

TO: Water Rights Section April 22, 1999
FROM: Groundwater/Hydrology Section Michael Zwart
SUBJECT: Application G-14945
Reviewer's Name

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) 7J;
 - 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) 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: _____

(Well Construction Considerations on Reverse Side)

6-14945

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Groundwater files Date: April 22, 1999
From: Michael J. Zwart
Subject: Application Review: G-14945, Dane H. Klindt

This application proposes to use about 2.6588 cfs from one well for primary irrigation of 62.8 acres and supplemental irrigation of 149.9 acres. The well (WASC 50564) produces water from a semiconfined aquifer developed in tuffaceous sedimentary rocks (Dalles Formation) below a depth of 340 feet. The well is about 2100 feet from Threemile Creek. The aquifer is likely in hydraulic connection with the creek as a result of the creek being deeply incised in this area. There is no potential for substantial interference with the creek, based on the distance to it.

I recommend permit conditions 7B and 7J.

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12'30"

641

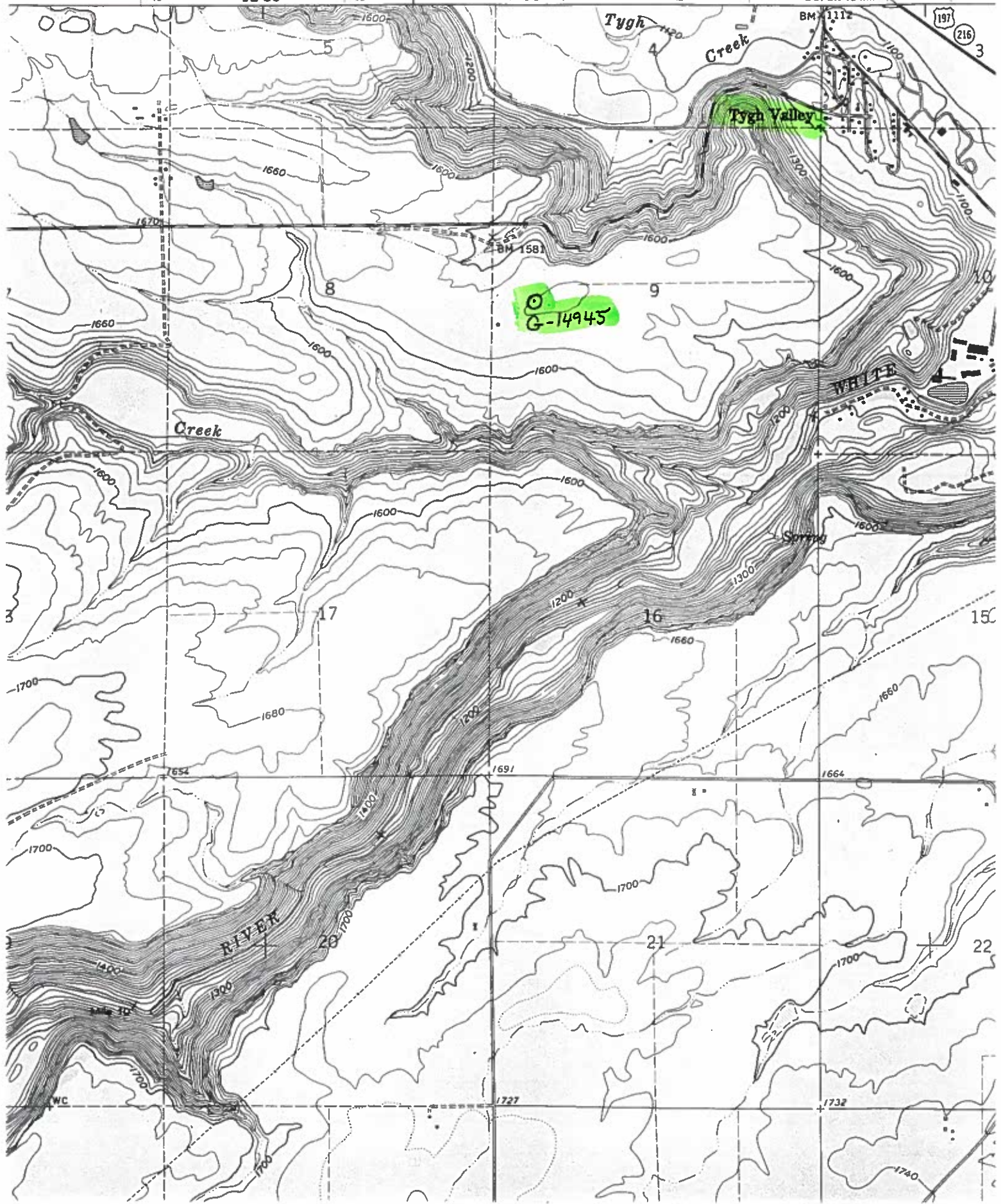
177 1 SW (POSTAGE STAMP BUTTE)

643

THE DALLES 32 MI. DUFUR 16 MI.

10'

644



G-14945

Tygh Valley

Tygh Creek

Creek

WHITE RIVER

RIVER

197 216 3

BM 1581

BM 1112

1727

1732

1740

1652

1691

1664

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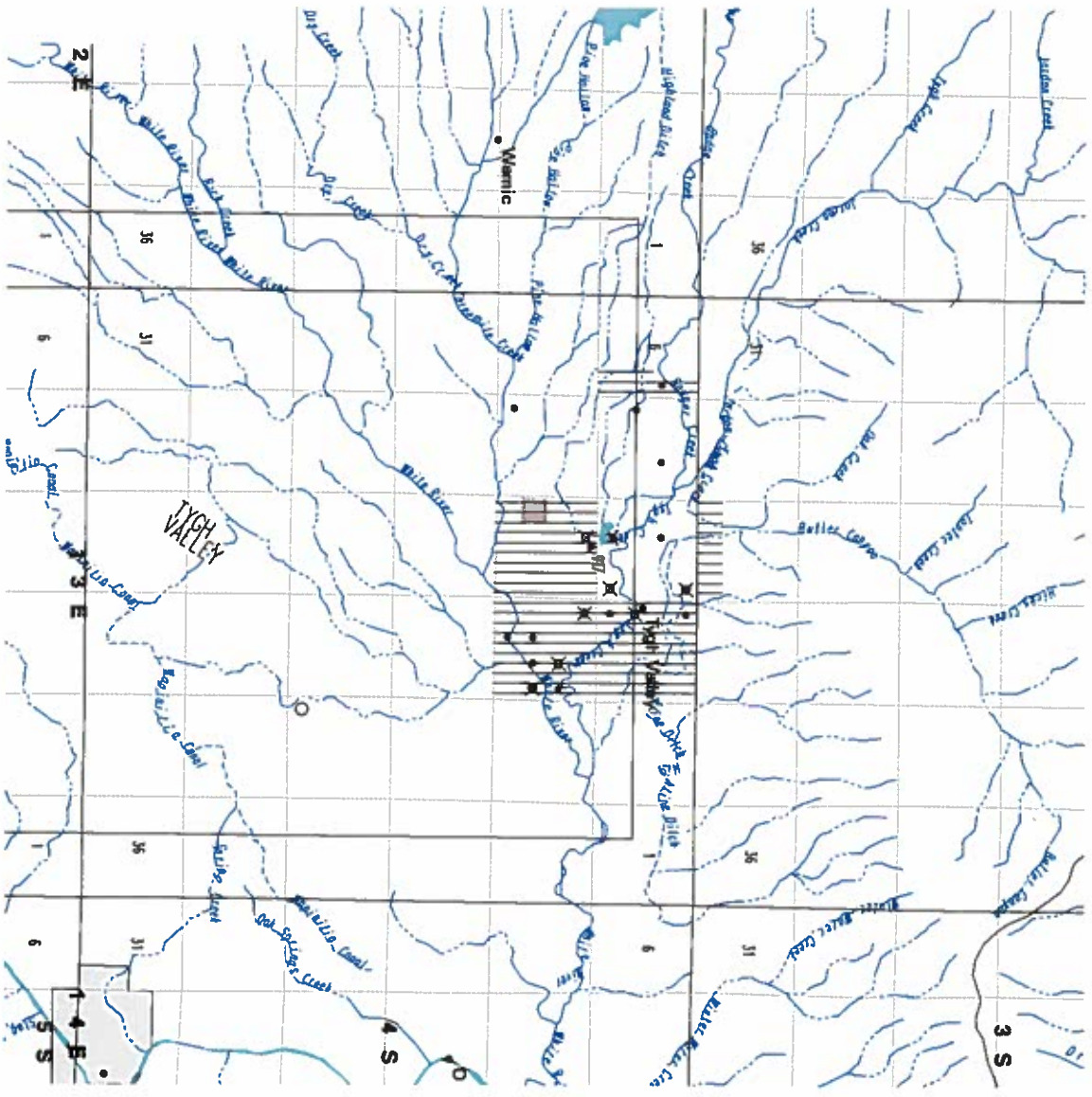
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Wells in the vicinity of application G 14945

- 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)
- ✕ 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 G14945
 DO 23
 ID 4
 IM 8
 MU 2

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14945

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G 9943	G 9549	4.00S13.00E 4NENE	IC	0.2600	C
2	G 6624	G 6034	4.00S13.00E 3NWSW	QM	0.5000	C
3	G 4412	G 4158	4.00S13.00E 4SESW	IM	0.2200	C
3	G 12247	G 11294	4.00S13.00E 4SESW	IR	0.2500	C
4	G 6624	G 6034	4.00S13.00E 4SESE	QM	0.5000	C
5	G 5328	G 5280	4.00S13.00E 9NENW	IR	0.0600	C
5	G 5328	G 5280	4.00S13.00E 9NENW	IR	0.1300	C
5	G 5328	G 5280	4.00S13.00E 9NENW	IR	0.1900	C
6	G 6624	G 6034	4.00S13.00E10NWNW	QM	0.5000	C
7	G 7453	G 6945	4.00S13.00E10SWNE	IM	0.8900	C
8	U 7	U 7	4.00S13.00E10NESE	IR	0.0600	C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 14945

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G 12798	G 12172	4.00S12.00E10SWSW	7BG
1	G 12798	G 12172	4.00S12.00E10SWSW	7BR
1	G 12798	G 12172	4.00S12.00E10SWSW	7BG
1	G 12798	G 12172	4.00S12.00E10SWSW	7BR
2	G 13747	G 12414	4.00S13.00E23SWSW	7BG
2	G 13747	G 12414	4.00S13.00E23SWSW	7BR
2	G 13747	G 12414	4.00S13.00E23SWSW	7JG
2	G 13747	G 12414	4.00S13.00E23SWSW	7JR

APPLICATION G 14945 FALLS WITHIN THESE QUAD(S)

TYGH VALLEY
