

APPLICATION FOR PERMIT

JAN 27 1994

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

SURFACE WATER GROUND WATER

\$10.00 MINIMUM STATUTORY EXAMINATION FEE REQUIRED WITH APPLICATION

(GRAY BOXES FOR OFFICE USE ONLY)

APPLICATION NO. S431919	W.R.I.A. 30	COUNTY KLICKITAT	PRIORITY DATE 1/27/94	TIME	ACCEPTED mic
APPLICANT'S NAME - PLEASE PRINT (PUBLIC UTILITY DISTRICT No 1 of KLICKITAT COUNTY)				Bus. Tel. 509-773-5891	Home Tel.
ADDRESS (STREET) 1313 S COLUMBUS				(CITY) (GOLDENDALE)	(STATE) (WA)
				(ZIP CODE) 98620-9599	
DATE & PLACE OF INCORPORATION IF APPLICANT IS A CORPORATION					

1. SOURCE OF SUPPLY

IF SURFACE WATER	IF GROUND WATER
SOURCE (NAME OF STREAM, LAKE, SPRING, ETC.) (IF UNNAMED, SO STATE) (COLUMBIA RIVER)	SOURCE (WELL, TUNNEL, INFILTRATION TRENCH, ETC.)
TRIBUTARY	SIZE AND DEPTH

2. USE

USE TO WHICH WATER IS TO BE APPLIED (DOMESTIC SUPPLY, IRRIGATION, MINING, MANUFACTURING, ETC.)
POWER GENERATION

ENTER QUANTITY OF WATER REQUESTED USING UNITS OF: (800 CFS)	CUBIC FEET PER SECOND (CFS)	OR	GALLONS PER MINUTE (GPM)	ACRE FEET PER YEAR 600,000
TIMES DURING YEAR WATER WILL BE REQUIRED 12 MONTHS		(Hydropower)		

IF IRRIGATION, NUMBER OF ACRES	IF DOMESTIC USE, NUMBER OF UNITS BY TYPE, E.G. 1-HOME, 1-MOBILE HOME, 2-CAMPSITES, ETC.	IF MUNICIPAL USE, ESTIMATED POPULATION 20 YEARS FROM TODAY
DATE PROJECT WAS OR WILL BE STARTED 10/1/95	DATE PROJECT WAS OR WILL BE COMPLETED 3/1/98	

3. LOCATION OF POINT OF DIVERSION/WITHDRAWAL

3A. IF IN PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)	SECTION 36	TOWN 2N	RANGE 14E	ALSO, PLEASE ENCLOSE A COPY OF THE PLAT AND MARK THE POINT(S) OF WITHDRAWAL OR DIVERSION
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3B. IF NOT IN PLATTED PROPERTY

ON ACCOMPANYING SECTION MAPS, ACCURATELY MARK AND IDENTIFY EACH POINT OF DIVERSION, SHOW NORTH-SOUTH AND EAST-WEST DISTANCES FROM NEAREST SECTION CORNER OR PROPERTY CORNER

ALSO, ENTER BELOW THE DISTANCES FROM THE NEAREST SECTION OR PROPERTY CORNER TO THE DIVERSION OR WITHDRAWAL.
3960' NORTH AND 340' WEST OF THE SOUTHEAST CORNER OF

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) (the Dalles Dam being within)	SECTION 36	TOWNSHIP N. 2N	RANGE (E. OR W.) W.M. 13 1/2 E WM	COUNTY KLICKITAT
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Particular w/ Dom Swenson 8/23/94 mic

4. DO YOU OWN THE LAND ON WHICH THIS SOURCE IS LOCATED. IF NOT, INSERT NAME & ADDRESS OF OWNER
NO - US ARMY CORP OF ENGINEERS

5. LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

ATTACH A COPY OF THE LEGAL DESCRIPTION OF THE PROPERTY (ON WHICH THE WATER WILL BE USED) TAKEN FROM A REAL ESTATE CONTRACT, PROPERTY DEED OR TITLE INSURANCE POLICY, OR, COPY CAREFULLY IN THE SPACE BELOW.

THE DALLES DAM

WHAT IS YOUR INTEREST IN THE PROPERTY ON WHICH THE WATER IS TO BE USED (PROPERTY OWNER, LESSEE, CONTRACT PURCHASER, ETC.)

POTENTIAL FERC LICENCEE WILL WORK OUT JOINT TENANCY WITH CORP

ARE THERE ANY EXISTING WATER RIGHTS RELATED TO THE LAND ON WHICH THE WATER IS TO BE USED (INCLUDING WATER PROVIDED BY IRRIGATION DISTRICTS OR DITCH COMPANIES.)

[X] YES [] NO

IF YES, FROM WHAT SOURCE (i.e. SURFACE OR GROUND WATER) AND UNDER WHAT AUTHORITY

COLUMBIA RIVER CORP OF ENGINEERS USED FOR ICE AND TRASH

SLUICE WAY FOR THE DALLES DAM

6. DESCRIPTION OF SYSTEM PROPOSED OR INSTALLED

(FOR EXAMPLE: SIZE OF PUMP, CAPACITY OF PUMP, PUMP MOTOR HORSE POWER, PIPE DIAMETER, NUMBER OF SPRINKLERS, ETC.)

SEE ATTACHED EXHIBIT 1

REMARKS

7.

8.

COMPLETE THIS SECTION ONLY IF THIS APPLICATION INCLUDES IRRIGATION AS A USE

IN ORDER TO IMPLEMENT THE PROVISIONS OF INITIATIVE MEASURE NUMBER 59, THE FAMILY FARM WATER ACT WHICH WAS PASSED BY THE VOTERS ON NOVEMBER 3, 1977, WE MUST ASK THE FOLLOWING QUESTIONS:

DOES THE TOTAL NUMBER OF ACRES IN WHICH YOU HAVE CONTROLLING INTEREST IN THE STATE OF WASHINGTON EXCEED 2000 ACRES FOR THE FOLLOWING THREE CATEGORIES:

- 1. LANDS THAT ARE BEING IRRIGATED UNDER WATER RIGHTS ACQUIRED AFTER DECEMBER 8, 1977. YES [] NO [X]
2. LANDS THAT MAY BE IRRIGATED UNDER APPLICATIONS NOW ON FILE WITH THE DEPARTMENT OF ECOLOGY. YES [] NO [X]
3. LANDS THAT MAY BE IRRIGATED UNDER THIS APPLICATION. YES [] NO [X]

IF 10 ACRE-FEET OR MORE OF WATER IS TO BE STORED AND/OR IF THE WATER DEPTH WILL BE 10 FEET OR MORE AT THE DEEPEST POINT, A STORAGE PERMIT MUST BE FILED IN ADDITION TO THIS PERMIT. THESE FORMS CAN BE SECURED, TOGETHER WITH INSTRUCTIONS, FROM THE DEPARTMENT OF ECOLOGY.

SIGNATURES

[Signature] GEN MGR. PUD No 1 of KLICKITAT COUNTY 24th Jan '94

US ARMY CORP OF ENGINEERS LEGAL LANDOWNERS NAME (PLEASE PRINT)

LEGAL LANDOWNER'S SIGNATURE (OWNER OF PROPERTY DESCRIBED IN ITEM NUMBER 5) PO BOX 2946 PORTLAND OR 97208 LEGAL LANDOWNER'S ADDRESS

FOR OFFICE USE ONLY

STATE OF WASHINGTON }
DEPARATMENT OF ECOLOGY } ss.

This is to certify that I have examined this application together with the accompanying maps and data, and am returning it for correction or completion as follows:

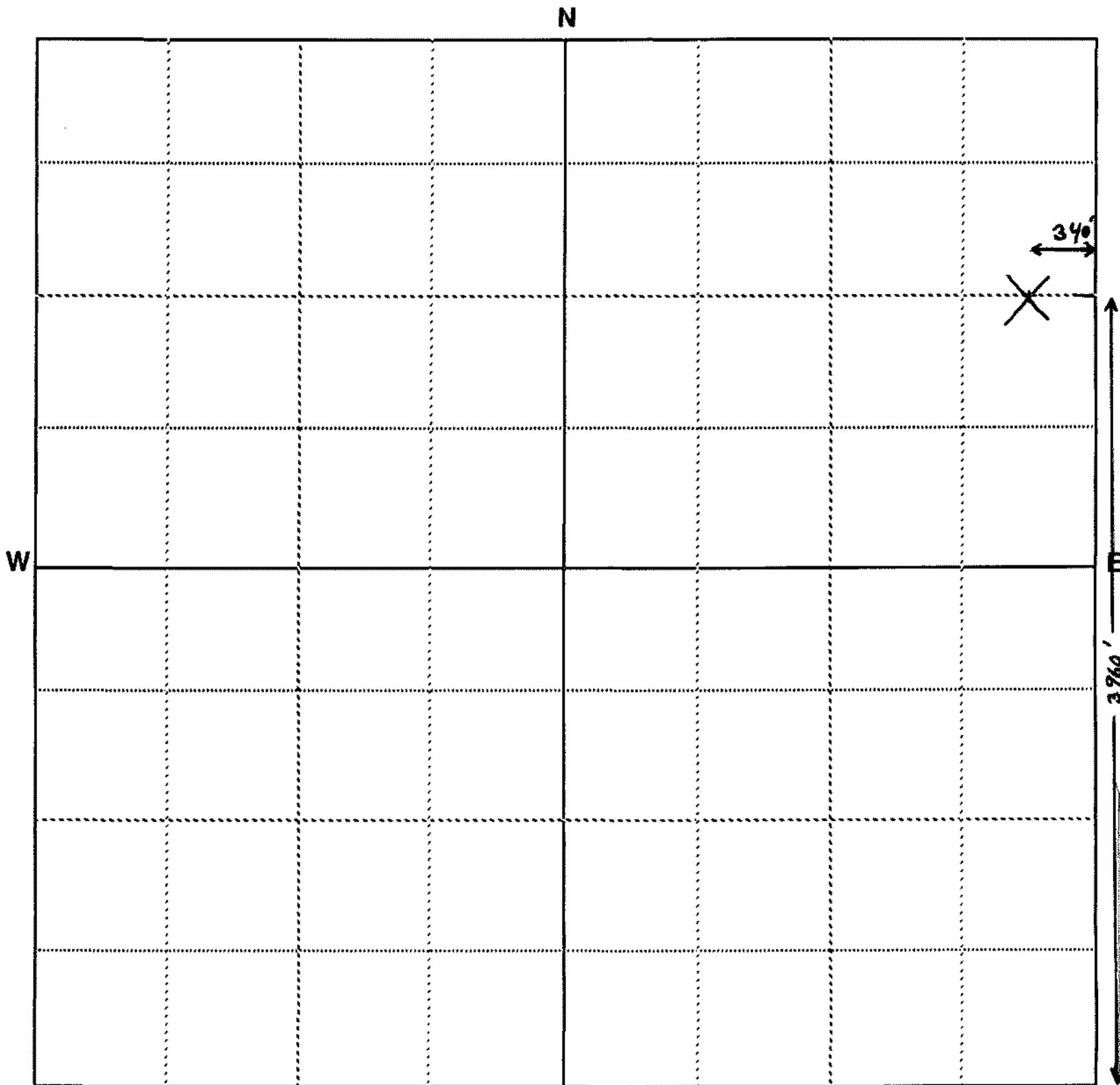
In order to retain its priority date, this application must be returned to the Department of Ecology, with corrections, on or before

Witness my hand this day of 19



SECTION MAP

Sec. 36 Twp. 2 N. R. 14



ODD SIZED SECTION USED SE CORNER AS POINT OF REFERENCE

Scale: 1 inch = 800 feet (each small square = 10 acres)

Show by a cross (X) the location of point of diversion (surface water source) or point of withdrawal (ground water source). For ground water applications, show by a circle (O) the locations of other wells or works within a quarter of a mile.

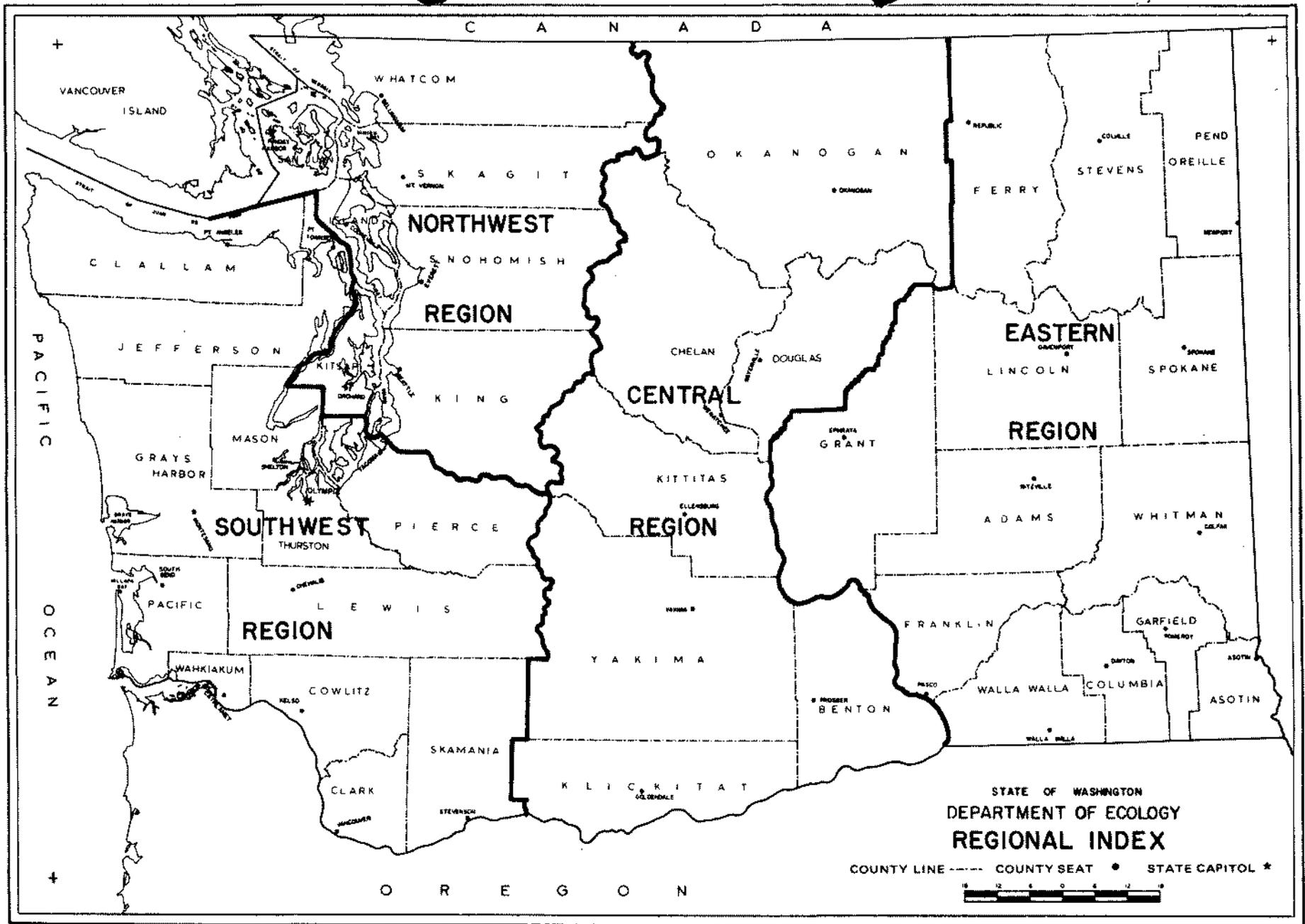
Indicate traveling directions from nearest town in space below.

3 MILES NE OF THE DALLES OREGON ALONG INTERSTATE

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Your water right application will be processed by the Regional Office of the Department of Ecology having jurisdiction in the area in which your water works are located. **Please submit your completed application form, maps, sketches, and \$10.00 examination fee to the appropriate Regional Office.**

Northwest Regional Office
3190 - 160th Avenue S.E.
Bellevue, WA 98008-5452
Tel. (206) 649-7000

Central Regional Office
3601 West Washington
Yakima, Washington 98903-1164
Tel. (509) 575-2800

Southwest Regional Office
7272 Cleanwater Lane
Olympia, Washington 98504-6811
Tel. (206) 586-6380

Eastern Regional Office
N. 4601 Monroe, Suite 100
Spokane, Washington 99205-1295
Tel. (509) 456-2926

The appropriate Regional Office will be happy to answer any further questions you may have.

EXHIBIT 1

DESCRIPTION OF THE PROPOSED PROJECT

APPLICATION FOR PRELIMINARY PERMIT

THE DALLES DAM JBS HYDROELECTRIC PROJECT

The Dalles Dam JBS Hydroelectric Project is located at The Dalles Dam between the powerhouse and the spillway. The Dalles Dam is on the Columbia River 192.5 miles upstream of its mouth at the Pacific Ocean and three miles east of The Dalles, Oregon. The Oregon-Washington state boundary crosses The Dalles Dam south of the project site and near the centerline of the river. The proposed project is located near the mid point of the dam. The Dalles Dam is a federal dam operated by the U.S. Army Corps of Engineers (Corps).

I. EXISTING DAM, AUXILIARY FISH-WATER SUPPLY SYSTEM, AND PROPOSED POWERHOUSE

The Dalles Dam was completed in 1957. The Corps is in the process of installing screens in the main turbine intakes to guide juvenile salmon away from passage through the turbines. In conjunction with the intake screens, the Corps is providing a juvenile bypass system (JBS) to return the downstream migrants to the river. This JBS includes a dewatering or screening facility, which will reduce the amount of water needed to transport the fish to the river. The "screened water" will then be returned to the river.

The Corps has decided to not use this "screened water" to generate electrical power. The District proposes to study the feasibility of adding a turbine-generator that would capture the power in this falling water.

The following table summarizes significant powerhouse data.

Total capacity, megawatts (MW)	4
Number of units	1
Design head, feet	70
Design flow, cubic feet per second (cfs)	800

The preliminary design and feasibility studies to be performed by the applicant during the preliminary permit period will refine the development concepts to fully and economically utilize the available head and flows, and to determine the proper type of unit and the project output.

Exhibit 1

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2. EXISTING RESERVOIR

The existing reservoir above The Dalles Dam, called Lake Celilo, has a surface area of 9,400 acres and a storage capacity of 332,500 acre-feet. The maximum normal pool elevation of Lake Celilo is 160 feet mean sea level. The reservoir will not be affected by the proposed project.

3. TRANSMISSION FACILITIES

Electrical interconnection options will be studied. It is anticipated that the project would be interconnected to the Corps' The Dalles Dam electrical system at 13.2 kV or less. It is not anticipated that new transmission facilities will be required.

4. ESTIMATED ENERGY PRODUCTION AND INSTALLED CAPACITY

Preliminary studies indicate that the proposed power plant would have an installed capacity of 4 MW when operated within the existing flow range of the auxiliary fish-water supply system. The proposed power plant would produce approximately 30,000 megawatt-hours per year.

The final installed capacity and expected annual energy production will be determined during the feasibility and predesign studies.

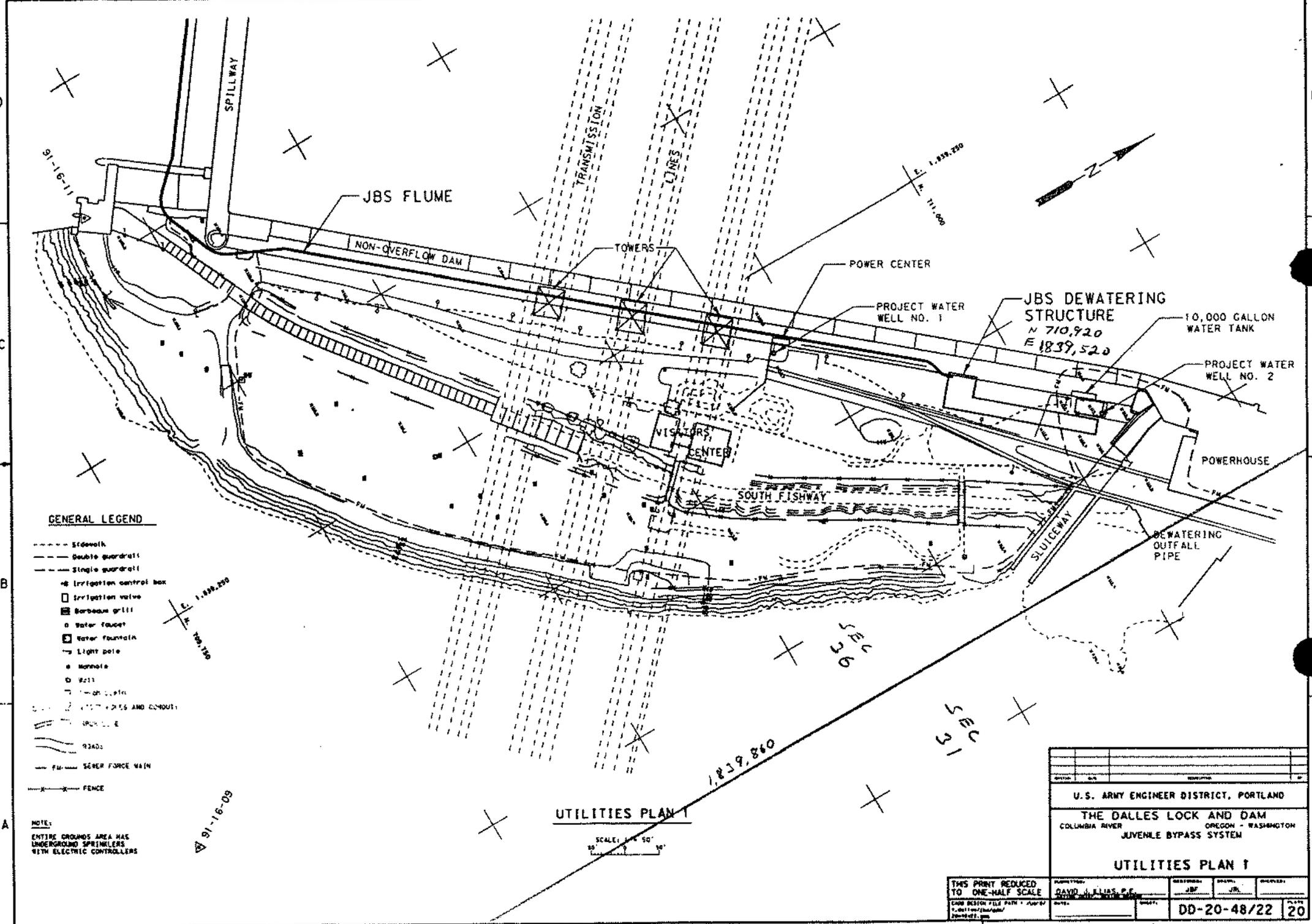
5. LAND OF THE UNITED STATES

The proposed project lies entirely within the boundaries of the Corps' project at The Dalles Dam. All land within the Corps project is land of the United States.

6. CONSERVATION OF WATER RESOURCES

The proposed project would be operated to produce the maximum amount of power at the site without affecting the primary function of the juvenile bypass system, which is to pass juvenile salmon and steelhead to the river. Without the project, the available energy will be wasted. The proposed power plant would recover this wasted energy.

All studies will be performed in close coordination with the Corps, the Bonneville Power Administration, and other federal, state, and local agencies to ensure proper development of the site.



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CORPS OF ENGINEERS 4

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U.S. ARMY

CONTRACTOR'S
PROJECT OFFICE SLUG,
PARKING AND
STORAGE AREA

WEST VISITOR'S
CENTER

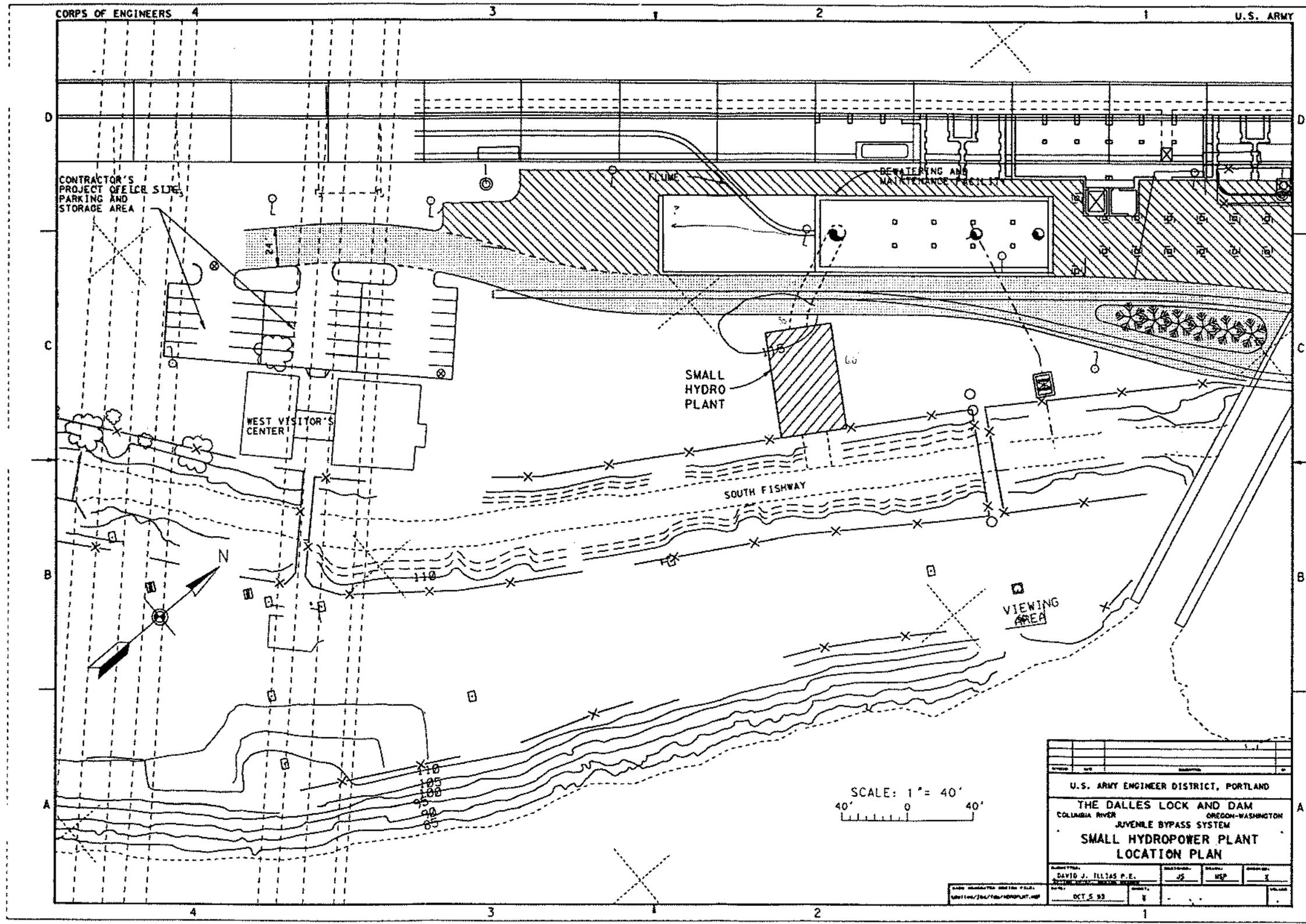
SMALL
HYDRO
PLANT

SOUTH FISHWAY

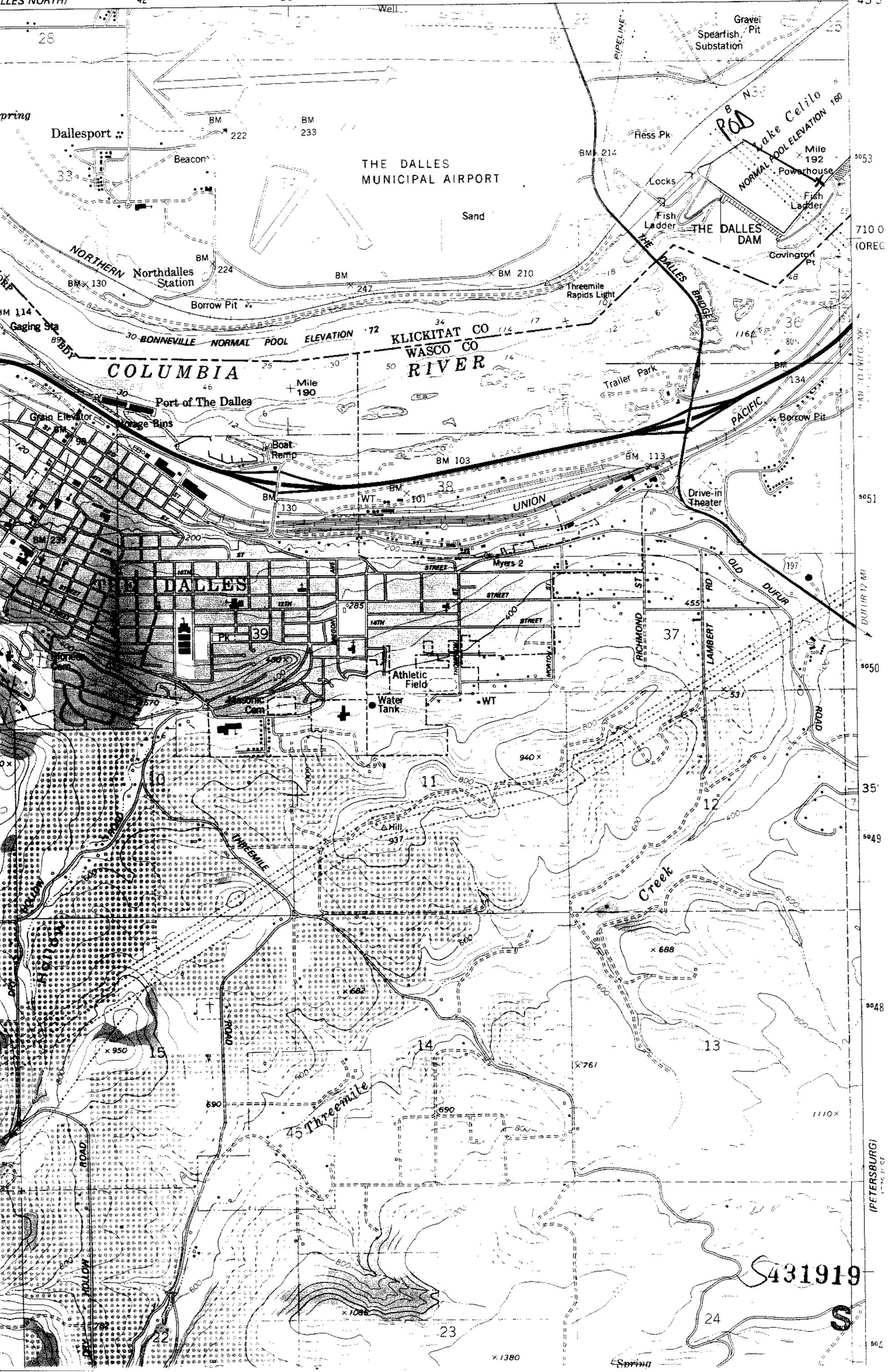
VIEWING
AREA

SCALE: 1" = 40'
40' 0 40'

U.S. ARMY ENGINEER DISTRICT, PORTLAND			
THE DALLES LOCK AND DAM			
COLUMBIA RIVER		OREGON-WASHINGTON	
RYVENLE BYPASS SYSTEM			
SMALL HYDROPOWER PLANT			
LOCATION PLAN			
DESIGNED BY	CHECKED BY	DATE	SCALE
DAVID J. ILLIAS P.E.	J.S.	OCT. 5. 93	1" = 40'
<small> 1. ALL DIMENSIONS ARE IN FEET. 2. UNLESS OTHERWISE SPECIFIED. </small>			



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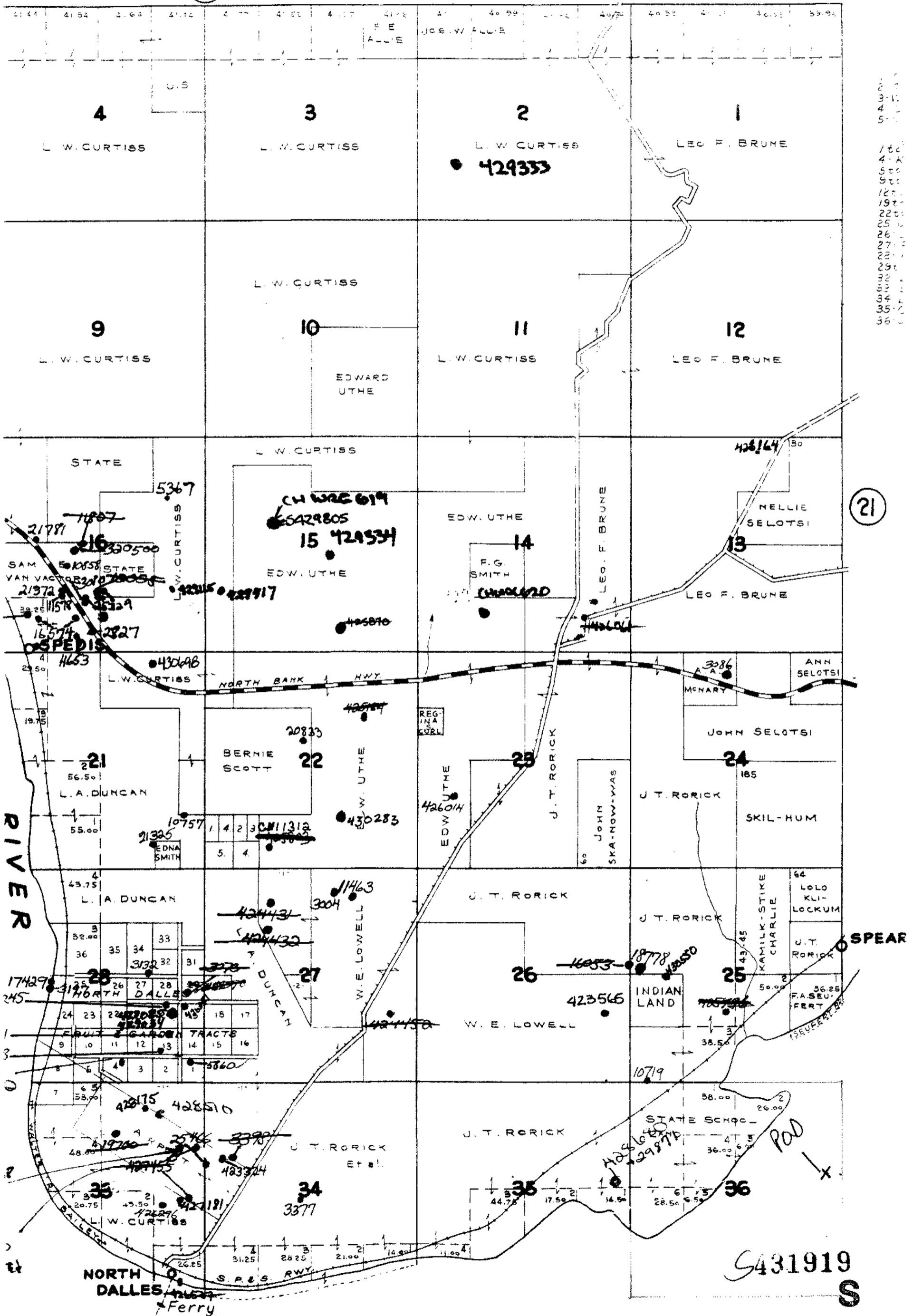
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TOWNSHIP 2 N., RANGE 13 E.W. M.

KLICKITAT COUNTY, WASHINGTON

CHAS. F. N.
514 S. W. O.A.
930 PACIFIC

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Public Utility District No. 1 of Klickitat County

1313 S. Columbus, Goldendale, WA 98620
Phone: 509-773-5891
Fax: 509-773-4969

Owned by Those it Serves

P. O. Box 187, White Salmon, WA 98672
Phone: 509-493-2255
Fax: 509-493-1232

January 24, 1994

JAN 27 1994

Washington State Department of Ecology
Central Regional Office
3601 West Washington
Yakima, WA 98903-1164

OK # 3659
110. w

Subject: Water Right Application

Please find enclosed an "Application for Water Rights" for power generation on the Columbia River for a new juvenile bypass system on the existing Dalles Dam.

I appreciate your prompt review of this application. If modifications are needed that could possibly affect the priority date, please call us as soon as possible so they can be reviewed. We will provide additional information as necessary to expedite the application.

If you have any questions, please call me at 1-800-548-8357.

Sincerely,

Tom D. Svendsen, Manager
Engineering & Operations

TDS/la

Enclosure

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