TO: Water Rights Section August 14, 1997.

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

SUBJECT: Application G-14580

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. X will if properly conditioned, adequately protect the surface water from interference:
      i. X 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. X will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
      i. X The permit should contain condition #(s) 7A+; 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

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: Use non-seasonal use condition 7A

G-14580

(Well Construction Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
   a.____review of the well log;
   b.____field inspection by _____;
   c.____report of CWRE _____;
   d.____other: (specify) _____
   _____

6. THE WELL construction deficiency:
   a.____constitutes a health threat under Division 200 rules;
   b.____commingles water from more than one groundwater reservoir;
   c.____permits the loss of artesian head;
   d.____permits the de-watering of one or more groundwater reservoirs;
   e.____other: (specify) _____
   _____

7. THE WELL construction deficiency is described as follows: _____
   _____
   _____

8. THE WELL a.____was, or b.____was not constructed according to the standards in effect at the time of original construction or most recent modification.
   c.____I don't know if it met standards at the time of construction.

RECOMMENDATION:

A.____I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."

B.____I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.

C.____REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit

_____ _____, 199__.
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons:_____
_____
_____

_____ _____, 199__.
(Signature)

Water Resources Department

MEMO August 14, 1997

TO Application G-14580

FROM GW: Michael Zwart
(Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

☐ Yes
☑ No — The source of appropriation is within or above a Scenic Waterway.

☐ Yes
☑ No — Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑ At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: *(To be filled out only if Preponderance of Evidence box is not checked)*

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

To: FILE

Date: August 14, 1997

From: MICHAEL ZWART

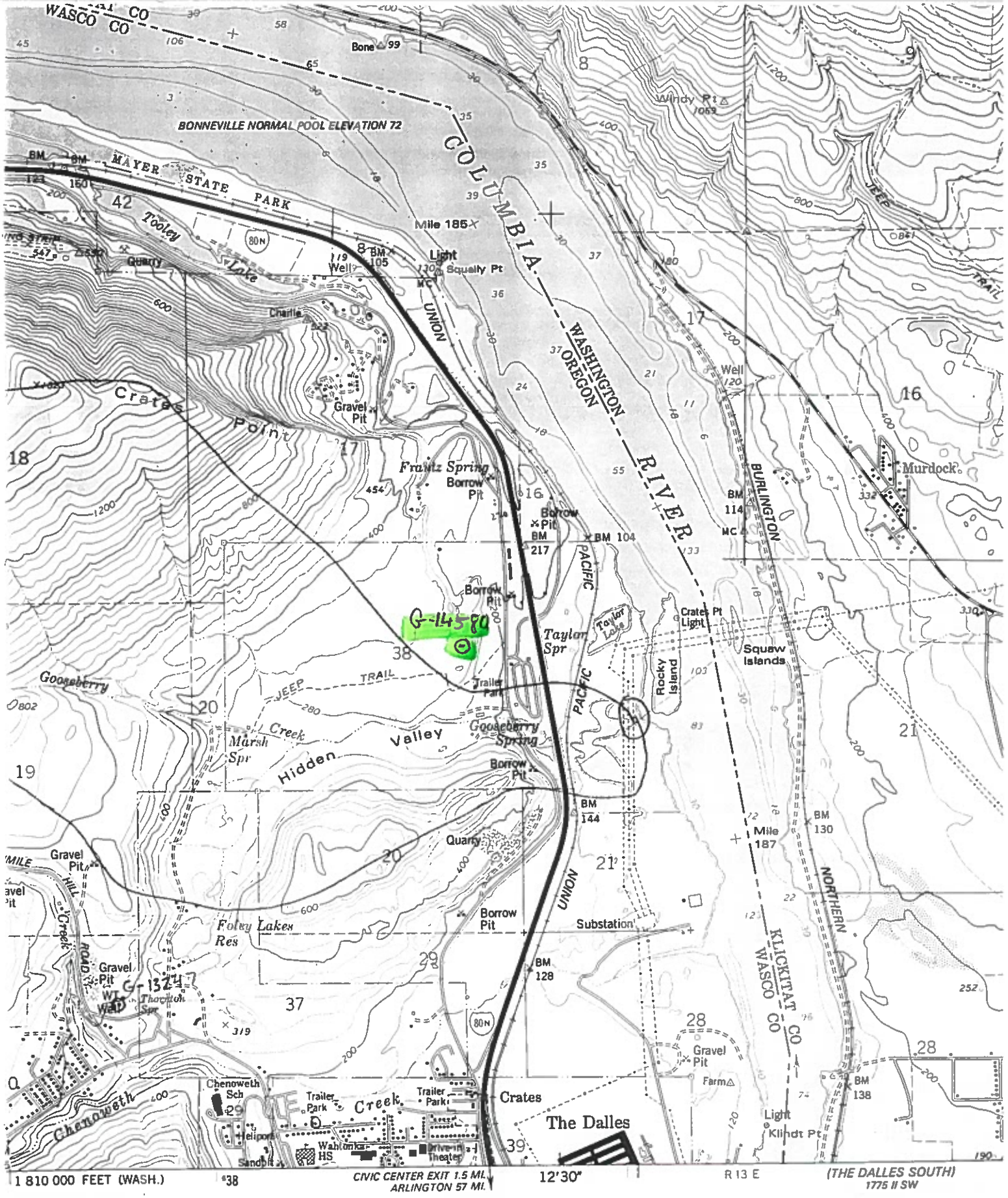
Subject: APPLICATION G-14580, WASCO COUNTY, JUDGE JOHN MABREY

This application proposes to use 500 gpm of groundwater from one well for municipal use. The well is constructed to a depth of 603 feet and penetrates a confined aquifer developed in basalts of the Columbia River Basalt Group.

The well is located about 2800 feet from the Columbia River and about 1200 feet from Gooseberry Creek. The aquifer penetrated is not likely in hydraulic connection with Gooseberry Creek or the nearby reach of the Columbia River, but may be at a greater distance downstream. There is no potential for substantial interference with the surface water sources, based on the aquifer penetrated and the distance.

Permit conditions 7A (non-seasonal use) and 7B are recommended.

WOSC 50145



1 810 000 FEET (WASH.)

l, and published by the Geological Survey

ıd NOS/NOAA

togrammetric methods from aerial
1973. Field checked 1974

hic data compiled from NOS/NOAA Chart 6157 (1973)
not intended for navigational purposes

ıgton coordinate system, south zone

GN MN
1°18'
23 MILS
20½°
364 MILS

SCALE 1:24 000

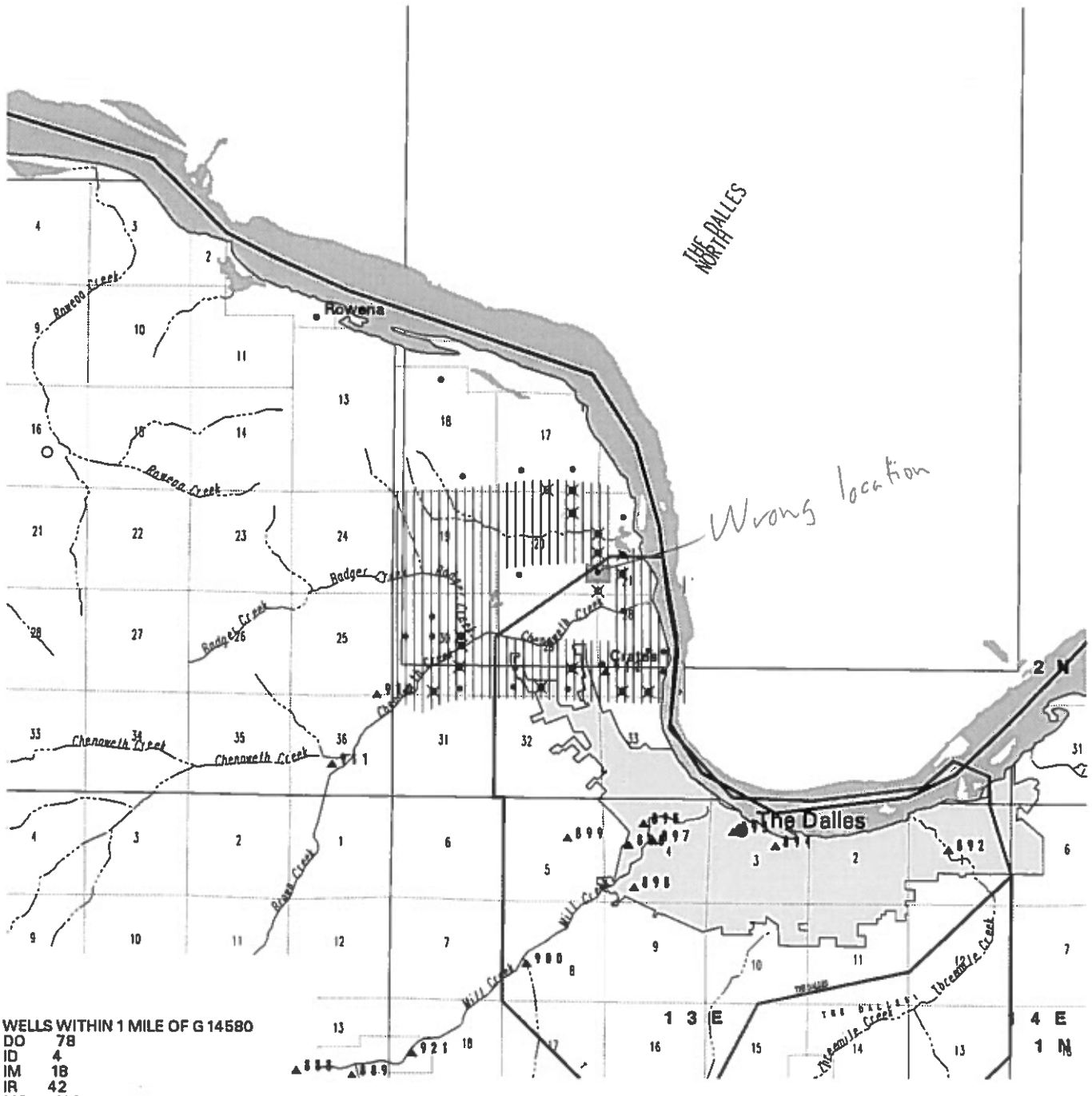
1 0 1000 0 1000 2000 3000 4000

1 .5 0

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM (
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS BONNEVILLE N(

Wells in the vicinity of application G 14580

- Application well(s) 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)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- Regulated GW Area



WELLS WITHIN 1 MILE OF G 14580

DO	78
ID	4
IM	18
IR	42
MO	108
MU	8

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14580

$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	2.00N13.00E17NWNE	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	7287	G	6714	2.00N13.00E19SWSE	IR	0.0700	C
10	G	2467	G	2278	2.00N13.00E30NWNE	DO	0.1700	C
10	G	9705	G	9968	2.00N13.00E30NWNE	GD	0.1000	C
10	G	11171	G	10233	2.00N13.00E30NWNE	GD	0.4700	C
10	G	13247	G	11704	2.00N13.00E30NWNE	GD	1.1100	C
11	G	34	G	1487	2.00N13.00E30SWNE	MU	0.2500	C
12	U	442	U	413	2.00N13.00E29SWNE	IS	0.3100	C
13	G	4030	G	3794	2.00N13.00E29NESW	IR	0.0400	C
13	G	4030	G	3794	2.00N13.00E29NESW	IS	0.0600	C
14	G	2307	G	2127	2.00N13.00E30NESW	MU	0.3000	C
14	G	7447	G	6941	2.00N13.00E30NESW	MU	0.7000	C
14	U	127	U	121	2.00N13.00E30NESW	IR	0.6700	C
15	G	471	G	338	2.00N13.00E28NWSW	IM	2.9000	C
15	G	734	G	645	2.00N13.00E28NWSW	IM	1.1100	C
16	T	5607	CG	646	2.00N13.00E28NESW	IM	1.2000	C
16	G	735	G	646	2.00N13.00E28NESW	IM	1.2000	C
17	G	3204	G	2942	2.00N13.00E17NENW	DO	0.0400	C
18	G	3204	G	2942	2.00N13.00E17NWNE	DO	0.0200	C
19	G	13515	G	12667	2.00N13.00E17SWNE	IR	0.0120	C
19	G	13515	G	12667	2.00N13.00E17SWNE	IR	0.1740	C
20	G	5674	G	5495	2.00N13.00E17NESE	IS	0.5000	C
20	G	11519	G	10645	2.00N13.00E17NESE	IR	0.0100	C
20	G	11519	G	10645	2.00N13.00E17NESE	IR	0.0300	C
20	U	154	U	145	2.00N13.00E17NESE	IR	0.0125	C
21	G	11519	G	10645	2.00N13.00E17SESE	IR	0.0100	C
21	G	11519	G	10645	2.00N13.00E17SESE	IR	0.0300	C
21	GR	4184	GR	3743	2.00N13.00E17SESE	IR	400.0000	G
22	G	11053	G	10355	2.00N13.00E16SWSW	IM	80.0000	G
23	G	5025	G	4732	2.00N13.00E21NWNW	DO	0.0500	C
23	G	8256	G	7682	2.00N13.00E21NWNW	IR	0.0700	C
24	G	11195	G	10309	2.00N13.00E20SENE	IR	0.1700	C
25	G	7287	G	6714	2.00N13.00E19SWSE	IR	0.0700	C
26	G	2467	G	2278	2.00N13.00E30NWNE	DO	0.1700	C
26	G	9705	G	9968	2.00N13.00E30NWNE	GD	0.1000	C
26	G	11171	G	10233	2.00N13.00E30NWNE	GD	0.4700	C
26	G	13247	G	11704	2.00N13.00E30NWNE	GD	1.1100	C
27	G	34	G	1487	2.00N13.00E30SWNE	MU	0.2500	C
28	U	442	U	413	2.00N13.00E29SWNE	IS	0.3100	C
29	G	4030	G	3794	2.00N13.00E29NESW	IR	0.0400	C
29	G	4030	G	3794	2.00N13.00E29NESW	IS	0.0600	C
30	G	2307	G	2127	2.00N13.00E30NESW	MU	0.3000	C

30	G	7447	G	6941	2.00N13.00E30NESW	MU	0.7000 C
30	U	127	U	121	2.00N13.00E30NESW	IR	0.6700 C
31	G	471	G	338	2.00N13.00E28NWSW	IM	2.9000 C
31	G	734	G	645	2.00N13.00E28NWSW	IM	1.1100 C
32	T	5607	CG	646	2.00N13.00E28NESW	IM	1.2000 C
32	G	735	G	646	2.00N13.00E28NESW	IM	1.2000 C

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CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 14580

$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	

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APPLICATION G 14580 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

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