

TO: Water Rights Section

Dec 5, 1997

FROM: Groundwater/Hydrology Section Marc A Norton

Reviewer's Name

SUBJECT: Application G-14637

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 Roderick Ck; 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) 7B, 7C;
 - 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)

G-14637

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)

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE # G-14637

ROUTED TO: W.R.

TOWNSHIP/

RANGE-SECTION: 1N/4W-21

CONDITIONS ATTACHED? Yes No

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Marc A. Nator

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Ground Water/Hydrology
FROM: Marc Norton
SUBJECT: Groundwater Application G- 14637

Date 12/5/97

Applicant(s) seek 90 gpm (_____ cfs) from one wells in the Williamette basin
Applicants Name: Parkin Tualatin sub basin
Proposed Use: Mining, Industrial, Irrigation Gales Creek sub basin

Pertinent 7 & 1/2 minute Quads Gales Creek

Well 1 WRD# ^{WASH} 53332 T 1N R 4W S 21 QQ CCA County Washington

Legal Description _____
Well is 250 ft from Roderick Ck (river/stream)
Well is _____ ft from _____ (river/stream)
Well Elevation 290 ft River/Stream elevation 260 ft.
Well Elevation - River/Stream elevation ± 30 ft.
Well depth 170 ft SWL +23 ft on 7/2/97
Sealed to 77 ft Depth first water found 160 ft
Cased to 77 ft Perforations/screens 154-165 ft
Lined to 170 ft Perforations/screens _____ ft
Well test and types 45 GPM Air Test & 20 GPM Flow test

(Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES ~~NO~~
Potential to cause substantial interference? NO

Well _____ WRD# _____ T _____ R _____ S _____ QQ _____ County _____

Legal Description _____
Well is _____ ft from _____ (river/stream)
Well is _____ ft from _____ (river/stream)
Well Elevation _____ ft River/Stream elevation _____ ft.
Well Elevation - River/Stream elevation _____ ft.
Well depth _____ ft SWL _____ ft on _____
Sealed to _____ ft Depth first water found _____ ft
Cased to _____ ft Perforations/screens _____ ft
Lined to _____ ft Perforations/screens _____ ft
Well test and types _____

(Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES / NO
Potential to cause substantial interference? _____

Comments: _____

References Used: _____

Wash
52332

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

L12946

RECEIVED

JUL - 8 1997

WATER RESOURCES DEPT. (START CARD) # 099622
SALEM, OREGON

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name MALNERICH CONSTRUCTION
Address 2575 NE KATHYRN ST.
City HILLSBORO State OR. Zip 97124

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 170 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
10	0	62	Cement	0	62	3 sacks
8	62	77	Cement	62	77	
6	77	170				

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+3	77	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:	5"	65	170	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method TORCH
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
154	165	1/2x12	22			<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> Artesian
Yield gal/min	Drawdown	Drill step at	Time
45		160	1 hr.
20		SURFACE	

Temperature of water 49° F Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom AMT
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude _____ Longitude _____
Township 1N N or S Range 4W E or W. WM.
Section 21 NW 1/4 SW 1/4
Tax Lot 500 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) RODERICH RD.

(10) STATIC WATER LEVEL:
_____ ft. below land surface. Date _____
Artesian pressure 10 lb. per square inch. Date 07/02/97

(11) WATER BEARING ZONES:
Depth at which water was first found 160

From	To	Estimated Flow Rate	SWL
160	165	45 GPM	FLOWING

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Sticky brown clay	0	8	Flowing
Soft brown clay	8	16	
Sticky gray clay	16	52	
Firm to Med. fine gravel	52	56	
Firm gray claystone	56	70	
Firm gray-black sandstone	70	170	

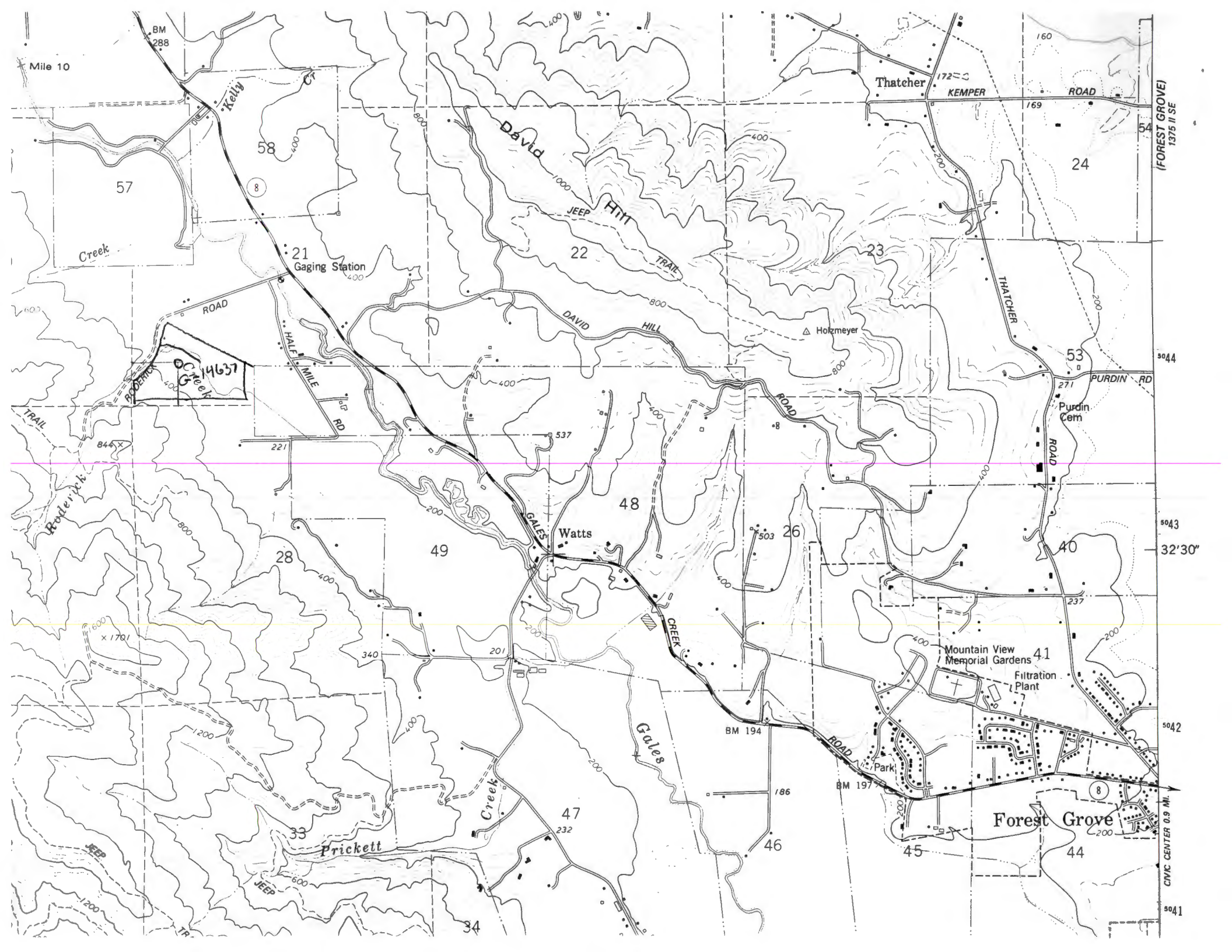
Date started 06/28/97 Completed 07/02/97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the time reported above. The work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266
Signed _____ Date 07/03/97



Mile 10

BM 288

Kelly

Thatcher

KEMPER

ROAD

(FOREST GROVE)
1375 II SE

57

58

21
Gaging Station

22

23

24

David Hill
JEEP TRAIL

Holtmeyer

THATCHER ROAD

ROAD

HALF MILE

14637

Gales Creek

53

PURDIN RD

3044

Purdin Cem

221

537

400

ROAD

ROAD

3043

Roderick Creek

Watts

48

503

26

40

32'30"

28

49

400

200

400

237

Mountain View
Memorial Gardens

41

Filtration
Plant

3042

BM 194

BM 197

Park

Forest Grove

8

CIVIC CENTER 0.5 MI.

3041

Prickett

47

232

46

45

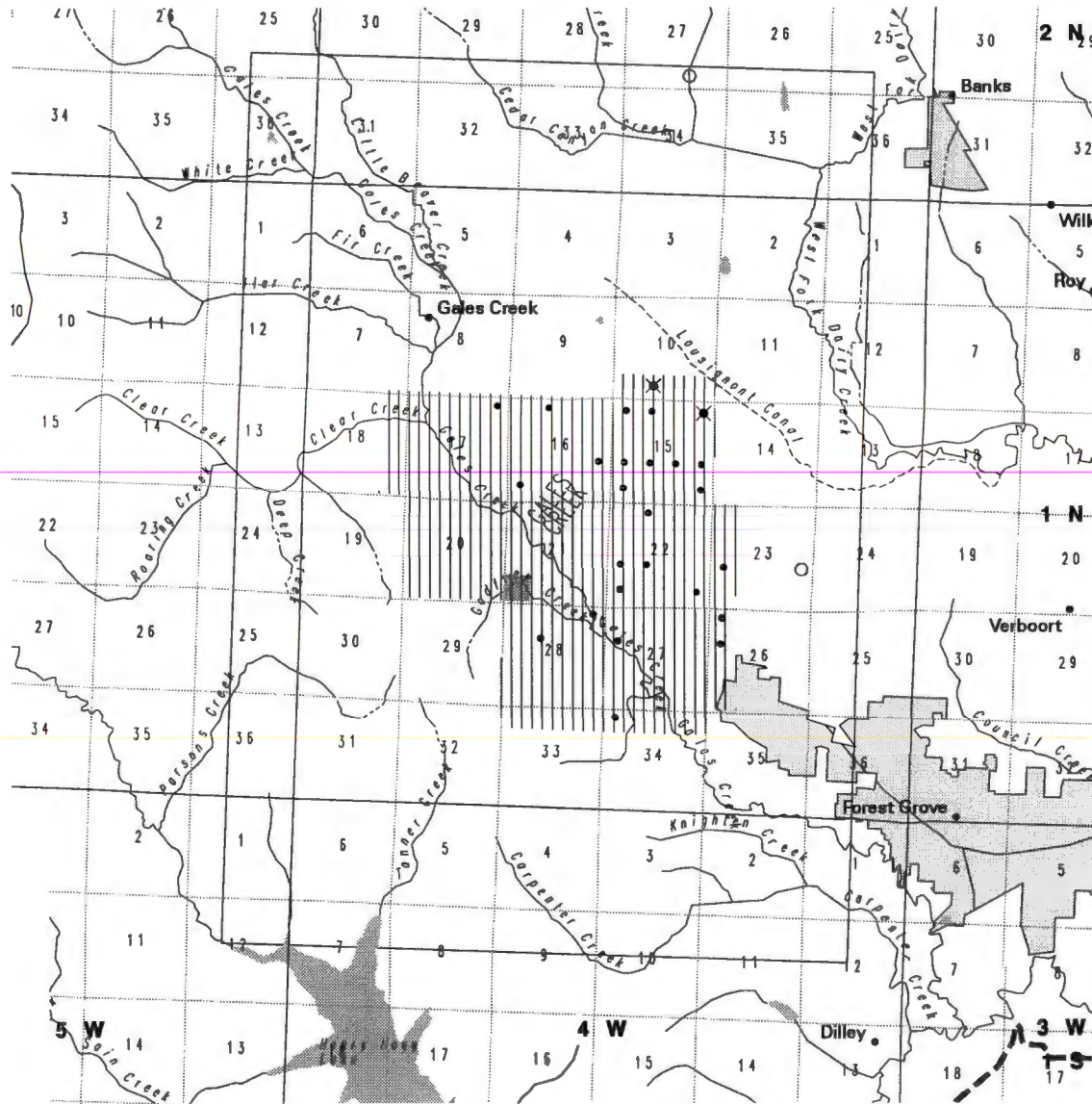
44

34

TR

Wells in the vicinity of application G 14637

- 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)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- Critical GW Area
- ⊗ 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 14637
 DO 88
 IR 2

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14637

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	GR 419	GR 400	1.00N 4.00W10SESW	ID	20.0000	G
2	G 5126	G 4779	1.00N 4.00W15NENE	IR	0.3300	C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 14637

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G 13205	G 12164	2.00N 4.00W27SWSE	7BG
1	G 13205	G 12164	2.00N 4.00W27SWSE	7BR
2	G 13425	G 11803	1.00N 4.00W23NESE	4LG
2	G 13425	G 11803	1.00N 4.00W23NESE	4LW
2	G 13425	G 11803	1.00N 4.00W23NESE	4LG
2	G 13425	G 11803	1.00N 4.00W23NESE	4LW

APPLICATION G 14637 FALLS WITHIN THESE QUAD(S)

GALES CREEK

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

\$RECNO	NAME1	NAME2	SUB-AREA	STATUS
1	CHEHALEM MOUNTAIN			LIMI
