

TO: Water Rights Section

Oct 17, 2001

FROM: Groundwater/Hydrology Section Doug Woodcock

Reviewer's Name

SUBJECT: Application G- 15531

G 15531

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 TRASK, TILLAMOOK R; or
c. _____ will if properly conditioned, adequately protect the surface water from interference:
i. _____ The permit should contain condition #(s) _____;
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) _____;
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: POTENTIAL FOR SUBSTANTIAL INTERFERENCE
IS ASSUMED IN DIV 09 BY VIOLATING
49, 46, 45

(Well Construction Considerations on Reverse Side)

G-15531

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 constructed according to the standards in effect at the time of
 - b. ___ was not 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)

MEMO

Oct 17, 2001

FROM GW: Don Woodcock
(Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

☐ Yes

The source of appropriation is within or above a Scenic Waterway

☒ No☐ Yes

Use the Scenic Waterway condition (Condition 7J).

☒ No

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.

[illegible]

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE # G-15531

ROUTED TO: WATER RIGHTS

TOWNSHIP/

RANGE-SECTION: 2S/9W-5, 8, 9

CONDITIONS ATTACHED? ☐ yes ☒ no

REMARKS OR FURTHER INSTRUCTIONS:

PESI

Reviewer: DEW

WATER RESOURCES DEPARTMENT MEMORANDUM

To: Groundwater/Hydrology
From: Doug Woodcock
Subject: GW Application G-15531

Oct 17, 2001

Applicant: Port of Tillamook Seek: 20 cfs
From: 6 drilled wells, Trask R and Tillamook R sub-basins, North Coast Basin
Proposed Use: Municipal Quad Name: Tillamook

Well 1 (not drilled) 2S/9W-5 SWNE Tillamook County

2350 ft S and 1800 ft W of the NE Cor Sec 5
Well is 1000 ft from Trask R, Well is 7100 ft from Tillamook R
Well elevation at site is ~ 25 ft (NGVD 1929)
Trask R elevation is ~15 ft
Proposed well depth is 75 – 250 ft

Well 2 (not drilled) 2S/9W-5 NWSW Tillamook County

3600 ft S and 600 ft E of the NW Cor Sec 5
Well is 1250 ft from Trask R, Well is 700 ft from Anderson Cr
Well elevation at site is ~ 17 ft (NGVD 1929)
Anderson Cr elevation is ~15 ft
Proposed well depth is 75 – 250 ft

Well 3 (not drilled) 2S/9W-8 NWNW Tillamook County

1300 ft S and 750 ft E of the NW Cor Sec 8
Well is 4800 ft from Trask R, Well is 3300 ft from Tillamook R
Well elevation at site is ~ 19 ft (NGVD 1929)
Tillamook R elevation is ~15 ft
Proposed well depth is 75 – 250 ft

Well 4 (not drilled) 2S/9W-8 NWSW Tillamook County

3350 ft S and 1100 ft E of the NW Cor Sec 8

Well is 6800 ft from Trask R, Well is 1250 ft from Tillamook R

Well elevation at site is ~ 30 ft (NGVD 1929)

Tillamook R elevation is ~18 ft

Proposed well depth is 75 – 250 ft

Well 5 (not drilled) 2S/9W-8 SESE Tillamook County

500 ft N and 1200 ft W of the SE Cor Sec 8

Well is 8300 ft from Trask R, Well is 2500 ft from Tillamook R

Well elevation at site is ~ 48 ft (NGVD 1929)

Tillamook R elevation is ~20 ft

Proposed well depth is 75 – 250 ft

Well 6 (not drilled) 2S/9W-9 SESW Tillamook County

700 ft N and 1700 ft E of the SW Cor Sec 9

Well is 900 ft from unnamed cr (ditch?), Well is 4350 ft from Tillamook R

Well elevation at site is ~ 70 ft (NGVD 1929)

Unnamed Cr elevation is ~60 ft

Proposed well depth is 75 – 250 ft

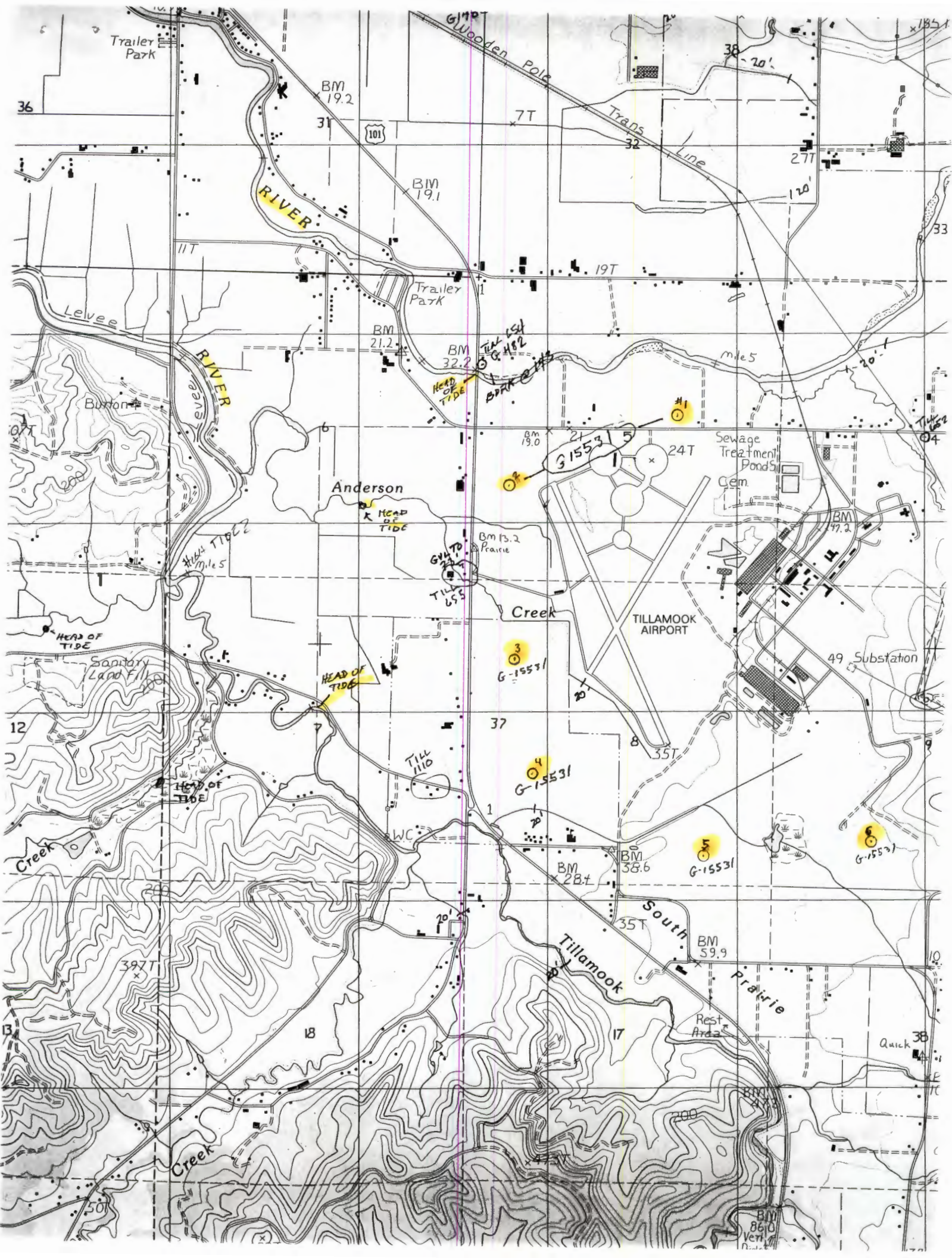
Evaluation Summary

The proposed use is 20 cfs of ground water for municipal use from the alluvial sands and gravels of the Tillamook lowlands. The wells are all proposed at this point. The wells are above high tide in the Trask and Tillamook Rivers, but not by much. The potential for substantial interference must be assumed in the Division 09 review due to the nature of the sediments, the proposed well locations, and the quantity of water requested. Fatal flaws in the Division 09 review include 4a) the well are within ¼ mile of hydraulically connected surface water; 4b) the appropriation is greater than 5 cfs and within one mile of hydraulically connected surface water; 4c) the appropriation is greater than 1% of the instream water rights on both the Trask and Tillamook Rivers (certificates 59667, 59668, 72998, 59669).

Recommendation:

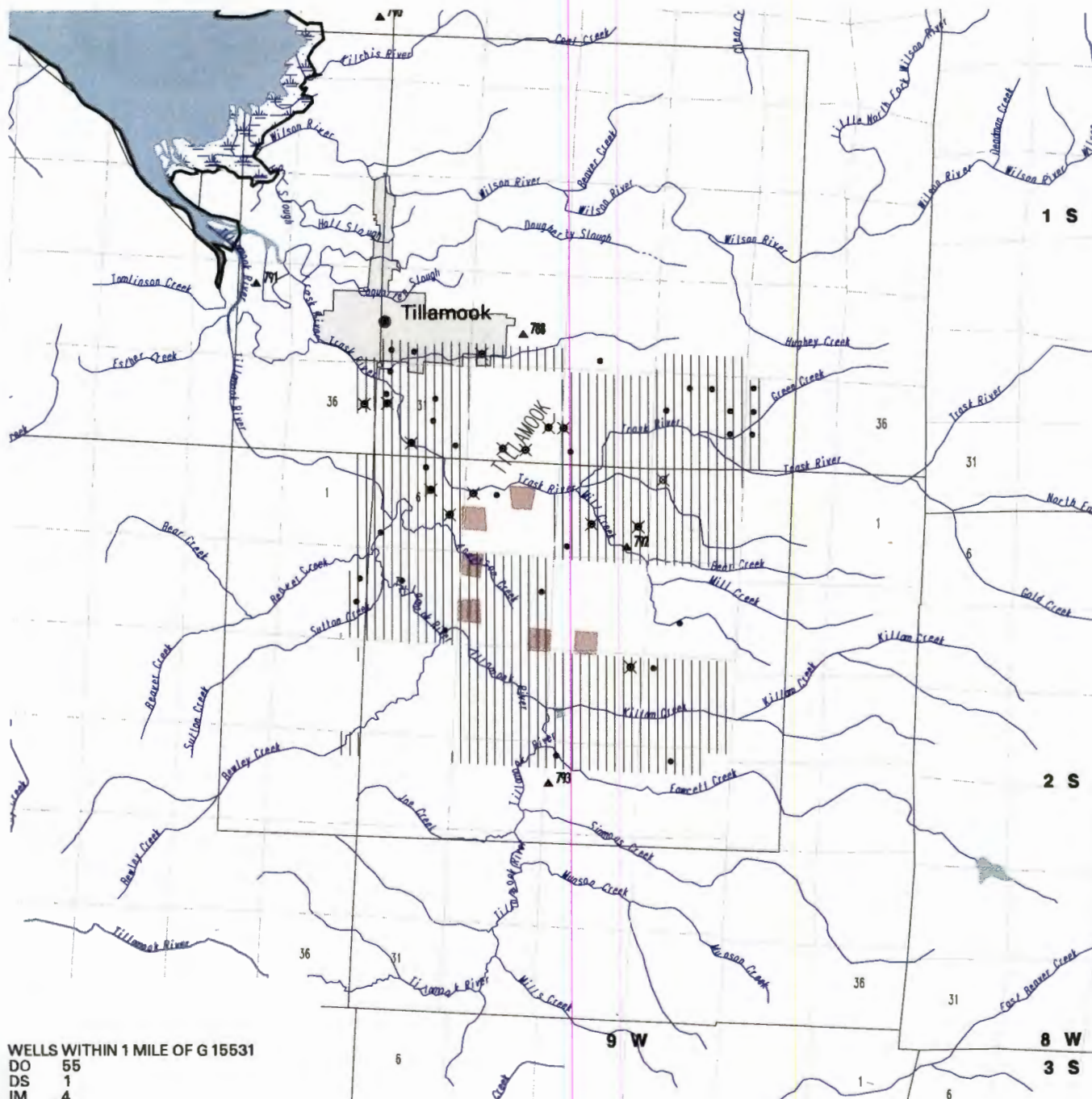
The potential for substantial interference is assumed by the Division 09 review.

References: GRID WRD database; USGS topographic map: Tillamook, Or 7.5 minute map; 1985; Environmental Geology of the Coastal Region of Tillamook and Clatsop Counties, Oregon, Bull 74, DOGAMI, 1972



Wells in the vicinity of application G 15531

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



WELLS WITHIN 1 MILE OF G 15531

DO	55
DS	1
IM	4
IR	23
MO	68
MU	15

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15531

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	GR 2328	GR 2214	1.00S10.00W36SWSE	IR	550.0000	G
2	G 10574	G 9829	1.00S 9.00W29SWSW	MU	2.7000	C
3	GR 3353	GR 3104	1.00S 9.00W31SWNW	IR	260.0000	G
4	GR 3008	GR 2817	1.00S 9.00W32NESE	IR	250.0000	G
5	GR 3323	GR 3251	1.00S 9.00W33NWSW	IR	160.0000	G
6	G 1807	G 1652	1.00S 9.00W31SESW	MU	1.0300	C
7	GR 2747	GR 2598	1.00S 9.00W32SESW	IR	200.0000	G
8	GR 2951	GR 2770	1.00S 9.00W32SWSE	IR	200.0000	G
9	G 1811	G 1656	2.00S 9.00W 3NWNW	IR	0.3400	C
10	G 4259	G 4013	2.00S 9.00W 6SWNE	IR	0.2300	C
10	G 5784	G 5555	2.00S 9.00W 6SWNE	IR	0.0100	C
10	GR 958	GR 929	2.00S 9.00W 6SWNE	IR	192.0000	G
11	G 990	G 842	2.00S 9.00W 5SWNW	MU	1.5600	C
12	GR 1919	GR 1903	2.00S 9.00W 6NESE	IR	600.0000	G
13	G 8832	G 8210	2.00S 9.00W 4NESW	IS	0.3300	C
14	G 4891	G 4612	2.00S 9.00W 4NESE	IR	0.3300	C
14	G 8832	G 8210	2.00S 9.00W 4NESE	IR	0.3000	C
15	GR 831	GR 804	2.00S 9.00W16NENE	IR	40.0000	G

NO CONDITIONED WELLS WITHIN 1 MILE OF APPLICATION G 15531

APPLICATION G 15531 FALLS WITHIN THESE QUAD(S)

TILLAMOOK
