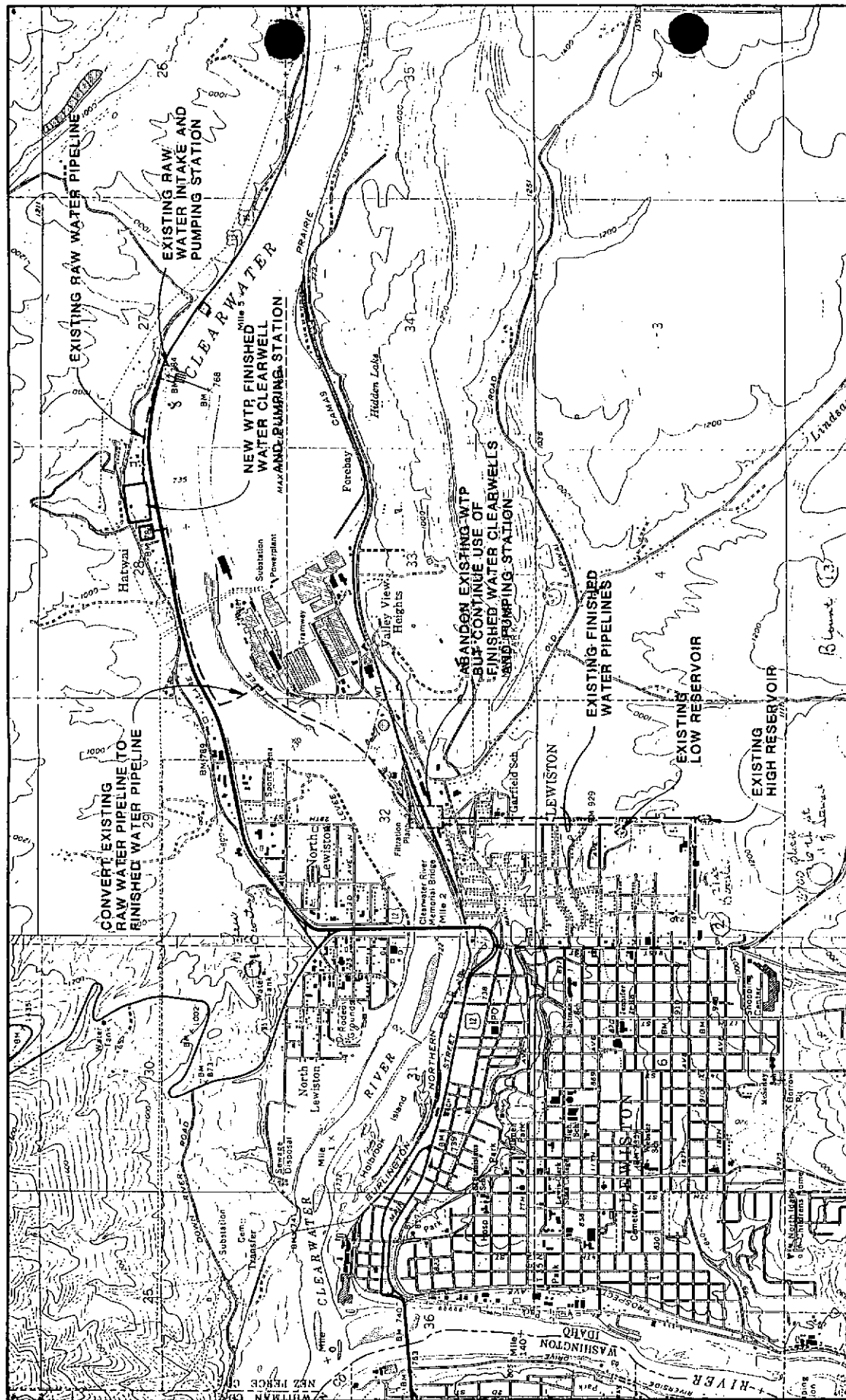
This alternative, as shown in Figure 6-6, would locate a new 15 mgd WTP immediately south of the High Reservoir. The existing raw water intake and transmission pipeline would be used and a new 30-inch diameter raw water pipeline would be constructed from the existing WTP finished water pumping station to the new High Reservoir WTP site. The existing Lewiston WTP

TABLE 6-5

WTP ALTERNATIVES
COST COMPARISON^{a, b}

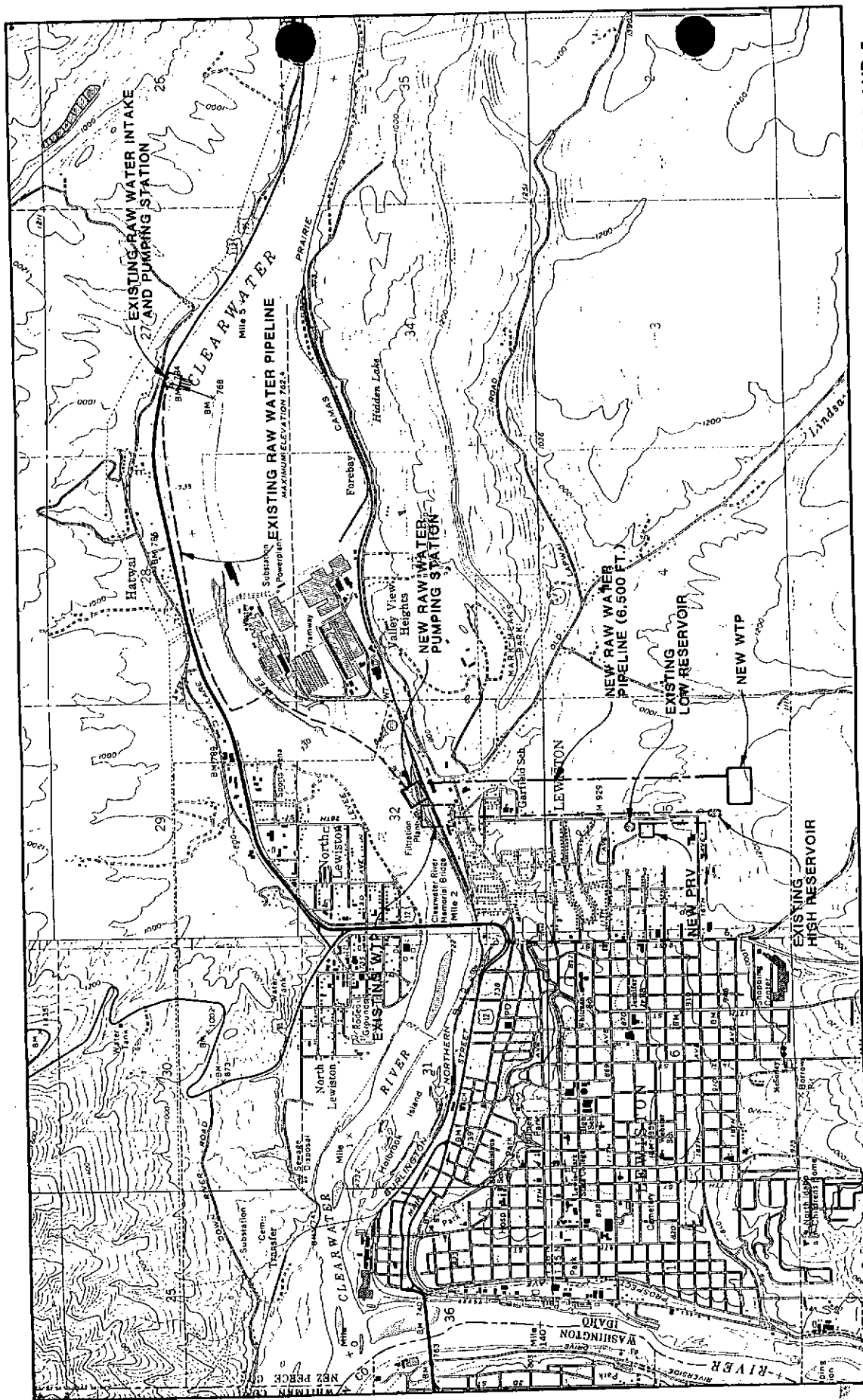
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6	Alt. 7
	Use Existing 15 MGD WTP	Abandon Existing WTP, Locate New 15 MGD WTP At:	High Reservoir	Lindsay Creek	Use Existing WTP At 10 MGD For Peaking, Locate New 5 MGD Base Flow WTP At:	High Reservoir	Lindsay Creek
Raw Water Intake	0	0	0	0	0	0	\$190,000
Raw Water Pumping Station	0	0	\$130,000	\$200,000	\$650,000	\$420,000	780,000
Raw Water Pipeline	0	0	800,000	840,000	440,000	460,000	150,000
Conventional WTP	0	\$7,730,000	7,730,000	7,730,000	3,540,000	3,540,000	3,540,000
Finished Water Clearwell	0	1,400,000	310,000	1,400,000	130,000	710,000	710,000
Finished Water Pumping Station	0	280,000	0	580,000	0	420,000	0
Finished Water Pipeline	0	0	40,000	610,000	40,000	310,000	790,000
Total Construction Costs	0	\$9,410,000	\$9,010,000	\$11,380,000	\$4,800,000	\$5,860,000	\$6,160,000
Engineering and Contingencies (@ 30%)		2,820,000	2,700,000	3,400,000	1,440,000	1,760,000	1,850,000
Land Costs ^c	0	120,000	160,000	60,000	160,000	60,000	50,000
Estimated Project Costs		\$12,350,000	\$11,870,000	\$14,820,000	\$6,400,000	\$7,680,000	\$8,060,000

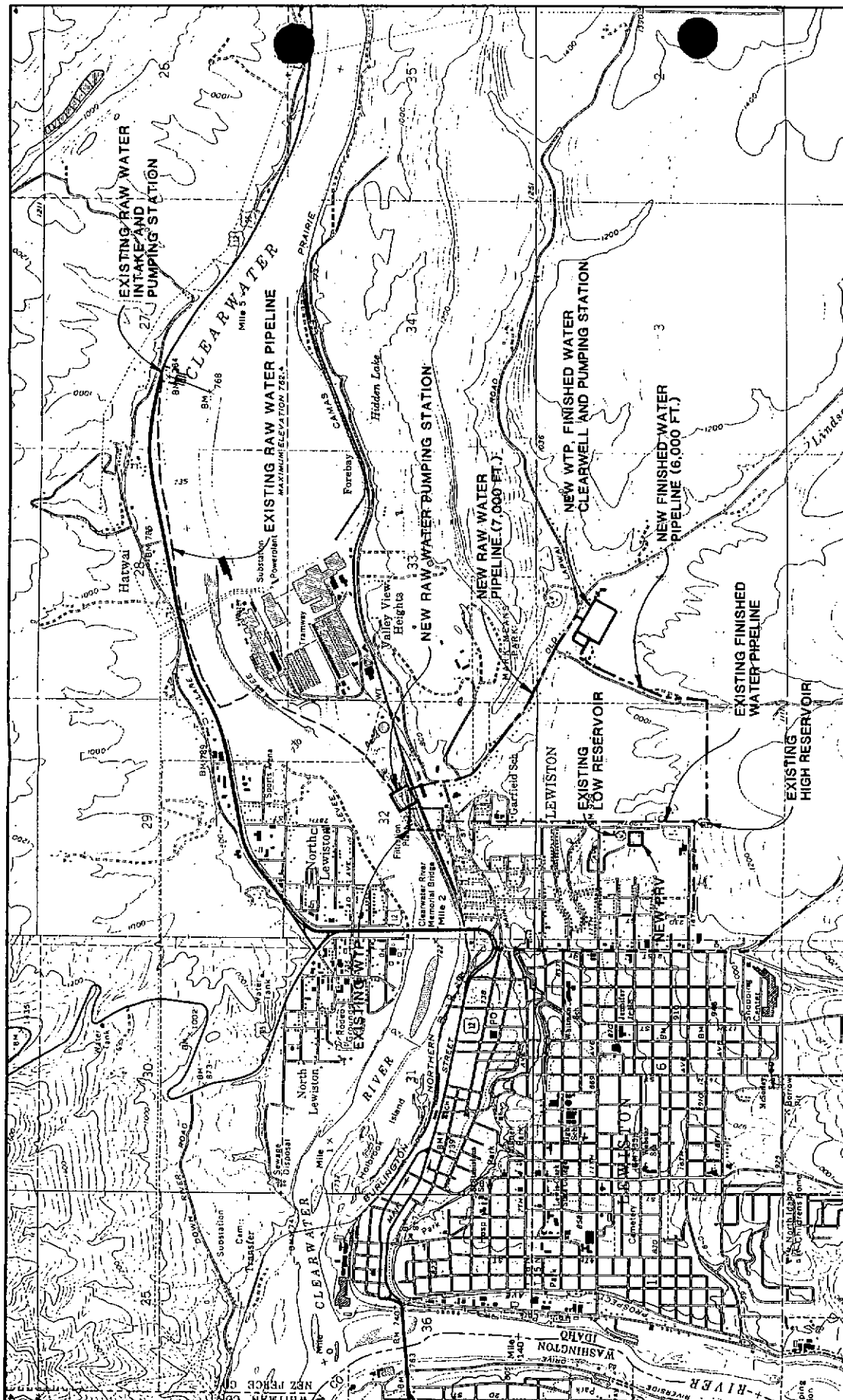
^aConstruction costs at ENR = 4200.^bConstruction cost estimates are ±30 percent accuracy, defined as master planning level costs by the American Association of Cost Engineers.^cLand costs are for an 8 acre site, using unit costs provided by the City.



WTP ALTERNATIVE 2:
NEW WTP AT HATWAI SITE
FIGURE 6-5

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WTP ALTERNATIVES 4 AND 6:
NEW WTP AT LINDSAY CREEK SITE
FIGURE 6-7

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clearwell and pumping station would be converted to an intermediate raw water storage and pumping facility. A new 30-inch diameter raw water pipeline would be constructed to the High Reservoir Site. The new WTP could be located to deliver finished water to the existing High Reservoir without additional pumping.

From the High Reservoir, the finished water would be distributed to the system using the same pipeline network currently utilized, with the exception that a new PRV station would be required to deliver water from the High Reservoir to the Low Reservoir for distribution. The new WTP would use the existing High Reservoir for operational storage. A 0.5 mil gal clearwell would need to be constructed for chlorine contact time. The total project cost for this alternative is estimated to be \$11.87 million.

Alternative 4: Abandon Existing WTP And Locate New 15 mgd WTP At Lindsay Creek Road

This alternative, as shown in Figure 6-7, would require the construction of a new 15 mgd WTP on approximately eight acres of land located along Lindsay Creek Road. The existing raw water intake and raw water transmission pipeline would be used to deliver water to the existing WTP clearwell. The existing finished water pumping station would be modified to make the low head lift to the new WTP site through a new 30-inch diameter raw water transmission pipeline constructed along Lindsay Creek Road. The new clearwell would be sized to provide 3.5 mil gal of operational storage and 0.5 mil gal of chlorine contact detention. A new finished water pumping station would be required along with a new 30-inch diameter finished water transmission pipeline to deliver water from the new site to the High Reservoir. From this location water would distributed through the same pipeline network now used, with the exception that a new PRV station would be required to deliver water from the High Reservoir to the Low Reservoir. This project would require the modification of the existing WTP finished water pumping station, an extension of the raw water pipeline, a 4 mil gal finished water clearwell, a new high head finished water pumping station, and a new finished water pipeline. Accordingly, the estimated total project cost is the highest for the alternatives evaluated, at \$14.82 million.

Alternative 5: Use Existing WTP At 10 mgd For Peaking And Locate New 5 mgd Base Flow WTP At High Reservoir

Under this scenario, the existing Lewiston WTP would be kept in operational status but used only during the months of May through August for peaking flows. A new, efficient 5 mgd plant would be operated year around to provide the base flow to the City. Because this alternative requires the existing Lewiston WTP to be kept in service the finished water pumping station would not be converted to a raw water pumping station (as in Alternative 3). Instead a new raw water pumping station would be constructed at the existing WTP site to pump water through a new 18-inch diameter raw water transmission pipeline to the new 5 mgd WTP site located adjacent to the High Reservoir. A 0.14 mil gal clearwell would be constructed at the new High Reservoir WTP site for chlorine contact while the High Reservoir would be used as operational storage. The total project cost for this alternative is estimated to be \$6.40 million. The same configuration shown in Figure 6-6 would be used.

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Alternative 6: Use Existing WTP At 10 mgd For Peaking And Locate New 5 mgd Base Flow WTP At Lindsay Creek Road

This alternative has the same configuration as Alternative 4 (Figure 6-7), except that the existing Lewiston WTP would be kept in service for peak summer demands. Because of this, it would be necessary to construct a new low lift raw water pumping station at the existing WTP site to deliver raw water through a new 18-inch diameter transmission pipeline to a new 5 mgd WTP located along Lindsay Creek Road. A new 1.4 mil gal clearwell constructed at the new WTP plant site would include 0.14 mil gal for chlorine contact detention and 1.26 mil gal of operational storage. A new high lift finished water pumping station and 18-inch diameter transmission pipeline would be required to deliver water to the High Reservoir. The total project cost for this alternative is estimated to be \$7.68 million.

Alternative 7: Use Existing WTP At 10 mgd For Peaking And Locate New 5 mgd Base Flow WTP At Lapwai Road

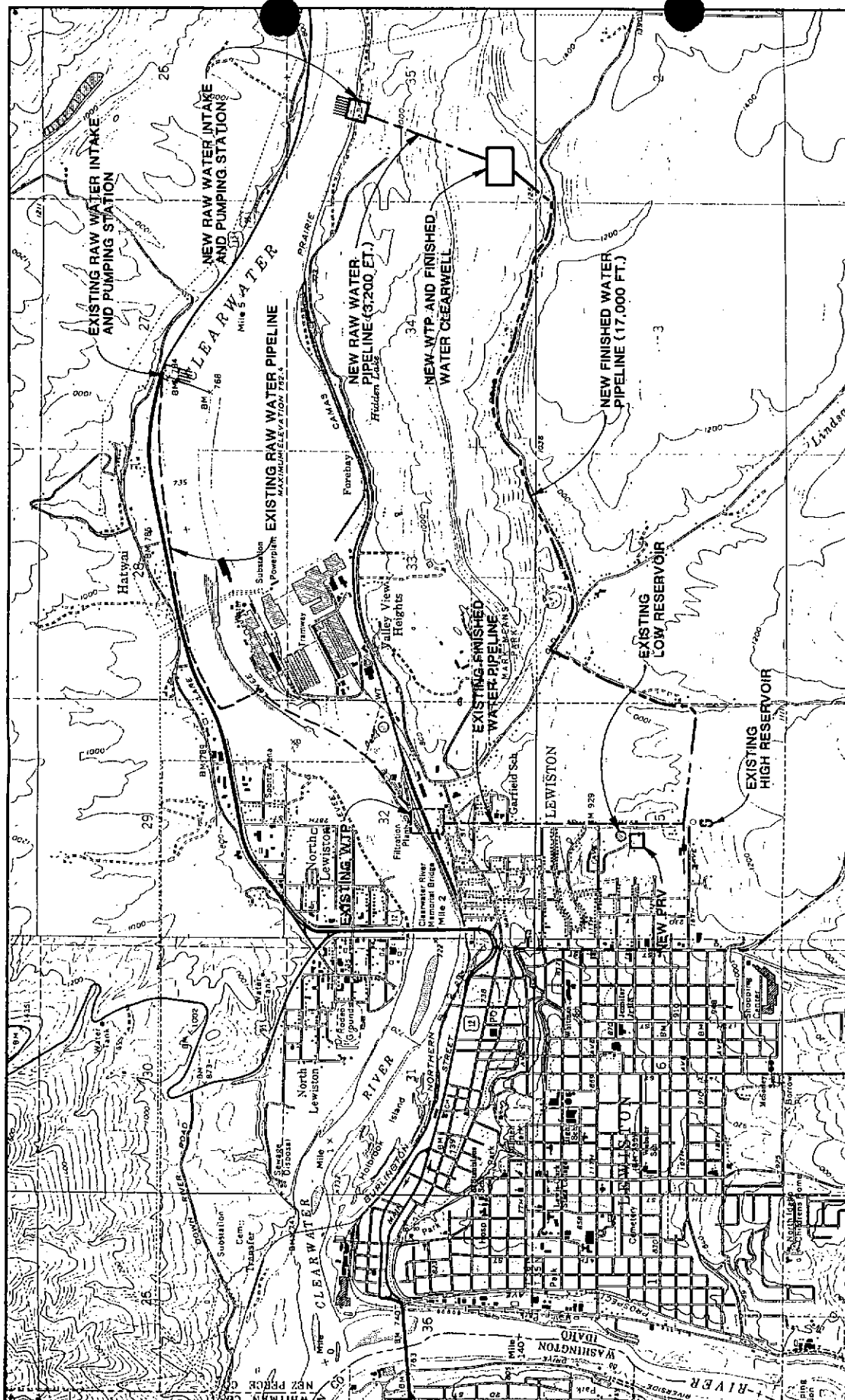
This alternative, as shown in Figure 6-8, would also leaving the existing WTP operational for peak flow service. A new raw water intake would be constructed on the south bank of the Clearwater River, east of the Potlatch facilities. A new raw water pumping station and 18-inch diameter transmission pipeline would deliver water to a new 5 mgd WTP located on the plateau immediately north of Lapwai Road. A 1.4 mil gal finished water clearwell would be constructed to provide both chlorine contact detention and operational storage. No finished water pumping station would be required because the plant site would allow delivery of finished water by gravity to the High Reservoir, through a new 18-inch diameter transmission pipeline.

Although this alternative is the most expensive of the options under the 5 mgd base flow WTP scenario, it does provide some advantages:

- This is the only alternative which uses a new raw water intake, thus providing redundancy in diverting water from the Clearwater River.
- Although the length of finished water transmission pipeline is longer in this alternative (17,000 feet of 18-inch diameter pipe) it would open up new area to development east of the City.
- In the future, when growth in the City of Lewiston requires expansion of WTP facilities beyond the 15 mgd capacity required within the current planning period, this alternative would eliminate the need to parallel the existing 30-inch diameter raw water pipeline with another expensive and lengthy raw water pipeline and river crossing. Raw water pipelines do not form a part of the distribution network as do finished water pipelines.

The total project cost for this alternative is estimated to be \$8.06 million. Because this alternative requires the construction of a new raw water intake, three different types of raw water intake design were reviewed. These alternatives were:

- A grit chamber with static screens.
- A grit chamber with mechanical screens.



WTP ALTERNATIVE 7:
NEW WTP AT LAPWAI ROAD SITE
FIGURE 6-8

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- A proprietary shallow, horizontal well system (Ranney Collectors).

The three alternatives were selected to provide equivalent performance in terms of silt and sand removal and screening functions; however, they differ in terms of operation and maintenance requirements, and cost. The following discussion presents the key points related to each alternative intake; this information is summarized in Table 6-6 (Costs) and Table 6-7 (Problems/Issues).

TABLE 6-6
RAW WATER INTAKE
ALTERNATIVE COST ESTIMATES^{a,d}

Item ^b	Alternative A Static Screen Intake	Alternative B Mechanical Screen Intake	Alternative C Ranney Collector Intake ^c
Grit Chamber	\$160,000	\$160,000	-
Static Screens	30,000	-	-
Mechanical Screens and Building	-	110,000	-
Ranney Collectors	_____	_____	<u>\$410,000 to \$790,000</u>
TOTAL	\$190,000	\$270,000	\$410,000 to \$790,000

^aConstruction costs at ENR = 4200. Costs are for intake only and do not include pumping station or raw water pipeline.

^bSized for 5 mgd capacity.

^cIncludes \$30,000 for preliminary hydrogeological study and test pumping to determine feasibility.

^dConstruction cost estimates are ± 30 percent accuracy, defined as master planning level costs by the American Association of Cost Engineers.

TABLE 6-7

**RAW WATER INTAKE
ALTERNATIVES COMPARISON**

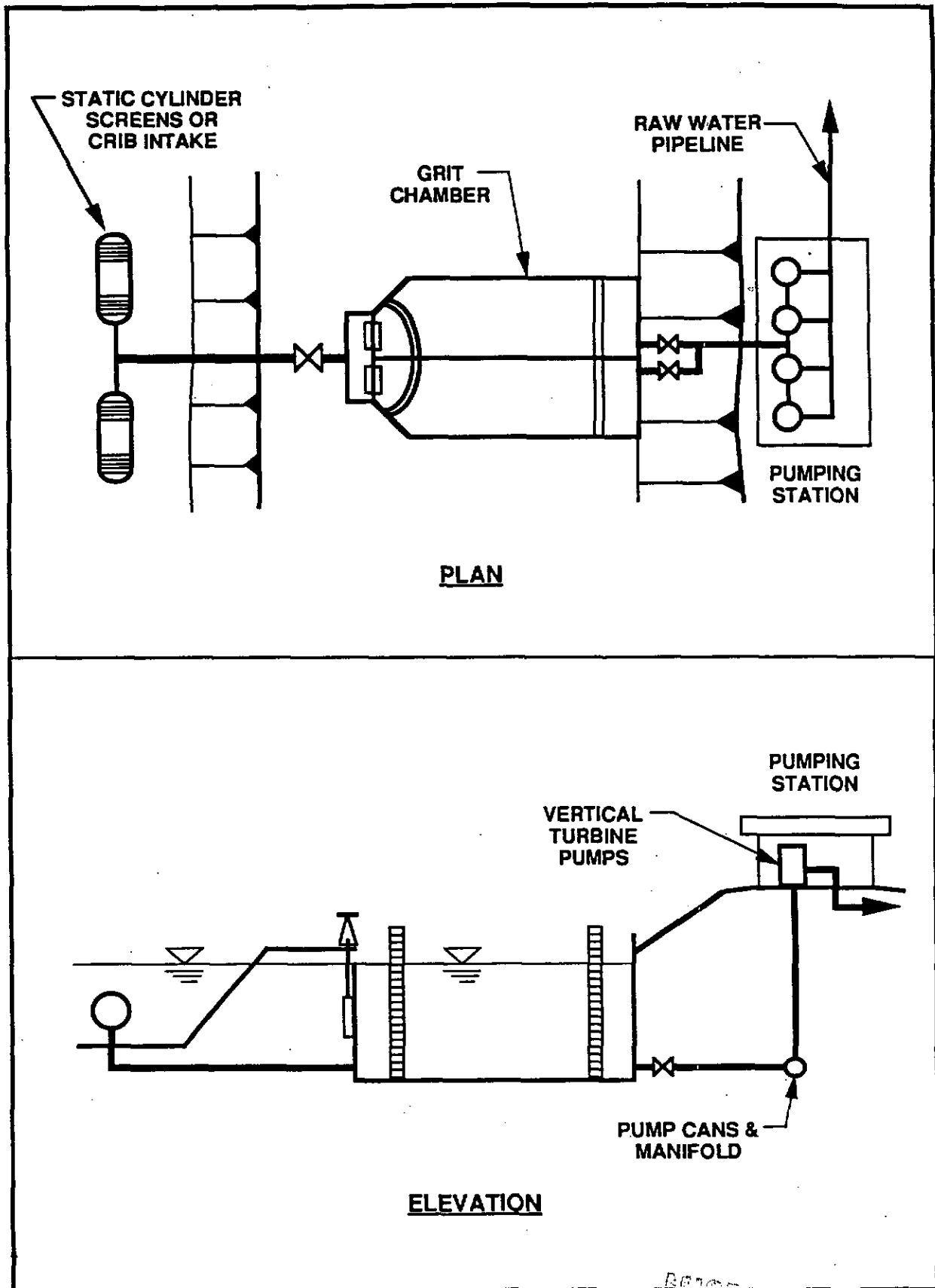
Problems/Deficiencies	Alternatives		
	A Static Screen Intake	B Mechanical Screen Intake	C Ranney Collector Intake
Icing	Good	Good	Best
Leaves	Good	Better	Best
Silt/Sand	Better	Better	Good
Maintenance	Good	Good	Best

Alternative A: Grit Chamber With Static Screens

Cylindrical static screens would be installed within the Clearwater River, aligned parallel to the flow. Although the river current would keep most debris flushed from the screens, they could be equipped with supplemental water/air flush lines. As an alternative, a traditional crib intake could be constructed on the river bottom. A buried pipeline would connect the screens to a grit chamber which would provide for gravity settling of silt and sediment prior to pumping the raw water into the transmission line to the WTP. A location for the fixed screens would need to be selected to provide enough depth to protect the screens from navigational or recreational uses on the Clearwater River. This alternative has the lowest construction cost, at \$190,000 for the screens and grit chamber. The pumping station and raw water transmission pipeline are not included in the cost estimate. The proposed system is shown in Figure 6-9.

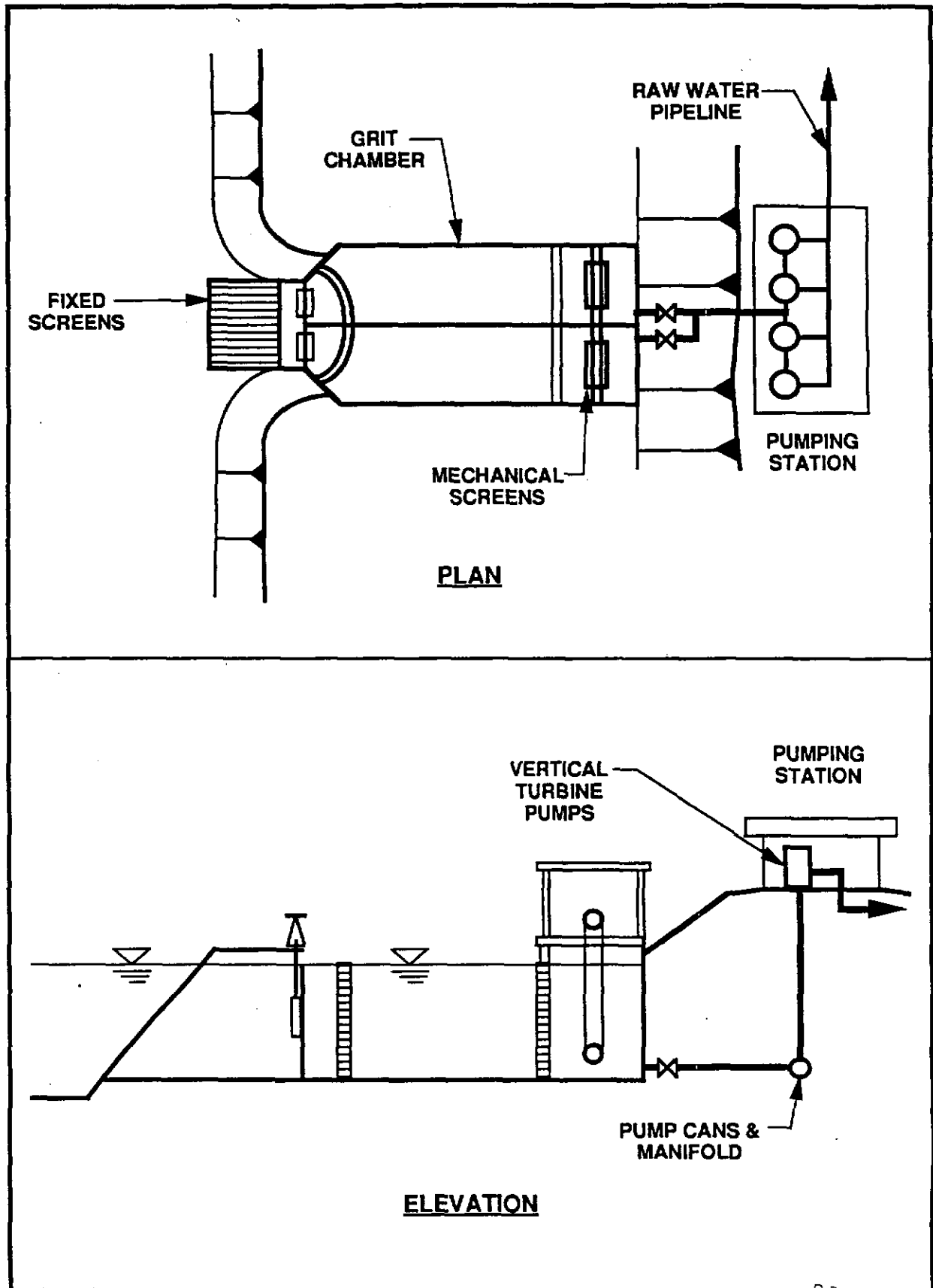
Alternative B: Grit Chamber with Mechanical Screens

As an alternative to the fixed screens shown in Alternative A, this option utilizes mechanical screens. Mechanical screens have the advantage of being a more positive means of removing debris and leaves. A typical screen mesh would be 3/8 inch by 3/8 inch. This alternative would be more difficult to construct because the intake structure itself would project into the river; however, there would be no interference to navigation or recreational uses on the Clearwater River. This alternative has a mid-range construction cost estimate of \$270,000 and is shown in Figure 6-10.



ALTERNATIVE A
GRIT CHAMBER WITH STATIC SCREENS
FIGURE 6-9

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ALTERNATIVE B
GRIT CHAMBER WITH MECHANICAL SCREENS
FIGURE 6-10

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Alternative C: Ranney Collectors

A Ranney collector is a proprietary type of shallow, horizontal well collector. It generally consists of a 13 or 20 foot diameter caisson with collectors radiating laterally from its base. The patent for the Ranney system is based on the jacking system used to extend the collectors horizontally. In this alternative, it is assumed that one to two Ranney collectors would be needed to provide the required 5 mgd capacity. For this alternative, hydrogeological testing would be required to determine the feasibility of the system, the collector capacity, and the number of collectors which would be required. The construction cost of the collectors would be \$410,000 to 790,000, depending upon how many collectors were required. This system is shown in Figure 6-11.

Although there are some advantages in Alternatives B and C, Alternative A (Grit Chamber With Static Screens) would provide satisfactory performance in all areas. Because of the lower estimated cost this is the recommended alternative for a new raw water intake design.

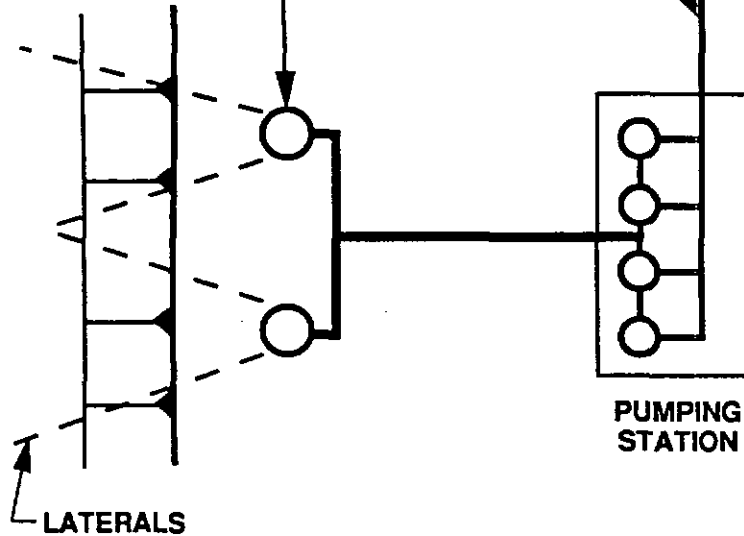
Recommendations

Although it may be possible to utilize the existing Lewiston WTP throughout the current 20 year planning period, the strong possibility exists that it will have insufficient capacity for this period of time. A prudent and conservative approach would be to schedule the construction of new WTP facilities prior to 2010. Continued monitoring of growth in water demand and the performance of the existing Lewiston WTP at higher rates under more stringent water quality standards will be required to determine the actual construction schedule. In the event that new WTP facilities are required during the current planning period, the new 5 mgd base flow WTP scenario has advantages over the scenario calling for the complete abandonment of the existing WTP. It preserves and utilizes the financial investment in the existing WTP and it resolves many of the issues regarding process performance and sludge handling by allowing the existing WTP to operate only during the summer months at a flow rate of 10 mgd.

Under the recommended base flow WTP scenario there are three alternative locations, each with advantages and disadvantages. The Lindsay Creek Road Alternative (Alternative 6) is proposed for inclusion in the capital improvements program schedule. The cost of this alternative is \$1.28 million higher (17 percent) than the High Service Reservoir Alternative and \$0.38 million lower (5 percent) than the Lapwai Road Alternative. The Lindsay Creek Road Alternative is proposed for the capital improvements plan as a middle ground alternative to allow the City the flexibility to select either the High Reservoir location (at a cost savings) or the Lapwai Road location (at a small additional cost) as an alternative. A final decision on which alternative should be selected may be based upon financial considerations as well as the location of new development. Table 6-8 contains design criteria for the proposed 5 mgd base flow WTP

RANNEY COLLECTORS

RAW WATER
PIPELINE

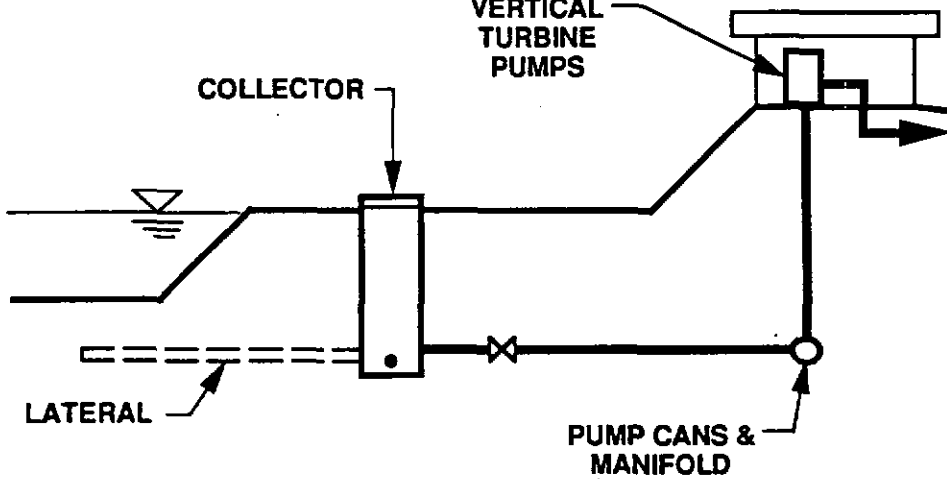


PLAN

PUMPING
STATION

VERTICAL
TURBINE
PUMPS

COLLECTOR



ELEVATION

ALTERNATIVE C
RANNEY COLLECTORS
FIGURE 6-11

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TABLE 6-8

**PROPOSED CONVENTIONAL WTP
DESIGN CRITERIA**

	Units	Criteria
<u>Plant Capacity</u>		
Design Flow (Initial)	mgd	5
<u>Flocculation Basins</u>		
Type: Vertical Shaft		
Stages	no.	3
Basin Dimensions (total)	ft	34 x 51
Water Depth	ft	12
Total Flocculation Time	min	45
<u>Sedimentation Basins</u>		
Type: Horizontal, rectangular with mecahnical sludge removal		
Basin Dimensions (total)	ft	34 x 136
Water Depth	ft	12
Surface Loading Rate	gpm/sq ft	0.75
Basin Length:Width Ratio (min)	dim	4:1
Total Sedimentation Time	min	120
<u>Filters</u>		
Type: Gravity, dual-media, constant level/rate		
Number	no.	4
Filter Dimensions (total)	ft	24 x 48
Area Per Filter	sq ft	144
Filtration Rate at Design Flow (all in service)	gpm/sq ft	6
(one in backwash)	gpm/sq ft	8
Filter Waste Washwater Volume	gal	35,000
<u>Clearwell</u>		
Type: Reinforced concrete		
Chlorine Contact Volume ($T_{10} = 20$ min and $T_{10}/T = 0.50$)	mil gal	0.14
Operation Storage Volume (25 percent of capacity)	mil gal	1.26
Total Volume	mil gal	1.40
Water Depth	ft	16
Dimensions	ft	125 x 125

OCT 25 1993

Table 6-8
(continued)

	Units	Criteria
<u>Finished Water Pumping Station</u>		
Dimensions (space for 6 pumps + surge tank and emergency generator)	ft	38 x 64
<u>Washwater Equalization Basin</u>		
Basin Dimensions	ft	24 x 32
Water Depth	ft	12
Basin Volume (Two Backwashes)	gal	70,000
<u>Sludge Lagoons</u>		
Number	no.	3
Area (total)	acres	1.5
Dimensions (each)	ft	80 x 213
<u>Operations Area</u>	sq ft	3500
<u>Chemical Feed/Storage Area</u>	sq ft	4,800 (2 levels 2,400 sq ft each)

Done



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1118 "F" Street, Lewiston, ID 83501-1986, (208) 799-3430

Cecil D. Andrus, Governor

March 1, 1993

Mr. Bud Van Stone
Public Works Director
City of Lewiston
P.O. Box 617
Lewiston, Idaho 83501

Dear Mr. Van Stone:

We appreciate the opportunity to comment on the proposed increase in withdrawal from the Clearwater River for public water supply use. DEQ does not object to the proposal. The Clearwater River is protected for domestic water supplies by State of Idaho water quality regulations. Normal low flows in the Clearwater River are near 5,000 cubic feet per second. The additional withdrawal of 18.6 cubic feet per second should not significantly affect water quality assuming proper configuration of the intake facilities.

Sincerely,

Gregg N. Teasdale, P.E.
Regional Administrator

GNT/ba

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IDAHO FISH & GAME

REGION 2
1540 Warner Ave.
Lewiston, ID 83501-5699
(208) 743-6502

December 8, 1992

Bud Van Stone
Director of Public Works
City of Lewiston
P.O. Box 617
Lewiston, ID 83501

Dear Mr. Van Stone:

We believe the proposed water withdrawal of 18.6 cfs from the Clearwater River will have minimal negative impacts on the fish and wildlife resources in this area.

Our major concern is the siting of the new water treatment plant and its impacts on wetlands on the river corridor.

Thank you for the opportunity to comment and feel free to contact this office if you have questions.

Sincerely,

Herbert A. Pollard II
Regional Supervisor

HAP/TC/cae
c: NRPB, IDFG, Boise

Cecil D. Andrus / Governor
Jerry M. Conley / Director

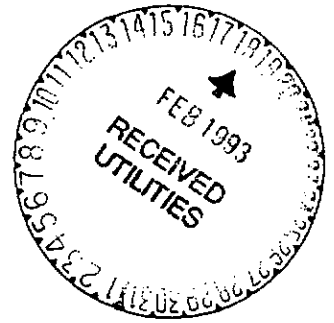
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401 42nd Street North
Lewiston, Idaho 83501
February 16, 1993

Bud Van Stone, Director of
Public Works
City of Lewiston
P. O. Box 617
Lewiston, Idaho 83501

Dear Bud:

In regard to your letter dated December 2, 1992, I would like to comment that Redrock Land & Water, Inc. would have no objection to the City of Lewiston's application for an increase in the amount of water it now draws from the Clearwater River. It is my feeling that growth will continue in the North Lewiston area and our small water system is now at its capacity limits. We will need help from the City.

I checked with the Board of Directors of the Hatwai Utilities and they see no problem with the City withdrawing needed water from the Clearwater River. The Hatwai Utilities also pumps water from the Clearwater River for irrigation purposes.

If I can be of any further assistance in this matter, please let me know.

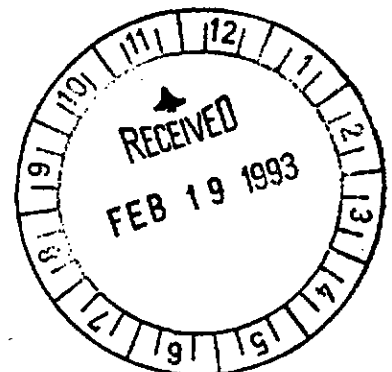
Sincerely,



Elmer R. Imthurn

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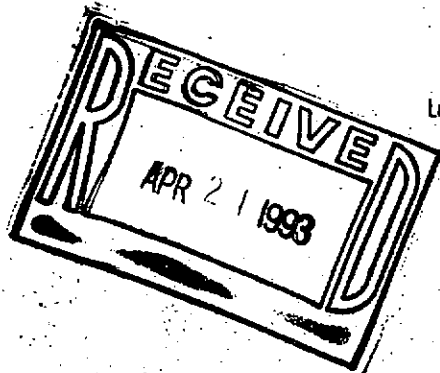


NEZ PERCE COUNTY

BOARD OF COUNTY COMMISSIONERS

1225 Idaho Street
P.O. Box 896
Lewiston, Idaho 83501-0896
(208) 799-3090
FAX (208) 799-3149

April 15, 1993



Bud Van Stone, Director
Public Works
City of Lewiston
P.O. Box 617
Lewiston, ID 83501

RE: PROPOSED WATER WITHDRAWAL APPLICATION FROM THE CLEARWATER RIVER

Dear Mr. Van Stone;

In addressing your letter of December, 1992, regarding the above mentioned proposed water withdrawal, the Board of County Commissioners offer their support of this project. We are aware of the growth in our community and the demands made upon our existing system.

The County's concerns are that all consumer needs be addressed. The needs and concerns of all entities, City of Lewiston, LOID and Nez Perce County are similar and we feel communication, cooperation and the willingness to work together is necessary. Nez Perce County is interested in talking and working toward a plan that benefits all.

Sincerely;

BOARD OF COUNTY COMMISSIONERS

Ervin W. Hill
ERVIN W. HILL, Chairman

Earl J. Ferguson
EARL J. FERGUSON, Member

Larry Vincent
LARRY R. VINCENT, Member

EWH/sc

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OCT 25 1993

Ervin W. Hill
First District

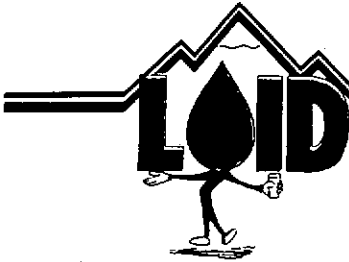
Earl J. Ferguson
Second District

Larry R. Vincent
Third District

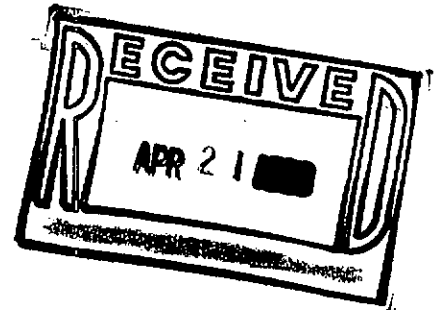
Betty J. Wilsey
Clerk

1520 Powers Avenue
Lewiston, ID 83501

Telephone
(208) 746-8235



LEWISTON ORCHARDS IRRIGATION DISTRICT



April 20, 1993

Mr. Bud Van Stone
Public Works Director
City of Lewiston
P.O. Box 617
Lewiston, Idaho 83501

Re: Permit to withdraw water from the Clearwater River

Dear Mr. Van Stone:

You have requested comments from LOID concerning your permit to withdraw water from the Clearwater River for municipal and irrigation use.

In regards to this application we can find no negative impact. We support your application.

Sincerely,

Randy Moore, Manager

RM:sp

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CLEARWATER RIVER AT SPALDING

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1985

MAR	DAY	APR	OCT	MAY	NOV	JUN	DEC	JUL	JAN	AUG	FEB	SEP
5.760	1	12.400	4.020	31.900	4.520	29.600	10.800	10.200	7.040	11.900	12.200	8.120
6.250	2	15.000	4.130	32.900	4.360	31.700	10.100	11.700	6.780	12.200	12.400	7.140
6.070	3	17.800	4.200	40.100	4.720	29.100	7.030	11.400	8.860	10.300	12.700	7.490
5.780	4	18.800	4.140	39.600	6.710	27.500	10.100	10.500	12.100	9.850	12.700	9.000
5.510	5	16.000	4.090	33.400	6.090	29.500	9.540	9.720	12.100	7.430	12.400	8.820
5.300	6	14.000	4.040	31.300	6.230	33.000	9.590	7.130	12.200	8.730	12.300	9.170
5.220	7	13.800	4.000	29.500	6.700	40.300	10.800	6.910	12.600	6.370	12.500	12.900
5.130	8	14.900	3.950	31.600	7.890	55.100	4.890	6.890	12.900	6.420	12.800	13.700
5.120	9	18.100	3.910	35.200	7.730	53.600	4.400	8.840	12.900	6.050	12.800	12.800
5.330	10	20.400	3.870	34.400	7.470	44.500	9.700	11.900	12.800	6.160	12.800	12.300
8.300	11	24.200	3.870	33.400	7.280	35.900	10.800	11.800	12.700	6.340	12.700	12.200
11.500	12	27.600	3.890	31.200	7.220	31.200	10.100	31.200	12.700	12.000	12.600	7.320
12.300	13	25.500	4.260	28.700	6.130	29.200	9.700	4.740	12.200	9.240	12.700	13.200
6.000	14	26.000	4.630	27.800	8.130	28.000	9.280	4.570	12.000	11.600	12.800	8.890
6.740	15	29.300	4.890	28.100	8.750	26.500	5.720	4.920	12.300	8.640	12.800	6.650
7.540	16	32.300	4.650	29.100	7.770	25.600	4.770	6.310	12.900	9.420	8.540	6.650
8.530	17	32.700	4.410	33.600	7.310	22.900	8.780	7.460	13.100	11.600	8.030	9.060
9.510	18	31.900	4.270	36.400	7.460	19.400	8.820	9.100	13.000	11.600	8.010	12.500

OCT 25 1993

19	4.180	5.450	7.240	12.900	12.600
10.600	29.800	36.300	20.500	9.370	8.860
11.800					
20	4.200	7.540	6.650	13.100	12.800
11.000	25.700	36.100	22.100	5.180	8.300
8.220					
21	4.110	7.780	5.550	13.200	12.900
11.500	21.400	39.800	21.200	3.700	8.500
6.430					
22	3.950	10.600	4.030	13.000	12.800
9.900	18.800	41.700	20.200	3.600	9.660
23	3.920	9.750	4.720	13.100	8.520
8.780	25.900	42.800	19.000	5.980	9.730
24	3.960	9.630	5.610	13.000	8.400
9.450	26.700	45.700	16.100	8.600	8.400
25	4.060	9.700	5.580	12.900	11.500
9.250	25.000	45.800	14.800	8.850	8.300
26	4.430	9.640	7.520	12.900	13.800
8.520	18.900	41.000	14.200	8.810	8.610
27	6.410	9.420	10.400	13.000	13.600
7.780	21.600	34.100	13.400	8.320	8.720
28	7.350	12.100	10.900	13.000	11.000
7.250	22.900	33.200	12.300	7.630	9.030
29	6.860	12.500	12.900	13.000	---
6.910	25.700	35.400	10.500	8.270	9.000
30	6.490	12.900	12.900	12.900	---
7.190	29.900	36.400	10.000	10.700	8.720
31	5.470	---	12.500	11.900	---
9.390	---	34.400	---	8.520	7.280

TOTAL	140.610	239.480	261.420	379.080	331.700
237.320	683.000	1090.900	786.900	253.620	274.280
257.200					
MEAN	4.536	7.983	8.433	12.228	11.846
7.655	22.767	35.190	26.230	8.181	8.848
MAX DAY	7.350	12.900	12.900	13.200	13.800
11.500	32.700	45.800	55.100	12.000	12.200
13.700					

	28 OCT	30 NOV	29 DEC	21 JAN	26 FEB	12
MAR 17	APR 25	MAY 8	JUN 12	JUL 2	AUG 8	SEP 12
MIN DAY	3.870	4.360	4.030	6.780	8.010	
5.120	12.400	27.800	10.000	3.600	6.050	4.720
	10 OCT	2 NOV	22 DEC	2 JAN	18 FEB	9
MAR 1	APR 14	MAY 30	JUN 22	JUL 9	AUG 30	SEP 9

KAF	278.900	475.009	518.527	751.905	657.927
470.724	1354.731	2163.800	1560.816	503.055	544.034
510.156					

OCT 25 1993

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	4935.510	13.522	55.100	8 JUN	3.600
22 JUL	9789.584				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1986

MAR	DAY	APR	OCT	MAY	NOV	JUN	DEC	JUL	JAN	AUG	FEB	SEP
31.800	1	28.600	4.660	19.300	5.780	60.800	12.800	9.940	5.800		12.800	
3.880											3.380	
30.700	2	29.700	4.620	18.100	6.250	57.500	12.600	10.700	9.780		13.200	
6.670											3.420	
31.200	3	27.700	4.580	18.900	8.250	55.400	13.100	8.840	12.600		13.200	
8.950											3.800	
30.300	4	26.400	4.160	24.700	8.980	49.600	11.100	7.020	5.170		12.700	
11.600											3.680	
37.700	5	18.500	3.730	35.400	9.190	46.200	10.700	8.430	4.800		11.500	
11.500											3.600	
40.100	6	17.500	3.390	32.300	10.300	43.900	10.700	9.500	4.800		10.700	
11.400											3.540	
42.300	7	19.500	3.470	30.700	10.100	38.100	11.500	9.110	4.700		9.180	
11.400											3.440	
53.300	8	20.500	4.960	28.800	10.700	34.300	11.700	8.320	4.740		7.910	
11.300											3.310	
58.700	9	22.700	4.370	28.600	10.600	31.300	11.700	7.570	4.040		6.730	
11.500											3.140	

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10	3.710	10.100	13.400	4.120	6.360
55.500	23.500	28.900	27.700	7.740	2.960
12.300					
11	3.760	9.800	12.800	3.980	6.470
51.000	23.400	29.900	24.300	7.680	3.340
12.200					
12	4.500	9.870	12.100	3.960	6.030
52.000	20.300	30.200	24.500	7.000	3.220
11.900					
13	5.170	9.440	12.400	3.810	5.520
49.200	19.500	28.000	23.400	7.780	3.170
11.600					
14	5.170	9.100	5.200	3.650	5.400
46.600	19.600	28.600	18.600	8.140	3.170
11.600					
15	5.020	8.770	5.090	3.600	5.610
44.600	18.600	27.400	16.900	7.410	3.180
11.700					
16	5.090	13.700	7.870	3.710	8.500
42.800	20.200	25.700	17.400	6.540	2.950
11.900					
17	5.480	14.900	12.900	3.970	15.600
41.800	22.100	23.700	18.200	5.980	2.780
11.900					
18	5.760	14.400	12.800	5.460	14.700
39.200	22.400	24.800	19.300	6.160	2.780
12.100					
19	5.460	13.600	11.500	5.570	13.000
34.500	24.200	27.500	18.100	6.210	2.730
12.100					
20	5.270	12.200	12.800	6.330	11.100
33.800	20.400	36.300	15.800	5.890	2.670
12.100					
21	5.230	11.400	12.600	6.590	9.810
29.600	19.900	43.700	11.900	5.650	3.460
12.900					
22	5.400	13.300	12.300	5.920	10.300
23.400	20.700	46.700	9.940	5.530	3.550
13.100					
23	5.980	12.700	12.000	5.460	24.800
22.700	31.900	39.800	11.200	5.420	3.840
12.600					
24	6.170	12.100	5.830	5.540	45.200
23.300	30.000	35.600	12.500	4.980	3.920
12.300					
25	5.710	12.200	4.200	5.430	42.000
25.100	28.400	35.300	12.000	4.690	3.730
12.400					
26	7.720	12.500	8.330	4.920	36.200
23.400	22.900	41.300	9.640	4.400	3.140

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12.400						
27	8.220	13.900	12.400	4.600	35.400	
23.100	20.300	52.700	10.200	4.170	2.970	
12.400						
28	7.030	13.300	12.400	4.580	31.800	
24.000	24.200	60.800	8.180	4.080	3.050	
12.500						
29	6.710	13.500	7.710	5.580	---	
21.000	25.100	64.800	7.150	3.920	3.270	
12.600						
30	6.240	13.200	8.440	8.910	---	
21.600	21.100	66.400	10.400	3.820	3.470	
12.700						
31	5.970	---	12.400	11.900	---	
24.700	---	63.900	---	3.600	3.630	--

TOTAL	162.710	334.130	333.370	174.020	431.720
1109.000	689.800	1098.800	744.410	206.220	102.290
345.500					

MEAN	5.249	11.138	10.754	5.614	15.419
35.774	22.993	35.445	24.814	6.652	3.300
11.517					

MAX DAY	8.220	14.900	13.400	12.600	45.200
58.700	31.900	66.400	60.800	10.700	3.920
13.100					

	27 OCT	17 NOV	10 DEC	3 JAN	24 FEB	9
MAR 23	APR 30	MAY 1	JUN 2	JUL 24	AUG 22	SEP
MIN DAY	3.390	5.780	4.200	3.600	5.400	
21.000	17.500	18.100	7.150	3.600	2.670	
3.880						

	6 OCT	1 NOV	25 DEC	15 JAN	14 FEB	29
MAR 6	APR 2	MAY 29	JUN 31	JUL 20	AUG 1	SEP

KAF	322.735	662.747	661.239	345.169	856.317
2199.701	1368.218	2179.470	1476.537	409.037	202.892
685.299					

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	5731.970	15.704	66.400	30 MAY	2.670
20 AUG	11369.360				

USGS GAGE NUMBER 13342500

RECORDED
OCT 25 1993

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1987

MAR	DAY	APR	OCT	MAY	NOV	JUN	DEC	JUL	JAN	AUG	FEB	SEP
3.790	1	6.220	6.030	49.400	5.250	15.500	5.790	4.940	4.500	2.790	5.170	3.760
4.780	2	8.330	5.680	43.200	4.870	12.400	13.800	4.640	4.430	2.750	6.350	3.140
6.930	3	8.680	5.360	36.300	4.610	10.500	14.000	4.680	4.440	2.670	5.560	2.810
9.770	4	8.060	4.960	32.200	4.420	9.810	13.700	4.630	4.480	2.570	5.250	3.070
9.860	5	9.120	4.740	30.900	4.360	9.340	13.300	4.440	4.510	2.530	4.810	3.070
11.300	6	9.940	5.290	35.000	4.670		13.800		4.330	4.490	4.540	
3.070	7	12.300	9.940	45.300	5.620		9.120		4.620	4.410	2.510	
13.100	8	12.700	5.570	43.700	5.410		14.100		4.620	4.410	4.460	
3.050	9	13.100	5.570	30.100	5.140		9.050		5.520	3.540	2.450	
12.000	10	11.800	5.060	29.700	5.140		13.300		5.360	2.850	4.440	
6.230	11	12.500	4.370	31.200	4.860		9.850		5.130	2.850	2.390	
11.300	12	13.500	4.000	44.300	4.510		12.200		4.740	2.120	4.610	
10.400	13	12.000	3.960	44.300	4.400		12.200		4.740	2.120	2.300	
10.800	14	11.200	3.920	43.100	4.570		8.920		4.660	2.650	4.590	
10.400	15	11.100	3.900	42.800	4.770		8.790		4.180	2.820	10.400	
											5.050	
											3.210	
											6.370	
											3.210	
											6.770	
											3.320	

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16	4.120	5.600	8.600	2.630	6.170
12.100	12.000	45.700	8.140	3.670	3.650
7.950					
17	4.100	7.400	12.000	2.360	6.230
12.400	13.600	44.700	8.650	3.210	3.760
10.400					
18	4.060	12.700	12.300	2.330	6.270
12.300	16.400	34.600	9.790	3.160	3.730
10.400					
19	4.030	13.700	9.770	2.500	5.900
12.900	16.600	15.500	10.000	3.780	3.530
10.500					
20	4.020	14.400	8.160	2.890	5.450
11.700	14.400	13.800	8.760	4.460	3.410
10.500					
21	4.020	14.900	7.630	2.850	5.090
10.800	13.200	12.400	7.550	4.110	3.340
10.500					
22	4.050	17.100	10.500	2.690	5.020
9.710	13.400	11.300	7.410	4.960	3.290
					10.500
23	4.010	16.100	12.900	2.580	4.980
8.860	15.800	10.400	7.450	6.260	3.250
					10.500
24	3.990	15.300	9.530	2.780	4.650
8.080	21.000	9.920	6.960	6.470	2.880
					10.600
25	3.960	15.500	5.860	2.980	4.320
7.620	24.400	9.710	7.530	8.810	3.400
					10.600
26	3.930	7.540	4.910	3.190	4.110
7.120	25.900	10.100	7.320	7.660	3.450
					10.600
27	3.960	5.710	4.740	3.660	3.920
7.040	27.100	11.000	6.300	7.800	3.440
					10.600
28	4.070	6.880	4.520	4.060	3.780
6.920	37.200	11.300	5.470	4.840	3.370
					10.100
29	4.630	7.070	4.060	4.080	---
6.510	44.000	10.500	5.310	3.640	3.300
					10.800
30	4.590	6.340	4.110	3.880	---
6.080	47.800	9.560	5.110	3.250	3.270
					10.900
31	4.930	---	4.440	3.650	---
5.600	---	9.850	---	2.970	3.960
					--

TOTAL	139.020	239.010	303.530	102.320	142.680
297.170	503.350	851.840	262.990	150.690	95.330
256.550					
MEAN	4.485	7.967	9.791	3.301	5.096
9.586	16.778	27.479	8.766	4.861	3.075
					8.552
MAX DAY	6.030	17.100	14.100	4.510	6.770
14.500	47.800	49.400	15.500	8.810	3.960
10.900					

	1 OCT	22 NOV	7 DEC	5 JAN	15 FEB	14
MAR 30	APR 1	MAY 1	JUN 1	JUL 25	AUG 31	SEP 30
MIN DAY	3.900	4.360	4.060	2.070	3.780	---

OCT 25 1993

3.790	6.220	9.560	5.110	2.970	2.300	2.810
	14 OCT	5 NOV	29 DEC	11 JAN	28 FEB	1
MAR	1 APR	30 MAY	30 JUN	31 JUL	11 AUG	3 SEP

KAF	275.746	474.076	602.052	202.952	283.006
589.437	998.395	1689.625	521.641	298.894	189.087
508.867					

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	3344.480	9.163	49.400	1 MAY	2.070
11 JAN	6633.776				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1988

DAY	OCT	NOV	DEC	JAN	FEB
MAR	APR	MAY	JUN	JUL	AUG
SEP					
1	4.490	3.170	11.400	7.360	4.040
6.010	8.920	21.800	21.300	8.050	4.010
2	2.890	3.220	11.700	5.580	3.920
6.620	8.580	19.000	23.700	7.230	3.980
3	2.840	3.270	12.200	5.190	3.800
7.330	10.100	17.600	22.400	6.710	3.940
4	2.830	3.300	12.700	5.140	3.850
7.850	13.600	28.300	23.500	6.400	3.930
5	2.810	3.330	12.700	11.900	3.850
7.480	12.300	41.000	27.300	6.360	3.920
6	2.800	3.310	12.700	11.300	3.790
8.080	11.100	42.700	26.200	6.300	5.140
7	2.810	3.290	12.700	12.400	3.810
8.740	11.800	44.500	24.900	6.480	5.190
8	2.830	3.270	13.400	7.500	3.790
7.490	15.000	43.400	23.800	5.890	5.210
9	2.940	3.260	13.100	7.350	4.380
7.250	11.400	43.100	21.800	5.480	4.850

OCT 25 1993

7.710	10	3.000	3.280	13.000	6.050	5.540
		9.980	39.300	19.800	5.170	4.880
	11	3.000	4.270	13.700	5.950	6.310
7.190		9.650	22.100	19.200	4.920	5.110
	12	3.000	5.740	11.900	6.190	6.120
6.610		10.700	26.100	18.300	4.730	5.800
	13	2.890	5.840	10.700	5.990	5.990
6.180		14.000	33.400	17.400	4.650	6.230
	14	2.820	6.110	11.400	5.630	5.980
5.910		19.900	35.900	16.300	4.660	5.840
	15	2.830	6.550	11.900	3.990	6.330
5.830		30.100	30.800	15.700	4.620	5.860
	16	2.840	8.040	12.200	4.270	6.380
5.610		30.800	28.800	15.700	4.620	6.140
	17	2.960	9.590	12.300	4.450	5.930
5.360		34.400	34.400	15.500	4.400	5.970
	18	3.050	11.600	12.500	4.240	5.420
5.190		36.600	33.000	15.400	4.160	5.850
	19	3.040	11.500	10.700	3.940	5.080
5.230		35.300	27.100	14.900	3.920	5.940
	20	3.000	11.500	10.000	3.710	4.860
5.440		29.300	24.000	13.700	3.800	7.660
	21	3.000	9.790	12.100	3.680	4.750
6.150		27.400	22.800	12.800	3.680	8.400
	22	3.030	9.260	12.400	3.760	4.900
7.790		27.300	23.500	11.900	3.560	8.360
	23	3.030	9.370	12.500	3.810	4.900
8.380		24.400	27.300	11.100	3.890	8.960
	24	3.040	7.910	12.400	3.740	4.860
8.660		23.000	31.900	10.300	4.240	8.790
	25	3.050	7.230	10.300	3.740	4.800
8.350		21.100	32.100	9.420	6.140	8.940
	26	3.020	7.140	9.350	3.660	4.730
8.840		18.500	31.100	9.010	7.810	10.900
	27	3.030	7.140	9.220	3.690	4.820
12.900		16.800	30.800	9.790	7.850	11.200
11.600						
	28	3.130	7.060	11.700	3.680	5.060
12.600		16.400	28.500	9.790	10.000	10.100
12.000						
	29	3.180	7.030	12.000	3.710	5.480
10.600		18.900	26.800	9.090	6.550	10.300
12.500						
	30	3.180	11.300	12.500	3.990	---
9.830		23.800	27.500	8.880	4.810	9.050
	31	3.170	---	13.000	4.260	---
10.400		---	23.200	---	3.850	9.100

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OCT 25 1993

TOTAL	93.530	196.670	370.370	169.850	143.470
237.610	581.130	941.800	498.880	170.930	209.550
278.380					
MEAN	3.017	6.556	11.947	5.479	4.947
7.665	19.371	30.381	16.629	5.514	6.760
MAX DAY	4.490	11.600	13.700	12.400	6.380
12.900	36.600	44.500	27.300	10.000	11.200
12.500					

	1 OCT	18 NOV	11 DEC	7 JAN	16 FEB	27
MAR 18	APR 7	MAY 5	JUN 28	JUL 27	AUG 29	SEP
MIN DAY	2.800	3.170	9.220	3.660	3.790	
5.190	8.580	17.600	8.880	3.560	3.920	3.130
	6 OCT	1 NOV	27 DEC	26 JAN	6 FEB	18
MAR 2	APR 3	MAY 30	JUN 22	JUL 5	AUG 5	SEP

KAF	185.517	390.095	734.629	336.897	284.573
471.299	1152.671	1868.060	989.529	339.040	415.642
552.167					

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY KAF					
SUMMARY	3892.170	10.634	44.500	7 MAY	2.800
6 OCT	7720.119				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1989

DAY	OCT	NOV	DEC	JAN	FEB
MAR	APR	MAY	JUN	JUL	AUG
SEP					
1	3.390	3.430	4.920	4.520	5.200
5.440	22.200	30.400	27.000	14.200	6.570
2	3.130	3.490	5.930	4.590	12.200
5.240	21.300	31.700	29.200	13.800	7.530
3	3.070	3.670	3.980	4.540	11.300
7.270	20.300	34.100	37.400	12.900	7.920
4	3.000	4.510	4.030	3.700	11.200
7.080	19.000	43.700	34.200	12.400	7.900

11.400 MED

OCT 25 1993

7.260	5	2.960	5.040	4.060	3.230	11.200
		19.400	46.000	36.700	12.000	4.780 11.300
5.480	6	2.950	4.750	4.110	3.190	11.600
		21.500	43.600	43.000	10.900	3.030 11.300
7.760	7	2.920	5.120	4.370	3.170	12.200
		26.100	45.900	45.100	10.200	5.280 11.200
9.620	8	2.920	5.480	4.190	3.030	12.100
		33.300	49.700	43.800	9.740	7.700 11.200
11.300	9	2.900	4.920	3.690	3.080	12.000
11.200		31.400	47.400	42.700	9.050	7.490
17.000	10	2.880	4.710	3.840	9.630	12.000
11.200		27.800	47.400	41.100	8.740	7.930
21.600	11	2.870	4.550	4.130	10.000	5.680
11.200		25.500	49.400	39.200	8.360	7.980
22.000	12	2.850	4.570	3.910	12.100	4.090
11.100		24.700	40.800	36.200	8.310	5.460
21.500	13	2.840	4.570	3.860	12.200	4.060
11.100		25.300	32.800	35.500	8.080	3.980
18.700	14	2.840	4.640	4.580	12.200	3.940
11.100		27.600	28.300	34.400	8.270	5.910
14.700	15	2.880	4.450	4.570	12.300	3.750
11.100		27.300	26.700	34.800	7.670	4.840
13.500	16	2.940	4.340	3.630	12.300	3.710
11.200		32.000	35.300	42.600	7.330	3.530
15.100	17	3.370	4.200	2.700	12.500	3.710
11.100		36.800	34.900	37.700	11.200	3.450
15.200	18	6.510	4.300	2.350	12.700	3.740
11.400		32.300	38.300	31.400	13.900	5.300
15.700	19	5.020	4.340	2.500	12.900	3.820
12.100		31.300	33.900	29.000	13.600	4.530
14.100	20	4.370	4.230	3.100	13.000	3.910
11.900		37.500	28.800	26.700	13.300	3.320
15.600	21	4.460	4.190	4.420	13.100	4.040
11.600		43.200	23.300	26.400	13.100	7.080
18.300	22	4.120	4.390	5.110	13.200	4.170
11.500		46.700	21.300	23.800	12.900	11.200

OCT 25 1993

23	3.890	5.000	6.430	13.200	4.760
16.100	43.500	21.900	22.400	12.700	11.700
11.400					
24	3.730	5.910	7.010	11.700	5.720
14.000	35.600	23.000	16.000	11.800	12.300
11.300					
25	3.620	5.400	6.610	4.460	6.040
16.400	30.500	25.900	15.500	9.120	12.200
11.400					
26	3.550	4.930	6.470	4.410	6.160
20.500	27.800	27.100	16.500	6.600	11.900
11.300					
27	3.510	4.700	5.970	4.210	5.950
20.100	28.100	20.300	17.600	5.730	11.800
11.300					
28	3.470	4.450	4.390	4.310	5.720
22.500	33.100	20.700	17.100	5.940	11.800
11.300					
29	3.450	4.490	3.710	4.260	---
23.600	31.000	25.300	16.500	5.940	11.800
11.400					
30	3.440	4.530	3.960	4.320	---
23.800	29.900	28.400	16.000	5.590	11.500
11.400					
31	3.430	---	4.300	4.380	---
22.500	---	26.600	---	5.600	11.500

TOTAL	107.280	137.300	136.830	246.430	193.970
468.950	892.000	1032.900	915.500	308.970	239.210
339.800					
MEAN	3.461	4.577	4.414	7.949	6.928
15.127	29.733	33.319	30.517	9.967	7.716
11.327					
MAX DAY	6.510	5.910	7.010	13.200	12.200
23.800	46.700	49.700	45.100	14.200	12.300
12.100					

	18 OCT	24 NOV	24 DEC	22 JAN	2 FEB	30
MAR	22 APR	8 MAY	7 JUN	1 JUL	24 AUG	19 SEP
MIN DAY	2.840	3.430	2.350	3.030	3.710	
5.240	19.000	20.300	15.500	5.590	3.030	11.000
	13 OCT	1 NOV	18 DEC	8 JAN	16 FEB	2
MAR	4 APR	27 MAY	25 JUN	30 JUL	6 AUG	3 SEP

KAF	212.790	272.335	271.402	488.794	384.740
930.162	1769.282	2048.757	1815.894	612.842	474.473
673.993					

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OCT 25 1993

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	5019.140	13.751	49.700	8 MAY	2.350
18 DEC	9955.465				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1990

MAR	DAY	APR	OCT	MAY	NOV	JUN	DEC	JUL	JAN	AUG	FEB	SEP
11.400	1	13.800	4.700	23.500	3.780	48.700	4.340	16.200	4.750	4.620	4.010	
3.230												
9.780	2	15.400	3.800	22.200	3.750	48.200	6.550	18.200	4.770	4.440	3.910	2.750
9.900	3	17.900	4.200	22.200	3.680	42.800	6.820	18.200	4.700	4.600	3.870	2.680
10.500	4	20.600	4.160	22.700	3.640	45.900	7.140	15.700	4.530	4.250	3.840	
4.980												
11.000	5	21.400	3.990	27.400	5.720	46.700	9.380	15.700	4.530	4.120	3.820	
8.690												
10.700	6	21.000	3.860	30.000	6.720	41.900	13.500	15.600	4.620	5.250	3.680	
8.690												
10.000	7	20.400	3.650	33.300	5.800	46.300	8.700	11.500	4.950	5.550	4.650	
9.060												
11.200	8	20.700	3.520	46.500	6.300	41.600	7.290	10.800	7.230	3.510	4.690	
11.000												
12.500	9	21.100	3.490	44.500	6.600	36.600	6.940	10.900	8.930	3.040	4.710	
10.900												
13.300	10	20.500	3.520	41.400	7.410	38.800	6.660	9.980	7.970	2.980	7.030	
10.800												
15.000	11	19.800	3.640	38.200	9.000	45.300	6.040	9.450	8.310	3.010	11.600	

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OCT 25 1993

10.800					
12	3.870	8.980	5.950	7.250	13.200
17.800	20.100	42.900	44.300	9.820	2.970
10.700					
13	3.880	7.880	5.810	7.040	14.000
17.000	20.900	43.100	41.200	12.700	3.180
10.300					
14	3.680	6.810	8.310	6.990	15.600
16.500	21.400	43.400	39.000	8.560	3.490
10.600					
15	3.620	6.750	8.290	6.380	14.600
16.400	32.200	43.100	30.100	6.910	3.040
10.700					
16	3.610	5.610	6.530	5.970	14.200
12.100	33.000	18.400	27.800	7.040	2.620
10.600					
17	3.540	4.710	5.700	5.600	14.300
10.500	33.300	16.600	27.500	5.630	2.530
10.600					
18	3.510	4.780	5.400	5.240	14.100
10.400	33.100	16.400	27.400	6.100	2.550
10.600					
19	3.510	5.560	6.010	4.920	13.500
16.400	32.700	16.700	28.100	7.820	2.810
10.600					
20	3.520	5.500	7.380	5.100	13.200
19.500	32.100	16.200	28.500	7.040	4.680
10.600					
21	3.540	5.430	6.070	4.820	13.300
22.500	33.400	17.200	28.600	5.670	5.460
10.400					
22	3.630	5.450	6.310	5.350	13.700
22.600	35.700	16.900	29.500	5.320	4.320
10.300					
23	3.890	5.440	5.820	5.810	13.800
20.900	39.100	18.900	25.900	5.180	5.310
10.600					
24	4.040	5.280	5.240	5.650	14.400
15.300	39.200	27.500	26.900	5.100	6.170
10.600					
25	4.030	5.520	5.290	5.080	15.200
14.100	33.800	42.200	29.100	5.400	4.360
8.660					
26	3.940	5.460	5.010	4.210	15.700
13.300	31.400	35.900	28.900	8.730	3.750
10.600					
27	3.860	5.370	4.690	4.200	15.800
12.900	28.400	32.800	27.200	8.400	4.220
10.600					
28	4.020	5.260	4.570	4.060	15.800
12.800	32.400	32.500	25.600	6.700	4.310

15.800
4.310

OCT 25 1993

10.700						
29	4.190	4.900	4.580	4.090	---	
12.800	30.100	50.700	23.900	5.480	4.050	
10.700						
30	3.990	4.430	4.720	4.160	---	
11.600	26.000	61.900	17.700	5.720	3.840	
10.700						
31	3.840	---	4.800	4.100	---	
12.900	---	52.700	---	5.000	3.720	--

TOTAL	118.240	171.520	199.840	171.310	300.210
433.580	800.900	997.900	1040.000	290.550	122.750
282.740					
MEAN	3.814	5.717	6.446	5.526	10.722
13.986	26.697	32.190	34.667	9.373	3.960
9.425					
MAX DAY	4.700	9.000	13.500	8.930	15.800
22.600	39.200	61.900	48.700	18.200	6.170
11.000					

	1 OCT	11 NOV	6 DEC	9 JAN	27 FEB	22
MAR 24	APR 30	MAY 1	JUN 2	JUL 24	AUG 8	SEP
MIN DAY	3.490	3.640	4.340	4.060	3.680	
9.780	13.800	16.200	17.700	5.000	2.530	2.680
	9 OCT	4 NOV	1 DEC	28 JAN	6 FEB	2
MAR 1	APR 20	MAY 30	JUN 31	JUL 17	AUG 3	SEP

KAF	234.529	340.210	396.383	339.793	595.466
860.006	1588.585	1979.335	2062.840	576.306	243.475
560.815					

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	4929.540	13.506	61.900	30 MAY	2.530
17 AUG	9777.743				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1991

OCT 25 1993

MAR	DAY	APR	OCT	MAY	NOV	JUN	DEC	JUL	JAN	AUG	FEB	SEP
	1		5.200		4.420		14.100		12.200		10.800	
9.340		6.000		37.400		36.400		30.800		5.220		2.770
	2		3.210		5.220		13.300		12.500		7.780	
9.000		7.390		36.900		40.600		26.500		6.390		2.690
	3		3.300		4.500		13.200		12.500		8.210	
10.300		10.500		36.400		42.500		25.000			5.190	
4.490												
	4		3.470		4.160		13.200		12.500		8.240	
11.900		12.300		35.800		41.400		22.600			4.030	
11.000												
	5		4.110		6.530		14.600		12.400		9.380	
13.400		12.900		29.600		33.800		21.400			5.230	
11.000												
	6		4.290		8.680		19.600		12.300		9.640	
12.800		15.800		21.200		32.100		19.100			5.830	
11.000												
	7		4.290		7.690		19.100		12.300		9.110	
11.300		17.200		22.900		36.800		17.400			4.910	
11.000												
	8		5.420		7.090		18.400		12.500		8.630	
9.920		15.900		26.400		33.000		16.400		5.490		11.000
	9		5.220		6.930		18.300		12.600		7.550	
9.800		14.600		37.100		30.000		15.400		4.540		11.000
	10		5.150		5.820		19.000		12.700		7.100	
9.360		15.200		33.800		33.600		18.200		3.530		11.000
	11		5.130		5.340		22.600		12.700		7.870	
9.450		13.700		30.900		40.800		17.800		3.400		11.000
	12		5.180		5.330		22.200		12.900		7.490	
9.480		12.500		35.700		37.700		17.200		3.350		11.000
	13		5.210		5.030		19.100		14.600		7.330	
10.600		11.500		42.600		34.200		15.500			3.300	
11.100												
	14		5.380		5.020		14.200		16.900		8.470	
11.100		10.900		39.000		30.700		11.400			3.250	
11.200												
	15		5.210		5.550		13.700		22.100		9.760	
10.700		11.200		43.400		27.400		11.200			3.190	
11.200												
	16		4.260		5.300		12.900		21.100		10.700	
10.300		11.000		44.600		24.800		9.180			5.920	
10.900												
	17		5.180		4.820		12.800		19.100		14.000	
10.000		10.600		46.400		24.400		7.790			11.400	
11.300												
	18		5.160		4.580		12.900		18.400		12.900	
9.820		10.400		53.100		23.500		7.400		11.400		11.100

OCT 25 1993

19	4.670	4.680	13.300	17.500	11.600
9.700	10.400	59.100	26.600	7.210	11.400
20	5.330	4.710	11.700	16.100	13.000
9.750	10.500	48.900	28.300	6.790	11.400
21	4.810	4.650	15.200	15.100	15.900
9.960	11.200	43.300	30.700	6.470	10.500
22	5.280	4.590	19.700	14.400	15.000
9.780	12.600	42.700	26.100	6.210	3.890
23	7.240	4.760	10.700	14.100	13.300
9.610	14.300	45.700	25.100	7.010	2.930
24	5.720	5.030	11.200	14.100	11.900
9.440	16.700	45.900	26.300	8.370	2.890
25	4.970	6.440	11.900	13.900	10.800
9.440	19.000	43.300	29.000	7.990	2.870
26	4.720	15.100	12.500	13.300	10.100
9.460	27.600	38.500	30.100	7.570	2.820
27	4.990	16.200	12.900	13.100	9.680
7.560	39.600	31.600	27.800	5.720	2.760
28	5.270	15.000	12.900	13.400	9.440
6.050	37.900	29.700	25.300	5.000	2.830
29	5.050	14.400	12.500	13.000	---
5.760	37.000	33.700	25.600	6.160	3.110
30	4.500	14.200	12.000	12.600	---
5.660	37.000	34.900	26.300	5.500	3.380
31	3.730	---	11.900	11.400	---
5.630	---	36.900	---	4.390	3.050

TOTAL	150.650	211.770	461.600	444.300	285.680
296.370	493.390	1187.400	930.900	394.660	159.400
308.350					
MEAN	4.860	7.059	14.890	14.332	10.203
9.560	16.446	38.303	31.030	12.731	5.142
MAX DAY	7.240	16.200	22.600	22.100	15.900
13.400	39.600	59.100	42.500	30.800	11.400
11.300					

	23 OCT	27 NOV	11 DEC	15 JAN	21 FEB	5
MAR	27 APR	19 MAY	3 JUN	1 JUL	17 AUG	17 SEP
MIN DAY	3.210	4.160	10.700	11.400	7.100	
5.630	6.000	21.200	23.500	4.390	2.760	2.690
	2 OCT	4 NOV	23 DEC	31 JAN	10 FEB	31
MAR	1 APR	6 MAY	18 JUN	31 JUL	27 AUG	2 SEP

KAF	298.814	420.046	915.584	881.269	566.646
587.850	978.639	2355.208	1846.440	782.808	316.170
611.612					

PROCESSED

OCT 25 1993

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	5324.470	14.588	59.100	19 MAY	2.690
2 SEP	10561.090				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1992

MAR	DAY	APR	OCT	MAY	NOV	JUN	DEC	JUL	JAN	AUG	FEB	SEP
8.360	1	8.219	3.556	39.919	2.965	23.704	7.851	5.318	4.421	3.377	5.968	3.399
8.593	2	8.840	3.062	35.170	3.105	23.083	7.648	5.406	4.353	3.300	5.981	3.406
9.119	3	9.913	2.991	32.262	3.307	22.781	9.967	5.834	4.149	3.214	5.848	3.405
9.580	4	11.686	2.971	31.678	3.084	21.905	12.416	5.389	4.054	3.107	5.453	3.528
10.188	5	13.123	2.957	32.532	3.309	31.911	12.436	11.954	4.188	3.076	5.050	3.624
9.819	6	11.857	2.957	32.959	5.053	33.379	12.902	14.429	4.227	3.063	4.712	4.005
9.217	7	10.673	2.980	35.756	5.905	33.073	14.676	14.705	4.289	2.982	4.534	4.115
9.115	8	9.689	2.986	36.347	4.902	32.127	13.909	15.755	4.231	3.315	4.474	3.954
8.876	9	9.445	2.971	36.435	4.295	26.890	12.993	15.274	4.116	3.405	4.454	3.704
8.476	10	11.593	2.963	32.726	4.795	9.997	10.063	14.942	4.080	3.429	4.376	7.162
8.049	11	15.078	2.957	29.727	4.787	8.316	6.272	14.622	4.108	3.419	4.301	12.867
7.804	12	13.474	2.948	20.500	4.321	8.328	8.783	7.660	4.091	- .999	4.352	12.588
7.732	13	13.282	2.957	17.069	5.186	8.491	6.303	5.210	4.127	3.281	4.387	12.534
7.857	14	14.286	2.938	35.921	7.170	9.352	5.845	4.836	4.101	3.244	4.544	12.637
	15		2.922		5.671		5.125		4.079		4.757	

OCT 25 1993

8.230	15.545	39.619	8.728	19.751	3.242	12.704
16	2.912	4.875	4.531	4.147	4.824	
8.869	15.289	40.230	7.803	23.701	3.263	12.558
17	2.938	4.182	4.191	4.199	4.808	
9.876	15.129	22.529	7.660	23.510	3.266	12.530
18	2.946	5.582	4.333	3.419	4.683	
11.609	20.312	17.455	7.988	15.037	3.501	
12.512						
19	2.971	8.674	4.899	3.084	4.760	
10.690	19.057	18.790	7.143	5.366	3.789	
12.406						
20	3.002	10.286	5.415	2.836	7.955	
9.803	17.316	21.034	6.599	3.803	3.815	9.094
21	2.985	10.789	4.719	2.576	10.361	
9.191	16.370	28.148	6.518	4.268	3.751	2.643
22	3.009	10.353	4.521	2.565	10.052	
8.667	24.428	26.492	6.049	4.926	3.840	2.616
23	3.103	8.047	4.525	2.940	9.945	
8.255	27.120	24.881	5.703	4.855	3.869	2.597
24	3.197	7.662	4.663	3.425	10.013	
8.029	25.653	24.640	5.390	5.098	4.430	2.697
25	3.168	7.709	4.607	3.915	10.136	
7.827	24.693	25.033	5.124	5.030	4.284	3.614
26	3.163	9.647	4.465	4.105	9.417	
7.768	24.498	28.170	4.955	4.438	3.805	6.633
27	3.257	9.993	4.297	3.921	8.916	
7.860	19.068	31.470	5.479	4.108	3.664	5.339
28	3.430	9.318	4.113	5.076	8.564	
8.276	18.223	28.804	5.345	3.860	3.581	4.264
29	3.346	8.700	4.067	6.585	8.397	
8.209	20.887	26.318	5.117	3.679	3.534	4.022
30	3.223	8.262	4.109	6.792	---	
7.862	25.522	26.194	5.434	3.538	3.488	3.781
31	3.089	---	4.311	6.249	---	
7.811	---	24.854	---	3.452	3.441	--

TOTAL	94.855	191.934	218.955	128.448	186.022
271.617	490.268	903.662	394.372	279.754	
MEAN	3.060	6.398	7.063	4.143	6.415
8.762	16.342	29.150	13.146	9.024	
MAX DAY	3.556	10.789	14.676	6.792	10.361
11.609	27.120	40.230	33.379	23.701	
	1 OCT	21 NOV	7 DEC	30 JAN	21 FEB 18
MAR 23	APR 16	MAY 6	JUN 16	JUL	
MIN DAY	2.912	2.965	4.067	2.565	4.301
7.732	8.219	17.069	4.955	3.452	
	16 OCT	1 NOV	29 DEC	22 JAN	11 FEB 13
MAR 1	APR 13	MAY 26	JUN 31	JUL	

MICROFILMED

OCT 25 1993

KAF	188.145	380.701	434.297	254.777	368.975
538.752	972.447	1792.414	782.237	554.892	

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	3159.887	10.360	40.230	16 MAY	2.565
22 JAN	6267.636				

USGS GAGE NUMBER 13342500

SPALDING - OBSERVED MEAN DAILY DISCHARGE
IN KCFS

WATER YEAR 1993

MAR	DAY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
	1	3.598	3.729	-.999	-.999	-.999	-.999					
-.999	2	3.490	4.128	-.999	-.999	-.999	-.999					
-.999	3	3.380	4.796	-.999	-.999	-.999	-.999					
-.999	4	3.306	4.273	-.999	-.999	-.999	-.999					
-.999	5	3.706	3.871	-.999	-.999	-.999	-.999					
-.999	6	3.641	3.769	-.999	-.999	-.999	-.999					
-.999	7	3.408	3.734	-.999	-.999	-.999	-.999					
-.999	8	3.337	4.106	-.999	-.999	-.999	-.999					
-.999	9	3.167	4.734	-.999	-.999	-.999	-.999					
-.999	10	3.093	4.517	-.999	-.999	-.999	-.999					
-.999	11	3.043	4.107	-.999	-.999	-.999	-.999					

OCT 25 1993

12	2.994	3.817	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
13	2.976	3.700	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
14	3.003	3.844	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
15	3.422	3.909	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
16	3.301	3.836	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
17	3.152	3.817	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
18	3.104	3.782	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
19	3.156	3.844	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
20	3.139	3.910	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
21	3.067	3.812	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
22	3.053	3.751	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
23	3.069	3.879	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
24	3.050	4.000	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
25	2.979	3.521	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
26	2.938	2.908	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
27	2.890	2.534	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
28	2.848	2.744	-.999	-.999	-.999
-.999	-.999	-.999	-.999	-.999	-.999
29	2.856	3.929	-.999	-.999	---
-.999	-.999	-.999	-.999	-.999	-.999
30	3.045	3.804	-.999	-.999	---
-.999	-.999	-.999	-.999	-.999	-.999
31	3.351	---	-.999	-.999	---
-.999	---	-.999	---	-.999	--

TOTAL	98.562	115.105
MEAN	3.179	3.837
MAX DAY	3.706	4.796
	5 OCT	3 NOV
MIN DAY	2.848	2.534
	28 OCT	27 NOV

UNRECORDED

OCT 25 1993

KAF 195.498 228.311

WATER YEAR	TOTAL	MEAN	MAXIMUM	DAY	MINIMUM
DAY	KAF				
SUMMARY	213.667	3.503	4.796	3 NOV	2.534
27 NOV	423.809				

USGS GAGE NUMBER 13342500

RECEIVED

OCT 25 1993

86-07324

CITY OF LEWISTON
PO BOX 617
LEWISTON, ID 83501

Source: CLEARWATER RIVER

Tributary: SNAKE RIVER

Diversion Pt: SENW Sec 27 T 36N R 05W
 SWSE Sec 27 T 36N R 05W in NEZ PERCE County.

Use: IRRIGATION	(.400 CFS)
STOCKWATER	(.020 CFS)
INDUSTRIAL	(1.400 CFS)
COMMERCIAL	(.570 CFS)
MUNICIPAL	(6.200 CFS)
MUNICIPAL	(18.600 CFS)
DOMESTIC	(.240 CFS)
Total Diversion:	(18.600 CFS)

Date Filed: 4/28/1993

In: NEZ PERCE County

T35N R04W S17	NWSW	SESW		
S18	SENE	NESW	NWSW	SESW
	NESE	NWSE		
S19	NWNE			
R05W S04	NWNW			
S13	NESE	SESE		
S22	NESW	NWSW		
R06W S12	NENW			
S13	NWNW			
S24	NENE	NWNE		
T36N R05W S29	NESE			
S30	NWNE	SWNE		
S33	NWSW	SWSW		

20.0 ACRES TOTAL

MUNICIPAL USE IS LOCATED WITHIN THE CITY LIMITS OF LEWISTON.

RECORDED

OCT 25 1993

NOTICE OF APPLICATION FOR WATER RIGHT

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

35-07593

STATE OF IDAHO
DEPT. OF FISH AND GAME

PO BOX 25

BOISE, ID 83720
Source: CLEARWATER RIVER, NORTH FORK
Tributary: CLEARWATER RIVER

Division: Pt. NENW, Sec. 35 T. 37N R. 01E in CLEARWATER County

Use: FISH PROPAGATION (89,000 CFS)
Total Diversion: (89,000 CFS)

Date Filed: 5/6/1993
In: CLEARWATER County

T37N R01E S33 NESE
S34 NWSW

88-07324
CITY OF LEWISTON
PO Box 617

LEWISTON, ID 83501
Source: CLEARWATER RIVER

Tributary: SNAKE RIVER
Division: Pt. SENW, Sec. 27 T. 36N R. 05W

SWSE, Sec. 27 T. 36N R. 05W in NEZ PERCE County

Use: IRRIGATION (400 CFS)
STOCKWATER (020 CFS)

INDUSTRIAL (1,400 CFS)
COMMERCIAL (0.570 CFS)

MUNICIPAL (6,200 CFS)
MUNICIPAL (18,600 CFS)

DOMESTIC (240 CFS)
Total Diversion: (18,600 CFS)

Date Filed: 4/28/1993
In: NEZ PERCE County

T35N R04W S17 NWSW
SESW

S18 SENE NESW NWSW
SESW

NESE NWSE
S19 NWNE

R05W S04 NWNW
S13 NESE SESE

S22 NESW NWSW
R06W S12 NENW

S13 NWNW
S24 NENE NWNE

T36N R05W S29 NESE
S30 NWNE SWNE

S33 NWSW SWSW
20.0 ACRES TOTAL

MUNICIPAL USE IS LOCATED WITHIN THE CITY LIMITS OF LEWISTON

For additional information concerning the property location, call the Northern Regional Office at (208) 768-1450.

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources,

Northern Region, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, Idaho 83814 on or before

AUGUST 23, 1993.
R. KEITH HIGGINSON

Director
PUBLISHED: 8/5/1993

Affidavit of Publication

STATE OF IDAHO

COUNTY OF TWIN FALLS } SS.

Nº 25103

1. Linda Capps McReine being first duly sworn upon oath, depose and say that I am Print Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for Two consecutive Weeks, commencing with the issue dated August 5, 1993, and ending with the issue dated August 12, 1993.

And I do further certify that said newspaper is a consolidation, effective February 16, 1942, of the Idaho Evening Times, published theretofore daily except Sunday, and the Twin Falls News, published theretofore daily except Monday, both of which newspapers prior to consolidation had been published under said names in said city and county continuously and uninterruptedly during a period of more than twelve consecutive months, and said TIMES-NEWS, since such consolidation, has been published as a daily newspaper except Saturday, until July 31, 1978, at which time said newspaper began daily publication under said name in said city and county continuously and uninterruptedly.

And I further certify that pursuant to Section 60-108 Idaho Code, Thursday of each week has been designated as the day on which legal notice by law or by order of any court of competent jurisdiction within the state of Idaho, to be published weekly, will be published; and that at the head of the editorial column of said combined newspapers, and in each issue thereof, Thursday is announced as the day on which said legal notices will be published.

STATE OF IDAHO
COUNTY OF TWIN FALLS

On this 1 day of September in the year of 1993, before me, a Notary Public, personally appeared Linda Capps McReine known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Leva R. Feltman
Notary Public for Idaho

Residing at Twin Falls

My commission expires: 5/19/94

[Handwritten signature]
9/20/93

[Handwritten signature]

OCT 25 1993

**NOTICE OF APPLICATION
FOR WATER RIGHT**

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

85-07593

STATE OF IDAHO
DEPT OF FISH AND GAME
PO BOX 25
BOISE ID 83720
Source: CLEARWATER RIVER, NORTH
FORK

Tributary: CLEARWATER RIVER
Diversion Pt: NENW Sec 35 T 37N R 01E
in CLEARWATER County.
Use: FISH PROPAGATION (89.000
CFS)

Total Diversion: (89.000 CFS)

Date Filed: 5/6/1993

In: CLEARWATER County
T37N R01E S33 NESE
S34 NWSW

86-07324

CITY OF LEWISTON
PO BOX 617
LEWISTON, ID 83501
Source: CLEARWATER RIVER
Tributary: SNAKE RIVER
Diversion Pt: SENW Sec 27 T 36N R 05W
SWSE Sec 27 T 36N R 05W in NEZ PER-
CE County.

Use: IRRIGATION (.400 CFS)

STOCKWATER (.020 CFS)

INDUSTRIAL (1.400 CFS)

COMMERCIAL (.570 CFS)

MUNICIPAL (6.200 CFS)

MUNICIPAL (18.600 CFS)

DOMESTIC (.240 CFS)

Total Diversion: (18.600 CFS)

Date Filed: 4/28/1993

In: NEZ PERCE County
T35N R04W S17 NWSW SESW
S18 SENE NESW NWSW SESW NESE
NWSE

S19 NWNE

R05W S04 NWNW

S13 NESE SESE

S22 NESW NWSW

R06W S12 NENW

S13 NWNW

S24 NENE NWNE

T36N R05W S29 NESE

S30 NWNE SWNE

S33 NWSW SWSW

20.0 ACRES TOTAL

MUNICIPAL USE IS LOCATED WITH-
IN THE CITY LIMITS OF LEWISTON.

For additional information concerning
the property location, call the Northern
Regional Office at (208) 769-1450.

The permit(s) will be subject to all prior
water rights. Protests must be filed with
the Director, Dept. of Water Resources,
Northern Region, 1910 Northwest Blvd.,
Suite 210, Coeur d'Alene, Idaho 83814 on
or before AUGUST 23, 1993.

R. KEITH HIGGINSON, Director
Published: August 5, 12, 1993

*see other
side for
affidavit*

RECORDED

OCT 25 1993

Proof of Publication

The Post-Register

State of Idaho, }
County of Bonneville } ss

I, S. BOB BRIGHT or TED DELEZENE, first being duly sworn, depose and say: That I am the Production Supervisor or Asst. Prod. Supervisor of The Post Company, a corporation of Idaho Falls, Bonneville County, Idaho, publishers of The Post-Register, a newspaper of general circulation, published daily, except Saturday, at Idaho Falls, Idaho; said Post-Register being a consolidation of the Idaho Falls Times, established in the year 1890, The Idaho Register, established in the year 1880 and the Idaho Falls Post, established in 1903, such consolidation being made on the 1st day of November, 1931, and each of said newspapers have been published continuously and uninterruptedly, prior to consolidation, for more than seventy-eight (78) weeks and said Post-Register having been published continuously and uninterruptedly from the date of such consolidation, up to and including the last publication of notice hereinafter referred to.

That the notice, of which a copy is hereto attached and made a part of this affidavit, was published in said Post-Register for two consecutive weeks, first publication having been made on the 5th day of August, 1993, last publication having been made on the 12th day of August, 1993, and that the said notice was published in the regular and entire issue of said paper on the respective dates of publication, and that such notice was published in the newspaper and not in a supplement.

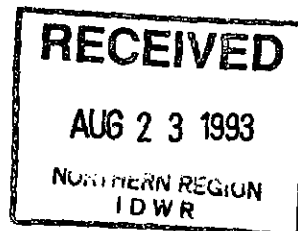
Subscribed and sworn to before me, this 18th day of August, 1993.

Ted Delezene

Susan Magrann
Notary Public

My commission expires July 1, 1997.

B10



NOTARY PUBLIC

OCT 25 1993

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

138.00

Account Number 100631		Identification NOTICE OF APPLICATION FOR WATER RIGHT	
Ordered By Patricia M. Stypa	P.O. Number	Rate NT	Run Dates August 5, 12, 1993
State of Idaho Department of Water Resources Northern Region 1910 Northwest Boulevard, Suite 211 Coeur d'Alene, Idaho 83814		Estimated Inches. # Affidavits 1	Real Inches Legal Number 5579

LEGAL NOTICE

NOTICE OF APPLICATION FOR WATER RIGHT

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

85-07593

STATE OF IDAHO
DEPT. OF FISH AND GAME
PO BOX 25
BOISE, ID 83720

Source: CLEARWATER RIVER, NORTH FORK
Tributary: CLEARWATER RIVER
Diversión Pt: NENW Sec 35 T 37N R 01E in CLEARWATER County.
Use: FISH PROPAGATION (89,000 CFS)
Total Diversión: (89,000 CFS)
Date Filed: 5/ 6/1993

In: CLEARWATER County
T37N R01E S33 NESE
S34 NWSW

86-07324

CITY OF LEWISTON
PO BOX 617
LEWISTON, ID 83501

Source: CLEARWATER RIVER Tributary: SNAKE RIVER
Diversión Pt: SENW Sec 27 T 36N R 05W
SWSE Sec 27 T 36N R 05W in NEZ PERCE County-

Use: IRRIGATION (.400 CFS)
STOCKWATER (.020 CFS)
INDUSTRIAL (1.400 CFS)
COMMERCIAL (.570 CFS)
MUNICIPAL (6.200 CFS)
MUNICIPAL (18.600 CFS)
DOMESTIC (.240 CFS)
Total Diversión: (18.600 CFS)
Date Filed: 4/28/1993.

In: NEZ PERCE County
T35N R04W S17 NWSW SESW
S18 SENE NESW NWSW SESW
NESE NWSE
S19 NWNE
R05W S04 NWNW
S13 NESE SESE
S22 NESW NWSW
R06W S12 NENW
S13 NWNW
S24 NENE NWNE
T36N R05W S29 NESE
S30 NWNE SWNE
S33 NWSW SWSW

20.0 ACRES TOTAL
MUNICIPAL USE IS LOCATED WITHIN THE CITY LIMITS OF LEWISTON.

For additional information concerning the property location, call the Northern Regional Office at (208) 769-1450.

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources Northern Region, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, Idaho 83814 on or before AUGUST 23, 1993.

R. KEITH HIGGINSON, Director
Pub. August 5, 12, 1993

CULPAN

, being duly sworn, that she is the Principal Clerk of The newspaper printed and published at Boise, Idaho, and having a general circulation therein, she has been continuously and uninterruptedly publishing during a period of twelve consecutive publications of the notice, a copy of which is attached to this notice was published in The Idaho Statesman with Section 60-108, Idaho Code as

☐ consecutive daily ☐ single ☐ odd skip

with the issue of AUGUST 5, 1993

of AUGUST 12, 1993

C. Payne-Culpan

ss.

day of AUGUST in the year of 1993, a Notary Public, personally appeared CULPAN, known or identified to me by name subscribed to the within instrument, and she has sworn, declared that the statements therein are true to me that she executed the same.

Public for Idaho

BOISE, ID

ing at

Commission expires:

11-27-93

OCT 25 1993

5579

The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

138.00

Account Number 100631		Identification NOTICE OF APPLICATION FOR WATER RIGHT	
Ordered By Patricia M. Stypa	P.O. Number	Rate NT	Run Dates August 5, 12, 1993
State of Idaho Department of Water Resources Northern Region 1910 Northwest Boulevard, Suite 211 Coeur d'Alene, Idaho 83814		Estimated Inches.	Real Inches
		# Affidavits 1	Legal Number 5579

NOTICE The Following application for water of the State

STATE OF IDAHO
DEPT. OF FISH & GAME
PO BOX 25
BOISE, ID 83720
Source:
Tributary:
Diversion Pt: NEN
Use: FISH PROPAG

Date Filed:
In: CLEARWATER
T37N R01E S33
S34

CITY OF LEWISTON
PO BOX 617
LEWISTON, ID 83505
Source: CLEARWATER
Diversion Pt: SENECA

Use: IRRIGATION
STOCKWATER
INDUSTRIAL
COMMERCIAL
MUNICIPAL
MUNICIPAL
DOMESTIC

Date Filed:
In: NEZ PERCE C
T35N R04W S1

S1 BLIMPIE
R05W S0W taking applications.
S1st be 18. Apply at:
S2 Fairview.
R06W S1E PARK SUITE HOTEL
S1st be 18. Apply at:
S2 Fairview.
T36N R05W S29
S30 in person, 424 E.
S33enter Blvd. EOE

20.0 ACRES TCR at \$4.25/hr.; cashier
MUNICIPAL USE IS \$15/hr. Good work envi-
ISTON.
For additional info: The Statehouse Inn,
Northern Regional Grove St. No phone
The permit(s) will, please.
filed with the Director of Water Resources
Northwest Blvd., Suite 211, Coeur d'Alene,
AUGUST 23, 1993.
R. KEITH
Pub. August 5, 12,

ETARY/Recep. PT. 20
Phones, li. bookkeep-
/PS.1 & Quicken exper.
to: Office Mgr. 1310
Ave. Boise 83705.

Marketing
TANT MGR. 3-9 or 5-9.
Sal. 9-1. \$6/hr. + bo-
all Paula at 376-8003

Clerk/Loan Processor
\$1150/mo. + benefits
y. ProStaff, 345-5747
Shoreline Dr., Ste. 123

JR Bookstore seeks
Bookkeeper. Refs.
all aft 6 p.m. 939-1313

HELP!!!
ERICAL DELIVERY
ion needed. Must be
to type 50 wpm, 10-
calculator, excellent
ing record, excellent
ilities. Call Diane for
375-4470.

CE CO. seeking F/T
idual with telemar-
g & computer data
maintenance exper.
ires skills at bldg.
e relationships. Com-
ation DOE. Send re-
with salary history
SWSBox #D361, c/o The
to Statesman, P.O. Box
Boise, ID 83707.

ICE MANAGER &
sperson needed. Both
Wages negotiable.
irts Exchange, 1033
adway, 385-0440.

Office Clerk— Good
mmunications and or-
izational skills, previl-
exper. helpful. After-
ns only, M-F. Apply at:
E. 1st, Meridian.

Restaurant/Lounge/
Hotel

S1 BLIMPIE
R05W S0W taking applications.
S1st be 18. Apply at:
S2 Fairview.
R06W S1E PARK SUITE HOTEL
S1st be 18. Apply at:
S2 Fairview.
T36N R05W S29
S30 in person, 424 E.
S33enter Blvd. EOE

20.0 ACRES TCR at \$4.25/hr.; cashier
MUNICIPAL USE IS \$15/hr. Good work envi-
ISTON.
For additional info: The Statehouse Inn,
Northern Regional Grove St. No phone
The permit(s) will, please.
filed with the Director of Water Resources
Northwest Blvd., Suite 211, Coeur d'Alene,
AUGUST 23, 1993.
R. KEITH
Pub. August 5, 12,

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CAROL PAYNE-CULPAN

, being duly
sworn, deposes and says: That she is the Principal Clerk of The
Idaho Statesman, a daily newspaper printed and published at Boise,
Ada County, State of Idaho, and having a general circulation therein
and which said newspaper has been continuously and uninterruptedly
published in said County during a period of twelve consecutive
months prior to the first publication of the notice, a copy of which is
attached hereto; that said notice was published in The Idaho
Statesman in conformity with Section 60-108, Idaho Code as
amended, for TWO

consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip
insertion(s) beginning with the issue of AUGUST 5, 1993
and ending with the issue of AUGUST 12, 1993

Carol Payne-Culpan

STATE OF IDAHO)
COUNTY OF ADA)

On this 12TH day of AUGUST in the year of 1993, before me, a Notary Public, personally appeared CAROL PAYNE-CULPAN, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.

Carol Payne-Culpan
Notary Public for Idaho
Residing at BOISE, ID
My commission expires: 11-27-93

OCT 25 1993

TRIBUNE PUBLISHING COMPANY, INC.
The Lewiston Morning Tribune
505 C St., P.O. Box 957
Lewiston, Idaho 83501
(208) 743-9411

Date _____ INVOICE NO. _____
Account No. 964750 07593
Description 77233NOTIC
Times 2 Lines 63
Tab Lines _____

LEGAL ADVERTISING INVOICE

SOLD TO:

DEPT OF WATER RESOURCES
1910 NORTHWEST BLVD. 210
COEUR D'ALE
ID 83814

\$ 157.50

NOTICE: This is an invoice of Purchase made by you. Statement will be rendered the first of the month.
Please Retain This Invoice as Your Statement Will Refer To Invoice by No. Only.

NOTICE OF APPLICATION FOR WATER RIGHT

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

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE, IDAHO 83720
Source: CLEARWATER RIVER, NORTH FORK

Diversion Pt.: NENW Sec 35 T 37N R 01E in CLEARWATER County
Use: FISH PROPOGATION

Total Diversion: (89,000 CFS)
Date Filed: 5/6/1993
In: CLEARWATER County
T37N R01E S33 NESE
S34 NWSW
86-07324

CITY OF LEWISTON
P.O. BOX 617
LEWISTON, ID 83501

Source: CLEARWATER RIVER
Diversion Pt.: SENW Sec 27 T 36N R 05W
Use: IRRIGATION

STOCKWATER
INDUSTRIAL
COMMERCIAL
MUNICIPAL
DOMESTIC
Total Diversion: (400 CFS)
Date Filed: 4/28/1993
In: NEZ PERCE County
T35N R04W S17
T35N R04W S18
T35N R05W S19
T35N R05W S04
T35N R05W S13
T35N R05W S22
T35N R05W S12
T35N R05W S13
T35N R05W S24
T35N R05W S29
T35N R05W S30
T35N R05W S33

NEZ PERCE County
T35N R04W S17
T35N R04W S18
T35N R05W S19
T35N R05W S04
T35N R05W S13
T35N R05W S22
T35N R05W S12
T35N R05W S13
T35N R05W S24
T35N R05W S29
T35N R05W S30
T35N R05W S33

20.0 ACRES TOTAL
MUNICIPAL USE IS LOCATED WITHIN THE CITY LIMITS OF LEWISTON.

NOTICE OF CORRECTION
NOTICE IS HEREBY GIVEN THAT APPLICATION FOR PERMIT NO. 85-7589 in the name of Gregory J. Dillon was advertised incorrectly on May 20 & 27, 1993.

One use did not include an amount of water. It should correctly be shown as Fish Prop. Storage (0.68A/F).
(For additional information concerning the property location, call the Northern Regional Office at 765-4639.)

Protests to the above-referenced correction must be filed with the Director, Dept. of Water Resources, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, ID 83814 on or before August 23, 1993.

Published in the Lewiston Morning Tribune on August 5 and 12, 1993.

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, ss.
County of Nez Perce

Karen J. Lewis, being duly sworn, poses and says, I am the Legal Clerk of the Tribune Publishing Company, a corporation organized and existing under and by virtue of the laws of the State of Idaho, publishers of the WISTON MORNING TRIBUNE, a newspaper of general circulation published at Lewiston, Nez Perce County, Idaho; That the said Lewiston Morning Tribune is an established paper and has been published regularly and issued regularly at least once a day for more than 21 consecutive years next immediately preceding the first publication of this notice, and has been so published uninterrupted for said period; that the

NOTICE OF APPLICATION attached hereto and which is made a part of this affidavit was published in said Lewiston Morning Tribune, 2 time(s). Publication began on 080593, or once a WEEK for 2 consecutive WEEKS the first publication thereof being on the 080593, and the last publication thereof being on the 081293, and said NOTICE OF APPLICATION

was so published in the regular and entire issue of said newspaper and in a supplement thereof and was so published in every issue and number of the said paper, during the period and times of publication as forth above.

Karen J. Lewis
SUBSCRIBED AND SWORN BEFORE ME THIS THE 13 of August 1993

Sherral M. Lentz
Notary Public in and for the State of Idaho, residing at Lewiston, therein.

Commission expires 6-6-97
OCT 25 1993



State of Idaho
DEPARTMENT OF WATER RESOURCES
NORTHERN REGION, Suite No. 210 • 1910 Northwest Blvd. • Coeur d'Alene, Idaho 83814-2615

(208) 769-1450

~~(208) 765-4439 • fax (208) 765-2088~~

Fax (208) 769-1454

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

July 29, 1993

City of Lewiston
PO Box 617
Lewiston, Id. 83501

Gentlemen:

Subject: Water Application for Permit Number 86-7324.

The Idaho Department of Water Resources hereby acknowledges receipt of the above-referenced Application for Permit to Appropriate the Public Waters of the State of Idaho. Enclosed is Receipt Number N6482. Please refer to your Application for Permit Number in future matters concerning this water right application.

Your Application for Permit is currently being prepared for advertising in the local county newspaper. The advertisement will be published for two consecutive weeks followed by a waiting period of ten days to allow for submittal of protests.

If your application is not protested, it will be forwarded to Boise for processing. Normal processing time is approximately 3 to 4 months, if the application is not protested. If your Application for Permit is protested, you will be sent a copy of the protest and instructions to aid you in resolving the protest without a hearing. All protests must be resolved before your Application for Permit can be approved. If the protest is not resolved, this Department will conduct a conference and/or hearing on the matter.

You will receive your approved Application for Permit and instructions on filing the Proof of Beneficial Use from our State Office in Boise.

If your Application for Permit is for a well (groundwater) that was constructed after July 1, 1987, you must apply for a well drilling permit upon approval of your Application for Permit if no permit was obtained by previous owners to construct the well. Well Drilling Permits can only be issued by this office to holders of approved Applications for Permit.

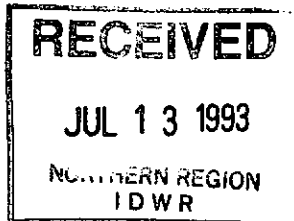
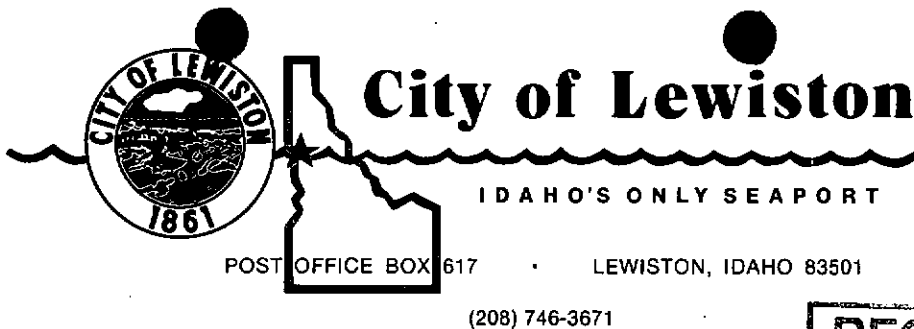
If I can be of further assistance, please feel free to contact me at this office.

Sincerely,

ALLEN BEARDSLEE
Senior Water Resource Agent

MICROFILMED

OCT 25 1993



July 12, 1993

Mr. Allen Beardsley
Water Resources Dept.
State of Idaho
1910 N W Blvd.
Couer d'Alene, ID 83814

Mr. Beardsley:

The following is a best estimate for water usage at the locations requested:

Rest Home	40 gpm (LOID)
Fire Station	15 gpm (LOID)
Lewiston Livestock	Not greater than 80 gpm
Hell's Gate	Not greater than 120 gpm
Blount - 1023 Snake River	" " " 60 gpm
Blount - 20th St. & Snake River	" greater than 450 gpm
Blount - Southport	" " " 100 gpm

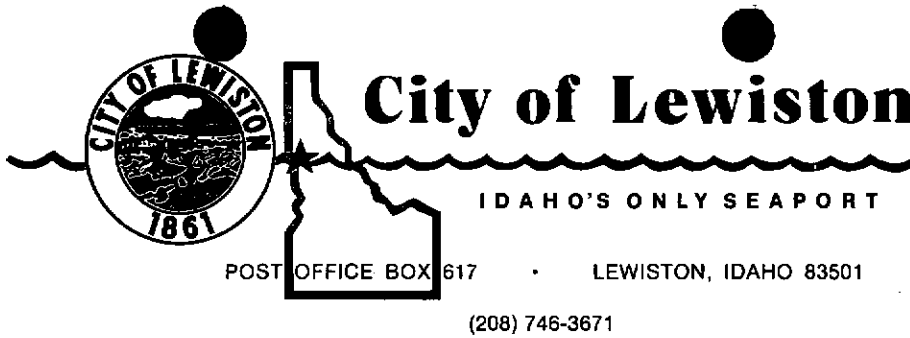
If this information is not adequate, please let me know.

Sincerely,

David M. Six,
Water Systems Manager

MICROFILMED

OCT 25 1993



May 7, 1993

Dear Allen:

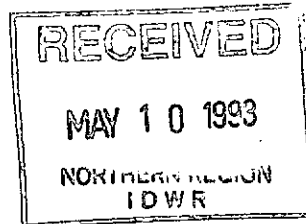
Enclosed is map of outside City services showing Hellsgate, Blount, Lewiston Livestock, Rest Home and Fire Station, etc. Print-outs for water usage enclosed as well.

If you have any questions, please feel free to call me.

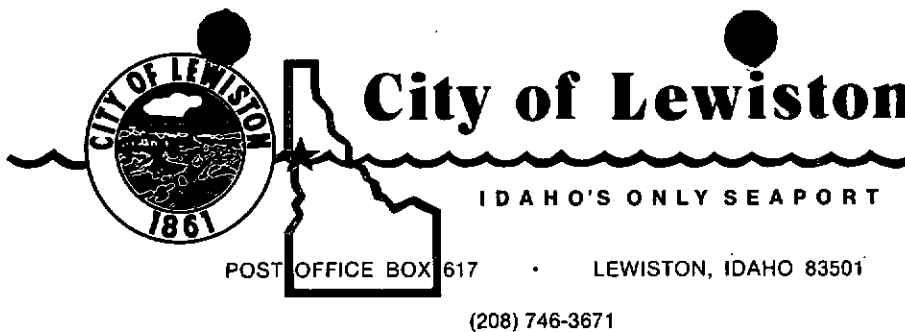
Thanks.

Dave

743-7461

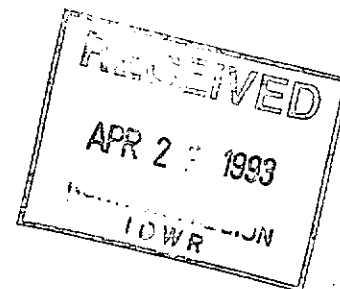


MAY 10 1993



April 15, 1993

Mr. Allen Beardsley
Water Resources Dept.
State of Idaho
1910 NW Blvd.
Couer d'Alene, ID 83814



RE: Water Appropriation

Dear Mr. Beardsley:

Enclosed you will find an application for permit to appropriate the public waters of the State of Idaho. Our goal was to have the application completed and accompanied by all necessary documentation. Should we lack any information, please contact us.

The following is a list of enclosures:

1. Application for water appropriation.
2. USGS map of the area involved.
3. 1991 Audit Report dealing with indebtedness and Bond capacity.
4. Copies of the proposed water treatment plant construction estimates from the "Water Master Plan".
5. Letters of comment from the below listed agencies:
 - (1) Department of Environmental Quality
 - (2) Department of Fish and Game
 - (3) Red Rock Irrigation District
 - (4) Nez Perce County
 - (5) Lewiston Orchards Irrigation District

Additional information requirements requested by Section 4.5 of the Water Appropriation Rules and Regulations, Oct. 1986 are as follows:

- | | |
|---|------------------|
| (1) Water requirements of the proposed project | - 18.6 CFS/12MGD |
| (2) Required diversion rate during peak use period | - 12.4 CFS/8MGD |
| (3) Required diversion rate during average use period | - 6.2 CFS/4MGD |
| (4) Peak use required period mid May to mid October | |
| (5) Average use required period January - December | |
| (6) Volume to be diverted & used/year | |
| 8 med. peak | 1200 MG/1860 CFS |
| 4 med. avg. | 1460 MG/2263 CFS |
| TOTAL | 2660 MG/4123 CFS |

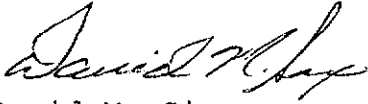
OCT 25 1993

April 15, 1993
Mr. Allen Beardsley
RE: Water Appropriation

- (7) Number of City connections 5,200
- (8) Number of L.O.I.D. connections 6,200
- (9) Quantity of water available from Clearwater River - Clearwater River
flows @ Spalding metering station RE: Corps of Engineers

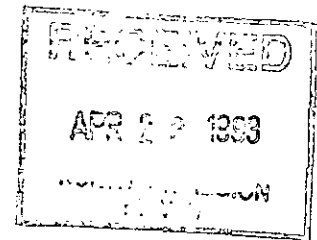
Should you require additional information or have questions concerning this application, please call me at (208) 743-7461.

Sincerely,



David M. Six
Water Systems Manager

DMS:cb



RECEIVED
OCT 15 1993

DETACH THIS PORTION BEFORE
DEPOSITING CHECK

CITY OF LEWISTON

VOUCHERS PAYABLE

26273

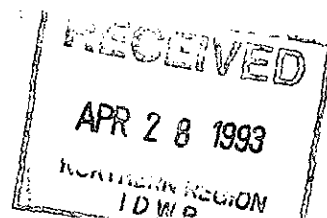
APRIL 21, 1993

43249 IDAHO DEPT OF WATER RESOURCES CHECK #: 26273

<u>DATE</u>	<u>ACCOUNT CODE</u>	<u>PO #</u>	<u>INVOICE #</u>	<u>GROSS AMOUNT</u>	<u>DISCOUNT AMOUNT</u>	<u>NET AMOUNT</u>
4/20/93	8-210-211-303-871	4443	PERMIT FEE	405.00		405.00
				NET AMOUNT OF CHECK		\$405.00

NOT RECORDED

OCT 25 1993





City of Lewiston

IDAHO'S ONLY SEAPORT

POST OFFICE BOX 617

LEWISTON, IDAHO 83501

(208) 746-3671

43249

TO: IDAHO DEPT OF WATER RESOURCES
1910 NORTHWEST BLVD, SUITE 210
COEUR D'ALENE ID 83814

DELIVER TO: WILL DELIVER CHECK

INVOICE TO: WATER DEPARTMENT

PURCHASE ORDER NO. 4443

DATE 4/20/93

DELIVERY REQUESTED BY

THE ABOVE PURCHASE ORDER NO. MUST APPEAR ON ALL
PACKAGES, INVOICES, PACKING LISTS AND B/L'S PERTAINING
TO THIS ORDER. A PACKING SLIP MUST ACCOMPANY EACH
SHIPMENT OR IT IS SUBJECT TO REFUSAL.

PURCHASE REQUISITION NO. 9536

IDAHO STATE TAX EXEMPTION NO. 23959

FEDERAL ID NO. 82-6000219

ACCOUNT CODE	QTY.	UNIT TYPE	ITEM DESCRIPTION	UNIT PRICE	EXTENSION	RCV'D
8-210-211-303-871			APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF IDAHO	405.00	405.00	
TOTAL					405.00	

BY SALE OF THE REQUESTED MATERIAL ABOVE, THE
VENDOR WARRANTS THAT ALL MATERIAL IS IN ACCORD
WITH AND CONFORMS TO ALL OSHA STANDARDS.

ALL MATERIALS ARE TO BE SHIPPED PREPAID - F.O.B.
LEWISTON - NO C.O.D. OR COLLECT SHIPMENTS WILL BE
ACCEPTED.

I HEREBY CERTIFY THAT THIS PURCHASE IS IN AGREEMENT
WITH THE REQUISITION ON FILE AUTHORIZING THE
EXPENDITURE AND IS PROPERLY APPROVED.

OCT 25 1993

Dale Bloom *4/20/93*
PURCHASING DATE

REC'D BY

DATE

FINANCE - APPROVED FOR PAYMENT

DATE

White - Vendor

Yellow - Accts. Payable

Gold - Dept./Div.

Pink - Receiving