

TO: Water Rights Section

January 21, 2003

FROM: Groundwater/Hydrology Section Michael Zwart
Reviewer's Name

SUBJECT: Application G-15859

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. ___ will, or _____ have the potential for substantial interference with the nearest
 - b. ___ will not _____ surface water source, namely _____; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 7B;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. ___ will, or _____ likely be available in the amounts requested without injury to prior rights
 - b. ___ will not _____ and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7A;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
4.
 - a. ___ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
 - b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
 - c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Ground Water Files Date: January 21, 2003

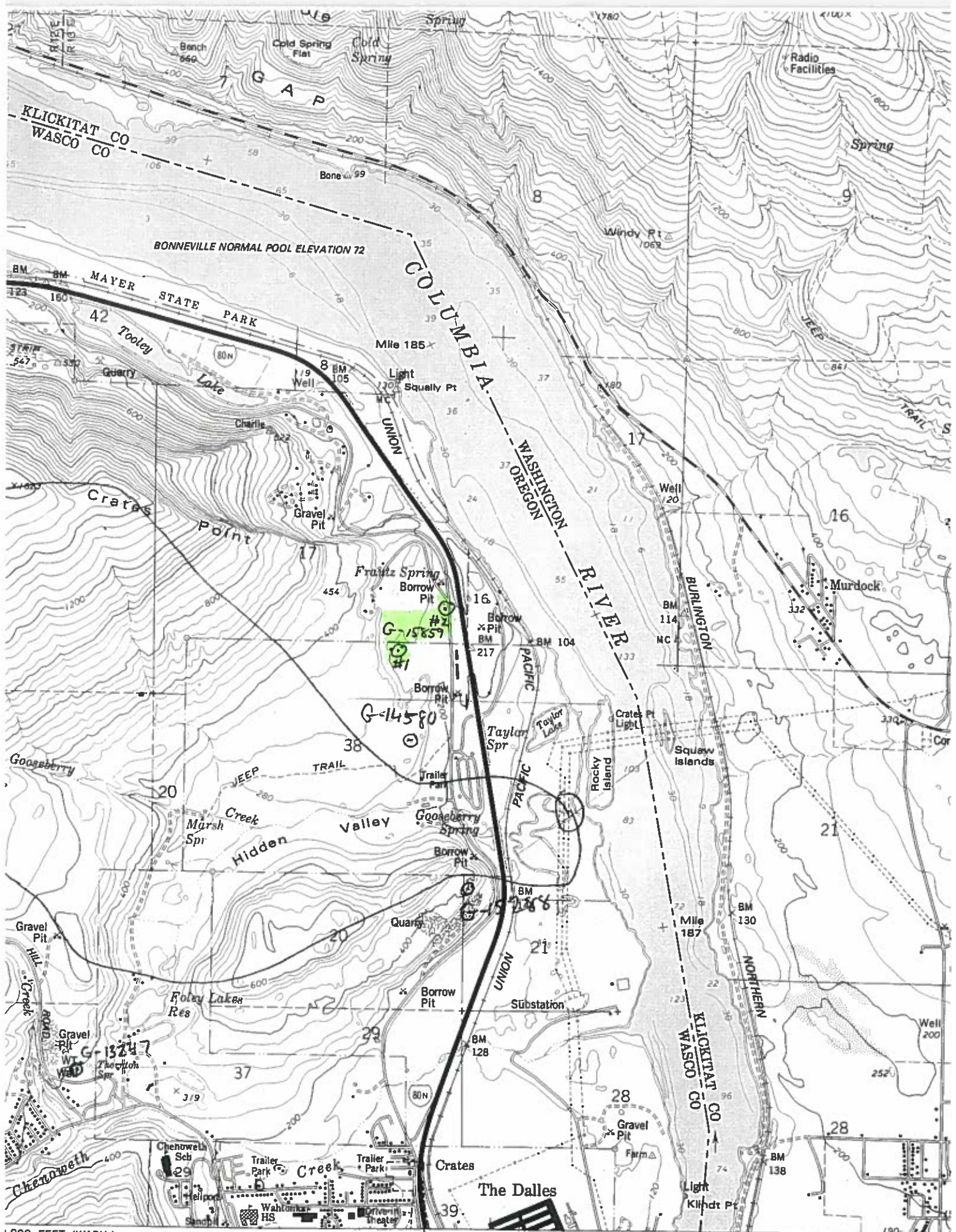
From: Michael J. Zwart

Subject: Application Review: G-15859, The Dalles Country Club

This application proposes to use about 400 gpm (0.891 cfs) from one or two wells for primary irrigation of 9.5 acres and pond maintenance. Well #1 (WASC 3231, 3232, 3222 and 50637) is completed to a depth of 380 feet and penetrates a semiconfined to confined aquifer developed in basalt of the Columbia River Basalt Group. The static water level is reportedly about 162 feet below land surface. Well #2 (WASC 3230 and 3224) is 480 feet deep and also penetrates basalt with a reported static water level of 173 feet below land surface.

Well #1 is about 2100 feet from the Columbia River and well #2 is about 1100 feet from the river. The aquifer is not likely in hydraulic connection with the nearest reach of the river. There is no potential for substantial interference with the Columbia River, based on the confined to semiconfined aquifer penetrated.

I recommend permit conditions 7A and 7B.



1:000 FEET (WASH.) 38 CIVIC CENTER EXIT 1.5 MI. ARLINGTON 57 MI. 12'30" R 13 E (THE DALLES SOUTH) 1775 II SW

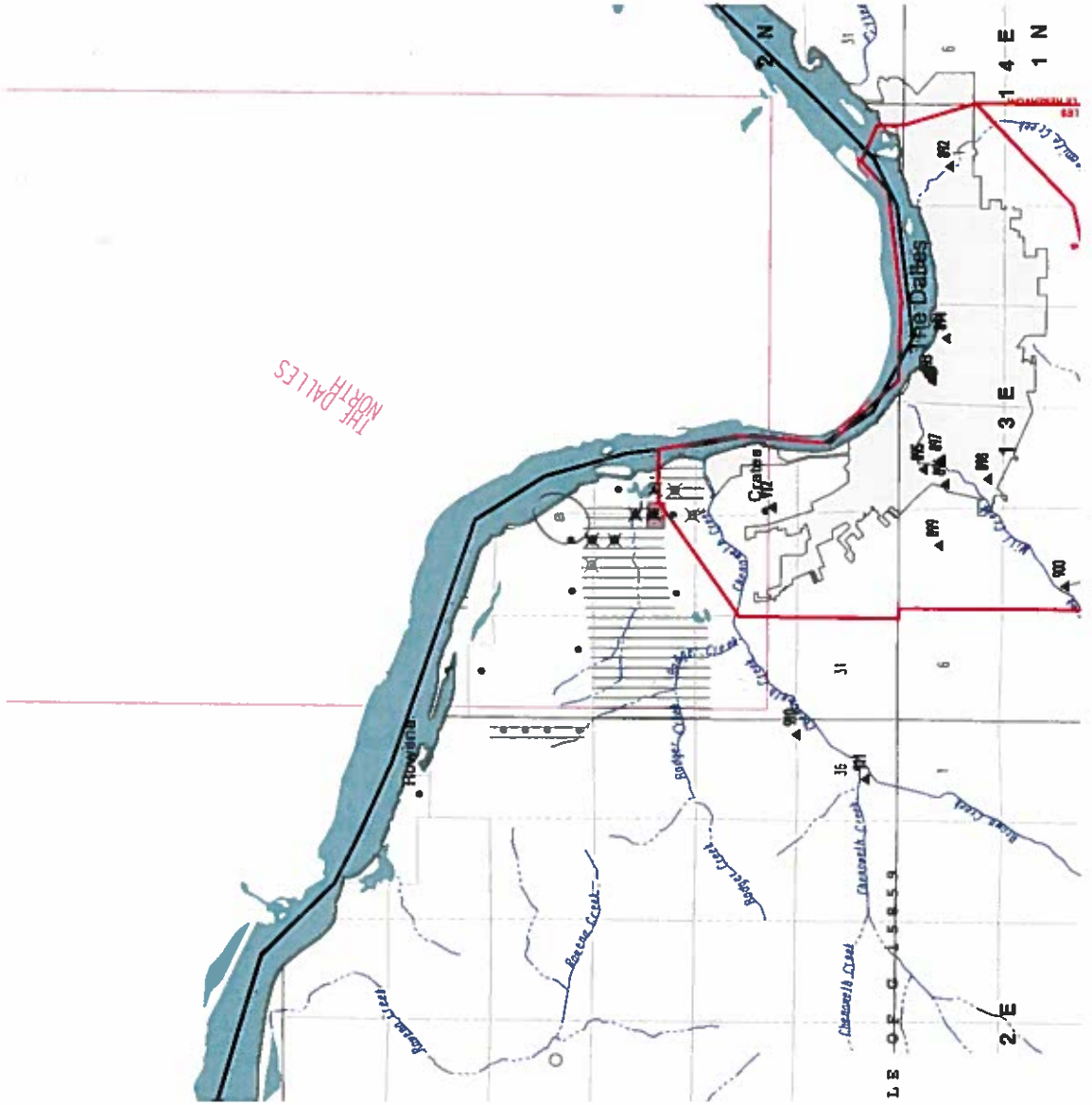
published by the Geological Survey

The Dalles North

SCALE 1:24 000

Wells in the vicinity of application G 15859

- Application well(e) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ⊗ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- - - Critical GW Area
- - - Regulated GW Area



WELLS WITHIN 1 MILE OF G 15859

DO	45
IM	2
IR	28
MO	100

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15859

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G 3204	G 2942	2.00N13.00E17NENW	DO	0.0400	C
2	G 3204	G 2942	2.00N13.00E17NWNW	DO	0.0200	C
3	G 13515	G 12667	2.00N13.00E17SWNE	IR	0.0120	C
3	G 13515	G 12667	2.00N13.00E17SWNE	IR	0.1740	C
4	G 5674	G 5495	2.00N13.00E17NESE	IS	0.5000	C
4	G 11519	G 10645	2.00N13.00E17NESE	IR	0.0100	C
4	G 11519	G 10645	2.00N13.00E17NESE	IR	0.0300	C
4	U 154	U 145	2.00N13.00E17NESE	IR	0.0125	C
5	G 11519	G 10645	2.00N13.00E17SESE	IR	0.0100	C
5	G 11519	G 10645	2.00N13.00E17SESE	IR	0.0300	C
5	GR 4184	GR 3743	2.00N13.00E17SESE	IR	400.0000	G
6	G 11053	G 10355	2.00N13.00E16SWSW	IM	80.0000	G
7	G 5025	G 4732	2.00N13.00E21NWNW	DO	0.0500	C
7	G 8256	G 7682	2.00N13.00E21NWNW	IR	0.0700	C
8	G 11195	G 10309	2.00N13.00E20SENE	IR	0.1700	C
9	G 3204	G 2942	2.00N13.00E17NENW	DO	0.0400	C
10	G 3204	G 2942	2.00N13.00E17NWNW	DO	0.0200	C
11	G 13515	G 12667	2.00N13.00E17SWNE	IR	0.0120	C
11	G 13515	G 12667	2.00N13.00E17SWNE	IR	0.1740	C
12	G 5674	G 5495	2.00N13.00E17NESE	IS	0.5000	C
12	G 11519	G 10645	2.00N13.00E17NESE	IR	0.0100	C
12	G 11519	G 10645	2.00N13.00E17NESE	IR	0.0300	C
12	U 154	U 145	2.00N13.00E17NESE	IR	0.0125	C
13	G 11519	G 10645	2.00N13.00E17SESE	IR	0.0100	C
13	G 11519	G 10645	2.00N13.00E17SESE	IR	0.0300	C
13	GR 4184	GR 3743	2.00N13.00E17SESE	IR	400.0000	G
14	G 11053	G 10355	2.00N13.00E16SWSW	IM	80.0000	G
15	G 5025	G 4732	2.00N13.00E21NWNW	DO	0.0500	C
15	G 8256	G 7682	2.00N13.00E21NWNW	IR	0.0700	C
16	G 11195	G 10309	2.00N13.00E20SENE	IR	0.1700	C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15859

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G 13122	G 12175	2.00N12.00E16NWNE	7AG
1	G 13122	G 12175	2.00N12.00E16NWNE	7AR
1	G 13122	G 12175	2.00N12.00E16NWNE	7BG
1	G 13122	G 12175	2.00N12.00E16NWNE	7BR
1	G 13122	G 12688	2.00N12.00E16NWNE	

APPLICATION G 15859 FALLS WITHIN THESE QUAD(S)

THE DALLES NORTH

THE DALLES NORTH

The following OWRD Groundwater Management Areas are within the map extent:

\$RECNO	NAME1	NAME2	SUB-AREA	STATUS
1	THE DALLES			CRIT
2	THE DALLES	THREEMILE RESERVOIR		CRIT

Analysis for Application: G15859

Location: 2N-13E-17-NESE

Uses: IR 4 P

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
3	NC	1882501	2941	Larry Toll	Courthouse Annex B, Rm 218, 421 E 7th ST	The Dal

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Wasco	41065

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-13E-17-SESE

Uses: IR 5.5 P|PM P|ST P

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
3	NC	1882501	2941	Larry Toll	Courthouse Annex B, Rm 218, 421 E 7th ST	The Dal

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Wasco	41065

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

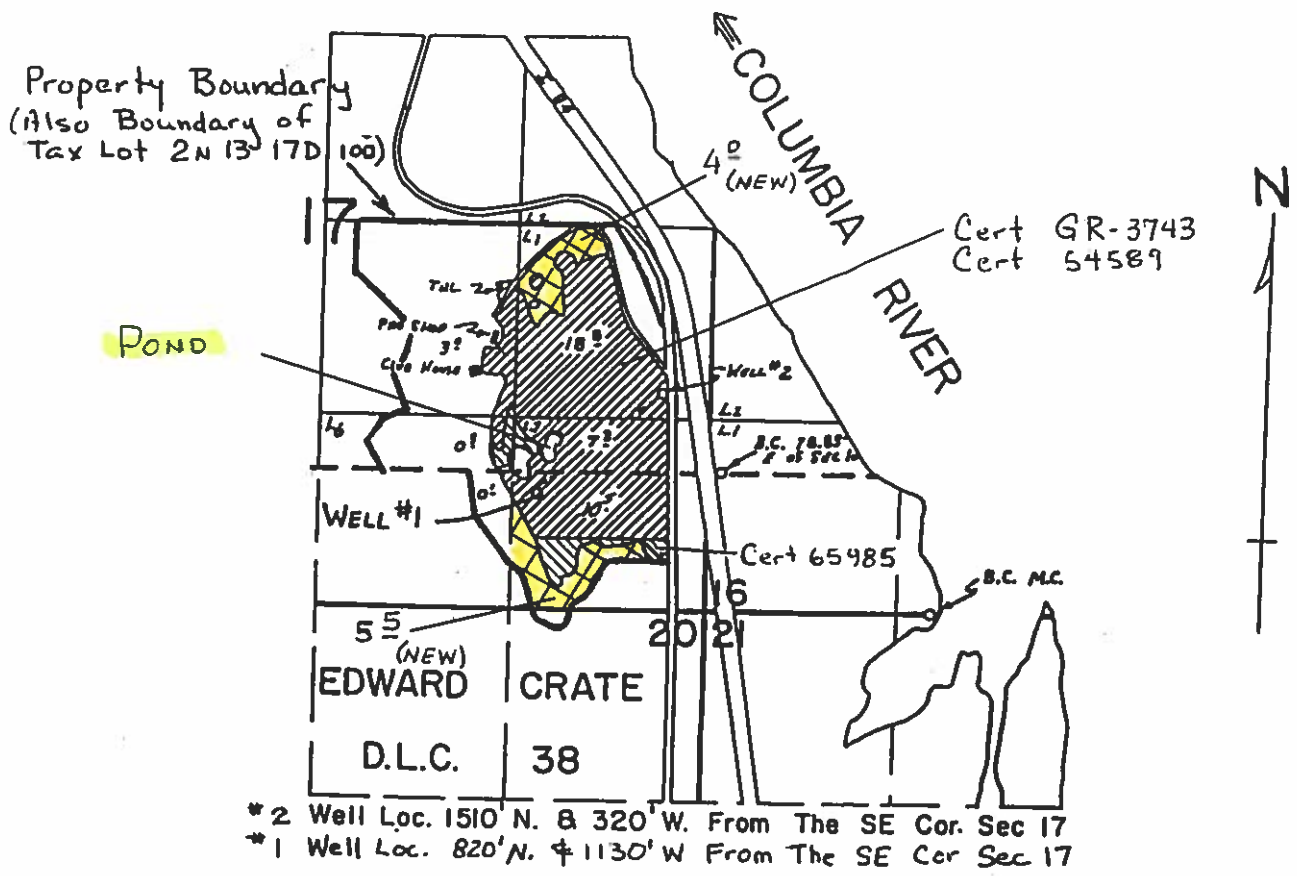
RULE4D
In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

T.2N. R.13 E.W.M.



Scale: 1 inch = 1320 feet

app # 6-15859
 Permit #

Application No. _____ Permit No. _____
 IN NAME OF
 THE DALLES COUNTRY CLUB

RECEIVED
 OCT 23 2002
 WATER RESOURCES DEPT.
 SALEM, OREGON