

Application No. G13929

Name PERRYDALE DOMESTIC WATER ASSN

Permit No. G12721

By .....

Address 114.75 W. PERRYDALE ROAD

Certificate No. ....

503-835-7221

Stream Index, Page No. 2 B

**FEES PAID**

Date	Amount	Receipt No.
12-28-94	450.00	19349
Public Notice 1/16/96	250.00	131557
EXT. 10/1/99	100.00	33467
	Cert. Fee	

Date filed .....

Priority .....

Action suspended until A97  
on ext db

Return to applicant .....

Date of approval .....

**ASSIGNMENTS**

Date	To Whom	Address	Volume	Page

**CONSTRUCTION**

Date for beginning AUG 28 1997

Date for completion OCT 01 1998

Extended to .....

Date for application of water OCT 01 1999

Extended to .....

**REMARKS**

*\* See Also: G11935*

**PROSECUTION OF WORK**

Form "A" filed .....

Form "B" filed .....

Form "C" filed .....

**FINAL PROOF**

Blank mailed .....

Proof received .....

Date certificate issued .....



# Oregon

Kate Brown, Governor

## Water Resources Department

North Mall Office Building

725 Summer St NE, Ste A

Salem, OR 97301

Phone: 503-986-0900

Fax: 503-986-0904

[www.Oregon.gov/OWRD](http://www.Oregon.gov/OWRD)

December 17, 2021

Perrydale Domestic Water Association  
ATTN: Steve Rolston  
11475 W Perrydale Rd.  
Amity, OR 97101

Reference: Application G-13929, Permit G-12721; Application G-18166, Permit G-17909; and Application G-17130, Permit G-16772

Dear Applicant,

The Department received an Applications for Extension of Time on December 10, 2021, requesting to extend the date to apply water to full beneficial use under the terms and conditions of the permits to October 1, 2040.

Upon reviewing the application, the Department has considered the application incomplete. The Applications were not accompanied by a complete list of all water rights held by Perrydale Domestic Water Association.

Additionally, upon review, the Applications for Permits G-17909, and G-12721 are premature as the date for complete application of water is still significantly in the future, and the Application for Permit G-16772 will also need to provide additional information beyond what was included in the Application submitted on December 10, 2021, and likely an update to the date being requested for complete application of water authorized under the permit. Please review the items below, and provide the requested clarifications upon resubmittal.

The date for complete application of water under Permit G-12721 is October 1, 2025. The date for complete application of water under Permit G-17909 is November 7, 2022. At this time, Perrydale Domestic Water Association has time left for development under both of these permit. An Application for Extension of Time for these permits will need to be submitted at a time either closer to the prescribed completion date, or after the completion date has passed.

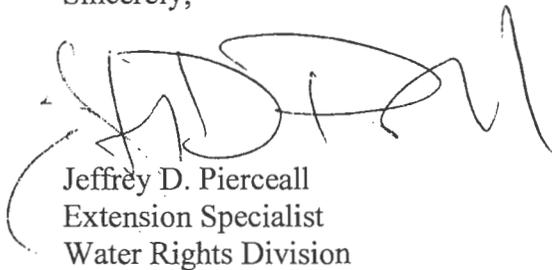
The Application for Extension of Time for Permit G-16772 does not appear to demonstrate that complete application of water can be accomplished within the time requested, being by October 1, 2040. To approve an Application for Extension of Time, OAR 690-315-0080(1)(d) requires the Department can find that the applicant can complete the project within the time requested in the Application. Permit G-16772 authorized the use of up to 2.23 cfs of water from one well (Well L-5). Based on the projected future demand, of 1.63 cfs by 2040, full development of this permit would not occur until sometime after 2040.



Another note related to all three applications submitted is that some of the work actions accomplished under the individual permits should not be included as it is not considered work associated with this permit. Specifically is the inclusion of wells constructed under other permits, if they are not currently authorized by the subject permit of the Application. Though much of the work on the water delivery system may be inclusive under all of the permits which utilize the piping network to distribute the water, the construction of wells should only be included in the Application where the subject permit authorizes the well that was constructed. For example, the Permit G-16772 authorizes the use of water from one well identified as L-5. The Application for Extension for this permit includes the construction of wells R6, R7, and R9, which would not be considered work accomplished under Permit G-16772, because the wells are not authorized by the permit. Items that are not associated with work accomplished under the subject permit of the Application will not be included in the considerations during the extension process.18166

If you have any other questions please do not hesitate to contact me at 503-979-3213.

Sincerely,



Jeffrey D. Pierceall  
Extension Specialist  
Water Rights Division

## FINDINGS OF FACT

The Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated June 30, 2020.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

### CONDITIONS

1. **Monitoring Plan**

The use of water under this permit is subject to annual submittal of static water level measurements, and other provisions of the monitoring and reporting plan dated February 2, 2000. The water user may submit a request for modification of this monitoring and reporting plan, which may be approved by the Department.

2. **Development Limitations**

A maximum appropriation of 1.05 cfs of water is currently allowed under Permit G-12721. Any appropriation of water beyond 1.05 cfs (not to exceed the maximum amount authorized under the permit, being 4.00 cfs) shall only be authorized upon issuance of a final order approving a Water Management and Conservation Plan(s) (WMCP) under OAR Chapter 690, Division 86 that grants access to a greater rate of appropriation of water under the permit consistent with OAR 690-086-0130(7). The required WMCP shall be submitted to the Department within 3 years of this Final Order. Use of water under Permit G-12721 must be consistent with this and subsequent WMCP's approved under OAR Chapter 690, Division 86 on file with the Department.

The Development Limitation established in the above paragraph supersedes any prior limitation of the appropriation of water under Permit G-12721 that has been established under a prior WMCP or Extension final order issued by the Department.

The deadline established in the Extension Final Order for submittal of a WMCP shall not relieve a permit holder of any existing or future requirement for submittal of a WMCP at an earlier date as established through other orders of the Department. A WMCP submitted to meet the requirements of this order may also meet the WMCP submittal requirements of other Department orders.

### CONCLUSION OF LAW

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.630, 539.010(5) and OAR 690-315-0080(3).



**Mailing List for Extension FO Copies**

**FO Date: April 9, 2021**

**Application G-13929  
Permit G-12721**

<p><b>Copies Mailed</b></p> <p>By: <u>TM</u> (SUPPORT STAFF)</p> <p>on: <u>4/9/2021</u> (DATE)</p>
--

**Original mailed to permit holder:**

Perrydale Domestic Water Association  
Attn: Steve Caldwell  
11475 W. Perrydale Road  
Amity, OR 97101

**Copies sent to:**

1. WRD - App. File G-13929/ Permit G-12721
2. Agent &/or CWRE representing the Permit Holder

**Fee paid as specified under ORS 536.050 to receive copy:**

3. None

**Receiving electronic copy via e-mail (10 AM day of signature date)**  
(DONE BY EXTENSION SPECIALIST)

1. WRD - Watermaster District 22, #N/A

CASEWORKER: JDP

PERRYDALE DOMESTIC WATER ASSN  
 114.75 W PERRYDALE ROAD  
 503-835-7221

Application No. G13829  
 Permit No. G12721  
 Certificate No. \_\_\_\_\_  
 Stream Index, Page No. 23

FEES PAID		
Date	Amount	Receipt No.
12-21-90	450.00	19349
Public Notice April 16/96	250.00	13158
EXT 12/1/92	100.00	33467
Cert. Fee		
FEES REFUNDED		
Date	Amount	Check No.

Filed \_\_\_\_\_  
 by \_\_\_\_\_  
 1 suspended until \_\_\_\_\_  
 n to applicant \_\_\_\_\_  
 of approval \_\_\_\_\_

ASSIGNMENTS				
Date	To Whom	Address	Volume	Page

**CONSTRUCTION**  
 for beginning AUG 28 1997  
 for completion OCT 01 1999  
 extended to \_\_\_\_\_  
OCT 01 1999  
 for application of water \_\_\_\_\_  
 extended to \_\_\_\_\_

**REMARKS**  
 \* See Also: G11935

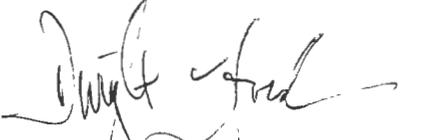
**PROSECUTION OF WORK**  
 n "A" filed \_\_\_\_\_  
 n "B" filed \_\_\_\_\_  
 n "C" filed \_\_\_\_\_

**FINAL PROOF**  
 ik mailed \_\_\_\_\_  
 of received \_\_\_\_\_  
 e certificate issued \_\_\_\_\_

## ORDER

The extension of time for Application G-13929, Permit G-12721, therefore, is approved subject to conditions contained herein. The deadline for completing construction is extended from October 1, 1998, to October 1, 2025. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 1999, to October 1, 2025.

DATED: April 9, 2021



Dwight French  
Water Right Services Division Administrator, for  
Thomas M. Byler, Director  
Oregon Water Resources Department

---

If you have any questions about statements contained in this document, please contact Mabelle A Bamberger at (503) 986-0802.

If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900.

---

**Mailing List for Extension PFO Copies**

**PFO Date: June 30, 2020**

**Application G-13929  
Permit G-12721**

<b>Copies Mailed</b>
By: <u>TM</u> (SUPPORT STAFF)
on: <u>7/2/2020</u> (DATE)

**Original mailed to Applicant:**

Perrydale Domestic Water Association  
Attn: Steve Caldwell  
11475 W. Perrydale Road  
Amity, OR 97101

**Copies sent to:**

1. WRD - App. File G- 13929 / Permit G-12721
2. Agent &/or CWRE representing applicant

**Fee paid as specified under ORS 536.050 to receive copy:**

3. None

**Receiving electronic copy via e-mail (10 AM Tuesday of signature date)**

4. WRD - Watermaster District 22 – #N/A
5. WRD - *\*If WMCP needed* – Kerri Cope, Water Supply and Conservation Team (WMCP)  
*Done by \_\_\_\_\_ Date \_\_\_\_\_*

CASEWORKER: JDP

**Oregon Water Resources Department**  
Water Right Services Division

**Application for Extension of Time**

In the Matter of the Application for an Extension of Time ) PROPOSED  
for Permit G-12721, Water Right Application G-13929, ) FINAL  
in the name of the Perrydale Domestic Water Association ) ORDER

---

**Permit Information**

**Application File G-13929 / Permit G-12721**

Basin 2B – Middle Willamette Basin / Watermaster District 22

Date of Priority: December 28, 1994

**Authorized Use of Water**

Source of Water: eighteen wells within the Willamette River Basin

Purpose or Use: Quasi-Municipal

Maximum Rate: 4.0 Cubic Feet per Second (cfs)

---

**This Extension of Time request is being processed in accordance with Oregon  
Administrative Rule Chapter 690, Division 315.**

***Please read this Proposed Final Order in its entirety as it contains  
additional conditions not included in the original permit.***

This Proposed Final Order applies only to Permit G-12721, water right Application G-13929.

**Summary of Proposed Final Order for Extension of Time**

**The Department proposes to:**

- Grant an extension of time to complete construction from October 1, 1998, to October 1, 2025.
- Grant an extension of time to apply water to full beneficial use from October 1, 1999, to October 1, 2025.
- Make the extension of time subject to certain conditions as set forth below.

## **ACRONYM QUICK REFERENCE**

Department – Oregon Department of Water Resources  
PFO – Proposed Final Order  
WMCP – Water Management and Conservation Plan  
Association – Perrdyale Domestic Water Association

### **Units of Measure**

cfs – cubic feet per second  
gpm – gallons per minute

## **AUTHORITY**

**Generally, see ORS 537.630 and OAR Chapter 690 Division 315.**

**ORS 537.630(2)** provides in pertinent part that the Oregon Water Resources Department (Department) for good cause shown shall order and allow an extension of time within which irrigation or other works shall be completed or the right perfected. In determining the extension, the Department shall give due weight to the considerations described under ORS 539.010(5) and to whether other governmental requirements relating to the project have significantly delayed completion of construction or perfection of the right.

**ORS 539.010(5)** provides in pertinent part that the Water Resources Director, for good cause shown, may extend the time within which the full amount of the water appropriated shall be applied to a beneficial use. This statute instructs the Director to consider: the cost of the appropriation and application of the water to a beneficial purpose; the good faith of the appropriator; the market for water or power to be supplied; the present demands therefore; and the income or use that may be required to provide fair and reasonable returns upon the investment.

**OAR 690-315-0080** provides in pertinent part that the Department shall make findings to determine if an extension of time for quasi-municipal water use permit holders may be approved to complete construction and/or apply water to full beneficial use.

**OAR 690-315-0050(5)** authorizes the Department to include in an extension order, but is not limited to, any condition or provision needed to: ensure future diligence; mitigate the effects of the subsequent development on competing demands on the resource; and periodically document the continued need for the permit.

**OAR 690-315-0090(4-5)** provides in pertinent part that quasi-municipal water use permit holders that serve a population of less than 1000 and/or can reasonably demonstrate that fewer than five years is necessary to complete construction and apply the water to beneficial use are not subject to OAR 690-315-0090(3) unless on review of the certain criteria the Department determines that compliance is necessary.

## FINDINGS OF FACT

1. On August 28, 1996, Permit G-12721 was issued by the Department. The permit authorizes the use of up to 4.0 cfs of water, from eighteen wells within the Willamette River Basin for quasi-municipal use. It specified construction of the water development project was to be completed by October 1, 1998, and complete application of water was to be made on or before October 1, 1999.
2. Due to an ongoing permit extension rulemaking, in 1998 the Department stopped processing pending Applications for Extension of Time for municipal and quasi-municipal permits, and did not require municipal and quasi-municipal water use permit holders to submit Applications for Extension of Time during the rulemaking process.
3. On October 1, 1999, the permit holder submitted an “Application for Extension of Time” (Application) to the Department, requesting the time to complete construction be extended from October 1, 1998, to October 1, 2060, and the time to apply water to full beneficial use under the terms and conditions of Permit G-12721 be extended from October 1, 1999, to October 1, 2060. This is the first extension of time request for Permit G-12721.
4. Notification of the Application for Extension of Time for Permit G-12721 was published in the Department’s Public Notice. Comments were received from John Elegant and Carla Cudmore, who represent a group of more than 30 nearby residents.
5. On November 13, 2000, the Department received a letter from the Association agreeing to delay additional well development under the permit until June 30, 2001, to allow for additional static water level measurements.
6. On November 14, 2001, the Association submitted a proposal to the Department to limit the production of water under the permit through October 31, 2003, to allow for additional static water level measurements.
7. Municipal and quasi-municipal water use permit extension rules OAR 690-315-0070 through 690-315-0100 became effective on November 1, 2002. The rules were subsequently amended, and the amended rules became effective on November 22, 2005.
8. Effective August 15, 2017, HB 2099 (Chapter 704, 2017 Oregon Laws), modifies the definition of the undeveloped portion of a municipal water right permit for the purpose of determining the amount of water that may be subject to fish persistence conditioning and diversion limitations to specify that the undeveloped portion of a municipal permit is the amount of water that has not been diverted as of the later of June 29, 2005, or the date specified in the permit or last approved extension.
9. On April 24, 2020, the Association submitted an amendment and additional information to update their Application for Extension of Time. The amendment requested the extended time to complete construction be changed from October 1, 2060, to October 1,

2025, and the extended time to apply water to full beneficial use be changed from October 1, 2060, to October 1, 2025.

**Review Criteria for Quasi-Municipal Water Use Permits [OAR 690-315-0080(1)]**

*The time limits to complete construction and/or apply water to full beneficial use may be extended if the Department finds that the permit holder has met the requirements set forth under OAR 690-315-0080. This determination shall consider the applicable requirements of ORS 537.230<sup>1</sup>, 537.630<sup>2</sup> and/or 539.010(5)<sup>3</sup>*

**Complete Extension of Time Application [OAR 690-315-0080(1)(a)]**

10. On October 1, 1999, the Department received an Application for Extension of Time and the fee specified in ORS 536.050 from the permit holder.

**Start of Construction [OAR 690-315-0080(1)(b)]**

11. Actual construction of the well began prior to the August 28, 1997 deadline specified in the permit.
12. According to Well Log received by the Department on March 19, 1996, POLK 50048 (Well R-4a) began February 27, 1996.

**Duration of Extension [OAR 690-315-0080(1)(c) and (1)(d)]**

*Under OAR 690-315-0080(1)(c),(d), in order to approve an extension of time for quasi-municipal water use permits the Department must find that the time requested is reasonable and the applicant can complete the project within the time requested.*

13. Work under the permit is complete. An extension of time is necessary to allow time to demonstrate compliance with conditions under the permit, and to address any other issues that arise while preparing a claim of beneficial use.
14. As of June 29, 2005, the permit holder had appropriated 1.05 cfs of the 4.0 cfs of water authorized under Permit G-12721 for quasi-municipal purposes. It is the intent of the Association to prepare a claim of beneficial use which demonstrates a rate of appropriation that is less than the 4.0 cfs authorized under the permit.
15. In addition to the 4.0 cfs of water authorized under Permit G-12721, Perrydale Domestic Water Association holds the following rights:
  - Certificate 60002 for 0.2 cfs of water from well within the Willamette River Basin;
  - Certificate 90023 for 0.42 cfs of water from well within the Middle Willamette River Basin;

---

<sup>1</sup> ORS 537.230 applies to surface water permits only.

<sup>2</sup> ORS 537.630 applies to ground water permits only.

<sup>3</sup> ORS 539.010(5) applies to surface water and ground water permits.

- Certificate 94064 for 0.27 cfs of water from well within the Willamette River Basin;
- Permit G-5655 for 0.33 cfs of water from well within the Willamette River Basin;
- Permit G-6352 for 0.2 cfs of water from well within the Willamette River Basin.
- Permit G-10987 for 0.13 cfs of water from a well within the Willamette River Basin;
- Permit G-16772 for 2.23 cfs of water from a well in the Willamette River Basin; and
- Permit G-17909 for 2.0 cfs of water from a well in the Willamette river Basin.

Perrydale Domestic Water Association's permits and certificates total 9.58 cfs of ground water.

16. Of the 9.58 cfs of water authorized by the Associations water right certificates, transfers, and permits, actual use is limited as follows:

- Certificate 60002 is reserved for emergency use due to water quality issues;
- Permit G-10987 is reserved for emergency use due to water quality issues;
- Permit G-5655, modified by Transfer T-10935 is limited to a period of use of March 1 – October 31 and a maximum diversion of 208.25 acre-feet annually;
- Permit G-16772 may be regulated based on minimum bypass flows in the Willamette River.

These limitations result in 6.69 cfs of water authorized that may be reasonably utilized year-round.

17. Perrydale Domestic Water Association's peak water demand within its service area boundaries was 1.21 cfs in 2019.
18. According to the Application, in 2019, the population within the service boundary of Perrydale Domestic Water Association is estimated at 2,506, based on an average of 2.8 persons per household and 895 current service connections. Perrydale Domestic Water Association estimates the population to increase at an estimated growth rate of 1.45 percent per year, reaching an estimated population of 2,732 by the year 2025.
19. According to the Application, their peak demand is projected to be approximately 1.32 cfs of water by the year 2025.
20. Perrydale Domestic Water Association maintains a reciprocal agreement with Rickreall Water Association for temporary emergency water supply.
21. Current development of Permit G-12721 is needed to meet the present and future water demands of Perrydale Domestic Water Association, including system redundancy and emergency use.

22. Given the amount of development left to occur, the Department has determined that the permit holder's request to have until October 1, 2025, to complete construction and to accomplish the application of water to beneficial use under the terms of Permit G-12721 is both reasonable and necessary.

**Good Cause [OAR 690-315-0080(1)(e) and (3)(a-g)and (4)]**

*The Department's determination of good cause shall consider the requirements set forth under OAR 690-315-0080(3).*

**Reasonable Diligence and Good Faith of the Appropriator [OAR 690-315-0080(3)(a),(3)(c) and (4)]**

*Reasonable diligence and good faith of the appropriator must be demonstrated during the permit period or prior extension period as a part of evaluating good cause in determining whether or not to grant an extension. In determining the reasonable diligence and good faith of a quasi-municipal water use permit holder, the Department shall consider activities associated with the development of the right including, but not limited to, the items set forth under OAR 690-315-0080(4) and shall evaluate how well the applicant met the conditions of the permit or conditions of a prior extension period.*

23. Actual construction of the well and water system began prior to the August 28, 1997, deadline specified in the permit.
24. Work was accomplished (specified in the Application for Extension of Time) during the original development period under the permit.
25. During the original development time frame under Permit G-12721, the following work was completed by the Association:
- constructed POLK 50227 (Well R-3), POLK 50228 (Well R-2), and POLK 50226 (Well R-1),
  - reconstructed POLK 50048 under POLK 50365 (Well R-4);
  - installed meters on Well R-1, Well R-2, Well R-3, and Well R-4;
  - constructed 53,000 gallon reservoir;
  - installed more than 17,000 feet of various sized transmission pipe; and
  - added twenty new service connections.
26. Since October 1, 1999, the Association has accomplished the following work:
- constructed POLK 51165 (Well R-6), POLK 51170 (Well R-9), and POLK 51208 (Well R-7);
  - constructed POLK 52141 (Observation Well);
  - gained approval of a ground water monitoring plan;
  - constructed 300,000 gallon reservoir;
  - completed Water Master Plan update;
  - installation of new valves and transmission pie extensions;
  - added 340 new service connections; and
  - performed general system maintenance and repair.

27. As of April 24, 2020, the Association has invested approximately \$3,539,288, which is the total cost for complete development of this project.
28. As of June 29, 2005, 1.05 cfs of the 4.0 cfs allowed has been appropriated for beneficial quasi-municipal purposes under the terms of this permit.
29. The Department has considered the permit holder's compliance with conditions, and has identified the following concerns: (1) the record does not show that a meter or other suitable measuring device has been installed on Well R-6, Well R-9, and Well R-7 by October 1, 1999, (2) the required plan to monitor and report the impact of water use on water levels in the aquifer was not received by the Department by October 1, 1999, and (3) the first annual report of the amount of water used each month was not received by the Department by October 1, 1999.
30. Since October 1, 1999, the Association has demonstrated compliance with all permit conditions.

**Cost to Appropriate and Apply Water to a Beneficial Purpose [OAR 690-315-0080(3)(b)]**

31. As of April 24, 2020, the permit holder invested \$3,539,288, which is the total projected cost for complete development of this project.

**The Market and Present Demands for Water [OAR 690-315-0080(3)(d)]**

32. As described in Findings 15 through 21 above, Perrydale Domestic Water Association has indicated, and the Department finds that Perrydale Domestic Water Association must rely exclusively on its ground water right certificates, transfers, and permits within the Willamette River Basin.
33. Perrydale Domestic Water Association projects a population increase of 1.45 percent per year over a 6 year period, being years 2019 to 2025.
34. Given the current water supply situation of Perrydale Domestic Water Association, as well as current and expected demands including system redundancy and emergency use, there is a market and present demand for the water to be supplied under Permit G-12721.
35. OAR 690-315-0050(5) provides for extension orders to include, but are not limited to, any condition or provision needed to ensure future diligence, and/or mitigate the effects of the subsequent development on competing demands on the resource. The Department has determined based on the condition in the permit requiring submittal of a plan to monitor and report the impact of water use under the permit on water levels in the aquifer, and concerns of potential declines effecting neighboring wells, to condition this extension to incorporate the requirements under the approved monitoring plan as a condition of the permit and subsequent certificates.

36. OAR 690-315-0090(3) requires the Department to place a condition on this extension of time to provide that appropriation of water beyond 1.05 cfs (not to exceed the maximum amount authorized under this permit, being 4.00 cfs) under Permit G-12721 shall only be authorized upon issuance of a final order approving a Water Management and Conservation Plan(s) (WMCP) under OAR Chapter 690, Division 86 that grants access to a greater rate of appropriation of water under this permit consistent with OAR 690-086-0130(7). A “Development Limitation” condition” is specified under Item 2 of the “Conditions” section of this PFO to meet this requirement.

**Fair Return Upon Investment [OAR 690-315-0080(3)(e)]**

37. Use and income from the permitted water development project would likely result in reasonable returns upon the investment made in the project to date.

**Other Governmental Requirements [OAR 690-315-0080(3)(f)]**

38. Delays caused by any other governmental requirements in the development of this project have not been identified.

**Events which Delayed Development under the Permit [OAR 690-315-0080(3)(g)]**

39. According to Application, delay of development under Permit G-12721 was due, in part, to the size and scope of the quasi-municipal water system, which was designed to be phased in over a period of years, and to the availability of funding to expand the water supply system.

**CONCLUSIONS OF LAW**

1. The applicant is entitled to apply for an extension of time to complete construction and completely apply water to the full beneficial use pursuant to ORS 537.630(1).
2. The applicant has submitted a complete extension application form and the fee specified under ORS 536.050(1)(k), as required by OAR 690-315-0080(1)(a).
3. The applicant complied with begin actual construction timeline requirements pursuant to ORS 537.630 as required by OAR 690-315-0080(1)(b).
4. The time requested to complete construction and apply water to beneficial use is reasonable, as required by OAR 690-315-0080(1)(c).
5. Completion of construction and application of water to beneficial use can be completed by October 1, 2025<sup>4</sup> pursuant to OAR 690-315-0080(1)(d).

---

<sup>4</sup> Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use.

6. The Department has considered the reasonable diligence and good faith of the appropriator, the cost to appropriate and apply water to a beneficial purpose, the market and present demands for water to be supplied, the financial investment made and the fair return upon the investment, the requirements of other governmental agencies, and unforeseen events over which the water right permit holder had no control, and the Department has determined that the permit holder has shown good cause for an extension of time to apply the water to full beneficial use pursuant to OAR 690-315-0080(1)(e).
7. As authorized in OAR 690-315-0050(5) and as described in Finding 35 above, the Department has established, as specified under Item 1 of the “Conditions” section of this PFO, a static water level measurement and reporting condition.
8. As required by OAR 690-315-0090(3) and as described in Finding 36, above, and specified under Item 2 of the “Conditions” section of this PFO, the appropriation of water beyond 1.05 cfs (not to exceed the maximum amount authorized under this permit, being 4.00 cfs) under Permit G-12721 shall only be authorized upon issuance of a final order approving a Water Management and Conservation Plan(s) (WMCP) under OAR Chapter 690, Division 86 that grants access to a greater rate of appropriation of water under the permit consistent with OAR 690-086-0130(7).

### **Proposed Order**

Based upon the foregoing Findings of Fact and Conclusions of Law, the Department proposes to issue an order to:

extend the time to complete construction under Permit G-12721 from October 1, 1998, to October 1, 2025.

extend the time to apply the water to beneficial use under Permit G-12721 from October 1, 1999, to October 1, 2025.

Subject to the following conditions:

### **CONDITIONS**

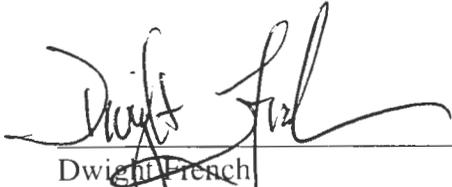
1. **Monitoring Plan**  
The use of water under this permit is subject to annual submittal of static water level measurements, and other provisions of the monitoring and reporting plan dated February 2, 2000. The water user may submit a request for modification of this monitoring and reporting plan, which may be approved by the Department.
2. **Development Limitations**  
A maximum appropriation of 1.05 cfs of water is currently allowed under Permit G-12721. Any appropriation of water beyond 1.05 cfs (not to exceed the maximum amount authorized under the permit, being 4.00 cfs) shall only be authorized upon

issuance of a final order approving a Water Management and Conservation Plan(s) (WMCP) under OAR Chapter 690, Division 86 that grants access to a greater rate of appropriation of water under the permit consistent with OAR 690-086-0130(7). The required WMCP shall be submitted to the Department within 3 years of this Final Order. Use of water under Permit G-12721 must be consistent with this and subsequent WMCP's approved under OAR Chapter 690, Division 86 on file with the Department.

The Development Limitation established in the above paragraph supersedes any prior limitation of the appropriation of water under Permit G-12721 that has been established under a prior WMCP or Extension final order issued by the Department.

The deadline established in the Extension Final Order for submittal of a WMCP shall not relieve a permit holder of any existing or future requirement for submittal of a WMCP at an earlier date as established through other orders of the Department. A WMCP submitted to meet the requirements of this order may also meet the WMCP submittal requirements of other Department orders.

DATED: June 30, 2020

  
Dwight French  
Water Right Services Division Administrator

*If you have any questions, please check the information box on the last page for the appropriate names and phone numbers.*

#### Proposed Final Order Hearing Rights

1. Under the provisions of OAR 690-315-0100 and 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may submit a written protest to the proposed final order. The written protest must be received by the Water Resources Department no later than **August 14, 2020**, being 45 days from the date of publication of the proposed final order in the Department's weekly notice.

**IMPORTANT:** Due to COVID-19, the Department's office is closed to walk-in services. The Department encourages the submission of protests by U.S. mail. Please consider mailing early to ensure the Department receives the protest by the deadline specified above.

2. A written protest shall include:
  - a. The name, address and telephone number of the petitioner;
  - b. A description of the petitioner's interest in the proposed final order and if the

- protestant claims to represent the public interest, a precise statement of the public interest represented;
- c. A detailed description of how the action proposed in the proposed final order would adversely affect or aggrieve the petitioner's interest;
  - d. A detailed description of how the proposed final order is in error or deficient and how to correct the alleged error or deficiency;
  - e. Any citation of legal authority supporting the petitioner, if known;
  - f. Proof of service of the protest upon the water right permit holder, if petitioner is other than the water right permit holder; and
  - g. The applicant or non-applicant protest fee required under ORS 536.050.
3. Within 60 days after the close of the period for requesting a contested case hearing, the Director shall:
- a. Issue a final order on the extension request; or
  - b. Schedule a contested case hearing if a protest has been submitted, and:
    - 1) Upon review of the issues, the Director finds there are significant disputes related to the proposed agency action; or
    - 2) The applicant submits a written request for a contested case hearing within 30 days after the close of the period for submitting protests.

**NOTICE TO ACTIVE DUTY SERVICEMEMBERS:** Active duty Servicemembers have a right to stay these proceedings under the federal Servicemembers Civil Relief Act. For more information contact the Oregon State Bar at 800-452-8260, the Oregon Military Department at 503-584-3571 or the nearest United States Armed Forces Legal Assistance Office through <http://legalassistance.law.af.mil>. The Oregon Military Department does not have a toll free telephone number.

- 
- If you have any questions about statements contained in this document, please contact Jeffrey D. Pierceall at (503) 986-0802.
  - If you have questions about how to file a protest or if you have previously filed a protest and you want to know the status, please contact Patricia McCarty at 503-986-0820.
  - If you have any questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at 503-986-0801.
  - Address any correspondence to :
 

	Water Right Services Division
	725 Summer St NE, Suite A
	Salem, OR 97301-1266
- Fax: 503-986-0901
-



**Before submitting, make sure the following items are included:**

- Completed Application for Extension of Time
- Statutory fee of \$670. Application received without the correct fee of \$670.00 will be returned.
- Signature page (page 1 of application) for Application for Extension of Time
- All supporting documentation and/or evidence referenced in the Application for Extension of Time

**MAIL COMPLETED APPLICATION**

along with the

**STATUTORY FEE (ORS 536.050) TO:**

**Water Resources Department  
Attn: Water Right Permit Extensions  
725 Summer Street NE, Suite A  
Salem, Oregon 97301-1266**



## **GENERAL TIPS:**

- A separate Application for Extension of Time must be submitted for each permit. OAR 690-315-0070(2).
- Request the reasonable amount of time necessary to fully develop the permit and complete the project. If you don't request enough time, OWRD may be unable to find that you can complete the project within the time requested.
- Permit extensions for Municipal and Quasi-Municipal permits are evaluated under OAR Chapter 690, Division 315. Except under limited circumstances (see OAR 690-315-0090), upon issuance of an order approving an extension of time, the permit holder will be required to submit a Water Management and Conservation Plan (WMCP) under OAR Chapter 690, Division 86 within 3 years. Diversion of water beyond the maximum rate currently diverted under the permit shall only be authorized upon approval of a WMCP. These rules may be viewed at: <http://www.wrd.state.or.us/OWRD/LAW/index.shtml>.
- The Application for Extension of Time includes detailed tips and instructions to help you respond to each item of the application. Oregon water law and administrative rules require the OWRD to consider each of these items when reviewing a municipal or quasi-municipal water use Application for Extension of Time. However, please feel free to provide OWRD with any additional information or evidence that will aid us in making our decision. Please note that OWRD may require other information that is necessary to evaluate the application. OAR 315-0070(3)(p).
- After careful review of the Application for Extension of Time, you may contact OWRD at (503) 986-0900, to ask questions and request assistance from a Permit Extensions Specialist in the Water Rights and Adjudications Division.
- Once an Application for Extension of Time is received by OWRD, it will be reviewed for completeness. OWRD will return any incomplete or deficient applications to the applicant. OAR 690-315-0080(1)(a).

## **Reference Materials Needed to Complete this Application**

Below is a listing of the items that must be reviewed and considered when completing an Application for Extension of Time for a Municipal or Quasi-Municipal water use permit:

- The subject water right permit. If needed, a copy of the water right permit can be downloaded from the Department's Website at <http://apps.wrd.state.or.us/apps/wr/wrinfo> (the link to the Water Rights Information System (WRIS)). Or, a copy of the permit (or other documents) may be requested by water right application number from the Water Rights Division at 503-986-0900 (copy fees will apply).
- Water Management and Conservation Plan (OAR Chapter 690, Division 86), *if applicable*, per OWRD.
- Water System Master Plan, *if applicable*, per Oregon Health Division.

- Documentation which demonstrates compliance with permit conditions (for example, well construction logs; static water level measurement reports; annual water use reports; a long-term alternative water supply plan; a plan to monitor the effect of water use on ground water aquifers utilized under the permit, etc.).
- All other water rights (certificates, permits, permit amendments, transfers, and/or new applications) held by the applicant.

### **Definitions Pertinent to this Application for Extension of Time**

**Actual Construction** - any physical work performed toward completion of the water system which demonstrates the water right permit holder's good faith and intention to complete the project with reasonable diligence. Actual construction does not include planning a diversion system, formulating a business plan, securing financing, letting contracts, purchasing but not installing equipment, or surveying. This definition applies to quasi-municipal permit holders, required under the applicable statute, and for municipal water use permits issued on or after June 29, 2005. OAR 690-315-0070(3)(c) and (d), and OAR 690-315-0020(3)(d)(A)and(B).

**C-Date** – the date specified in the permit or previous extension of time for complete application of water.

**Permitted Time Period** - period of time between the date when the permit was signed *and* the date specified in the permit for complete application of water

**Time Period of the Previous Extension** – *For the 2nd Application for Extension of Time* - period of time between the date specified in the permit for complete application of water and the new "extended to date" for complete application of water specified in the 1st approved extension.

*For the 3<sup>rd</sup>, 4<sup>th</sup>, or . . . n<sup>th</sup> Application for Extension of Time* - period of time between the "extended from date" for complete application of water and the "extended to date" for complete application of water specified in the most recently approved extension.

**Undeveloped Portion of the Permit** - the portion of the permit that is the difference between the maximum rate, or duty if applicable, specified in the permit and the maximum rate, or duty if applicable, diverted for beneficial use by June 29, 2005, or the C-date of the permit, whichever is later. (ORS 537.230(3)(d) and ORS 537.630(3)(d))

**Work and Actions Accomplished** - includes both physical work and other activities associated with the development of the water right, such as: water management planning; conservation planning; development of a water master plan for the Oregon Health Division; planning of a diversion system; demand forecasting; flow or water quality monitoring; source evaluation; entry into intergovernmental agreements for water delivery; property acquisition; engagement in governmental permitting or project financing; procurement of planning, design or construction services; surveying; and any physical work performed toward completion of the system and development of the right (e.g., pumps; pipes; well construction; treatment plant/facilities; transmission systems; distribution systems; and/or intake structures). OAR 690-315-0080(4).

# Completing the Extension of Time Application for Quasi-Municipal or Municipal Use Permits

**Please provide the information requested by item numbers 1-13. OWRD will use this information to evaluate your Application for Extension of Time.**



**TIP:** *When making a reference to any document, report, and/or plan:*

- (1) reference the source document along with any page number(s), table(s) and/or chart(s) used in the response, and*
- (2) include a copy of the source document (or appropriate pages) with the extension application.*

- [OAR 690-315-0070(3)]
1. **Submit the appropriate extension of time fee (\$670), as specified under ORS 536.050.** If the extension application fee has already been paid, please provide indicate why and when it was paid. *The statute for this fee may be viewed at [http://www.oregonlegislature.gov/bills\\_laws/lawsstatutes/2013ors536.html](http://www.oregonlegislature.gov/bills_laws/lawsstatutes/2013ors536.html)*

- [OAR 690-315-0070(3)(c)]
2. **For Quasi-Municipal water use permit holders, provide evidence of the actions taken to begin actual construction on the project if required under the applicable statute.** All Quasi-Municipal permits issued prior to October 23, 1999, are generally required to begin actual construction within one (1) year.



**TIP:** *See Definition of "Actual Construction"*

**Begin Date:** 10/17/1996. **Construction of Well R-3 began.**  
(month/year) (details)  
See attached Well Log POLK 50227

- [OAR 690-315-0070(3)(d)]
3. **For Municipal water use permits issued on or after June 29, 2005, evidence of the actions taken to begin actual construction on the project.**



**TIP:** *See definition of "Actual Construction"*

**Begin Date:** \_\_\_\_\_. **Construction of \_\_\_\_\_ began.**  
(month/year) (details)

4. Provide a description of financial expenditures and evidence of actions taken to develop the water right permit within the permitted time period and, if applicable, within the time period of the most recent extension granted. Present the list in chronological order in Chart-I.



**TIP:** See definitions of “Permitted Time Period”, “C-Date”, “Time Period of the Previous Extension”, “Actual Construction” and “Work and Actions Accomplished”.

**CHART-I**

INSERT DATES	ALL WORK AND ACTIONS ACCOMPLISHED BEFORE PERMIT WAS ISSUED <i>List work/actions done before the permitted was issued – e.g. Well drilled.</i>	COST
2-27-96	Well R-4 started (POLK 50048) by others	\$4,400
INSERT DATES	ALL WORK AND ACTIONS ACCOMPLISHED DURING PERMITTED TIME PERIOD (after permit was issued and prior to permit “C-date”) <i>List work/actions done during the permitted time period.</i>	COST
8-28-1996	Date the permit was signed - find date above signature on last page of permit.	
8-28-1997	Date the permit specified “Actual Construction Work” shall begin (“A-Date”) - not all permits contain this date.	
10-17-96	Well R-3 started (POLK 50227)	↓
10-28-96	Installed flow meter on Well R-3	↓
10-28-96	Well R-2 started (POLK 50228)	
11-02-96	Well R-1 started (POLK 50226)	↓
11-13-96	Installed flow meter on Well R-1	↓
5-06-97	Well R-4 reconstruction started (POLK 50365)	↓
5-12-97	Installed flow meter on Well R-4	↓
Pre-10-1-99	Constructed 3 Well houses	↓
Pre-10-1-99	Constructed 53,000 gal Reimer Reservoir	↓
Pre-10-1-99	Installed 4800 LF of 14” transmission pipe	↓
Pre-10-1-99	Installed 1080 LF of 10” transmission pipe	↓
Pre-10-1-99	Installed 9730 LF of 8” transmission pipe	↓
Pre-10-1-99	Installed 1130 LF of 6” transmission pipe	↓
Pre-10-1-99	Installed 360 LF of 4” transmission pipe	↓
Pre-10-1-99	Added 20 new service connections	↓
Pre-10-1-99	Several surrounding private wells are being monitored for interference	↓
Pre-10-1-99	A monitoring plan has been submitted to WRD	↓
Pre-10-1-99	Engineering Plans for 1999 construction work	↓
		\$454,400
10/1/1999	Date the permit specified complete application of water to the use shall be made (“C-Date”) - all permits contain this date.	

INSERT DATES	<b>ALL WORK AND ACTIONS ACCOMPLISHED AFTER PERMIT "C-Date" and PRIOR TO THE MOST RECENT EXTENSION OF TIME REQUEST</b> <i>For the 1<sup>st</sup> Application for Extension of Time: List work/actions done after the permit "C-date" up to the date of this extension request.</i> <i>For Other than the 1<sup>st</sup> Application for Extension of Time: List any work/actions done after the permit C-Date but prior to the most recent extension.</i>	COST
6-10-2000	Construction of Well R-6 with pump, meter, well house, transmission line to reservoir supply line	\$129,200
6-22-2000	Construction of Well R-9 with pump, meter, well house, transmission line to reservoir supply line	\$132,600
8-30-2000	Construction of Well R-7 with pump, meter, well house, transmission line to reservoir supply line	\$154,800
2000	Added 7 services	\$24,500
2004	Livermore Road pipeline extension	\$94,600
2004	Reimer Road Wellfield Monitoring Plan and followup	\$15,600
6-16-2005	Observation Well (POLK 52141) constructed at Reimer wellfield	\$14,000
2006	Orchard Knob waterline extension	\$215,000
2008	Master Water Plan update completed	\$8,000
2008	Brown Road at Salt Creek waterline replacement	\$45,000
2009	Zena Road Transmission Line Replacement Study	\$1,400
2009	Livermore Road waterline replacement and extension; Smithfield Road waterline addition	\$110,000
2009	Zena Road Pump Station Construction	\$78,800
2014	Radio tower, antennas, radio upgrade due to tree growth	\$10,000
2014	Repairs: Double check valves, meters, leaks, valves, air relief valves, etc.	\$109,013
2015	Repairs: Double check valves, meters, leaks, valves, air relief valves, etc.	\$74,412
2016	Repairs: Double check valves, meters, leaks, valves, air relief valves, etc.	\$99,411
2017	Construct 300,000 gal Storage Reservoir Zena Road at Lincoln	\$310,000
2018	Sunnyside booster pump repair	\$2,500
2018	Repairs: Double check valves, meters, leaks, valves, air relief valves, etc.	\$73,224
2019	Pleasant Hill booster pump repair	\$7,000
2019	Valve repairs, installation of new valves	\$50,000
2019	Repairs: Double check valves, meters, leaks, valves, air relief valves, etc.	\$163,028
2001-2019	340 Additional Services	\$1,162,800
<b>CHART-I (continued)</b>		
INSERT DATES	<b>ALL WORK AND ACTIONS ACCOMPLISHED DURING THE MOST RECENT EXTENSION OF TIME GRANTED</b> <i>For Other than 1<sup>st</sup> Application for Extension of Time: List any work/actions done during the time period most recent extension.</i>	COST
10/1/	Date of the last "Extended From Date" for complete application of water (used on the most recently approved extension of time).	
	Not Applicable	

10/1/	Last "Extended To" date for complete application of water (resulting from the most recently approved extension of time).	
<b>INSERT DATES</b>	<b>ALL WORK AND ACTIONS ACCOMPLISHED AFTER THE MOST RECENT EXTENSION OF TIME GRANTED</b> <i>List work/actions done after the last authorized date for complete application of water has passed.</i>	<b>COST</b>
	Not Applicable	
<b>Total Cost to Date</b>		<b>\$3,539,288</b>

[OAR 690-315-0070(3)(f)]

**5. Provide evidence of compliance with conditions contained in the original permit, in any previous extension(s), and/or in any permit amendments (Chart II), or the reason the condition was not satisfied (Chart III).**

Conditions requiring a response in the extension of time application include those which:

- Stipulate a specific date by which the permit holder was to accomplish a specific action, such as a condition that requires plans and specifications for a reservoir, a Water Management and Conservation Plan, a ground water monitoring plan or some other document which "...shall be submitted...within two years of permit issuance." If your permit requires submittal of a Water Conservation and Management Plan, please indicate the date the plan was submitted to or approved by OWRD, or whether it is still being drafted, etc.;
- and/or
- Are triggered by the use of water, but do not stipulate a specific date. These conditions represent a milestone in development of the project and use of water, such as the permit holder, "shall install...a water meter or other suitable measuring device approved by the Director...before any use of water begins." Another common condition triggered by the use of water is that; "fish screens are to be installed according to Oregon Department of Fish and Wildlife specifications."



**TIP:** *Any supporting documentation submitted to demonstrate compliance with time-sensitive permit conditions or any conditions from prior permit extension(s) must be clearly referenced and may include, but is not limited to: well construction logs; static water level measurement reports, annual water use reports; a Water Management and Conservation Plan; an alternative long-term water supply plan; and/or a plan to monitor the effect of water use on ground water aquifers utilized under the permit. If needed, please contact OWRD for assistance in identifying and/or interpreting which conditions in the water permit are pertinent to the Application for Extension of Time.*

**5-A) Describe how each condition has been complied with. Include conditions contained in the original permit (and, if applicable, each condition contained in any order approving a permit amendment and/or a final order approving a prior extension of time). Include the date when the condition was satisfied.**

## CHART-II

Condition No. **	Date Satisfied	Describe How Permit Condition Has Been Satisfied
1	10-28-96 Well R-3 11-13-96 Well R-1 05-12-97 Well R-4 06-10-00 Well R-6 06-22-00 Well R-9 08-30-00 Well R-7	Installed totalizing flow meters
2	2000	<i>Record monthly use and report annually</i> - Water use began in the summer of 1999. Reporting began with 1999-2000 report period. All submitted to WRD
3	10-17-96	Watermaster access to the meters is available
4	Pre-10-1-1999	Several surrounding wells are being monitored for interference.
	2001	Initial static water level measurement: Wells R-1, R-3, R-4 & R-9 (Wells measured every year since, all submitted to WRD)
	2003	Initial static water level measurement: Wells R-6 & R-7 (Wells measured every year since, all submitted to WRD)
	10-25-2004	Monitoring Plan submitted to WRD. Approved by Doug Woodcock (undated signature)
	06-21-05	POLK 52141 Drilled by Perrydale to serve as WRD Monitoring Well
5	8-28-1996	No de-watering in conjunction with mining operations. No mining operations occurring. See Attached 2000 Google Earth photo.

\*\* Condition No: Attach a copy of the permit and, if applicable, any prior permit extensions or permit amendments with conditions identified and hand-numbered in a continuous number sequence throughout all such documents. Responses to Items 5-A and 5-B should reference each condition by number to correspond with the hand-written number sequence on the attached documents containing permit conditions.

**5-B) If applicable conditions have NOT complied with all, explain the reasons why and indicate with a date certain (in the near future) when compliance will occur.**

## CHART-III

Condition No. **	Date Will Comply	Explain Why Each Permit Condition Has NOT Been Satisfied
		None

[OAR 690-315-0070(3)(g)]

**6. Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit. Report water use as of June 29, 2005, or the C-Date of the permit (whichever is later).**



**TIP:** Documentary evidence substantiating the maximum instantaneous rate, or duty if applicable, of water appropriated may include, but is not limited to: water meter records; dedicated electrical meter records; business records; and/or a sworn affidavit.

**6-A) For Surface Water Permit Extensions:**



**TIP:** Report in the same units of measurement as specified in the permit.

In this section, report only water use made under THIS permit:

**Maximum instantaneous rate (as of June 29, 2005, or C-date (whichever is later))**

= \_\_\_\_\_ cfs, or  
(cubic feet per second)

**Maximum instantaneous rate (as of June 29, 2005, or C-date (whichever is later))**

= \_\_\_\_\_ gpm, or  
(gallons per minute)

**Acre Feet stored as of June 29, 2005, or C-date (whichever is later) = \_\_\_\_\_ AF**

**6-B) For Ground Water Permit Extensions:**



**TIP:** Include information from ALL wells that pertain to this permit, including drilled wells not currently used.

**CHART-IV**

Well # as identified on Permit	Water User's Well #	Has this well been drilled?	IF DRILLED						If yes, provide the rate used from this well under each water right. (Typically the total of all uses from a single well will not exceed the well's pumping capacity.)	
			Well Log Number E.g. MULT 60493	Well Tag Number E.g. # 40151 or N/A	Is the actual drilled location authorized on this permit or on a permit amendment? (See below)	Maximum instantaneous rate used by June 29, 2005, or C-date (whichever is later) - from this well - under this permit only (CFS or GPM)	Is this well authorized or utilized under any OTHER water rights?	Permit, Certificate, or Transfer No.	Rate (CFS or GPM)	
G	R-2	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 50228	02875	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	0 gpm <sup>^</sup>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
M	R-3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 50227	02874	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	0 gpm <sup>o</sup>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
H	R-1	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 50226	02881	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	80 gpm*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
A	R-4	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 50365	10461	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	0 gpm*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
J	R-6	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 51165	41319	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	100 gpm*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
L	R-9	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 51170	41331	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	190 gpm*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
N	R-7	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	POLK 51208	41334	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	100 gpm*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
						470 gpm (1.05 cfs)				

<sup>^</sup> Dry well, never used <sup>o</sup>Artesian well not used

\* PDWA 2008 Water System Master Plan, Section 2, page 2, Table 2-1, attached

- 6-C) If the drilled location of a well is not authorized on this permit, please specify its location below, or provide a map showing its location. Has or will a permit amendment application been/be filed with OWRD? Yes  No

If a Permit Amendment Application has been filed: Transfer No. T-\_\_\_\_\_

Well #: R-1 Actual location: 1550' South & 645' East of North 1/4 Cor, Sec 17  
Well #: R-2 Actual location: 1325' South & 415' East of North 1/4 Cor, Sec 17  
Well #: R-3 Actual location: 1830' South & 1500' East of North 1/4 Cor, Sec 17  
Well #: R-4 Actual location: 1000' South & 2330' East of North 1/4 Cor, Sec 17  
Well #: R-6 Actual location: 2340' South & 760' East of North 1/4 Cor, Sec 17  
Well #: R-7 Actual location: 2565' South & 1610' East of North 1/4 Cor, Sec 17  
Well #: R-9 Actual location: 1900' South & 2200' East of North 1/4 Cor, Sec 17  
T 7 S, R 5 W, WM, Polk County Oregon

[OAR 690-315-0070(3)(h)]

7. Provide an estimate of the current population served under this permit and a description of the methodology(ies) used to make the estimate.

Estimate the current population that is supplied water by the municipality or quasi-municipality and if applicable, current population served under this permit. Describe how that estimate was derived, or cite the source document from which the data was obtained. Include any calculations, formulas, supporting documentation, including copies of source documents.

**Current Population: 2506 as of Year: 2019**

Methodology used to estimate current population served:

895 - current services of Perrydale Water Association

(Perrydale Domestic Water Association)

2.8 Persons per Household, Polk County Outside UGBs (Year 2000 CLOSEST YEAR AVAILABLE)

(Figure 14. Polk County and Sub-Areas - Persons per Household (PPH), page 16. *Coordinated Population Forecast 2017-2067 Polk County Urban Growth Boundaries (UGB) and Area Outside UGB's*, Population Research Center, Portland State University, June 30, 2017)

895 x 2.8 = 2506 population

[OAR 690-315-0070(3)(p)]

8. Report the current peak water demand of the current population served, and a description of the methodology(ies) used to make the estimate.

Identify the total rate, or duty if applicable, of water being used to meet the current peak demand for water from all water rights held by the municipal or quasi-municipal entity. This must be reported in the same units of measurement as specified in the permits, being cfs (cubic feet per second), gpm (gallons per minute), and/or AF (acre-feet – usually only specified on a reservoir right to store water). This total rate should be based on the information provided on “Attachment A” in the column named “*Max Amount of Beneficial Water Used to Date*” [under Item 10-A (a)].

**Current Peak Water Demand: 1.21 cfs as of Year: 2019**

Methodology used to estimate current peak demand: The demand number stated above is established from the weekly source flow meter readings PDWA takes throughout the system. The specific number was generated from the maximum gallons pumped in one week during a peak demand period that was divided by 7 to determine average gallons used per day in a peak demand period.

Peak instantaneous demand:

$489,000 \text{ gpd} \div 24 = 20,375 \text{ gph} \div 60 = 339.58 \text{ gpm} \div 448.835 \text{ gpm (for 1.0 cfs)} = 0.76 \text{ cfs}$

Haestad Methods WaterCad modeling uses a peaking factor of 1.6 to derive the peak demand within the variation patterns experienced in an average day.

$\therefore 0.76 \times 1.6 = 1.21 \text{ cfs peak instantaneous demand.}$

[OAR 690-315-0070(3)(k)]

9. Provide a summary of any events that delayed completion of the water development or application of water to full beneficial use, including other governmental requirements (if any), relating to the project that have significantly delayed completion of construction or perfection of the right.



**TIP:** *Such events may include, but are not limited to: the size and scope of the project; financing and/or cash flow issues; local referendums or initiatives; actual growth rates; economic downturns; loss of territory to annexation; water conservation efforts; the need to meet other governmental requirements relating to the project; natural disasters and severe weather; and/or any other events over which the water right permit holder had no control and which delayed development under the permit.*

The permit condition to "... develop a plan to monitor and report the impact of the water use under this permit on water levels within the aquifer that provides water to the permitted well(s)." In 1999, we were working with the Department to gain approval of the proposed plan. The plan was approved in 2004.

This is a community water supply of sufficient quantity to allow for long-term growth. An Extension of Time was always anticipated to be required.

[OAR 690-315-0070(3)(l)]

- 10-A. Provide an estimated demand projection and a description of the methodology(ies) used for the subject water right permit, considering the other water rights held by the municipal or quasi-municipal water use permit holder, and a date by which the water development is anticipated to be completed and water put to full beneficial use.

In developing your estimated demand projections for the permit being extended, you should include the following items:

- a) Inventory of Water Rights Held  
List all water rights held, including this permit, currently held by the permit holder. Use the format shown in "Attachment A" (see last page of this Application for Extension of Time): A link to the Water Rights Information System (WRIS), accessed

through OWRD's website at <http://apps.wrd.state.or.us/apps/wr/wrinfo/> may be a helpful source for compiling this information.

Use the "Use Limitations" column to identify and explain why any water right is not currently utilized to meet current peak water demands, or which is used only in a limited capacity.



**TIP:** Use limitations include any factors affecting the use of a water right, such as: used for system redundancy; used for emergency back-up water supply; climate patterns or turbidity result in seasonal unavailability; not used due to water quantity issues, etc.

b) Water Supply Contracts and/or Agreements

List any water supply contracts or agreements for water that will be supplied by the permit holder to other entities.

A reciprocal agreement for **TEMPORARY EMERGENCY ONLY** use with Rickreall Water Association. The transmission line intertie is kept closed. There is no agreement for providing for current or future needs beyond an emergency.

List any water supply contracts or agreements for water that will be supplied from other entities that the permit holder will depend on to meet its own current or anticipated future water needs.

A reciprocal agreement for **TEMPORARY EMERGENCY ONLY** use with Rickreall Water Association. The transmission line intertie is kept closed. There is no agreement for providing for current or future needs beyond an emergency.

c) Projected Population

Identify the projected population growth rate. The population projection must be extended out, at a minimum, to the year requested for complete application of water. Describe the methodology used to create the population projections such as historical growth rates or any factors affecting growth trends.

**Population Growth Rate: 1.4518%**

**Projected Population: 2,732 as of Year: 2025**

Methodology used to estimate projected population and population growth rate:  
2019 population for Perrydale Water System = 2506

**METHOD:**

**895 Service Connections** (*Perrydale Domestic Water Association*)

**2.8 Persons per Household, Polk County Outside UGBs**

(Figure 14. Polk County and Sub-Areas - Persons per Household (PPH), page 16. *Coordinated Population Forecast 2017-2067 Polk County Urban Growth Boundaries (UGB) and Area Outside UGB's*, Population Research Center,

Portland State University, June 30, 2017 <https://digital.osl.state.or.us/islandora/object/osl%3A95615>)

**895 service connections x 2.8 PPH = 2506 population**

2025 population for Perrydale Water System = 2732

**METHOD:**

**2000 Polk County Population Outside UGBs = 13,405**

(Figure 3, Polk County and Sub-Areas - Total Population and Average Annual Growth Rate (AAGR) (1000-2010), page 9, *Coordinated Population Forecast 2017-2067 Polk County Urban Growth Boundaries (UGB) and Area Outside UGB's*, Population Research Center, Portland State University, June 30, 2017  
<https://digital.osl.state.or.us/islandora/object/osl%3A95615>)

**2060 Polk County Population Outside UGBs = 19,462**

( <https://pdx.edu/prc/region-3-documents>, Polk County, Polk County Final Forecast Tables (.xlsx), Forecasts for Total Population (.xlsx) (Document referenced in How to Read this Report, page 3, *Coordinated Population Forecast 2017-2067 Polk County Urban Growth Boundaries (UGB) and Area Outside UGB's*, Population Research Center, Portland State University, June 30, 2017  
<https://digital.osl.state.or.us/islandora/object/osl%3A95615>)

Percentage of Population Change for Polk County Outside UGBs from 2000 to 2060 =  
 $19462/13405 = 1.4518\%$

Percentage of Population for Perrydale Water System = 2506 x 1.4518% compounded =  
2732

d) Future Peak Water Demands

Identify the projected peak water. The peak water demand projection must be extended out, at a minimum, to the year requested for complete application of water. Describe the methodology used to create the water demand projection, such as historical growth rates or any factors affecting growth trends. Include a summary of how the subject permit, and other water rights and /or supply contracts held by the permit holder are planned or expected to be used to meet anticipated future water needs

**Projected Peak Water Demand: 1.32 cfs as of Year: 2025**

Methodology used to estimate peak water demand: Peak demand for 2019 adjusted for population growth in 2025.

2019 Peak demand = 1.21 cfs

2019 Population = 2506

2025 Population = 2732

$$\frac{1.21 \text{ cfs}}{2506} = \frac{x}{2732} = 1.32 \text{ cfs}$$

e) Potential Growth

Describe the potential for growth of the service area (such as the annexation of lands or new industrial and/or commercial ventures locating within the service area) and describe how those projects are expected to affect future water demands.

As an association, rather than a district, Perrydale is not obligated to serve anyone within the boundary who requests a service. Additional services are allowed when the capacity of the association's water sources provides sufficient flows to warrant a prudent, and reliable, expansion of service. Most of the lands

within the service area boundary are zoned as Exclusive Farm Use by Polk and Yamhill counties.

f) Completion Date

Provide the date by which the water development is anticipated to be completed and water put to full beneficial use. **October 1, 2025**

[OAR 690-315-0070(3)(l)]

**10-B. Application for Extension of Time requests for greater than 50 years must include documentation that the demand projection is consistent with the amount and types of lands and uses proposed to be served by the permit holder.**



*TIP: If you are requesting an extension of greater than 50 years, it is very important to provide all available documentation (including estimates, projections, other related information, and all associated data) supporting the position that the demand projection is consistent with the amount and type of lands and uses to be served by the permit holder.*

Show that permit holder’s potential for future growth and expansion is feasible and consistent with the amounts and types of lands and uses proposed to be served. Information that may be addressed includes, but is not limited to: land use plan(s); current service area(s) in relation to the urban growth boundary; amounts of lands currently un-served and available for future development; and/or low-density vs. high-density areas.

[OAR 690-315-0070(3)(j) and OAR 690-315-0070(3)(m)]

**11. Provide an estimate of the costs to complete water development and summary of the future plan and schedule to complete construction and/or perfect the water right.**

Considering the demand projections in Item 10-A, describe major future work and actions that must be accomplished in order to fully develop and perfect the subject permit. Provide a list of the major planning, work and/or actions needed, the approximate time frames, and estimated costs anticipated to complete the water development within the parameters of this permit.

The review of a Capital Improvement Plan (CIP) or other system infrastructure improvement plans may help when formulating a response.

**CHART-V**

APPROXIMATE DATE RANGE	WORK AND ACTIONS TO BE ACCOMPLISHED	ESTIMATED COST
Year:	Date intend to apply water to full beneficial use under the terms and conditions of this permit.	
<b>Estimated Total Cost to Complete Development</b>		

**12. Justify the time requested to complete the project and/or apply the water to full beneficial use.**

A justification should integrate information from Items 5-B, 6-A or 6-B, 9, 10-A, and 11 of this application, and should include any other information or evidence to establish that the requested amount of time is reasonable, and that you will be able to complete the project within the amount of time requested.

The need for an extension of time rests, primarily on two factors.

First, the need to develop a monitoring plan, in conjunction with the Water Resources Department, to evaluate drawdown and recharge rates. This was accomplished after the "c" date.

Second, to utilize the monitoring plan and establish use rates gradually while observing the withdrawal affect on the aquifer over a long enough period of time to determine the aquifer capacity, which was also accomplished after the "c" date.

**13. Provide any other information you wish OWRD to consider while evaluating the Application for Extension of Time**

**14. For Municipal water use permits issued before November 2, 1998, for the first extension issued after June 29, 2005, provide a copy of any agreements regarding use of the undeveloped portion of the permit between the permit holder and a federal or state agency that include conditions or required actions that maintain the persistence of listed fish species in the portions of the waterways affected by water use under the permit.**

# Water Rights Inventory for Perrydale Domestic Water Association

(List of All Permits, Permit Amendments, Certificates, Transfers, New Applications)

Attachment "A"  
For Extension of Time  
Application

## Ground Water

Application No.	Permit No.	Priority Date	Certificate No.	P.A. <sup>1</sup> or Transfer No.	Source of water identified in water right	Facility Name used by entity	Use	Rate identified in water right (cfs or AF)	Actual Diversion	Authorized Completion Date <sup>2</sup>	Notes or Limitations to water use <sup>3</sup>
									Maximum Instantaneous Rate Diverted to Date (cfs)		
G-6717	G 6352	11-8-1974	60002	NA	Willamette River Basin	Well 1-1	QM	0.2 cfs (90 gpm)	0.2 cfs	10-01-1978	Reserved for Emergency due to Water Quality
G-11935	G-10987	6-16-1981	----	NA	Willamette River Basin	Well 1-2A	QM	60 gpm (0.13 cfs)	0.09 cfs	9-30-2017	Reserved for Emergency due to Water Quality CBU in process
G 11825	G 10908	6-22-1988	90023	NA	Middle Willamette River Basin	Well 1-3	QM	0.42 cfs (189 gpm)	0.42 cfs	10-01-1997	None
G-11913	G-10986	4-24-89	94064	NA	Willamette River Basin	Well 1-4	QM	120.0 gpm (0.27 cfs)	0.27 cfs	10-01-1997	None
G 13929	G 12721	12-28-1994		NA	Willamette River Basin	Reimer Well field	QM	1.0 cfs (1795 gpm)	1.38 cfs	10-1-1999	None
G 5958	G-5655	12-18-1972	---	T-10935	Spring Valley Creek Basin	Walker Well	QM	0.33 cfs (148.11 gpm)	0.33 cfs	10-1-2015	Use Mar 1- Oct 31 Max 208.25 AF (67,858,262 gal) CBU in process
G 17130	G-16772	10-28-2008	---	NA	Willamette River Basin	Well 1-5	QM	2.23 cfs (1000 gpm)	200	7-15-2015	Regulated by minimum bypass flows in Willamette River
G 18166	G 17909	12-04-2015	---	NA	Willamette River Basin	Radley Well	QM	2.0 cfs (900 gpm)	1.0 cfs	11-7-2022	None

<sup>1</sup> P.A. = Permit Amendment

<sup>2</sup> Date by which full application of water is to be made within the terms and conditions of the permit (date will be specified in the permit or on the last extension Final Order).

<sup>3</sup> If a particular water right certificate, permit, or transfer is not being utilized to meet current demands, or its use is somehow limited due to quality, seasonal, etc. limitations, or if the actual diversion rate is less than a certificated rate, please explain why.

**Surface Water**

Application No.	Permit No.	Priority Date	Certificate No.	P.A. or Transfer No.	Source of water identified in water right	Facility Name used by entity	Use	Rate identified in water right (cfs or AF)	Actual Diversion		Authorized Completion Date	Notes or Limitations to water use
									Maximum	Instantaneous		
									Rate Diverted to Date (cfs)			
NONE												

**Pending New Water Right Applications**

Application No.	Priority Date	Source	Proposed Use	Proposed Rate
NONE				

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY, OREGON 97101

(503) 835-7221

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13929

SOURCE OF WATER: EIGHTEEN WELLS WITHIN THE WILLAMETTE RIVER BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 4.0 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 28, 1994

POINT OF DIVERSION LOCATION: NE 1/4 NE 1/4, NW 1/4 NE 1/4, SW 1/4 NE 1/4, SE 1/4 NE 1/4, NE 1/4 SE 1/4, NW 1/4 SE 1/4, SECTION 17, TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.; WELL A - 80' NORTH & 1150' EAST; WELL B - 80' NORTH & 490' EAST; WELL C - 320' NORTH & 340' EAST; WELL D - 530' NORTH & 180' EAST; WELL E - 410' NORTH & 100' WEST; WELL F - 320' NORTH & 340' WEST; WELL G - 170' NORTH & 840' WEST; WELL H - 200' SOUTH & 1030' WEST; WELL I - 600' SOUTH & 1050' WEST; WELL J - 1100' SOUTH & 1060' WEST; WELL K - 200' SOUTH & 340' EAST; WELL L - 200' SOUTH & 880' EAST; WELL M - 400' SOUTH & 114' EAST, ALL FROM THE SW CORNER OF THE NE 1/4, NE 1/4; WELL N - 100' NORTH & 680' EAST; WELL O - 110' SOUTH & 600' EAST; WELL P - 210' SOUTH & 100' EAST; WELL Q - 170' SOUTH & 170' WEST; WELL R - 90' SOUTH & 950' WEST; ALL FROM THE NE CORNER OF THE NE 1/4, SE 1/4

THE PLACE OF USE IS LOCATED AS FOLLOWS:

ALL  
SECTIONS 30-33  
TOWNSHIP 5 SOUTH, RANGE 4 WEST, W.M.  
S 1/2  
S 1/2, N 1/2  
SECTION 25  
S 1/2  
S 1/2, N 1/2  
SECTION 26  
S 1/2  
S 1/2, N 1/2  
SECTION 27  
S 1/2  
S 1/2, N 1/2  
SECTION 28  
S 1/2  
S 1/2, N 1/2  
SECTION 29  
S 1/2  
S 1/2, N 1/2  
SECTION 29  
S 1/2  
S 1/2, N 1/2  
SECTION 30  
ALL  
SECTION 31-36  
TOWNSHIP 5 SOUTH, RANGE 5 WEST, W.M.  
ALL  
SECTION 36  
TOWNSHIP 6 SOUTH, RANGE 3 WEST, W.M.  
ALL  
SECTIONS 29-32  
TOWNSHIP 5 SOUTH, RANGE 6 WEST, W.M.  
ALL  
SECTIONS 4-9  
ALL  
SECTIONS 16-21  
ALL  
SECTION 23  
ALL  
SECTIONS 25 & 26  
W 1/2 SECTION 27  
ALL  
SECTIONS 28-33  
ALL  
W 1/2 SECTION 34  
TOWNSHIP 6 SOUTH, RANGE 4 WEST, W.M.  
ALL  
SECTIONS 1 THROUGH 36  
TOWNSHIP 6 SOUTH, RANGE 5 WEST, W.M.

ALL  
 SECTION 1  
 S 1/2 SECTIONS 2-4  
 ALL  
 SECTIONS 9-16  
 ALL  
 SECTIONS 21-28  
 ALL  
 SECTIONS 33-36  
 TOWNSHIP 6 SOUTH, RANGE 6 WEST, W.M.  
 W 1/2 SECTION 3  
 ALL  
 SECTIONS 4-9  
 W 1/2 SECTION 10  
 NW 1/4 SECTION 15  
 N 1/2 SECTION 17  
 ALL  
 SECTION 18  
 T 7 S, R 4 W  
 ALL  
 SECTIONS 1-12  
 ALL  
 SECTIONS 15 & 16  
 ALL  
 SECTIONS 18-19  
 TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.  
 ALL  
 SECTIONS 1-4  
 ALL  
 SECTIONS 11-14  
 ALL  
 SECTIONS 23-24  
 TOWNSHIP 7 SOUTH, RANGE 6 WEST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

- 4 The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.
- 5 Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations.

#### STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

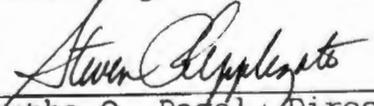
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued August 28, 1996

for   
Martha O. Pagel, Director  
Water Resources Department

Application G-13929  
Basin 02

Water Resources Department  
Volume 11A Salt Ck. & Misc.  
MGMT.CODE 7BG, 7BR, 7AG, 7AR

PERMIT G-12721  
District 16

STATE OF OREGON  
WATER SUPPLY WELL REPORT <sup>polk</sup> 50.226  
(as required by ORS 537.765)

LO 2881  
WELL #  
(START CARD) # 095433

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

(1) OWNER: Well Number \_\_\_\_\_  
Name Perrydale Domestic Water Assoc.  
Address 40 Boothright Engineering - 2413 12th St SE  
City Salem State OR Zip 97302

(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 190 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL				
Diameter	From	To	Material	From	To	Sacks or pounds	
<u>12</u>	<u>0</u>	<u>30</u>	<u>Cement</u>	<u>0</u>	<u>30</u>	<u>12 Sacks</u>	
<u>8</u>	<u>30</u>	<u>190</u>					

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:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing:	<u>8 in</u>	<u>+2</u>	<u>30</u>	<u>.250</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 30

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material		
					Tele/pipe size	Casing	Liner
		<u>N/A</u>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time
<u>150</u>	<u>79 ft.</u>		<u>24 hr.</u>

Temperature of water 54 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-5 N or S Range 5-W E or W. WM.  
Section 17 SE 1/4 NE 1/4  
Tax Lot 100 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 2315 Reimer Rd Dallas OR

(10) STATIC WATER LEVEL:  
23 ft. below land surface. Date 11-13-96  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 163

From	To	Estimated Flow Rate	SWL
<u>163</u>	<u>182</u>	<u>150</u>	<u>23</u>

RECEIVED  
DEC 19 1996

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_  
WATER RESOURCES DEPT.

SALEM, OREGON

Material	From	To	SWL
Top Soil	0	2	
Brown clay	2	4	
Broken black basalt	4	12	
Black basalt - hard	12	19	
Black basalt with gray claystone seams	19	26	
Fractured black basalt	26	27	
Black basalt with gray claystone seams	27	94	
Black basalt with dark brown claystone seams	94	96	
Hard black basalt with seams of tan claystone	96	129	
Black basalt + gray claystone	129	143	
Black basalt with white crystal seams	143	163	
Broken basalt	163	170	23
Gray basalt + crystal seams	170	176	23
Broken basalt	176	182	23
Gray basalt w/crystal seams	182	190	

Date started 11-2-96 Completed 11-13-96

(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.  
Signed [Signature] WWC Number 1629 Date 11/14/96

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
Signed Floyd R. Sipe WWC Number 1273 Date 11-14-96

WELDR 75

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

polk 50228

(START CARD) # 095431

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

(1) OWNER: Well Number Name Perrydale Domestic Water Assoc. Address c/o Boatwright Engineering - 2613 12th St. SE City Salem State OR Zip 97302

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

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

(4) PROPOSED USE: [ ] Domestic [X] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [X] Other Test Well

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 185 ft.

Explosives used [ ] Yes [X] No Type Amount

Table with columns: HOLE Diameter, SEAL From, To, Material, From, To, Sacks or pounds. Row 1: 10, 0, 39, Cement, 0, 39, 14 + bent. Row 2: 6, 39, 185

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other

Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 6 in, 1, 39, 250, [X], [ ], [X], [ ]. Liner: [ ], [ ], [ ], [ ], [ ], [ ], [ ], [ ]. Final location of shoe(s) 39 ft.

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: [ ], [ ], NA, [ ], [ ], [ ], [ ], [ ].

(8) WELL TESTS: Minimum testing time is 1 hour. [ ] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian. Yield gal/min 0, Drawdown, Drill stem at, Time 1 hr.

Temperature of water Depth Artesian Flow Found Was a water analysis done? [ ] Yes By whom 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 Polk Latitude Longitude Township 7-5 N or S Range 5-W E or W. W.M. Section 17 SE 1/4 NE 1/4 Tax Lot 100 Lot Block Subdivision Street Address of Well (or nearest address) 2315 Reimer Rd Dallas OR 97308

(10) STATIC WATER LEVEL: ft. below land surface. Date Artesian pressure lb. per square inch. Date

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

RECEIVED DEC 19 1996 WATER RESOURCES DEPT. SALEM, OREGON

(12) WELL LOG: Ground Elevation

Table with columns: Material, From, To, SWL. Rows include: Top Soil (0-1), Broken rock + boulders (1-3), Brown + gray clay with broken basalt (3-8), Broken basalt with gray claystone (8-12), Hard black basalt (12-48), Black basalt with Multy colored claystone - 48 seams (48-128), Gray basalt with hard gray claystone (128-144), Black basalt with traces of claystone (144-170), Gray claystone (170-173), Brown claystone (173-179), Gray claystone (179-185).

Date started 10-28-96 Completed 11-1-96

(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.

Signed Jim B WWC Number 1629 Date 11/14/96

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.

Signed Floyd G. Jipp WWC Number 1273 Date 11-17-96

POK  
50227

SALEM, OREGON  
WATER RESOURCES DEPT.

R-3

L 02874

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

DEC 19 1996

(START CARD) # 095432

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

RECEIVED

(1) OWNER:

Name Perrydale Domestic Water Assoc.  
Address Boatwright Engineering - 2613 12th St. SE  
City Salem State OR Zip 97302

(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 30 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
14	0	18	Cement	0		
10	18	23			23	20+bent.
8	23	30				

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	Material			
				Steel	Plastic	Welded	Threaded
Casing: 8 in	+2	23	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) None Used

(7) PERFORATIONS/SCREENS:

Perforations		Method						
Screens		Type						
From	To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
		N/A					<input type="checkbox"/>	<input type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
70	14		4 hr.

Temperature of water 53 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-S N or S Range 5-W E or W. WM.  
Section 17 SE 1/4 NE 1/4  
Tax Lot 100 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 2315 Reimer Rd Dallas OR. 97308

(10) STATIC WATER LEVEL:

\_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
Artesian pressure 1 lb. per square inch. Date 10-28-96

(11) WATER BEARING ZONES:

Depth at which water was first found 26 ft.

From	To	Estimated Flow Rate	SWL
26	30	70 +	16

(12) WELL LOG:

Material	From	To	SWL
large broken basalt	0	3	
Black basalt	3	6	
Broken black basalt	6	13	
Hard black basalt	13	20	
Hard gray claystone	20	21	
Hard black basalt	21	25	
Hard gray claystone	25	26	
Hard black basalt with Fractured Seams	26	28	
Void - broken black basalt with claystone and quartz very loose lots of water	28	30	

Date started 10-17-96 Completed 10-28-96

(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.

Signed \_\_\_\_\_ WWC Number 1629  
Date \_\_\_\_\_

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.

Signed Floyd A. Sipp WWC Number 1273  
Date 10-29-96

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

POIK  
50048

MAR 19 1996

(START CARD) # 86246

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

SALEM OREGON

(1) OWNER: Well Number 1  
Name Randy Roth  
Address 742 S.E. Birch  
City Dallas State Oregon Zip 97330

(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 76 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
14"	0	6	concrete	0	1	3
10"	6	18.5	Bentonite	1	18.5	8
6"	25	76				

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"	1.5	18.5	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: None				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 18.5'

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
None								

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

Yield gal/min	Drawdown	Drill stem at	Flowing Time
110-120	76	76	2 hr.

Pump  Bailer  Air  Flowing Artesian

Temperature of water 52° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7 N or S Range 5 E or W WM  
Section 17 NE 1/4 NE 1/4  
Tax Lot 101 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Reimer Rd. Dallas, Oregon

(10) STATIC WATER LEVEL:  
\_\_\_\_\_ ft. below land surface. Date 3/15/96  
Artesian pressure <1 lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 4'

From	To	Estimated Flow Rate	SWL
4	6	10	—
35	60	110-120 gpm	+1.5'

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
broken rock	0	2	—
Large boulder	2	4	—
broken rock (black)	4	6	—
Hard gray basalt.	6	76	+1.5'

Dickerson Well Drilling, Inc  
PH# 623-2664

Date started 2/27/96 Completed 3/2/96  
(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.  
Signed \_\_\_\_\_ WWC Number \_\_\_\_\_ Date \_\_\_\_\_

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
Signed William A. Blair WWC Number \_\_\_\_\_ Date \_\_\_\_\_

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

*Polk*  
*50345*

WELL I.D.# 610461

(START CARD) # 099322

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

(1) OWNER:

Well Number \_\_\_\_\_  
Name Perrydale Water Association  
Address 2613 12<sup>th</sup> St. NE Salem  
City Salem State OR Zip \_\_\_\_\_

(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 140 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
<u>12</u>	<u>0</u>	<u>32</u>	<u>Cement</u>	<u>0</u>	<u>32</u>	<u>12 + bent</u>
<u>8</u>	<u>32</u>	<u>140</u>				

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:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing: <u>8 in</u>	<u>7.5</u>	<u>32</u>	<u>.250</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Liner: <u>7 in. OD</u>	<u>7.5</u>	<u>65</u>	<u>.188</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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
<u>5</u>	<u>65</u>	<u>2x8</u>	<u>90</u>			<input type="checkbox"/>	<input checked="" 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 type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
<u>150</u>			<u>1 hr.</u>

Temperature of water 53° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-5 N or S Range 5-W E or W. WM.  
Section 17 NE 1/4 NE 1/4  
Tax Lot 101 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) None off Reimer Rd Dallas OR.

(10) STATIC WATER LEVEL:

4.5 ft. below land surface. Date 5-12-97  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 35 ft.

From	To	Estimated Flow Rate	SWL
<u>35</u>	<u>140</u>	<u>150</u>	<u>4.5</u>

**RECEIVED**

(12) WELL LOG: JUN - 6 1997

Ground Elevation \_\_\_\_\_  
WATER RESOURCES DEPT.

Material	From	To	SWL
SALEM, OREGON			
See Original Well Log Start Card # 86246	<u>0</u>	<u>76</u>	
Black basalt	<u>76</u>	<u>88</u>	
Black & Gray basalt	<u>88</u>	<u>92</u>	
Fractured Gray basalt	<u>92</u>	<u>106</u>	
Black & Gray basalt	<u>106</u>	<u>108</u>	
Black Fractured basalt	<u>108</u>	<u>114</u>	
Black & Gray Fractured basalt	<u>114</u>	<u>140</u>	

Note This well was originally a 6 inch well. Casing was removed and reamed to 8 in well.

Date started 5-6-97 Completed 5-12-97

(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.

Signed Tom [Signature] WWC Number 1548 Date 5-15-97

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.

Signed Floyd G. [Signature] WWC Number 1273 Date 5-18-97

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

Pa 1 of 2  
 WELL I.D. # L 41319  
 START CARD # 127294

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

(1) OWNER: Well Number 6  
 Name Pennydale Water District  
 Address 2613 12th St SE  
 City Salem State OR Zip 97302

(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 226 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL			
Diameter	From To	Material	From To	Sacks or pounds	
12	0	84 cement	0	84	61 sacks + 5% Bentonite
8	84	224			

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 in	+1	84	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 6 in	+1.5	224	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) Casing Ring

(7) PERFORATIONS/SCREENS:

Perforations Method Torch  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
105.6	215.6	1/2 x 6	94			<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time
150		224	2 hr.

Temperature of water 53 Depth Artesian Flow \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 7-S N or S Range 5-W E or W. WM.  
 Section 17 SW 1/4 NE 1/4  
 Tax Lot 100 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) None at end of Reimer Rd.

(10) STATIC WATER LEVEL:  
70 ft. below land surface. Date 10/10/00  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
 Depth at which water was first found 29

From	To	Estimated Flow Rate	SWL
29	49	2-3	70
119	210	150	70

(12) WELL LOG:  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
TOP Soil	0	1	
Boulders with brown and red clay	1	13.5	
Tan and Brown clay	13.5	24	
Gray clay	24	29	
Soft decomposed basalt	29	30	
Black broken basalt	30	38	
Gray basalt semi-broken	38	40	
Weathered Basalt	40	49	
gray basalt with a trace of claystone hard	49	88	
gray basalt fractured with claystone layers	88	108	
Fractured gray basalt	108	119	
Fractured gray basalt with green sandstone	119	181	
Fractured gray basalt with white and dark gray claystone	181	203	

cont pg 2

Date started 5/24/00 Completed 10/10/00

(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.  
 Signed \_\_\_\_\_ WWC Number 1629  
 Date 7-5-00

(bonded) Water Well Constructor Certification:  
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
 Signed Flora J. Sapp WWC Number 1273  
 Date 7-5-00

Temperature of water 53 Depth Artesian Flow \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

RECEIVED  
 JUL 11 2000  
 WATER RESOURCES DEPT  
 SALEM, OREGON

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

Pa 2 of 2  
 WELL I.D. # L 41319  
 START CARD # 127294

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

(1) OWNER: Well Number 6  
 Name Dennistate Water District  
 Address 213 12th St. SE  
 City Salem State OR Zip 97302

(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 \_\_\_\_\_ ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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	Material			
				Steel	Plastic	Welded	Threaded
Casing:				<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input 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		Screens	
From	To	Slot size	Number

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

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailor	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing
Yield gal/min	Drawdown	Drill stem at	Time

Temperature of water \_\_\_\_\_ Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 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 \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township \_\_\_\_\_ N or S Range \_\_\_\_\_ E or W. WM.  
 Section \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4  
 Tax Lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) \_\_\_\_\_

(10) STATIC WATER LEVEL:  
 \_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
 Depth at which water was first found \_\_\_\_\_ 29

From	To	Estimated Flow Rate	SWL
<u>29</u>	<u>49</u>	<u>2-3</u>	<u>20</u>
<u>119</u>	<u>210</u>	<u>150</u>	<u>70</u>

(12) WELL LOG:  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
<u>Dark gray claystone with gray basalt</u>	<u>202</u>	<u>204</u>	
<u>Gray basalt</u>	<u>204</u>	<u>206</u>	
<u>Semi-broken basalt</u>	<u>206</u>	<u>210</u>	
<u>Fractured gray basalt with claystone</u>	<u>210</u>	<u>226</u>	

**RECEIVED**  
 JUL 11 2000  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

Date started 5/24/00 Completed 6/10/00

(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.  
 Signed \_\_\_\_\_ WWC Number 1629  
 Date 7-5-00

(bonded) Water Well Constructor Certification:  
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
 Signed Floyd Sipp WWC Number 1273  
 Date 7-5-00

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

Pg 1 of 2

WELL I.D. # L. 41334

START CARD # 125976

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

(1) OWNER: Well Number # 7  
Name Perrydale Domestic Water Assoc c/o  
Address 2613 12th St. Boatwright Engineering  
City Salem State OR Zip 97302

(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 305 ft.  
Explosives used  Yes  No Type Amount

HOLE SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
12	0	38	Cement	0	183	
10	38	185				30 + bentonite
8	185	305				57 1/2

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: 8-in	+1	183	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 7-in OD	+6-in	305	.188	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) None

(7) PERFORATIONS/SCREENS:

Perforations Method Milled-Cuts in liner  
 Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
24	29'6"					<input type="checkbox"/>	<input checked="" type="checkbox"/>

WATER RESOURCES DEPARTMENT  
SALEM, OREGON

Flowing  Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100 +		304	1 hr.
200	29'6"		24 Hr.

Temperature of water 51 Depth Artesian Flow Found  
Was a water analysis done?  Yes By whom  
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 Polk Latitude Longitude  
Township 7-S N or S Range 5-W E or W. WM.  
Section 17 SW 1/4 NE 1/4  
Tax Lot 100 Lot Block Subdivision  
Street Address of Well (or nearest address) None End of Reimer Rd.

(10) STATIC WATER LEVEL:  
150.5 ft. below land surface. Date 8-29-00  
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:  
Depth at which water was first found 47

From	To	Estimated Flow Rate	SWL
47	64	2	
193	305	200 +	150.5

(12) WELL LOG:  
Ground Elevation

Material	From	To	SWL
Top Soil	0	1	
Red Clay	1	16	
Tan Clay	16	32	
Gray Clay	32	41	
Gray basalt	41	47	
Fractured gray basalt	47	64	
Gray basalt with gray claystone seams	64	96	
Gray basalt	96	107	
Med gray basalt	107	145	
Gray clay	145	145.6	
Gray basalt	145.6	159	
Gray basalt with clay stone seams	159	175	
Gray clay Semi Firm	175	181	
Gray basalt with crystals - fractured	181	193	
Very fractured gray basalt with Soapstone + Crystals	193	209	

Date started 7-31-00 Completed 8-30-00

(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.  
Signed [Signature] WWC Number 1629 Date 9-5-00

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
Signed Floyd R. Sippel WWC Number 1273 Date 9-5-00



POLK RECEIVED

STATE OF OREGON WATER SUPPLY WELL REPORT

51170 NOV 14 2001

WELL I.D. # L 41331 START CARD # 127310

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

(1) OWNER: Name Pemplak Water District c/o Boatwright Engineering Address 2613 12th St. SE City Salem State OR Zip 97302

(9) LOCATION OF WELL by legal description: County Polk Township 7S N or S Range 5-W E or W. WM. Section 17 SE 1/4 NE 1/4 Tax Lot 100 Lot Block Subdivision Street Address of Well (or nearest address) None at End of Reimer Rd.

(2) TYPE OF WORK: [X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

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

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

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 258 ft. Explosives used [ ] Yes [X] No Type Amount

Table with columns: HOLE Diameter, From, To, Material, SEAL From, To, Sacks or pounds. Row 1: 12, 0, 44.5, Cement, 0, 44.5, 15 sacks + 5% Bentonite. Row 2: 8, 44.5, 258.

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

Table for (6) CASING/LINER: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 8 in + 1, 44.5, .250. Liner: 10 in + 2, 258, .250.

Final location of shoe(s)

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: 178, 252, 1/2 x 6, 150.

(8) WELL TESTS: Minimum testing time is 1 hour. [ ] Pump [ ] Bailer [X] Air [ ] Artesian. Yield gal/min 200, Drawdown, Drill stem at 25, Time 1 hr.

Temperature of water 53+ Depth Artesian Was a water analysis done? [ ] Yes By whom Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

(10) STATIC WATER LEVEL: 2 ft. below land surface. Date 6/22/00 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 7, 9, Trace, 3. Row 2: 148, 258, 200+, 2.

(12) WELL LOG: Table with columns: Material, From, To, SWL. Rows include: TOP Soil (0-4), Gray Clay (4-5), Green + Blue Clay (5-7), Broken basalt block (7-9), Gray basalt with hard shale like seams (9-47), Fractured gray basalt with shale like seams (47-52), Gray basalt with semi-fractured seams of soapstone (52-148), Fractured gray basalt with gray shale (148-186), Gray claystone medium hard (186-188), Hard brown claystone (188-192), Gray basalt with brown claystone mid 192 (192-201), Gray basalt with fractured seams (201-232), Semi-weathered gray basalt with crystals (232-258).

Date started 6/16/00 Completed 6/22/00 (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. Signed [Signature] WWC Number 1629 Date 7-5-00

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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. Signed [Signature] WWC Number 1273 Date 7-5-00

RECEIVED

WATER RESOURCES DEPT. SALEM, OREGON



Water Year	Report ID	Facility Name	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	MUN	MUL	AUG	SEP	OCT
2015	46101	WELL R 2 (POLK 50228/L2875)	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	46102	WELL R 1 (POLK 50226/L-2881)	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	46108	WELL R 9 (POLK 51170/L-41331)	3.26592	2.45288	1.47777	2.30078	1.67049	2.74675	2.38352	3.0774	4.22394	5.80132	2.77858	1.04996	33.22931
2015	46110	WELL R 7 (POLK 51208/L-41334)	3.16649	2.38269	1.4344	2.28817	1.67132	2.76845	2.40908	3.14501	4.30536	3.78364	2.62483	1.10143	31.08087
2015	46111	WELL R 6 (POLK 51165/L-41319)	2.6813	1.97821	1.19595	1.89689	1.4209	1.42029	1.42029	2.65061	3.61393	4.93141	2.16756	0.86389	26.24123
2014	46094	WELL A	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	46095	WELL B	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	46101	WELL R 2 (POLK 50228/L2875)	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	46102	WELL R 1 (POLK 50226/L-2881)	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	46108	WELL R 9 (POLK 51170/L-41331)	0.45349	0.18263	1.23526	1.03084	1.40896	0.65812	0.85518	1.6306	2.25183	7.41019	5.37612	3.29922	25.79244
2014	46110	WELL R 7 (POLK 51208/L-41334)	0.47292	0.18628	1.27758	1.00169	1.08578	0.6859	0.88875	1.7106	2.31456	3.6658	4.75188	3.30551	21.34725
2014	46111	WELL R 6 (POLK 51165/L-41319)	0.38453	0.15498	1.06245	3.95213	1.31379	0.55394	0.71137	1.38377	1.98281	2.95259	5.47522	2.75065	22.67823
2013	46094	WELL A	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	46095	WELL B	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	46101	WELL R 2 (POLK 50228/L2875)	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	46102	WELL R 1 (POLK 50226/L-2881)	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	46108	WELL R 9 (POLK 51170/L-41331)	1.9528	1.08841	0.10379	0.0217	0.2936	1.14669	0.72073	0.70075	0.93509	1.15605	2.3818	2.98582	13.48723
2013	46110	WELL R 7 (POLK 51208/L-41334)	0	0	0.02639	0.01258	0.33144	1.67654	0.74421	0.67577	1.00353	1.24873	2.55608	3.26653	11.5418
2013	46111	WELL R 6 (POLK 51165/L-41319)	2.46893	1.00169	0.50361	0.16449	0.33881	1.40555	0.6236	0.61777	0.81571	1.00322	2.07856	2.59322	13.61516
2008	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	46102	WELL R 1 (POLK 50226/L-2881)	0	0	0	0.00859	0	0	0	0	0	0	0	0	0.00859
2008	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	46108	WELL R 9 (POLK 51170/L-41331)	9.13304	8.04726	6.8329	10.41952	11.57066	8.58954	8.7482	6.50882	6.50821	10.45174	8.50115	9.55409	104.8651
2008	46110	WELL R 7 (POLK 51208/L-41334)	1.03453	4.38944	3.64309	0.00061	1.42059	2.43271	3.48811	3.11677	5.0201	6.9443	4.30781	3.83489	39.63295
2008	46111	WELL R 6 (POLK 51165/L-41319)	5.11923	3.25426	2.67117	5.31901	4.90134	4.14332	1.61086	3.91192	3.87295	4.10465	4.65797	5.12444	48.69112
2006	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0.00098	0	0	0	0	0	0.00447	0.00545
2006	46102	WELL R 1 (POLK 50226/L-2881)	0.14746	0	0	0	0	0	0	0	0	0	0	0.3749	0.52236
2006	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	46108	WELL R 9 (POLK 51170/L-41331)	5.00138	3.66518	2.60703	3.1137	3.65352	7.09867	8.17309	7.58018	6.12061	8.13411	10.5076	7.79592	73.45099
2006	46110	WELL R 7 (POLK 51208/L-41334)	2.05217	1.81341	1.42489	1.76216	0.96854	0.01412	0	3.5412	5.30643	7.2027	7.84471	5.73454	37.66487
2006	46111	WELL R 6 (POLK 51165/L-41319)	2.48489	0.94369	1.46325	1.71736	0.77551	3.62191	5.27789	5.0422	3.67378	4.98174	6.15805	4.34771	40.48798
2005	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	46102	WELL R 1 (POLK 50226/L-2881)	0	0	0	0	0	0	0	0	0	0	2.54881	0.43146	2.98027
2005	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	46108	WELL R 9 (POLK 51170/L-41331)	6.79914	5.52033	4.43701	5.29016	4.4456	4.92159	5.43532	6.02762	6.43026	12.81019	10.07396	7.73792	79.9291
2005	46110	WELL R 7 (POLK 51208/L-41334)	4.82615	3.8309	3.07534	3.71152	3.12843	3.4341	3.86804	4.37471	4.53583	3.19043	4.45757	4.18598	46.619
2005	46111	WELL R 6 (POLK 51165/L-41319)	1.67961	3.7281	1.04465	2.90962	2.48581	2.72579	2.89673	3.17416	3.41875	2.53829	3.82047	3.43839	33.86037
2004	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0.00021	0	0	0	0	0	0	0	0	0	0.00021
2004	46102	WELL R 1 (POLK 50226/L-2881)	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	46108	WELL R 9 (POLK 51170/L-41331)	4.10312	0.6546	3.00077	3.81894	3.56238	4.89244	4.59199	5.35001	5.19503	7.85699	9.03238	6.72733	58.78598

Water Year	Report ID	PERRYDALE DOM WATER ASSN Facility Name	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	MUN	MUL	AUG	SEP	OCT
			2004	46110	WELL R 7 (POLK 51208/L-41334)	5.55624	3.12848	3.2383	2.62759	2.50637	3.56207	3.06307	3.66396	3.31748	5.27052
2004	46111	WELL R 6 (POLK 51165/L-41319)	0	0	0	0.01534	3.90364	2.48703	2.3118	3.81924	3.00506	4.43394	4.85806	3.70232	28.53643
2003	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	46102	WELL R 1 (POLK 50226/L-2881)	2.37253	1.19248	0	0	0	0	0.05969	0	0	0	0	0	3.6247
2003	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0	0	0.0003	0	0	0	0	0.0003
2003	46108	WELL R 9 (POLK 51170/L-41331)	7.95611	8.85223	7.92757	8.92312	9.34018	7.6974	6.31578	3.84502	4.84732	7.5237	10.69878	8.93816	92.86537
2003	46110	WELL R 7 (POLK 51208/L-41334)	0	0	0	0	0	0	0.65214	2.16725	5.1849	4.4634	6.82676	3.9644	23.25885
2002	46096	WELL R 4 (POLK 50048/L-10461)	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	46102	WELL R 1 (POLK 50226/L-2881)	0	0.92039	0	0	0	0	0.00205	0	0.00049	1.5234	3.89777	3.54868	9.89278
2002	46104	WELL R 3 (POLK 50227/L-2874)	0	0	0	0	0	0.00003	0.00003	0	0	0	0	0	0.00006
2002	46108	WELL R 9 (POLK 51170/L-41331)	10.80742	8.4769	6.47015	8.15006	11.51081	5.32874	4.34555	9.16894	9.78824	12.76262	12.56989	11.00322	110.3825
2001	46096	WELL R 4 (POLK 50048/L-10461)	0.11459	0.03624	0.08712	0	0	0.00527	0	0	0	0	0	0	0.24322
2001	46102	WELL R 1 (POLK 50226/L-2881)	7.59223	7.30259	5.65036	7.17508	6.31585	5.81709	6.53438	5.37873	4.69934	5.5005	2.25738	0.0003	64.22383
2001	46104	WELL R 3 (POLK 50227/L-2874)	0.00015	0	0.00021	0	0	0	0.00917	0	0	0	0	0	0.00953
2001	46108	WELL R 9 (POLK 51170/L-41331)	0	0	0	0	0	0	0	4.31609	11.24904	13.07718	14.70247	15.25548	58.60026
2000	46096	WELL R 4 (POLK 50048/L-10461)	0.03375	0.1678	0.03013	0.00365	0	0.03636	0.00104	0.14172	0	0.13104	0.09357	0.09129	0.73035
2000	46102	WELL R 1 (POLK 50226/L-2881)	1.47021	1.23833	2.12619	2.80886	3.47871	3.14322	2.18882	0.90268	1.48015	1.74442	1.55166	5.97124	28.10449
2000	46104	WELL R 3 (POLK 50227/L-2874)	5.00914	3.68678	3.06334	1.23529	1.01071	1.2734	2.37992	3.78971	4.66619	2.88645	3.23378	4.21156	36.44627



# Perrydale Domestic Water Association

**RECEIVED** 11475 West Perrydale Rd., Amity, OR 97101, phone (503) 835-7221

OCT 25 2004

October 21, 2004

**WATER RESOURCES DEPT  
SALEM, OREGON**

Mr. Phil Ward, Acting Director and  
Mr. Douglas Woodcock, Chief, Hydrology Section  
Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem, Oregon 97301-1271

RE: Application for Time Extension  
Application G-13929, Permit G 12721 (Reimer Road Well Field)

Dear Acting Director Ward and Mr. Woodcock:

This letter follows up on my prior correspondence to Deputy Director Reeves dated November 14, 2001, and our recent meeting concerning static water levels and weather monitoring with regard to the Perrydale Domestic Water Association's ("Perrydale(s)") Reimer Road well field, and Ground Water Permit No. G12721.

As you are aware, on October 1, 1999, Perrydale filed a timely Application for Time Extension for Permit G 12721. Department staff and Perrydale had previously agreed to conduct several additional years of well monitoring before determining the nature and extent of any extension to be approved by the Department.

Perrydale is encouraged by the annual well recoveries noted since 2001, and is submitting this letter as a follow-up to our recent meeting and to propose further investigation of the nature and extent of the Reimer Road resource as follows:

1. By conducting a six-year cooperative monitoring study of the static water levels in volcanic basalt deposits lying westerly of Perrydale's Reimer Road well field, in Sections 6,7,18, 19, and 30 of T7S R5W, and Sections 7 through 30 of T7S R6W of the Willamette Meridian. The study would consist of remote monitoring sites and include at least five existing or newly drilled wells with depths encompassing the 200 to 400 foot levels of elevation above sea level, with quarterly monitoring of static water levels on or about December 31st, March 30<sup>th</sup>, June 30<sup>th</sup> and September 30<sup>th</sup>. One monitoring well (without pump) will be within the Reimer Rd well field and will have access for water level recording equipment. Monitoring locations would be

approved in advance by the Hydrology Section of the Department. Readings at the five Reimer Road production wells would be taken on the same days. Readings would be made by certified water rights examiners, Perrydale staff approved by the Department, or mechanical and electronic means on monitoring equipment left in place on selected wells. A time line for the study would be as follows:

2004	Locate and obtain approval on five monitoring wells, and drill wells if necessary. Obtain written monitoring agreements.
2005	Commence readings on quarterly basis at 5 wells
2010	Compile data on five year water level study.
2011	Prepare draft conditions for Extension of Time order consistent with data from five-year water study.

Out of pocket costs for the study would be paid by Perrydale. The Department would donate staff time on an "as available" basis.

2. During the six year study period, Perrydale would further test the Reimer Road well field capacity by stepped increases in water production. Increased production would be limited to three two year periods with specified production limits during those periods as follows:

2005-2006	maximum production limited to 57,000,000 gallons
2007-2008	maximum production limited to 72,000,000 gallons
2009-2010	maximum production limited to 87,000,000 gallons

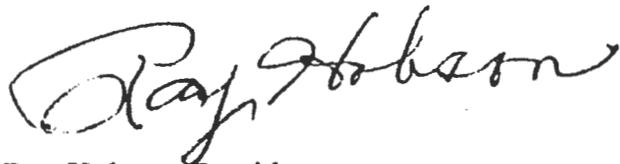
Recovery during the six-year study period would continue to comply with existing permit conditions.

3. During the study period, production wells at the Reimer Road well field would not be permitted to be pumped at water levels below 275 feet above sea level without Department concurrence. No further production wells would be drilled at Reimer Road by Perrydale during the study period.
4. Perrydale would continue to collect rainfall data for the North Dallas area and compare it with well static water level recovery trends observed.
5. During the study period Perrydale would undertake and complete a coordinated Health Division/OWRD Master Plan update to coordinate long term population projections, conservation planning, regional water system participation, operational considerations, and anticipated future permit utilization projections.
6. At the conclusion of the study period Department staff would work with Perrydale to develop appropriate terms and provisions for inclusion into a draft Order for an

Extension of Time to be published for public comment in accordance with the appropriate procedures of the department.

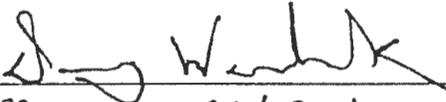
I request your approval of the proposed program set forth above, as the basis for moving forward on Perrydale's pending Application for Extension of Time in a deliberate and constructive manner.

Very Truly Yours,

A handwritten signature in black ink that reads "Ray Hobson". The signature is written in a cursive, flowing style.

Ray Hobson, President  
Perrydale Domestic Water Association

Approved on behalf of the  
Oregon Water Resources Department

By:   
Title: Manager GW Section

# Perrydale Domestic Water Assn.

Reimer Well Field  
7-29-2000

Reimer Rd

Google Earth

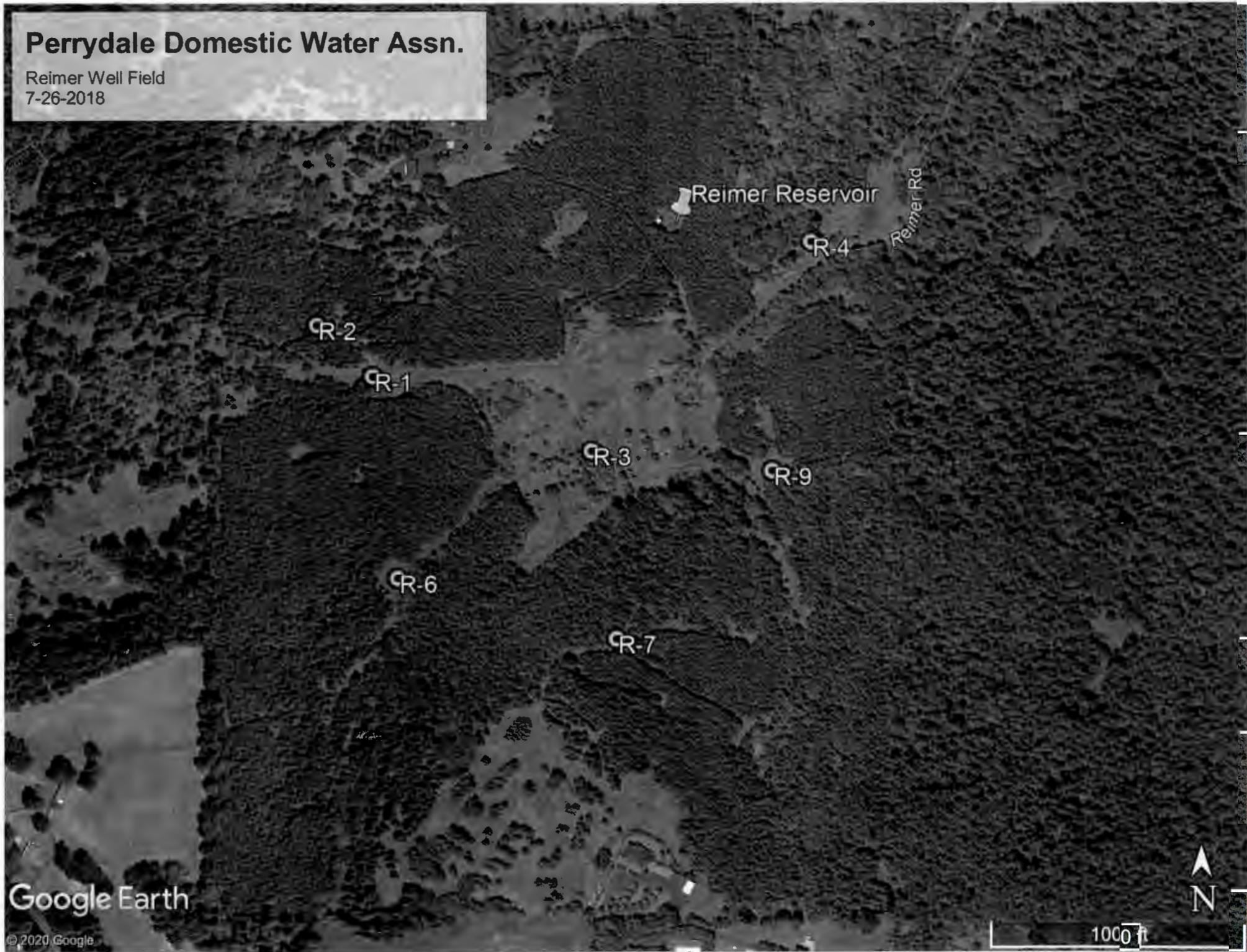
Image U.S. Geological Survey



1000 ft

# Perrydale Domestic Water Assn.

Reimer Well Field  
7-26-2018



Google Earth

© 2020 Google

1000 ft



# **Perrydale Domestic Water Association**

Polk County, Oregon

2008

## **Water System Master Plan**

Prepared by:

Boatwright Engineering, Inc.  
2613 12<sup>th</sup> Street SE  
Salem, Oregon 97302

September 2008

length of horizontal stainless steel well screen was placed at the top interior of the on-site reservoir. As the water enters the reservoir, it flows through this screen and is allowed to cascade into the reservoir, releasing the gas which is then vented to the outside through the reservoir's vent system.

Perrydale operates the Reimer well field at 470 gallons per minute, which is throttled back from its full capacity of 640 gallons per minute. During periods of peak needs, the wells pump 75% of the time. During periods of non-peak needs the wells operate 50% of the time. This further reduces production from these wells by reducing the actual time that the pumps operate. The other 170 gallons per minute of reserve capacity in the Reimer well field is available for short term emergency usage.

Across the system, Perrydale currently has approximately 830 gallons per minute of primary source of supply during the summer season and an additional 240 gallons per minute of reserve supply available for short term use. On average, the pumps on the primary sources are being operated less than 40% of the time.

Perrydale has filed for a Time Extension for the Reimer Road well field. An agreement with WRD (**See Appendix C**) has been approved for managing the site and to determine its ultimate capacity. The 6-year program includes monitoring year-round static water levels in five surrounding wells; stepped increases in production from the Reimer Road well field in 2-year increments; restrictions on the pumping levels within the wells; collection of rainfall data for the area; no further drilling of production wells during the study period; completion of a Master Plan; and, at the conclusion, WRD will work with Perrydale to develop appropriate terms and provisions for inclusion into a draft Order for an Extension of Time.

In 2008, Perrydale has six primary, or main, production wells and four secondary, or reserve, wells with the flow capacity characteristics shown in Table 2-1.

**Table 2-1**

Well	Current Capacity gallons per minute	Current Use Rate gallons per minute	Use
L-1	90	90	Primary
L-2A	40	0	Reserve
L-3	190	190	Primary
L-4	110	80	Primary
R-1	110	80	Reserve
R-4	60	0	Reserve
R-6	140	100	Primary
R-7	140	100	Primary
R-9	190	190	Primary

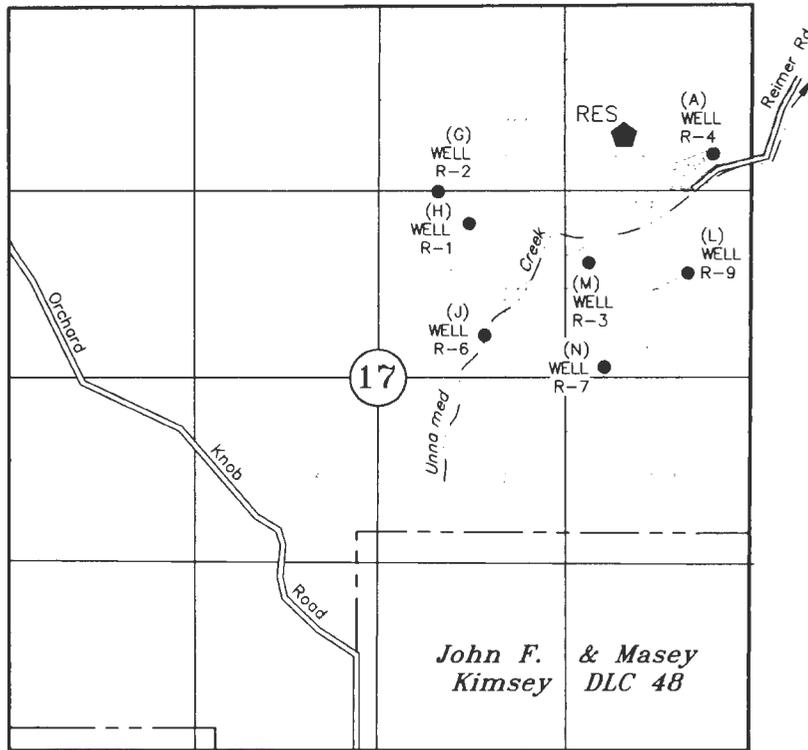
# T7S, R5W, WM

POLK COUNTY

**NOTES:**

- 1) POA'S WERE IDENTIFIED ON THE APPLICATION MAP AS POD'S AND WERE LABELED BY LETTERS. WELL LOGS, MEASUREMENT RECORDS, ETC., HAVE SINCE BEEN KEPT BY NUMERICAL DESIGNATIONS.
- 2) THE "R" MODIFIER INDICATES THE REIMER WELL FIELD, TO DIFFERENTIATE THE WELLS FROM THOSE THE ASSOCIATION HAS IN THE LINCOLN AREA WHICH HAVE "L" MODIFIERS.
- 3) THE APPLICATION MAP DESCRIPTORS FOR WELLS "N" THROUGH "R" CONTAIN A SCRIVENER'S ERROR. THE REFERENCE CORNER SHOULD READ THE "NE COR OF THE NW 1/4, SE 1/4" THE MAPPED LOCATIONS WERE SHOWN AS INTENDED.
- 4) LETTER IN PARENTHESIS (X) IS THE CLOSEST PROPOSED POD SHOWN ON THE APPLICATION MAP.

● WELL w/METER  
 PIPELINE



TAX LOTS:  
 7.5.17 101  
 7.5.17 105  
 7.5.17 114  
 7.5.17 115  
 7.5.17 117

*Charles Ham DLC 49*

- WELL R-1 & METER: 1550' South & 645' East, North 1/4 Cor Sec 17
- WELL R-2 NO METER: 1325' South & 415' East, North 1/4 Cor Sec 17
- WELL R-3 & METER: 1830' South & 1500' East, North 1/4 Cor Sec 17
- WELL R-4 & METER: 1000' South & 2330' East, North 1/4 Cor Sec 17
- WELL R-6 & METER: 2340' South & 760' East, North 1/4 Cor Sec 17
- WELL R-7 & METER: 2565' South & 1610' East, North 1/4 Cor Sec 17
- WELL R-9 & METER: 1900' South & 2200' East, North 1/4 Cor Sec 17

## Actual Well Construction Locations

UNDER

Application No. G-13929 , Permit No. G-12721

IN THE NAME OF

## Perrydale Domestic Water Association

APRIL 20, 2020

SCALE: 1" = 1320'

NOTE: This map is not intended to provide legal dimensions or locations of property ownership lines.

# Coordinated Population Forecast



**2017**

Through

**2067**

## Polk County

Urban Growth  
Boundaries (UGB)  
& Area Outside UGBs

**Coordinated Population Forecast for Polk County, its  
Urban Growth Boundaries (UGB), and  
Area Outside UGBs  
2017-2067**

**Prepared by  
Population Research Center  
College of Urban and Public Affairs  
Portland State University**

**June 30, 2017**

This project is funded by the State of Oregon through the Department of Land Conservation and Development (DLCD). The contents of this document do not necessarily reflect the views or policies of the State of Oregon.

**Figure 1. Polk County and Sub-Areas—Historical and Forecast Populations, and Average Annual Growth Rates (AAGR)**

	Historical			Forecast				
	2000	2010	AAGR (2000-2010)	2017	2035	2067	AAGR (2017-2035)	AAGR (2035-2067)
<i>Polk County</i>	62,380	75,403	1.9%	81,089	105,217	149,203	1.5%	1.1%
Dallas UGB	13,277	15,356	1.5%	16,414	22,665	33,208	1.8%	1.2%
Falls City UGB	966	947	-0.2%	1,003	1,119	1,285	0.6%	0.4%
Independence UGB	6,248	8,696	3.4%	9,326	13,803	21,741	2.2%	1.4%
Monmouth UGB	7,834	9,598	2.1%	9,944	12,943	17,708	1.5%	1.0%
Salem/Keizer UGB (Polk)	19,919	26,139	2.8%	27,888	36,936	54,045	1.6%	1.2%
Willamina UGB (Polk)	731	866	1.7%	898	1,049	1,277	0.9%	0.6%
Outside UGBs	13,405	13,801	0.3%	15,616	16,702	19,940	0.4%	0.6%

Sources: U.S. Census Bureau, 2000 and 2010 Censuses; Forecast by Population Research Center (PRC).

**Figure 13. Polk County and Sub-Areas—Total Housing Units (2000 and 2010)**

	AAGR			Share of County 2000	Share of County 2010
	2000	2010	(2000-2010)		
<i>Polk County</i>	24,461	30,302	2.2%	100.0%	100.0%
Dallas	5,233	6,449	2.1%	21.4%	21.3%
Falls City	373	395	0.6%	1.5%	1.3%
Independence	2,212	3,215	3.8%	9.0%	10.6%
Monmouth	2,966	3,484	1.6%	12.1%	11.5%
Salem/Keizer (Polk)	8,260	10,818	2.7%	33.8%	35.7%
Willamina (Polk)	280	347	2.2%	1.1%	1.1%
Outside UGBs	5,137	5,594	0.9%	21.0%	18.5%

Sources: U.S. Census Bureau, 2000 and 2010 Censuses.

Note: For simplicity each UGB is referred to by its primary city's name.

Occupancy rates tend to fluctuate more than PPH. This is particularly true in smaller UGBs where fewer housing units allow for larger changes (in relative terms) in occupancy rates. From 2000 to 2010, the occupancy rate in Polk County decreased by just under one percent; this was most likely due to slack in demand for housing as individuals experienced the effects of the Great Recession (Figure 14). The Polk County portion of Willamina, Independence, and Dallas, at -4.7, -3.3, and -1.5 percent respectively, saw decreases in occupancy rate larger than that of Polk County, while the Polk County portion of Salem-Keizer and the areas outside UGBs both saw decreases of -0.5 percent. Falls City and Monmouth witnessed increases of 2 and 0.1 percent, respectively, in occupancy rates.

Average household size, or PPH, in Polk County was 2.6 in 2010, identical to 2000 (Figure 14). Polk County's PPH in 2010 was slightly higher than for Oregon as a whole, which had a PPH of 2.5. PPH varied across the six UGBs, with all of them falling between two and a half and three persons per household. Dallas and Monmouth registered the lowest PPH at 2.5; Independence was highest at 3.0.

**Figure 14. Polk County and Sub-Areas—Persons per Household (PPH) and Occupancy Rate**

	Persons Per Household (PPH)			Occupancy Rate		
	2000	2010	Change	2000	2010	Change
			2000-2010			2000-2010
<i>Polk County</i>	2.6	2.6	0.0	94.3%	93.4%	-0.9%
Dallas	2.6	2.5	-0.1	95.3%	93.8%	-1.5%
Falls City	2.9	2.6	-0.3	90.6%	92.7%	2.0%
Independence	3.0	3.0	0.0	93.6%	90.3%	-3.3%
Monmouth	2.5	2.5	0.0	94.0%	94.1%	0.1%
Salem/Keizer (Polk)	2.5	2.6	0.1	94.5%	94.0%	-0.5%
Willamina (Polk)	2.8	2.8	0.0	94.3%	89.6%	-4.7%
Outside UGBs	2.8	2.6	-0.1	93.6%	93.1%	-0.5%

Sources: U.S. Census Bureau, 2000 and 2010 Censuses.

Note: For simplicity each UGB is referred to by its primary city's name.

**APPLICATION FOR EXTENSION OF TIME  
TO THE WATER RESOURCES DIRECTOR OF OREGON**

I, Perrydale Domestic Water Association

NAME

11475 W. Perrydale Road                      Amity                      OR                      97101 (503) 835-7221

ADDRESS

CITY

STATE    ZIP

PHONE

owner of record, or duly authorized agent, of Application No. G-13929 Permit No. G-12721, do hereby request that the time in which to:

complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1999, be extended to October 1, 2060,

and/or the time in which to:

accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2060.

**NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.**

**Enclosed is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.**

**After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.**

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?  
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

**RECEIVED**

OCT 01 1999

WATER RESOURCES DEPT.  
SALEM OREGON

A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review).

Meters have been installed; access by the watermaster is available; several surrounding private wells are being monitored for interference monitoring plan has been submitted to WRD

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions.

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period: Constructed 3 well houses; a 53,000 gal reservoir; 4900 LF of 14" pipe; 1080 LF of 10" pipe; 9730 LF of 8" pipe; 1130 LF of 6" pipe; 360 LF of 4" pipe; added 20 new service connections

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period: Engineering plans for 1999 construction work; constructed 3 wells

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): Total= 108 gpm = 0.24 cfs = 0.6% or right  
Pumping has just begun this summer and we are going very gradually so that we can monitor the affect on surrounding wells (see 2-A above)

4-Cost of project to date \$450,000. Estimated remaining cost to complete the project \$800,000 to \$1 mil

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. This is a community water supply of sufficient quantity to allow for long-term growth

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

D) Acts of God or other unforeseen events delayed full development of the water system and use of water.

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. The economic market includes increased population growth in the area and, since this is a farming community, the farm products serve both the local and national markets.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

A) Has there been any change in this market since the permit was issued? \_\_\_\_\_  
Yes, it has continued to increase as the number of residences within our boundary has increased and also with a number of domestic wells that have failed.

\_\_\_\_\_

\_\_\_\_\_

B) Have these changes, if any, affected the economic feasibility of your project? \_\_\_\_\_  
Yes, they are the cause of increased demands that have made the water more valuable and necessary.

\_\_\_\_\_

\_\_\_\_\_

7-Are there other present competing demands for water in your community? \_\_\_\_\_  
farming and domestic users

\_\_\_\_\_

\_\_\_\_\_

A) Has there been any change in these demands for water since the permit was issued? \_\_\_\_\_  
No

\_\_\_\_\_

\_\_\_\_\_

B) Are you aware of alternative sources of water that may be able to satisfy the competing demands?  
No

\_\_\_\_\_

\_\_\_\_\_

C) Are you aware of any adverse affects on your source of water that may have been caused by recent changes in use of water in your community? \_\_\_\_\_  
No

\_\_\_\_\_

\_\_\_\_\_

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project?

Yes, see attached rate schedule and policy.

9-If the extension request is denied, is the current level of water use economically feasible?

No, not with the community growing as it is.

See attached list for water rights held by the Association.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.

*Corbey Boatwright*

Signature Corbey Boatwright, PE, CWRE  
Engineer for the Assoc.

*10-1-99*

Date

**MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:**

**WATER RIGHT PERMIT EXTENSIONS  
WATER RESOURCES  
158 12TH ST NE  
SALEM, OREGON 97310**



**Boatwright Engineering Inc.**

2613 12th ST SE, SALEM, OREGON 97302  
civil engineers • land surveyors

(503) 363-9225 (FAX) 363-1051

**Perrydale Domestic Water Association**  
EXISTING WATER RIGHTS

Appl.	Permit	Certificate	Priority	Rate	Use	Source
G-6717	G-6352	60002	11-8-1974	0.4 cfs	Quasi-municipal.	Well 1
G-11935	G-10987.	---	6-16-1981	60 gpm	Quasi-municipal	Well 2-A
G-11825	G-10908	Proof Survey 10-1-1998	6-22-1988	0.67cfs	Quasi-municipal	Well 3
G-11913	G-10986	Proof Survey 10-1-1998	4-24-1989	150 gpm	Quasi-municipal	Well 4
G-13929	G-12721	---	12-28-1994	4 cfs	Quasi-municipal	Well Field 5 thru X

T 10935 G-5655  
G-16772

Cost per thousand

3-5,000	\$3.00
6-15,000	1.90
15-35,000	2.20
Over 35,000	2.50

Perrydale Domestic Water Association - Rates July 1, 1999

Time

Gallons	Cost	Gallons	Cost	Gallons	Cost	Gallons	Cost
3000	\$15.00	8100	\$27.99	13200	\$37.66	18300	\$48.36
3100	\$15.30	8200	\$28.18	13300	\$37.87	18400	\$48.56
3200	\$15.60	8300	\$28.37	13400	\$38.06	18500	\$48.80
3300	\$15.90	8400	\$28.56	13500	\$38.25	18600	\$49.02
3400	\$16.20	8500	\$28.75	13600	\$38.44	18700	\$49.24
3500	\$16.50	8600	\$28.94	13700	\$38.63	18800	\$49.46
3600	\$16.80	8700	\$29.13	13800	\$38.82	18900	\$49.68
3700	\$17.10	8800	\$29.32	13900	\$39.01	19000	\$49.90
3800	\$17.40	8900	\$29.51	14000	\$39.20	19100	\$50.12
3900	\$17.70	9000	\$29.70	14100	\$39.39	19200	\$50.34
4000	\$18.00	9100	\$29.89	14200	\$39.58	19300	\$50.56
4100	\$18.30	9200	\$30.08	14300	\$39.77	19400	\$50.78
4200	\$18.60	9300	\$30.27	14400	\$39.96	19500	\$51.00
4300	\$18.90	9400	\$30.46	14500	\$40.15	19600	\$51.22
4400	\$19.20	9500	\$30.65	14600	\$40.34	19700	\$51.44
4500	\$19.50	9600	\$30.84	14700	\$40.53	19800	\$51.66
4600	\$19.80	9700	\$31.03	14800	\$40.72	19900	\$51.88
4700	\$20.10	9800	\$31.22	14900	\$40.91	20000	\$52.10
4800	\$20.40	9900	\$31.41	15000	\$41.10	20100	\$52.32
4900	\$20.70	10000	\$31.60	15100	\$41.32	20200	\$52.54
5000	\$21.00	10100	\$31.79	15200	\$41.54	20300	\$52.76
5100	\$21.30	10200	\$31.98	15300	\$41.76	20400	\$52.98
5200	\$21.60	10300	\$32.17	15400	\$41.98	20500	\$53.20
5300	\$21.90	10400	\$32.36	15500	\$42.20	20600	\$53.42
5400	\$22.20	10500	\$32.55	15600	\$42.42	20700	\$53.64
5500	\$22.50	10600	\$32.74	15700	\$42.64	20800	\$53.86
5600	\$22.80	10700	\$32.93	15800	\$42.86	20900	\$54.08
5700	\$23.10	10800	\$33.12	15900	\$43.08	21000	\$54.30
5800	\$23.40	10900	\$33.31	16000	\$43.30	21100	\$54.52
5900	\$23.70	11000	\$33.50	16100	\$43.52	21200	\$54.74
6000	\$24.00	11100	\$33.69	16200	\$43.74	21300	\$54.96
6100	\$24.19	11200	\$33.88	16300	\$43.96	21400	\$55.18
6200	\$24.38	11300	\$34.07	16400	\$44.18	21500	\$55.40
6300	\$24.57	11400	\$34.26	16500	\$44.40	21600	\$55.62
6400	\$24.76	11500	\$34.45	16600	\$44.62	21700	\$55.84
6500	\$24.95	11600	\$34.64	16700	\$44.84	21800	\$56.06
6600	\$25.14	11700	\$34.83	16800	\$45.06	21900	\$56.28
6700	\$25.33	11800	\$35.02	16900	\$45.28	22000	\$56.50
6800	\$25.52	11900	\$35.21	17000	\$45.50	22100	\$56.72
6900	\$25.71	12000	\$35.40	17100	\$45.72	22200	\$56.94
7000	\$25.90	12100	\$35.59	17200	\$45.94	22300	\$57.16
7100	\$26.09	12200	\$35.78	17300	\$46.16	22400	\$57.38
7200	\$26.28	12300	\$35.97	17400	\$46.38	22500	\$57.60
7300	\$26.47	12400	\$36.16	17500	\$46.60	22600	\$57.82
7400	\$26.66	12500	\$36.35	17600	\$46.82	22700	\$58.04
7500	\$26.85	12600	\$36.54	17700	\$47.04	22800	\$58.26
7600	\$27.04	12700	\$36.73	17800	\$47.26	22900	\$58.48
7700	\$27.23	12800	\$36.92	17900	\$47.48	23000	\$58.70
7800	\$27.42	12900	\$37.11	18000	\$47.70	23100	\$58.92
7900	\$27.61	13000	\$37.30	18100	\$47.92	23200	\$59.14
8000	\$27.80	13100	\$37.49	18200	\$48.14	23300	\$59.36

(d) To prescribe, adopt and amend, from time to time, such equitable uniform rules and regulations as, in their discretion, may be deemed essential or convenient for the conduct of the business and affairs of the association and the guidance and control of its officers and employees, and to prescribe adequate penalties for the breach thereof.

(e) To order, at least once each year, an audit of the books and accounts of the association by a competent public auditor or accountant. The report prepared by such auditor or accountant shall be submitted to the members of the association at their annual meeting.

(f) To fix the charges to be paid by each member for services rendered by the association to him, the time of payment and the manner of collection.

(g) To require all officers, agents and employees charged with responsibility for the custody of any of the funds of the cooperative to give adequate bonds, the cost thereof to be paid by the association, and it shall be mandatory upon the directors to so require.

(h) To select one or more banks to act as depositories of the funds of the association and to determine the manner of receiving, depositing, and disbursing the funds of the association and the form of checks and the person or persons by whom the same shall be signed, with the power to change such banks and the person or persons signing such checks and the form thereof at will.

## ARTICLE X

### Duties of Officers

Section 1. Duties of the president. The president shall preside over all meetings of the association and the Board of Directors, call special meetings of the Board of Directors, perform all acts and duties usually performed by an executive and presiding officer, and sign all membership certificates and such other papers of the association as he may be authorized or directed to sign by the Board of Directors, provided the Board of Directors may authorize any person to sign any or all checks, contracts and other instruments in writing on behalf of the association. The president shall perform such other duties as may be prescribed by the Board of Directors.

Section 2. Duties of the vice-president. In the absence or disability of the president, the vice-president shall perform the duties of the president; provided, however, that in case of death, resignation, or disability of the president, the Board of Directors may declare the office vacant and elect his successor.

Section 3. Duties of the secretary. The secretary shall keep a complete record of all meetings of the association and of the Board of Directors and shall have general charge and supervision of the books and records of the association with the exception of financial records. He shall sign all membership certificates and with the president and such other papers pertaining to the association as he may be authorized or directed to do so by the Board of Directors. He shall serve all notices required by law and these By-Laws and shall make a full report of all matters and business pertaining to his office to the next meeting.

certificate records of the association, complete and countersign all certificates issued, and affix said corporate seal to all papers re-

(By-Laws - 6)

necessary considerable, special or reserve equipment or capacity, the association may require a contract for an extended period and may also require the customer to furnish security satisfactory to the association to protect the association against loss and to guarantee the performance of the provisions of such contract.

Except for special contracts in which the contract rates shall be extended, all rules, rates and regulations are subject to change and modification by the association without notice.

Except for special contracts, each residence shall have a separate meter.

Each customer who intends to vacate any premises supplied with water served by the association shall give written notice of such intent at least two days prior thereto, specifying the date service is to be discontinued. Such customers shall be responsible for water supplied to such premises until such notice shall have been received.

The association shall have the right to make special contracts, the provisions and conditions of which may be different from or have exceptions to the regular published schedules. These special contracts shall be in writing, signed by the customer and approved by action of the Board of Directors.

#### Water Rates

The rates to be charged by the association for water supplied to its customers and members shall be in the amounts as set forth in Schedule A which is attached to these rules and regulations, as the same may be amended from time to time by the Board of Directors of the association.

#### Payment and Non-Payment of Water Charges

All charges made for water shall be due and payable monthly at the office of the treasurer of the association on the date of the mailing or delivery of a statement therefor, and shall become delinquent ten days thereafter, except in cases where special contract arrangements in writing specify a different date. The association may specify such other places for the payment of charges by a designation thereof upon the face of the statements rendered.

Service may be discontinued to any customer whose payment for water is delinquent, provided, however, that a five-day written notice shall

packages shall be postage prepaid and properly addressed to the address given to the association by the customer.

#### Temporary Service

For water service of a temporary nature, or for construction purposes, the customer may be required to make a deposit to cover the cost of labor and material of connection and disconnection, and for a reasonable depreciation charge for the use of equipment and material furnished and owned by the association.

#### Change of Occupancy and Discontinuance of Service

At the time specified by the customer in a notice to the association that such customer intends to vacate the premises where service is supplied, or in the event that a customer notified the association that he desires water service to be discontinued, the meter shall be read and a statement rendered which shall be payable immediately. In no event shall the charge be less than the proportionate share of the monthly

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY, OREGON 97101

(503) 835-7221

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13929

SOURCE OF WATER: EIGHTEEN WELLS WITHIN THE WILLAMETTE RIVER BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 4.0 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 28, 1994

POINT OF DIVERSION LOCATION: NE 1/4 NE 1/4, NW 1/4 NE 1/4, SW 1/4 NE 1/4, SE 1/4 NE 1/4, NE 1/4 SE 1/4, NW 1/4 SE 1/4, SECTION 17, TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.; WELL A - 80' NORTH & 1150' EAST; WELL B - 80' NORTH & 490' EAST; WELL C - 320' NORTH & 340' EAST; WELL D - 530' NORTH & 180' EAST; WELL E - 410' NORTH & 100' WEST; WELL F - 320' NORTH & 340' WEST; WELL G - 170' NORTH & 840' WEST; WELL H - 200' SOUTH & 1030' WEST; WELL I - 600' SOUTH & 1050' WEST; WELL J - 1100' SOUTH & 1060' WEST; WELL K - 200' SOUTH & 340' EAST; WELL L - 200' SOUTH & 880' EAST; WELL M - 400' SOUTH & 114' EAST, ALL FROM THE SW CORNER OF THE NE 1/4, NE 1/4; WELL N - 100' NORTH & 680' EAST; WELL O - 110' SOUTH & 600' EAST; WELL P - 210' SOUTH & 100' EAST; WELL Q - 170' SOUTH & 170' WEST; WELL R - 90' SOUTH & 950' WEST; ALL FROM THE NE CORNER OF THE NE 1/4, SE 1/4

THE PLACE OF USE IS LOCATED AS FOLLOWS:

ALL  
 SECTIONS 30-33  
 TOWNSHIP 5 SOUTH, RANGE 4 WEST, W.M.  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 25  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 26  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 27  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 28  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 29  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 29  
 S 1/2  
 S 1/2, N 1/2  
 SECTION 30  
 ALL  
 SECTION 31-36  
 TOWNSHIP 5 SOUTH, RANGE 5 WEST, W.M.  
 ALL  
 SECTION 36  
 TOWNSHIP 6 SOUTH, RANGE 3 WEST, W.M.  
 ALL  
 SECTIONS 29-32  
 TOWNSHIP 5 SOUTH, RANGE 6 WEST, W.M.  
 ALL  
 SECTIONS 4-9  
 ALL  
 SECTIONS 16-21  
 ALL  
 SECTION 23  
 ALL  
 SECTIONS 25 & 26  
 W 1/2 SECTION 27  
 ALL  
 SECTIONS 28-33  
 ALL  
 W 1/2 SECTION 34  
 TOWNSHIP 6 SOUTH, RANGE 4 WEST, W.M.  
 ALL  
 SECTIONS 1 THROUGH 36  
 TOWNSHIP 6 SOUTH, RANGE 5 WEST, W.M.

ALL  
 SECTION 1  
 S 1/2 SECTIONS 2-4  
 ALL  
 SECTIONS 9-16  
 ALL  
 SECTIONS 21-28  
 ALL  
 SECTIONS 33-36  
 TOWNSHIP 6 SOUTH, RANGE 6 WEST, W.M.  
 W 1/2 SECTION 3  
 ALL  
 SECTIONS 4-9  
 W 1/2 SECTION 10  
 NW 1/4 SECTION 15  
 N 1/2 SECTION 17  
 ALL  
 SECTION 18  
 T 7 S, R 4 W  
 ALL  
 SECTIONS 1-12  
 ALL  
 SECTIONS 15 & 16  
 ALL  
 SECTIONS 18-19  
 TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.  
 ALL  
 SECTIONS 1-4  
 ALL  
 SECTIONS 11-14  
 ALL  
 SECTIONS 23-24  
 TOWNSHIP 7 SOUTH, RANGE 6 WEST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations.

#### STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

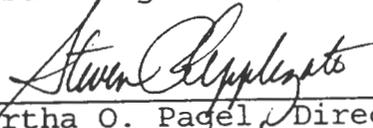
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued August 28, 1996

*for*   
Martha O. Pagel, Director  
Water Resources Department

Application G-13929  
Basin 02

Water Resources Department  
Volume 11A Salt Ck. & Misc.  
MGMT.CODE 7BG, 7BR, 7AG, 7AR

PERMIT G-12721  
District 16

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY, OREGON 97101

(503)835-7221

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13929

SOURCE OF WATER: EIGHTEEN WELLS WITHIN THE WILLAMETTE RIVER BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 4.0 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 28, 1994

POINT OF DIVERSION LOCATION: NE 1/4 NE 1/4, NW 1/4 NE 1/4, SW 1/4 NE 1/4, SE 1/4 NE 1/4, NE 1/4 SE 1/4, NW 1/4 SE 1/4, SECTION 17, TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.; WELL A - 80' NORTH & 1150' EAST; WELL B - 80' NORTH & 490' EAST; WELL C - 320' NORTH & 340' EAST; WELL D - 530' NORTH & 180' EAST; WELL E - 410' NORTH & 100' WEST; WELL F - 320' NORTH & 340' WEST; WELL G - 170' NORTH & 840' WEST; WELL H - 200' SOUTH & 1030' WEST; WELL I - 600' SOUTH & 1050' WEST; WELL J - 1100' SOUTH & 1060' WEST; WELL K - 200' SOUTH & 340' EAST; WELL L - 200' SOUTH & 880' EAST; WELL M - 400' SOUTH & 114' EAST, ALL FROM THE SW CORNER OF THE NE 1/4, NE 1/4; WELL N - 100' NORTH & 680' EAST; WELL O - 110' SOUTH & 600' EAST; WELL P - 210' SOUTH & 100' EAST; WELL Q - 170' SOUTH & 170' WEST; WELL R - 90' SOUTH & 950' WEST; ALL FROM THE NE CORNER OF THE NE 1/4, SE 1/4

THE PLACE OF USE IS LOCATED AS FOLLOWS:

ALL  
SECTIONS 30-33  
TOWNSHIP 5 SOUTH, RANGE 4 WEST, W.M.  
S 1/2  
S 1/2, N 1/2  
SECTION 25  
S 1/2  
S 1/2, N 1/2  
SECTION 26  
S 1/2  
S 1/2, N 1/2  
SECTION 27  
S 1/2  
S 1/2, N 1/2  
SECTION 28  
S 1/2  
S 1/2, N 1/2  
SECTION 29  
S 1/2  
S 1/2, N 1/2  
SECTION 29  
S 1/2  
S 1/2, N 1/2  
SECTION 30  
ALL  
SECTION 31-36  
TOWNSHIP 5 SOUTH, RANGE 5 WEST, W.M.  
ALL  
SECTION 36  
TOWNSHIP 6 SOUTH, RANGE 3 WEST, W.M.  
ALL  
SECTIONS 29-32  
TOWNSHIP 5 SOUTH, RANGE 6 WEST, W.M.  
ALL  
SECTIONS 4-9  
ALL  
SECTIONS 16-21  
ALL  
SECTION 23  
ALL  
SECTIONS 25 & 26  
W 1/2 SECTION 27  
ALL  
SECTIONS 28-33  
ALL  
W 1/2 SECTION 34  
TOWNSHIP 6 SOUTH, RANGE 4 WEST, W.M.  
ALL  
SECTIONS 1 THROUGH 36  
TOWNSHIP 6 SOUTH, RANGE 5 WEST, W.M.

ALL  
 SECTION 1  
 S 1/2 SECTIONS 2-4  
 ALL  
 SECTIONS 9-16  
 ALL  
 SECTIONS 21-28  
 ALL  
 SECTIONS 33-36  
 TOWNSHIP 6 SOUTH, RANGE 6 WEST, W.M.  
 W 1/2 SECTION 3  
 ALL  
 SECTIONS 4-9  
 W 1/2 SECTION 10  
 NW 1/4 SECTION 15  
 N 1/2 SECTION 17  
 ALL  
 SECTION 18  
 T 7 S, R 4 W  
 ALL  
 SECTIONS 1-12  
 ALL  
 SECTIONS 15 & 16  
 ALL  
 SECTIONS 18-19  
 TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.  
 ALL  
 SECTIONS 1-4  
 ALL  
 SECTIONS 11-14  
 ALL  
 SECTIONS 23-24  
 TOWNSHIP 7 SOUTH, RANGE 6 WEST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations.

#### STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.



**Pump Test Index Data:**

**pod id** ..... 46094      **user id** ..... 16269      **T/R - S QQ** ..... 7..00S. / ..... 5..00W. - 17 NE.NE.

**appl** G..... 13929      **county** ..... POLK

**permit** G..... 12721      **prev pod id** .....      **prev user id** .....      **sub div** .....

**cert num** ..... 0      **pod status / cs** .....

**pod num** ..... 1      **pod id EM** .....

**status lu** ..... V      **test year** .....

**cppn** ..... 0 G 12721 1      **action date** .....

**comments** .....      **priority lu** ..... 12/28/1994      **Owner-Supplied Data:**

.....      **verified year** .....

.....      **last update** 1/14/2000.....      **log id** .....

.....      **comp depth** .....

.....      **date drilled** .....

.....      **well name** .....

**Pump Test (Current) Owner:**

**name f/l** ELLEN..... HOBSON.....      **owner code** .....G

**contact title** SECRETARY.....      **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC.....      **misc** .....

**street** 9185 PERRYDALE ROAD.....      **last**

**city/st/zip** AMITY..... OR..... 97101      **update** ..... 2/25/2000

**ph/fax/email** ..... 5038357221 .....

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK      **status** .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	basin_num
12/28/1994	QM	9	P	V	4	C	WE.....	2

**Wris\_logid Info:**

**logid** .....      **Owners Well Name** .....

**Max Depth** .....      **Logid Comments** .....

**stream1\_name** WELL A.....

**legal desc** 80 FEET NORTH & 1150 FEET EAST FROM SW CORNER..... NENE..... SECTION 17.....

**Pump Test Index Data:**

**pod id** ..... 46095 ..... **user id** ..... 16269 ..... **T/R - S QQ** ..... 7..00S. / ..... 5..00W. - 17 NE.NE..

**appl** G..... 13929 ..... **county** ..... POLK

**permit** G..... 12721 ..... **prev pod id** ..... **prev user id** ..... **sub div** .....

**cert num** ..... 0 ..... **pod status / cs** .....

**pod num** ..... 2 ..... **pod id EM** .....

**status lu** ..... V ..... **test year** .....

**cppn** ..... 0 G..... 12721 2 ..... **action date** .....

**comments** ..... **priority lu** ..... 12/28/1994 ..... **Owner-Supplied Data:**

..... **verified year** ..... **log id** .....

..... **last update** ..... 1/14/2000 ..... **comp depth** .....

..... **well name** .....

**Pump Test (Current) Owner:**

**name f/l** ELLEN..... HOBSON..... **owner code** ..... G

**contact title** SECRETARY..... **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC..... **misc** .....

**street** 9185 PERRYDALE ROAD..... **last**

**city/st/zip** AMITY..... OR..... 97101 **update** ..... 2/25/2000

**ph/fax/email** ..... 5038357221 .....

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK **status** ..... V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE	basin_num
12/28/1994	QM	9	A	V	4	C			2

**Wris\_logid Info:**

**logid** ..... **Owners Well Name** .....

**Max Depth** ..... **Logid Comments** .....

**stream1\_name** WELL\_B.....

**legal desc** 80 FEET NORTH & 490 FEET EAST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

**pod id** ..... 46096 ..... **user id** ..... 16269 ..... **T/R-S QQ** .....7..00S./ .....5..00W.- 17 NE.NE..

**appl** G..... 13929 ..... **county** ..... POLK

**permit** G..... 12721 ..... **prev pod id** ..... **prev user id** ..... **sub div** .....

**cert num** .....0 ..... **pod status / cs** .....

**pod num** .....3 ..... **pod id EM** .....

**status lu** .....V ..... **test year** .....

**cppn** ..... 0 G..... 12721 ..... 3 ..... **action date** .....

**comments** ..... **priority lu** .....12/28/1994 ..... **Owner-Supplied Data:**

..... **verified year** .....

..... **last update** .....1/14/2000..... **log id** .....

..... **well name** .....

**Pump Test (Current) Owner:**

**name f/i** ELLEN..... HOBSON..... **owner code** .....G

**contact title** SECRETARY..... **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC..... **misc** .....

**street** 9185 PERRYDALE ROAD..... **last**

**city/st/zip** AMITY..... OR..... 97101 **update** .....2/25/2000

**ph/fax/email** .....5038357221.....

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W. PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK **status** .....V

**WRIS pt.of.div Info:**

priority use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	basin_num
12/28/1994	QM	9	A	V	4 C	WE.....	2

**Wris\_logid Info:**

**logid** POLK..... 50365 ..... **Owners Well Name** .....

**Max Depth** ..... **Logid Comments** ORIGINAL WELL WAS POLK 50048, DRILLED FOR RANDY ROTH PER DRILLER FLOYD SIPPEL ON 5/18/1997. RCK.....

**stream1\_name** WELL C.....

**legal desc** 320 FEET NORTH & 340 FEET EAST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

pod id ..... 46097 ..... user id ..... 16269 ..... **T/R-S QQ** ..... 7..00.S. / ..... 5..00.W. - 17 NE.NE.

appl G..... 13929 ..... county ..... POLK

permit G..... 12721 ..... prev pod id ..... prev user id ..... sub div .....

cert num ..... 0 ..... pod status / cs .....

pod num ..... 4 ..... pod id EM .....

status lu ..... V ..... test year .....

cppn ..... 0 G..... 12721 ..... 4 ..... action date .....

comments ..... priority lu ..... 12/28/1994 ..... **Owner-Supplied Data:**

..... verified year ..... log id .....

..... last update ..... 1/14/2000 ..... comp depth .....

..... well name .....

**Pump Test (Current) Owner:**

name f/l ELLEN..... HOBSON..... owner code ..... G

contact title SECRETARY..... user status .....

other PERRYDALE DOMESTIC WATER ASSOC..... misc .....

street 9185 PERRYDALE ROAD..... last

city/st/zip AMITY..... OR..... 97101 update ..... 2/25/2000

ph/fax/email ..... 5038357221

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK status ..... V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE	basin_num
12/28/1994	QM	9	A	V	4	C			2

**Wris\_logid Info:**

logid ..... Owners Well Name .....

Max Depth ..... Logid Comments .....

stream1\_name WELL D.....

legal desc 530 FEET NORTH & 180 FEET EAST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

pod id ..... 46098 ..... user id ..... 16269 ..... **T/R-S QQ** .....7..00S./ .....5..00W.- 17 NW.NE..

appl G..... 13929 ..... county .....POLK

permit G..... 12721 ..... prev pod id ..... prev user id ..... sub div .....

cert num .....0 ..... pod status / cs .....

pod num .....5 ..... pod id EM .....

status lu .....V ..... test year .....

cppn ..... 0 G..... 12721 5 ..... action date .....

comments ..... priority lu ..12/28/1994 ..... **Owner-Supplied Data:**

..... verified year .....

..... last update ..1/14/2000..... log id .....

..... well name .....

**Pump Test (Current) Owner:**

name f/i ELLEN..... HOBSON..... owner code .....G

contact title SECRETARY..... user status .....

other PERRYDALE DOMESTIC WATER ASSOC..... misc .....

street 9185 PERRYDALE ROAD..... last

city/st/zip AMITY..... OR..... 97101 update .....2/25/2000

ph/fax/email .....5038357221.....

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

.....POLK status .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE.....	basin_num
12/28/1994	QM	9	A	V	4	C			2
.....									
.....									

**Wris\_logid Info:**

logid ..... Owners Well Name .....

Max Depth ..... Logid Comments .....

stream1\_name WELL E.....

legal desc 410 FEET NORTH & 100 FEET WEST FROM SW CORNER.. NENE.. SECTION 17.....

**Pump Test Index Data:**

**pod id** ..... 46099 ..... **user id** ..... 16269 ..... **T / R - S Q Q** ..... 7..00.S./ ..... 5..00.W. - 17 NW.NE..

**appl** G..... 13929 ..... **county** ..... POLK

**permit** G..... 12721 ..... **prev pod id** ..... **prev user id** ..... **sub div** .....

**cert num** ..... 0 ..... **pod status / cs** .....

**pod num** ..... 6 ..... **pod id EM** .....

**status lu** ..... V ..... **test year** .....

**cppn** ..... 0.G 12721 6 ..... **action date** .....

**comments** ..... **priority lu** ..... 12/28/1994 ..... **Owner-Supplied Data:**

..... **verified year** .....

..... **last update** ..... 1/14/2000 ..... **log id** .....

..... **comp depth** .....

..... **date drilled** .....

..... **well name** .....

**Pump Test (Current) Owner:**

**name f/i** ELLEN..... HOBSON..... **owner code** .....G

**contact title** SECRETARY..... **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC..... **misc** .....

**street** 9185 PERRYDALE ROAD..... **last**

**city/st/zip** AMITY..... OR..... 97101 **update** ..... 2/25/2000

**ph/fax/email** ..... 5038357221 .....

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W. PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK **status** .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE.....	basin_num
12/28/1994	QM	9	A	V	4	C			2
.....									
.....									

**Wris\_logid Info:**

**logid** ..... **Owners Well Name** .....

**Max Depth** ..... **Logid Comments** .....

**stream1\_name** WELL F.....

**legal desc** 320 FEET NORTH & 340 FEET WEST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

pod id                      user id                      **T / R - S Q Q** .....7..00.S. / .....5..00.W. - 17 NW.NE.

appl G..... 13929                      ..... 46100                      ..... 16269                      **county** ..... POLK

permit G..... 12721                      prev pod id                      prev user id                      **sub div** .....

cert num .....0                      [ ] ▲                      [ ] ▲                      pod status / cs .....

pod num .....7                      [ ]                      [ ]                      pod id EM .....

status lu .....V                      [ ]                      [ ]                      test year .....

cppn ..... 0 G..... 12721 7                      [ ] ▼                      [ ] ▼                      action date .....

comments .....                      .....                      .....                      priority lu .....12/28/1994                      **Owner-Supplied Data:**

.....                      .....                      .....                      log id .....

.....                      .....                      .....                      verified year .....

.....                      .....                      .....                      last update .....1/14/2000                      **comp depth** .....

.....                      .....                      .....                      **date drilled** .....

.....                      .....                      .....                      **well name** .....

**Pump Test (Current) Owner:**

name f/i ELLEN..... HOBSON.....                      owner code .....G

contact title SECRETARY.....                      user status .....

other PERRYDALE DOMESTIC WATER ASSOC.....                      misc .....

street 9185 PERRYDALE ROAD.....                      last

city/st/zip AMITY..... OR..... 97101                      update .....2/25/2000

ph/fax/email .....5038357221.....

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W. PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK                      **status** .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	basin_num
12/28/1994	QM	9	A	V	4	C	WE.....	.....2
[ ] ▲								
[ ] ▼								

**Wris\_logid Info:**

logid .....                      **Owners Well Name** .....

Max Depth .....                      **Logid Comments** .....

stream1\_name WELL..G.....

legal desc 170 FEET NORTH & 840 FEET WEST FROM SW CORNER NENE SECTION 17.....

**Pump Test Index Data:**

pod id                      user id                      **T/R-S QQ** .....7..00S./ .....5..00W.- 17 SW.NE.

appl G..... 13929                      ..... 46101                      ..... 16269                      county .....POLK

permit G..... 12721                      prev pod id                      prev user id                      sub div .....

cert num .....0                      [ ] ▲                      [ ] ▲                      pod status / cs .....

pod num .....8                      [ ] ▲                      [ ] ▲                      pod id EM .....

status lu .....V                      [ ] ▲                      [ ] ▲                      test year .....

cppn ..... 0 G 12721 8                      [ ] ▼                      [ ] ▼                      action date .....

comments .....                      .....                      .....                      priority lu .12/28/1994                      **Owner-Supplied Data:**

.....                      .....                      .....                      log id .....

.....                      .....                      .....                      verified year .....                      comp depth .....

.....                      .....                      .....                      last update 1/14/2000.....                      date drilled .....

.....                      .....                      .....                      well name .....

**Pump Test (Current) Owner:**

name f/l ELLEN..... HOBSON.....                      owner code .....G

contact title SECRETARY.....                      user status .....

other PERRYDALE DOMESTIC WATER ASSOC.....                      misc .....

street 9185 PERRYDALE ROAD.....                      last

city/st/zip AMITY..... OR..... 97101                      update .....2/25/2000

ph/fax/email .....5038357221.....

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

.....POLK                      status .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div	units	duty / limit / other_limits	source_type	WE	basin_num
12/28/1994	QM	9	A	V	4	C				2

**Wris\_logid Info:**

logid POLK.....50228                      Owners Well Name .....

Max Depth .....                      Logid Comments .....

stream1\_name WELL\_H.....

legal desc 200 FEET SOUTH & 1030 FEET WEST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

pod id                      user id                      **T / R - S QQ** .....7..00S./ .....5..00W. - 17 SW.NE.

appl G..... 13929                      ..... 46102                      ..... 16269                      county ..... POLK

permit G..... 12721                      prev pod id                      prev user id                      sub div .....

cert num .....0                      [ ] ▲                      [ ] ▲                      pod status / cs .....

pod num .....9                      [ ] ▲                      [ ] ▲                      pod id EM .....

status lu .....V                      [ ] ▲                      [ ] ▲                      test year .....

cppn ..... 0 G 12721 9                      [ ] ▼                      [ ] ▼                      action date .....

comments .....                      .....                      .....                      priority lu 12/28/1994                      **Owner-Supplied Data:**

.....                      .....                      .....                      log id .....

.....                      .....                      .....                      verified year .....

.....                      .....                      .....                      last update 1/14/2000                      comp depth .....

.....                      .....                      .....                      well name .....

**Pump Test (Current) Owner:**

name f/i ELLEN..... HOBSON.....                      owner code .....G

contact title SECRETARY.....                      user status .....

other PERRYDALE DOMESTIC WATER ASSOC.....                      misc .....

street 9185 PERRYDALE ROAD.....                      last

city/st/zip AMITY..... OR..... 97101                      update ..... 2/25/2000

ph/fax/email ..... 5038357221.....

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK                      status .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE.....	basin_num
12/28/1994	QM	9	A	V	4	C			2

**Wris\_logid Info:**

logid POLK..... 50226                      Owners Well Name .....

Max Depth .....                      Logid Comments .....

stream1\_name WELL I.....

legal desc 600 FEET SOUTH & 1050 FEET WEST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

**pod id** ..... 46103      **user id** ..... 16269      **T/R - S QQ** ..... 7.00 S. / ..... 5.00 W. - 17 SW.NE.

**appl** G..... 13929      **county** ..... POLK

**permit** G..... 12721      **prev pod id** .....      **prev user id** .....      **sub div** .....

**cert num** ..... 0      **pod status / cs** .....

**pod num** ..... 10      **pod id EM** .....

**status lu** ..... V      **test year** .....

**cppn** ..... 0 G..... 12721 10      **action date** .....

**comments** .....      **priority lu** ..12/28/1994      **Owner-Supplied Data:**

.....      **verified year** .....

.....      **last update** 1/14/2000.....      **log id** .....

.....      **comp depth** .....

.....      **date drilled** .....

.....      **well name** .....

**Pump Test (Current) Owner:**

**name f/i** ELLEN..... HOBSON.....      **owner code** .....G

**contact title** SECRETARY.....      **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC.....      **misc** .....

**street** 9185 PERRYDALE ROAD.....      **last**

**city/st/zip** AMITY..... OR..... 97101      **update** ..... 2/25/2000

**ph/fax/email** ..... 5038357221 .....

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK      **status** .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE.....	basin_num
12/28/1994	QM	9	A	V	4	C			2
.....									
.....									

**Wris\_logid Info:**

**logid** .....      **Owners Well Name** .....

**Max Depth** .....      **Logid Comments** .....

**stream1\_name** WELL J.....

**legal desc** 110.0 FEET SOUTH & 10.60 FEET WEST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

<b>appl</b> G.....13929	<b>pod id</b> .....46104	<b>user id</b> .....16269	<b>T/R-SQQ</b> .....7.00S./ .....5.00W.- 17 SE.NE.
<b>permit</b> G.....12721	<b>prev pod id</b>	<b>prev user id</b>	<b>county</b> .....POLK
<b>cert num</b> .....0	<input type="text"/>	<input type="text"/>	<b>sub div</b> .....
<b>pod num</b> .....11	<input type="text"/>	<input type="text"/>	<b>tax lot</b> .....
<b>status lu</b> .....V	<input type="text"/>	<input type="text"/>	<b>Owner-Supplied Data:</b>
<b>cppn</b> .....0 G.....12721 11	<input type="text"/>	<input type="text"/>	<b>log id</b> .....
<b>comments</b> .....			<b>comp depth</b> .....
			<b>date drilled</b> .....
			<b>well name</b> .....
			<b>pod status / cs</b> .....
			<b>pod id EM</b> .....
			<b>test year</b> .....
			<b>action date</b> .....
			<b>priority lu</b> .....12/28/1994
			<b>verified year</b> .....
			<b>last update</b> .....1/14/2000

**Pump Test (Current) Owner:**

<b>name f/l</b> ELLEN..... HOBSON.....	<b>owner code</b> .....G
<b>contact title</b> SECRETARY.....	<b>user status</b> .....
<b>other</b> PERRYDALE DOMESTIC WATER ASSOC.....	<b>misc</b> .....
<b>street</b> 9185 PERRYDALE ROAD.....	<b>last update</b> .....2/25/2000
<b>city/st/zip</b> AMITY..... OR..... 97101	
<b>ph/fax/email</b> .....5038357221	
<b>comment</b> .....	

**WRIS Owner (from WRIS water-rights file):**

PERRYDALE DOMESTIC WATER.....
11475 W PERRYDALE RD.....
AMITY..... OR..... 97101
.....POLK <b>status</b> .....V

**WRIS pt.of.div Info:**

priority use	cat	passtatus	rate / div_units	duty / limit / other_limits	source_type	basin_num
12/28/1994	QM	9 A V	4	C	WE.....	.....2

**Wris\_logid Info:**

<b>logid</b> POLK.....50227	<b>Owners Well Name</b> .....
<b>Max Depth</b> .....	<b>Logid Comments</b> .....
<b>stream1_name</b> WELL K.....	
<b>legal desc</b> 200 FEET SOUTH & 340 FEET EAST FROM SW CORNER..... NENE..... SECTION 17.....	

**Pump Test Index Data:**

pod id                      user id                      **T/R - S QQ** .....7..00S./ .....5..00W. - 17 SE.NE.

appl G.....13929                      .....46105                      .....16269                      county .....POLK

permit G.....12721                      prev pod id                      prev user id                      sub div .....

cert num .....0                      [ ] ▲                      [ ] ▲                      pod status / cs .....

pod num .....12                      [ ] ▲                      [ ] ▲                      pod id EM .....

status lu .....V                      [ ] ▲                      [ ] ▲                      test year .....

cppn .....0 G 12721 12                      [ ] ▼                      [ ] ▼                      action date .....

comments .....                      [ ] ▼                      [ ] ▼                      priority lu ..12/28/1994                      **Owner-Supplied Data:**

.....                      .....                      .....                      log id .....

.....                      .....                      .....                      comp depth .....

.....                      .....                      .....                      verified year .....

.....                      .....                      .....                      date drilled .....

.....                      .....                      .....                      last update 1/14/2000.....                      well name .....

**Pump Test (Current) Owner:**

name f/l ELLEN..... HOBSON.....                      owner code .....G

contact title SECRETARY.....                      user status .....

other PERRYDALE DOMESTIC WATER ASSOC.....                      misc .....

street 9185 PERRYDALE ROAD.....                      last

city/st/zip AMITY..... OR..... 97101                      update .....2/25/2000

ph/fax/email .....5038357221.....

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W PERRYDALE RD.....

AMITY..... OR..... 97101

.....POLK                      status .....V

**WRIS pt.of.div Info:**

priority use   cat   passtatus                      rate / div\_units   duty / limit / other\_limits                      source\_type WE.....                      basin\_num .....2

12/28/1994 QM 9 A V                      4 C                      [ ] ▲

[ ] ▼

**Wris\_logid Info:**

logid .....                      Owners Well Name .....

Max Depth .....                      Logid Comments .....

stream1\_name WELL L.....

legal desc 200 FEET SOUTH & 880 FEET EAST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

pod id                      user id                      **T / R - S Q Q** .....7.00 S. / .....5.00 W. - 17 SE. NE.

appl G.....13929                      .....46106                      .....16269                      county .....POLK

permit G.....12721                      prev pod id                      prev user id                      sub div .....

cert num .....0                      [ ] ▲                      [ ] ▲                      pod status / cs .....

pod num .....13                      [ ] ▲                      [ ] ▲                      pod id EM .....

status lu .....V                      [ ] ▲                      [ ] ▲                      test year .....

cpn .....0 G.....12721 13                      [ ] ▼                      [ ] ▼                      action date .....

comments .....                      [ ] ▼                      [ ] ▼                      priority lu .....12/28/1994                      Owner-Supplied Data:

.....                      .....                      .....                      log id .....

.....                      .....                      .....                      comp depth .....

.....                      .....                      .....                      verified year .....

.....                      .....                      .....                      date drilled .....

.....                      .....                      .....                      last update 1/14/2000.....                      well name .....

**Pump Test (Current) Owner:**

name f/i ELLEN..... HOBSON.....                      owner code .....G

contact title SECRETARY.....                      user status .....

other PERRYDALE DOMESTIC WATER ASSOC.....                      misc .....

street 9185 PERRYDALE ROAD.....                      last

city/st/zip AMITY..... OR..... 97101                      update .....2/25/2000

ph/fax/email .....5038357221.....

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W. PERRYDALE RD.....

AMITY..... OR..... 97101

.....POLK                      status .....V

**WRIS pt.of.div Info:**

priority	use	cat	passtatus	rate / div_units	duty / limit / other_limits	source_type	WE.....	basin_num	.....2
12/28/1994	QM	9	A V	4	C				

**Wris\_logid Info:**

logid .....                      Owners Well Name .....

Max Depth .....                      Logid Comments .....

stream1\_name WELL M.....

legal desc 400 FEET SOUTH & 114 EAST FROM SW CORNER, NENE, SECTION 17.....

**Pump Test Index Data:**

pod id ..... 46107 ..... user id ..... 16269 ..... **T/R - S QQ** ..... 7..00S./ ..... 5..00W. - 17 SE.NE.

appl G..... 13929 ..... county ..... POLK

permit G..... 12721 ..... prev pod id ..... prev user id ..... sub div .....

cert num ..... 0 ..... pod status / cs .....

pod num ..... 14 ..... pod id EM .....

status lu ..... V ..... test year .....

cppn ..... 0 G..... 12721 14 ..... action date .....

comments ..... priority lu ..... 12/28/1994 ..... **Owner-Supplied Data:**

..... verified year ..... log id .....

..... last update ..... 1/14/2000 ..... comp depth .....

..... well name .....

**Pump Test (Current) Owner:**

name f/l ELLEN..... HOBSON..... owner code .....G

contact title SECRETARY..... user status .....

other PERRYDALE DOMESTIC WATER ASSOC..... misc .....

street 9185 PERRYDALE ROAD..... last

city/st/zip AMITY..... OR..... 97101 update ..... 2/25/2000

ph/fax/email ..... 5038357221

comment .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W. PERRYDALE RD.....

AMITY..... OR..... 97101

..... POLK status ..... V

**WRIS pt.of.div Info:**

priority use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	WE	basin_num
12/28/1994	QM	9	A	V	4 C			2

**Wris\_logid Info:**

logid ..... Owners Well Name .....

Max Depth ..... Logid Comments .....

stream1\_name WELL N.....

legal desc 100 FEET NORTH & 680 FEET EAST FROM NE CORNER, NESE, SECTION 17.....

**Pump Test Index Data:**

<b>appl</b> G.....13929		<b>pod id</b> .....46108	<b>user id</b> .....16269	<b>T/R - S QQ</b> .....7.00S. / .....5.00W. - 17 NE. SE.	
<b>permit</b> G.....12721		<b>prev pod id</b>	<b>prev user id</b>	<b>county</b> .....POLK	<b>sub div</b> .....
<b>cert num</b> .....0				<b>tax lot</b> .....	
<b>pod num</b> .....15					
<b>status lu</b> .....V					
<b>cppn</b> .....0 G.....12721 15				<b>pod status / cs</b> .....	<b>Owner-Supplied Data:</b>
<b>comments</b> .....				<b>pod id EM</b> .....	<b>log id</b> .....
				<b>test year</b> .....	<b>comp depth</b> .....
				<b>action date</b> .....	<b>date drilled</b> .....
				<b>priority lu</b> ..12/28/1994	<b>well name</b> .....
				<b>verified year</b> .....	
				<b>last update</b> ..1/14/2000	

**Pump Test (Current) Owner:**

<b>name f/i</b> ELLEN..... HOBSON.....	<b>owner code</b> .....G
<b>contact title</b> SECRETARY.....	<b>user status</b> .....
<b>other</b> PERRYDALE DOMESTIC WATER ASSOC.....	<b>misc</b> .....
<b>street</b> 9185 PERRYDALE ROAD.....	<b>last update</b> .....2/25/2000
<b>city/st/zip</b> AMITY..... OR..... 97101	
<b>ph/fax/email</b> .....5038357221	
<b>comment</b> .....	

**WRIS Owner (from WRIS water-rights file):**

PERRYDALE DOMESTIC WATER.....
11475 W. PERRYDALE RD.....
AMITY..... OR..... 97101
.....POLK <b>status</b> .....V

**WRIS pt.of.div Info:**

<b>priority use</b> 12/28/1994 QM	<b>cat</b> 9	<b>passtatus</b> A V	<b>rate / div_units</b> 4 C	<b>duty / limit / other_limits</b>	<b>source_type</b> WE.....	<b>basin_num</b> .....2
.....						
.....						

**Wris\_logid Info:**

<b>logid</b> .....	<b>Owners Well Name</b> .....
<b>Max Depth</b> .....	<b>Logid Comments</b> .....
<b>stream1_name</b> WELL O.....	
<b>legal desc</b> 110 FEET SOUTH & 600 FEET EAST FROM NE CORNER, NESE, SECTION 17.....	

**Pump Test Index Data:**

<b>appl</b> G.....13929	<b>pod id</b> .....46109	<b>user id</b> .....16269	<b>T/R - S QQ</b> .....7.00S. / .....5.00W. - 17 NE. SE.
<b>permit</b> G.....12721	<b>prev pod id</b>	<b>prev user id</b>	<b>county</b> .....POLK
<b>cert num</b> .....0	<input type="text"/>	<input type="text"/>	<b>sub div</b> .....
<b>pod num</b> .....16	<input type="text"/>	<input type="text"/>	<b>tax lot</b> .....
<b>status lu</b> .....V	<input type="text"/>	<input type="text"/>	<b>Owner-Supplied Data:</b>
<b>cppn</b> .....0 G.....12721 16	<input type="text"/>	<input type="text"/>	<b>log id</b> .....
<b>comments</b> .....			<b>comp depth</b> .....
			<b>date drilled</b> .....
			<b>well name</b> .....
			<b>pod status / cs</b> .....
			<b>pod id EM</b> .....
			<b>test year</b> .....
			<b>action date</b> .....
			<b>priority lu</b> 12/28/1994
			<b>verified year</b> .....
			<b>last update</b> 1/14/2000

**Pump Test (Current) Owner:**

<b>name f/l</b> ELLEN..... HOBSON.....	<b>owner code</b> .....G
<b>contact title</b> SECRETARY.....	<b>user status</b> .....
<b>other</b> PERRYDALE DOMESTIC WATER ASSOC.....	<b>misc</b> .....
<b>street</b> 9185 PERRYDALE ROAD.....	<b>last update</b> .....2/25/2000
<b>city/st/zip</b> AMITY..... OR..... 97101	
<b>ph/fax/email</b> .....5038357221	
<b>comment</b> .....	

**WRIS Owner (from WRIS water-rights file):**

PERRYDALE DOMESTIC WATER.....
11475 W. PERRYDALE RD.....
AMITY..... OR..... 97101
.....POLK <b>status</b> .....V

**WRIS pt.of.div Info:**

priority use	cat	passtatus	rate / div_units	duty / limit / other_limits	source_type	basin_num
12/28/1994	QM	9 A V	4	C	WE.....	.....2

**Wris\_logid Info:**

<b>logid</b> .....	<b>Owners Well Name</b> .....
<b>Max Depth</b> .....	<b>Logid Comments</b> .....
<b>stream1_name</b> WELL P.....	
<b>legal desc</b> 210 FEET SOUTH & 100 FEET EAST FROM NE CORNER, NESE, SECTION 17.....	

**Pump Test Index Data:**

**appl** G.....13929      **pod id** .....46110      **user id** .....16269      **T/R-S QQ** .....7..00S./ .....5..00W. - 17 NW. SE..

**permit** G.....12721      **prev pod id**      **prev user id**      **county** .....POLK

**cert num** .....0      **pod status / cs** .....      **sub div** .....

**pod num** .....17      **pod id EM** .....      **tax lot** .....

**status lu** .....V      **test year** .....      **Owner-Supplied Data:**

**cppn** .....0.G 12721 17      **action date** .....      **log id** .....

**comments** .....      **priority lu** .12/28/1994      **comp depth** .....

.....      **verified year** .....      **date drilled** .....

.....      **last update** 1/14/2000.....      **well name** .....

**Pump Test (Current) Owner:**

**name f/i** ELLEN..... HOBSON.....      **owner code** .....G

**contact title** SECRETARY.....      **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC.....      **misc** .....

**street** 9185 PERRYDALE ROAD.....      **last**

**city/st/zip** AMITY..... OR..... 97101      **update** .....2/25/2000

**ph/fax/email** .....5038357221

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER.....

11475 W. PERRYDALE RD.....

AMITY..... OR..... 97101

.....POLK      **status** .....V

**WRIS pt.of.div Info:**

priority	use	cat	pas	status	rate / div_units	duty / limit / other_limits	source_type	basin_num
12/28/1994	QM	9	A	V	4	C	WE.....	2

**Wris\_logid Info:**

**logid** .....      **Owners Well Name** .....

**Max Depth** .....      **Logid Comments** .....

**stream1\_name** WELL\_Q.....

**legal desc** 170 FEET SOUTH & 170 FEET WEST FROM NE CORNER, NESE, SECTION 17.....

**Pump Test Index Data:**

**pod id** ..... 46111      **user id** ..... 16269      **T/R - S QQ** ..... 7.00S. / ..... 5.00W. - 17 NW. SE.

**appl** G ..... 13929      **county** ..... POLK

**permit** G ..... 12721      **prev pod id** .....      **prev user id** .....      **sub div** .....

**cert num** ..... 0      **pod status / cs** .....

**pod num** ..... 18      **pod id EM** .....

**status lu** ..... V      **test year** .....

**cppn** ..... 0 G 12721 18      **action date** .....

**comments** .....      **priority lu** 12/28/1994      **Owner-Supplied Data:**

.....      **verified year** .....      **log id** .....

.....      **last update** 1/14/2000      **comp depth** .....

.....      **well name** .....

**Pump Test (Current) Owner:**

**name f/i** ELLEN ..... HOBSON .....      **owner code** ..... G

**contact title** SECRETARY .....      **user status** .....

**other** PERRYDALE DOMESTIC WATER ASSOC .....      **misc** .....

**street** 9185 PERRYDALE ROAD .....      **last** .....

**city/st/zip** AMITY ..... OR ..... 97101      **update** ..... 2/25/2000

**ph/fax/email** ..... 5038357221 .....

**comment** .....

**WRIS Owner (from WRIS water-rights file):**

.....

PERRYDALE DOMESTIC WATER .....

11475 W. PERRYDALE RD .....

AMITY ..... OR ..... 97101

..... POLK      **status** ..... V

**WRIS pt.of.div Info:**

priority	use	cat	passtatus	rate / div_units	duty / limit / other_limits	source_type	WE	basin_num
12/28/1994	QM	9	A V	4	C			2

**Wris\_logid Info:**

**logid** .....      **Owners Well Name** .....

**Max Depth** .....      **Logid Comments** .....

**stream1\_name** WELL R .....

**legal desc** 90 FEET SOUTH & 950 FEET WEST FROM NE CORNER, NESE, SECTION 17 .....



# Oregon

Kate Brown, Governor

## Water Resources Department

North Mall Office Building

725 Summer St NE, Suite A

Salem, OR 97301

Phone (503) 986-0900

Fax (503) 986-0904

[www.wrd.state.or.us](http://www.wrd.state.or.us)

**CERTIFIED MAIL:  
7018 0360 0000 1345 5221**

February 26, 2020

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W. PERRYDALE RD  
AMITY, OR 97101

REFERENCE: Application G-13929; Permit G-12721

Dear Permit Holder:

This letter is in regard to your water right permit referenced above. Your permit required completion of development of the water use under this permit by October 1, 1999.

On October 1, 1999, the Association submitted an Application for Extension of Time, requesting until October 1, 2060, to complete development of the water use under the permit. Additional information was provided to complete the Application on April 14, 2000.

Due to concerns regarding declining static water levels in the Reimer Road Well Field, the Department and the Association entered into an agreement to delay processing of the Application to allow time for the static water levels to be monitored.

On October 13, 2014, the Department issued a letter to the Association requesting a new Extension of time Application. In response, the Department was contacted in February 2015 by Jeanne Boatwright, indicating that an update to the 1999 Application would be submitted. The Department has not yet received the updated Application.

By this letter, the Department is requesting that an updated Application for Extension of Time be submitted to the Department by no later than April 27, 2020, or the Department will return the Application and fees (\$100) submitted on October 1, 1999. If the Application is returned, and the Association wishes to pursue additional development beyond what was developed by October 1, 1999, the Association will need to submit a new Application for Extension of time along with the current fee of \$670. Gaining approval of an Application for Extension of Time is critical to the Associations ability to claim any additional development under the permit that occurred after October 1, 1999. Without an Extended completion date, or submittal of a Claim of Beneficial Use, the Department may pursue cancelation of Permit G-12721.



If you have any questions or concerns, please do not hesitate to contact Jeffrey Pierceall, at 503-986-0802.

Sincerely,

A handwritten signature in black ink, appearing to read "Dwight French". The signature is fluid and cursive, with the first name "Dwight" being more prominent than the last name "French".

Dwight French  
Water Right Services Division  
Oregon Water Resources Department

cc: Boatwright Engineering, Inc.  
2613 12<sup>th</sup> St.  
Salem, OR 97302

PERMIT STATUS REVIEW BY Corey Courchane DATE 10-14-16 FILE # G-13929

1. Per Dwight French, **do not** send "C" DATE NOTICE PACKET if : update appropriate db

       Extension pending              

       Assignment is pending              

       Cancellation has been requested              

       Dept. has already sent a certified 60-Day Compliance letter (date       , #       )

Was **60 days notice** allowed? Y N If No, How Much Time ?       

Was mail deliverable as addressed? Y N date       

If mail returned, online/www check ? Y N date        successful ? Y N

Re-send Cert. Letter ? Y N date       

Send cancellation order Y N

       Claim of beneficial use and final proof map (COBU) have been received by Department  
Date information received              

2. IF NONE OF THE ABOVE APPLY

       Send **certified** "C" date notice packet to permit holder.

"C" DATE October 1, 1999 BASIN NUMBER 2 WM # 116

CWRE or AGENT       

3. AOI Yes        NO        If Yes, name of AOI

No Letter

- Hold Action

Working with Jeanne Boatwright  
to submit an Extension of  
Time

- Just hired new manager

## PIERCEALL Jeffrey D \* WRD

---

**From:** REECE Ann L \* WRD  
**Sent:** Thursday, January 16, 2014 9:02 AM  
**To:** MCCORD Mike L \* WRD  
**Subject:** RE: Perrydale PSI

**SentFromSession:** REESE.reeceal.1/16/2014 8:28:58 AM

Mike,

Good news?! They won't have extension fish persistence conditions. That statute only applies to the FIRST extension issued after June 29, 2005 for Muni water use permits issued BEFORE Nov. 2, 1998. The thinking was that permits issued after Nov 2, 1998 have a more stringent resource review process, so only those on permits issued prior to Nov 2 1998 would be subject to a FP review.

Now maybe some mitigation might help them get an approval on a new water right? Out of my area of expertise 😊

Ann

---

**From:** Mike Mccord  
**Sent:** Thursday, January 16, 2014 8:24 AM  
**To:** Ann Reece  
**Subject:** FW: Perrydale PSI

Good morning Ann, this is more of a heads up for down the road. In a nutshell, Perrydale Water is going to file for a new right on a well with PSI to the Willamette. They do not want the fish conditions on any future extensions. To prevent the conditions, they are proposing to purchase and transfer some SW rights way upstream from their POA as a form of mitigation against getting the fish persistence conditions. More to come I'm sure. It seems like quite an undertaking on their part but I guess they really do not want those conditions. On the Willamette? Go figure.

---

**From:** Danette Faucera [<mailto:danette.l.faucera@state.or.us>]  
**Sent:** Wednesday, January 15, 2014 3:02 PM  
**To:** [jeanne@boatwrightengr.com](mailto:jeanne@boatwrightengr.com)  
**Cc:** FARRAND Alex; KELLEY Elise X; MCCORD Mike L  
**Subject:** RE: Perrydale PSI

Hi Jeanne,

Mike has been very diligent in seeking our recommendation for your clients. I do not have all of the details worked out yet, but the Oregon Department of Fish and Wildlife does view the addition of a permanent instream water right for approximately 3 cfs in the South Santiam River as favorable mitigation for the proposed groundwater right of approximately 1.5-2 cfs near Lincoln. The benefits to the habitat and species in the South Santiam River outweigh any potential impacts to the habitat and species in the Willamette River. Should your clients choose to pursue the

groundwater permit, ODFW will provide specific language during the Division 33 review pertaining to this mitigation in lieu of recommending that the groundwater right be regulated for fish persistence flows in the Willamette River.

Please let me know if you or any Board members have any further questions at this time.

*Danette*

Danette Faucera  
Water Policy Coordinator  
Oregon Department of Fish and Wildlife  
(503) 947-6092  
**\*\*NOTE NEW ADDRESS\*\***  
4034 Fairview Industrial Drive SE  
Salem, OR 97302

---

**From:** [jeanne@boatwrightengr.com](mailto:jeanne@boatwrightengr.com) [<mailto:jeanne@boatwrightengr.com>]  
**Sent:** Wednesday, January 15, 2014 10:09 AM  
**To:** Danette Faucera  
**Cc:** MCCORD Mike L  
**Subject:** Fw: Perrydale PSI

Good Morning Danette,

Mike McCord has been sharing your email conversation with me on the progress of this discussion. I have a board meeting this evening at Perrydale and was wondering if I can report anything to the board on the proposed placement of a permanent instream right to serve as mitigation for the permit on the alluvial well hydraulically connected to the Willamette River in the Lincoln area of Polk County. It appears that your last correspondence was in late November.

Any information you can provide would be appreciated.

Jeanne

*Boatwright Engineering, Inc.*  
2613 12th Street SE

*Salem, Oregon 97302*

*ph: 503-363-9225*

*FAX: 503-363-1051*

**PIERCEALL Jeffrey D \* WRD**

---

**From:** REECE Ann L \* WRD  
**Sent:** Friday, October 14, 2016 1:23 PM  
**To:** COURCHANE Corey A \* WRD  
**Subject:** FW: Perrydale Domestic Water Association

**SentFromSession:** REESE.reeceal.10/29/2014 8:31:37 AM

Ann

---

**From:** REECE Ann L  
**Sent:** Wednesday, October 29, 2014 11:22 AM  
**To:** 'jeanne@boatwrightengr.com'  
**Subject:** RE: Perrydale Domestic Water Association

Thanks for the context Jeanne.

Best Regards,

Ann Reece

-----  
Water Right Services Division  
Hydroelectric Analyst / Municipal Extension Specialist  
Oregon Water Resources Department  
725 Summer St. NE Suite A  
Salem, OR 97301  
503-986-0834  
[reeceal@ wrd.state.or.us](mailto:reeceal@ wrd.state.or.us)

---

**From:** [jeanne@boatwrightengr.com](mailto:jeanne@boatwrightengr.com) [<mailto:jeanne@boatwrightengr.com>]  
**Sent:** Tuesday, October 28, 2014 4:49 PM  
**To:** REECE Ann L  
**Subject:** Re: Perrydale Domestic Water Association

Ann,

I think that a lot of the holdup was on the groundwater monitoring program. I know your GW staff used to always come out at the March measurement along with Corbey and the Perrydale folks. (It was a group measurement!) But, I don't think that happens anymore (Corbey is out right now so I can't ask him) and I

believe the controversy has settled down quite a bit. There were concerns about mining the basalt aquifer, but a few wet years proved that wasn't happening and it was recharging faster than GW thought it would. Some of the local homeowners, who originally complained, have since been put on Perrydale's system since they had such poor wells. Just some background that might help you.

Jeanne

*Boatwright Engineering, Inc.  
2613 12th Street SE  
Salem, Oregon 97302  
ph: 503-363-9225  
FAX: 503-363-1051*

**From:** REECE Ann L  
**Sent:** Tuesday, October 28, 2014 4:31 PM  
**To:** <mailto:jeanne@boatwrightengr.com>  
**Cc:** FRENCH Dwight W ; SAUTER Jerry K  
**Subject:** Perrydale Domestic Water Association

Jeanne,

I looked through this file, and it does appear that an extension has been pending since 1999, and that there were comments in opposition to the application. I will try to put together some chronological history based on documents in the file to see where things are at. I will probably need to discuss this one with Dwight before determining how to move forward. I will try to get back to you by the end of next week.

Best Regards,

Ann Reece

-----  
Water Right Services Division

Hydroelectric Analyst / Municipal Extension Specialist  
Oregon Water Resources Department  
725 Summer St. NE Suite A  
Salem, OR 97301  
503-986-0834  
[annreece@wrd.state.or.us](mailto:annreece@wrd.state.or.us)



# Oregon

John A. Kitzhaber, MD, Governor

## Water Resources Department

North Mall Office Building  
725 Summer St NE, Suite A  
Salem, OR 97301  
Phone (503) 986-0900  
Fax (503) 986-0904  
www.wrd.state.or.us

October 13, 2014

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY OR 97101

Reference: Application G-13929, Permit G-12721

Dear Permit Holder:

This letter is in regard to your water use permit referenced above. The Department would like to help you succeed in completing the development of your water use permit. Your permit required you to complete the development of your water use by 10/1/1999.

If you have not yet finished the development of your water use permit (water system construction and beneficial water use) you need to file an application for an extension of time. The Department's approval of an extension of time request provides more time to complete permit development. The current fee for filing an extension of time is \$575.00. Please see the enclosed 'Resource Sheet' to access the extension of time form.

If you have completed development of the water use permit, *within the development timelines in the permit or previous extension of time*, you may be ready to seek a water right certificate. A certificate is the final stage in the water right development process and provides the highest level of certainty and protection for your water rights. To obtain a water right certificate you are required to hire a certified water rights examiner (CWRE) to prepare and submit a claim of beneficial use that includes a final proof survey map of the water right development. The fee for submitting a claim of beneficial use is \$175.00. Please see the enclosed 'Resource Sheet' for our current database of CWRE's.

If you no longer want the water use permit you may voluntarily cancel it, which will help the Department maintain accurate records. Please see the enclosed 'Resource Sheet' to access the cancellation form, if you are interested in this option.

I encourage you to either: (1) file for an extension of time; (2) work with a CWRE to develop and submit a claim of beneficial use; (3) voluntarily cancel the permit; or (4) contact our office in the next 90 days to discuss your plans and a schedule for progress. If you decide to take none of these four actions within 90 days of this letter, the Department may begin the process of cancelling the permit for you in accordance with the provisions of ORS 537.260 and ORS 174.160.

I have included contact information for my staff on the back of this letter so we may assist you efficiently. Should you have any questions, you may contact me directly at the address above or by telephone at 503-986-0819.

Sincerely,

Dwight French  
Water Right Services Division Administrator  
Oregon Water Resources Department

Enclosures (1)

cc: File G-13929  
OWRD Watermaster 16



Contact information for WRD staff

**Claims of Beneficial Use**

Gerry Clark: 503-986-0811

**Permit Extensions**

Municipal: Ann Reece 503-986-0834

Quasi-Municipal: Steven Parrett 503-986-0825

**Permit Cancellations**

Jerry Sauter: 503-986-0817

**NOTE: For water rights information and useful forms, please see our web site at [www.oregon.gov/OWRD](http://www.oregon.gov/OWRD)**

12-15-14

contacted Bestwright Eng.

Team

Suggesting Perrydale  
with draw application  
and then resubmit  
with updated information

Feb 2015

Team Bestwright will  
send in updated 1999  
application soon

Machelle Bamberg

NO  
fee  
needed



# Oregon

Kate Brown, Governor

## Water Resources Department

North Mall Office Building

725 Summer St NE, Ste A

Salem, OR 97301

Phone: 503-986-0900

Fax: 503-986-0904

[www.Oregon.gov/OWRD](http://www.Oregon.gov/OWRD)

February 27, 2020

PERRYDALE DOMESTIC WATER ASSOCIATION

ATTN:

11475 W. PERRYDALE RD

AMITY, OR 97101

REFERENCE: Application G-13929; Permit G-12721

Dear Permit Holder:

This letter is in regard to your water right permit referenced above. Your permit required completion of development of the water use under this permit by October 1, 1999.

On October 1, 1999, the Association submitted an Application for Extension of Time, requesting until October 1, 2060, to complete development of the water use under the permit. Additional information was provided to complete the Application on April 14, 2000.

Due to concerns regarding declining static water levels in the Reimer Road Well Field, the Department and the Association entered into an agreement to delay processing of the Application to allow time for the static water levels to be monitored.

On October 13, 2014, the Department issued a letter to the Association requesting a new Extension of time Application. In response, the Department was contacted in February 2015 by Jeanne Boatwright, indicating that an update to the 1999 Application would be submitted. The Department has not yet received the updated Application.

By this letter, the Department is requesting that an updated Application for Extension of Time be submitted to the Department by no later than April 27, 2020, or the Department will return the Application and fees (\$100) submitted on October 1, 1999. If the Application is returned, and the Association wishes to pursue additional development beyond what was developed by October 1, 1999, the Association will need to submit a new Application for Extension of time along with the current fee of \$670. Gaining approval of an Application for Extension of Time is critical to the Associations ability to claim any additional development under the permit that occurred after October 1, 1999. Without an Extended completion date, or submittal of a Claim of Beneficial Use, the Department may pursue cancelation of Permit G-12721.



If you have any questions or concerns, please do not hesitate to contact Jeffrey Pierceall, at 503-986-0802.

Sincerely,

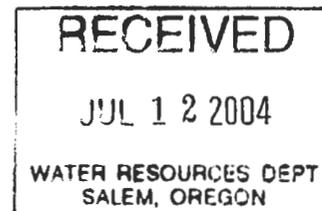
Dwight French  
Water Right Services Division  
Oregon Water Resources Department

Lisa

Copies to:  
Jennett  
Woodcock  
French  
Susman

**Perrydale Domestic Water Association**  
11475 West Perrydale Rd., Amity, OR 97101, phone (503) 835-7221

July 9, 2004



Mr. Phil Ward, Acting Director  
Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem, Oregon 97301-1271

RE: Application for Time Extension  
Application G-13929, Permit G 12721 (Reimer Road Well Field)

Dear Acting Director Ward:

This letter follows up on my prior correspondence to Deputy Director Reeves dated November 14, 2001, and our recent meeting concerning static water levels and weather monitoring with regard to the Perrydale Domestic Water Association's ("Perrydale(s)") Reimer Road well field, and Ground Water Permit No. G12721.

As you are aware, on October 1, 1999, Perrydale filed a timely Application for Time Extension for Permit G 12721. Department staff and Perrydale had previously agreed to conduct several additional years of well monitoring before determining the nature and extent of any extension to be approved by the Department.

Perrydale is encouraged by the annual well recoveries noted since 2001, and is submitting this letter as a follow-up to our recent meeting and to propose further investigation of the nature and extent of the Reimer Road resource as follows:

1. By conducting a six-year cooperative monitoring study of the static water levels in volcanic basalt deposits lying westerly of Perrydale's Reimer Road well field, in Sections 6,7,18, 19, and 30 of T7S R5W, and Sections 7 through 30 of T7S R6W of the Willamette Meridian. The study would consist of remote monitoring sites and include at least five existing or newly drilled wells with depths encompassing the 200 to 400 foot levels of elevation above sea level, with quarterly monitoring of static water levels on or about December 31st, March 30<sup>th</sup>, June 30<sup>th</sup> and September 30<sup>th</sup>. Monitoring locations would be approved in advance by the Hydrology Section of the Department. Readings at the five Reimer Road production wells would be taken on the same days. Readings would be made by certified water rights examiners,

Perrydale staff approved by the Department, or mechanical and electronic means on monitoring equipment left in place on selected wells. A time line for the study would be as follows:

2004	Locate and obtain approval on five monitoring wells, and drill wells if necessary. Obtain written monitoring agreements.
2005	Commence readings on quarterly basis at 5 wells
2010	Compile data on five year water level study.
2011	Prepare draft conditions for Extension of Time order consistent with data from five-year water study.

Out of pocket costs for the study would be paid by Perrydale. The Department would donate staff time on an "as available" basis.

2. During the six year study period, Perrydale would further test the Reimer Road well field capacity by stepped increases in water production. Increased production would be limited to three two year periods with specified production limits during those periods as follows:

2005-2006	maximum production limited to 57,000,000 gallons
2007-2008	maximum production limited to 72,000,000 gallons
2009-2010	maximum production limited to 87,000,000 gallons

Recovery during the six-year study period would continue to comply with existing permit conditions.

3. During the study period, production wells at the Reimer Road well field would not be permitted to be pumped at static water levels below 275 feet above sea level without Department concurrence. No further production wells would be drilled at Reimer Road by Perrydale during the study period.
4. Perrydale would continue to collect rainfall data for the North Dallas area and compare it with well static water level recovery trends observed.
5. During the study period Perrydale would undertake and complete a coordinated Health Division/OWRD Master Plan update to coordinate long term population projections, conservation planning, regional water system participation, operational considerations, and anticipated future permit utilization projections.
6. At the conclusion of the study period Department staff would work with Perrydale to develop appropriate terms and provisions for inclusion into a draft Order for an Extension of Time to be published for public comment in accordance with the appropriate procedures of the department.

I look forward to a follow-up meeting in the near future when, and where, we can discuss this proposed program as a basis for moving forward on Perrydale's pending Application for Extension of Time in a deliberate and constructive manner.

Very Truly Yours,

A handwritten signature in cursive script, appearing to read "Ray".

Ray Hobson, President  
Perrydale Domestic Water Association

Perry Dale Domestic Water Association

Use of Water: Quasi-Municipal

Source: 18 wells in Willamette River Basin

Amount: 4.0 CFS

Permit Conditions:

- a. meter before use
- b. water usage reports
- c. Plan to monitor and report the impact of water use on water levels within the aquifer within 1 yrs of the date permit is issued, submitted to the Department. At a minimum plan shall include a program to periodically measure static water levels within the permitted wells, plan shall stipulate a reference water level against which any water-level declines will be compared.
- d. Water level decline condition
- e. If substantial interference with a senior water right occurs due to withdrawal of water from any well then use shall be discontinued, or reduced and or schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference.
- f. Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations.
- g. General standard well construction

Work Flow Application G-13929	Date	Comment
Application received	12/28/1994	
IR Checklist completed	1/24/1996	
Initial Review	1/25/1996	
Public Notice	2/13/1996	no comments received
Ground Water Review Supercedes 4/29/96 review	6/17/1996	
Exclusive easement agreement Fowler	6/10/1996	
PFO		
Permit Issued	8/28/1996	
A Date	8/28/1997	
B Date	10/1/1998	
C date	10/1/1999	
Extension Received	2/16/1999	
Extension PFO 315 Issued	5/4/1999	
Extension FO Issued	8/13/1999	
Extended Completion Date	10/1/1999	
extension received <i>still pending after comments</i>	10/1/1999	requested extension to 2060
received Monitoring plan	1/26/2000	
Water level measurement plan approved	2/4/2000	
ran public notice in Polk County Observer for 3 weeks	?	
agreement between Department and PDWA issuing PFO after April 2001	11/8/2000	
agreement to defer any further well drilling until after June 30,2001	11/14/2000	
agreement to limit withdrawal from all Reimer Road well to 41,696,680 gallons per year	12/20/2001	
agreement to defer any further well drilling until after June 10/1/2003	12/20/2001	
PDWA proposes 6 yr study/monitoring study of Reimer Road wells / proposed to drill 5 monitoring wells/prepare	7/9/2001	
Agreement PDWA and Kozisek to mitigate interference	11/22/2007	

**Application G-13929 Outside Commenters**

Date	Name	Address		Comments	Other
3/29/1995	Schneider Drilling Company Attention Steve	2188 River Road NE	Salem, OR 97137	request copy of technical review of the application	
1/30/1996	John Schoon House of Representatives			requested status of permit	3/21/1996 Department sent letter explaining
6/9/1999	William D. Hook	2401 Reimer Road	Dallas, OR 97338	letter to Polk County copy sent to the Dpartment comment was concern water supply being	
1/24/2000	Carla J Cudmore	14860 Orchard Knob Road	Dallas, OR 97338	concern 1) public notice not followed, 2) inadequate geological study of the aquifer, 3) no baseline water levels and recharge rates. Requested copy of extension PFO.	
6/7/2000	Carla J Cudmore	14860 Orchard Knob Road	Dallas, OR 97338	Request to deny externsion, notification issue, monitoring plan inadequate and not protecting senior water tights, and PDWA	
6/7/2000	John Elegant	15015 Orchard Knob Road	Dallas, OR 97338	engaging in activity not allowed by	

**Application G-13929 Static water level and water usage records**

Date	well Id	permit well ID	Well Log #	type of measurement
4/11/2001	R 1	I	POLK 50226	Static water level
4/11/2001	R 9	O	POLK 51170	Static water level
4/11/2001	R 4	C	POLK 50365	Static water level
4/11/2001	R 3	K	POLK 50227	Static water level
11/6/2008	R 6	R	POLK 51165	water usage
11/6/2008	R 7	Q	POLK 51208	water usage
11/6/2008	R 9	O	POLK 51170	water usage
4/26/2002	R 4	C	POLK 50365	Static water level
4/26/2002	R 1	I	POLK 50226	Static water level
4/26/2002	R 3	K	POLK 50227	Static water level
4/26/2002	R 9	O	POLK 51170	Static water level
4/17/2003	R 1	I	POLK 50226	Static water level
4/17/2003	R 3	K	POLK 50227	Static water level
4/17/2003	R 4	C	POLK 50365	Static water level
4/17/2003	R 6	R	POLK 51165	Static water level
4/17/2003	R 7	Q	POLK 51208	Static water level
4/17/2003	R 9	O	POLK 51170	Static water level
10/19/1998	4			water usage
10/19/1998	2A			water usage
10/19/1998		A		water usage
10/19/1998		B		water usage
10/19/1998		C	POLK 50365	water usage
10/19/1998		D		water usage
10/19/1998		E		water usage
10/19/1998		F		water usage
10/19/1998		G		water usage
10/19/1998		H	POLK 50228	water usage
10/19/1998		I	POLK 50226	water usage
10/19/1998		J		water usage
10/19/1998		K	POLK 50227	water usage
10/19/1998		L		water usage
10/19/1998		M		water usage
10/19/1998		N		water usage
10/19/1998		O	POLK 51170	water usage
10/19/1998		P		water usage
10/19/1998		Q	POLK 51208	water usage
10/19/1998		R	POLK 51165	water usage
10/30/2000	Well 4			water usage
10/30/2000	well 2A			water usage
10/30/2000		A		water usage
10/30/2000		B		water usage
10/30/2000		C	POLK 50365	water usage
10/30/2000		D		water usage
10/30/2000		E		water usage
10/30/2000		F		water usage

10/30/2000		G		water usage
10/30/2000		H	POLK 50228	water usage
10/30/2000		I	POLK 50226	water usage
10/30/2000		J		water usage
10/30/2000		K	POLK 50227	water usage
10/30/2000		L		water usage
10/30/2000		M		water usage
10/30/2000		N		water usage
10/30/2000		O	POLK 51170	water usage
10/30/2000		P		water usage
10/30/2000		Q	POLK 51208	water usage
10/30/2000		R	POLK 51165	water usage
12/16/1994	Well 1			water usage
12/16/1994	Well 3			water usage
12/16/1994	Well 4			water usage
10/1/1999	2			water usage
10/1/1999	4			water usage
10/1/1999	R 1			water usage
10/1/1999	R 3			water usage
10/1/1999	R			water usage
10/1/1999	4			water usage
1/26/2000	2			Initial Static water level
1/26/2000	4			Initial Static water level
1/26/2000	R 1			Initial Static water level
1/26/2000	R 3			Initial Static water level
1/26/2000	R			Initial Static water level
1/26/2000	4			Initial Static water level
2004-2005	2			water usage
2004-2005	4			water usage
2004-2005	R 1			water usage
2004-2005	R 3			water usage
2004-2005	R			water usage
2004-2005	4			water usage
2004-2005	R 9			water usage
2004-2005	R 7			water usage
2004-2005	R			water usage
2004-2005	6			water usage
Mar-06	R 1			Static water level
Mar-06	R 7			Static water level
Mar-06	R 6			Static water level
Mar-06	R 3			Static water level
Mar-06	R 4			Static water level
Mar-06	R 9			Static water level
2005-2006	well 2A			water usage
2005-2006	Well 4			water usage
2005-2006	R 1			water usage
2005-2006	R 4			water usage

2005-2006	R 9			water usage
2005-2006	R 7			water usage
2005-2006	R 6			water usage
2007-2008	well 2A			water usage
2007-2008	Well 4			water usage
2007-2008	R 1			water usage
2007-2008	R 4			water usage
2007-2008	R 9			water usage
2007-2008	R 7			water usage
2007-2008	R 6			water usage
2003-2004	well 2A			water usage
2003-2004	Well 4			water usage
2003-2004	R 1			water usage
2003-2004	R 4			water usage
2003-2004	R 9			water usage
2003-2004	R 7			water usage
2003-2004	R 6			water usage
2002-2003	well 2A			water usage
2002-2003	Well 4			water usage
2002-2003	R 1			water usage
2002-2003	R 4			water usage
2002-2003	R 9			water usage
2002-2003	R 7			water usage
2002-2003	R 6			water usage
2001-2002	well 2A			water usage
2001-2002	Well 4			water usage
2001-2002	R 1			water usage
2001-2002	R 4			water usage
2001-2002	R 9			water usage
2001-2002	R 7			water usage
2001-2002	R 6			water usage

**BAMBERGER Machelles A**

---

**From:** THOMA Michael J  
**Sent:** Monday, December 01, 2014 10:16 AM  
**To:** BAMBERGER Machelles A  
**Cc:** WOZNIAK Karl C  
**Subject:** RE: Permit G-12721 Perrydale Domestic Water Association

Hi Machelles,  
Ivan asked me to look into this. Our records show that they submitted a monitoring plan that was approved back in February, 2000 – there should be a copy of the plan in the application file as well, let me know if there isn't. The plan describes annual measurements, which we show that they have been making and reporting, and data are in our database. The permit doesn't mention anything about a 6-year study, only the monitoring plan. I'd be happy to go over with you what we have up here, and let me know if you have any other questions.

- Mike

---

Michael J Thoma, Ph.D.  
Hydrogeologist  
Oregon Water Resources Department  
725 Summer St. NE, Suite A  
Salem, OR 97301  
ph. 503-986-0845

**RECEIVED**

DEC 01 2014

WATER RESOURCES DEPT  
SALEM, OREGON

---

**From:** BAMBERGER Machelles A  
**Sent:** Wednesday, November 19, 2014 2:14 PM  
**To:** GALL Ivan K  
**Cc:** WOZNIAK Karl C; THOMA Michael J  
**Subject:** RE: Permit G-12721 Perrydale Domestic Water Association

Thank you so much for the update on this.  
Machelles

**Machelles A Bamberger** | Extension Specialist  
**Water Resources Department** | 725 Summer St. NE, Suite A | Salem, Oregon 97301  
Ph: 503 986-0802 | Fax: 503 986-0901  
Email: [Machelles.A.Bamberger@wrdd.state.or.us](mailto:Machelles.A.Bamberger@wrdd.state.or.us) | Web: <http://www.wrdd.state.or.us>



**From:** GALL Ivan K  
**Sent:** Wednesday, November 19, 2014 1:31 PM  
**To:** BAMBERGER Machelie A  
**Cc:** WOZNIAK Karl C; THOMA Michael J  
**Subject:** FW: Permit G-12721 Perrydale Domestic Water Association

Hi Machelie, please see below.

We need to check our files to confirm there is no plan submitted and/or accepted by WRD.

Mike, when you get back, can you please look into this and let me know what you come up with?

Thanks -ikg

Ivan Gall - Manager  
Groundwater Section  
Oregon Water Resources Department  
725 Summer St. NE, Suite A  
Salem, OR 97301-1271  
503.986.0847  
[ivan.k.gall@wrd.state.or.us](mailto:ivan.k.gall@wrd.state.or.us)

---

**From:** NORTON Marc A  
**Sent:** Wednesday, November 19, 2014 7:29 AM  
**To:** GALL Ivan K  
**Subject:** RE: Permit G-12721 Perrydale Domestic Water Association

Hi Ivan,

As far as I know, the study was not completed. A lot of the work was done by the Department, especially water level data collection. The situation at the wellfield changed dramatically when Perrydale brought the new alluvial well and new basalt well online a couple of years ago. The two new wells are located east of Lincoln, near the Willamette River. The use of these wells allowed the District to greatly reduce the pumpage from the Reimer Road wellfield. I have not looked at the water level data in a couple of years, but water levels had recovered substantially as a result of the shift in production. Hope this helps. If you need more info, give me a call or text.

Marc

---

**From:** GALL Ivan K  
**Sent:** Friday, November 07, 2014 3:34 PM  
**To:** NORTON Marc A  
**Subject:** Fwd: Permit G-12721 Perrydale Domestic Water Association

Any ideas on this?

Ivan Gall's Mobile

Begin forwarded message:

**From:** BAMBERGER Machelie A <[Machelie.A.Bamberger@wrd.state.or.us](mailto:Machelie.A.Bamberger@wrd.state.or.us)>  
**Date:** November 7, 2014 at 10:52:44 PST  
**To:** GALL Ivan K <[ivan.k.gall@wrd.state.or.us](mailto:ivan.k.gall@wrd.state.or.us)>, WOZNIAK Karl C <[karl.c.wozniak@wrd.state.or.us](mailto:karl.c.wozniak@wrd.state.or.us)>  
**Subject:** Permit G-12721 Perrydale Domestic Water Association

Perrydale Water Association Permit G-12721 was to have a monitoring plan and a 6 year study on the Reimer Road wells. Do either of you know about this and if so has that been completed

and was the outcome of that study. I am in the process of reviewing this file for an extension of time.

Thank you so much for your time,

Machelle

**Machelle A Bamberger** | Extension Specialist

**Water Resources Department** | 725 Summer St. NE Suite A | Salem, Oregon 97301

Ph: 503 986-0802 | Fax: 503 986-0901

Email: [Machelle.A.Bamberger@wrdd.state.or.us](mailto:Machelle.A.Bamberger@wrdd.state.or.us) | Web: <http://www.wrd.state.or.us>

## REECE Ann L

---

**From:** jeanne@boatwrightengr.com  
**Sent:** Tuesday, October 28, 2014 4:49 PM  
**To:** REECE Ann L  
**Subject:** Re: Perrydale Domestic Water Association

Ann,

I think that a lot of the holdup was on the groundwater monitoring program. I know your GW staff used to always come out at the March measurement along with Corbey and the Perrydale folks. (It was a group measurement!) But, I don't think that happens anymore (Corbey is out right now so I can't ask him) and I believe the controversy has settled down quite a bit. There were concerns about mining the basalt aquifer, but a few wet years proved that wasn't happening and it was recharging faster than GW thought it would. Some of the local homeowners, who originally complained, have since been put on Perrydale's system since they had such poor wells. Just some background that might help you.

Jeanne

*Boatwright Engineering, Inc.*  
2613 12th Street SE  
Salem, Oregon 97302  
ph: 503-363-9225  
FAX: 503-363-1051

**From:** [REECE Ann L](mailto:jeanne@boatwrightengr.com)  
**Sent:** Tuesday, October 28, 2014 4:31 PM  
**To:** <mailto:jeanne@boatwrightengr.com>  
**Cc:** [FRENCH Dwight W](#) ; [SAUTER Jerry K](#)  
**Subject:** Perrydale Domestic Water Association

Jeanne,

I looked through this file, and it does appear that an extension has been pending since 1999, and that there were comments in opposition to the application. I will try to put together some chronological history based on documents in the file to see where things are at. I will probably need to discuss this one with Dwight before determining how to move forward. I will try to get back to you by the end of next week.

Best Regards,

Ann Reece

-----

Water Right Services Division

Hydroelectric Analyst / Municipal Extension Specialist

Oregon Water Resources Department

725 Summer St. NE Suite A

Salem, OR 97301

503-986-0834

[reeceal@wrд.state.or.us](mailto:reeceal@wrд.state.or.us)

Application # G-13929 / Permit # G-12721

---

## Route Slip ... Extension of Time

*per Division 320 Rules... (Extensions received prior to July 1, 2001)*

---

◆ WRIG...  
Money Received: \$100.<sup>00</sup> on 10-1-99

◆ Lisa Juul...  
Extension Completeness: \_\_\_\_\_  
( If **NOT** complete, send certified letter requesting add'l information. )

***If Extension Appl complete and \$100 fee submitted, route to...***

◆ Jonnine Fuss...  
Update Extension Database: \_\_\_\_\_  
Files back to Lisa Juul for PFO: \_\_\_\_\_

***Extension Proposed Final Order...***

◆ Lisa Juul...  
Pull files for Ext PFO review: \_\_\_\_\_  
Extension PFO completed: \_\_\_\_\_

***Once Extension PFO signed by Dwight French...***

◆ Jonnine Fuss...  
Prepare Ext PFO for mailing to applicant: \_\_\_\_\_  
Mail to those who commented and paid copy fee: \_\_\_\_\_  
Include Ext PFO on weekly Public Notice: \_\_\_\_\_

***After the close of the 45-day PFO Protest Period...***  
(PFO Protest Period ends 45 days from PFO sign date)...

◆ Lisa Juul...  
Issue an Extension FO: \_\_\_\_\_

# EXTENSION REVIEW CHECKLIST for PFO... **per Div. 320 Rules**

Application #: G-13929 / Permit #: G-12721

Permittee's Name: Perrydale Domestic Water Assoc.

Permittee's Mailing Address: 11475 W. Perrydale Rd, Amity OR 97101

POD Location: Township \_\_\_\_\_ Range See Permit Section \_\_\_\_\_ ¼ ¼ \_\_\_\_\_

Stream Basin: Salt Cr. & misc County: Polk

✓ 1. Has the applicant completely filled out the updated Extension Application form?  Yes /  No \$100.00 - Yes  
\*\*\*If "No"..... has certified request for the new extension form been sent? Yes /  No

✓ 2. Shortcomings of Extension Request..... based upon review of updated extension form Yes /  No  
\*\*\***(NOTE: Any missing Extension information that is needed before an Extension PFO can be completed???)**

✓ 3. Date Permit was issued: 8-28-96

✓ 4. Source: 18 Wells (Wells "A" thru "R")

✓ 5. Use: Quasi-Municipal

✓ 6. "Q": 4.0 cfs Orig. "A" Date: 8-28-97

✓ 7. Original "B" Date: 10-1-98 Original "C" Date: 10-1-99

✓ 8. Conditions of Permit: Before Water Use begins → shall install a meter or other suitable meas. devic  
- May be required Keep monthly water use record & submit annually to WR  
Shall develop a plan to monitor & report the impact of water use, & submit  
to WRD within one year of permit issuance.

Pumpage from this permit shall not be for de-watering the aquifer in conjunction  
with mining operations.  
✓ 9. Extension request received: 10-1-99 Request Number (...1<sup>st</sup> 2<sup>nd</sup>, 3<sup>rd</sup>): 1<sup>st</sup>

✓ 10. Last Authorized "B" Date: 10-1-98 Last Authorized "C" Date: 10-1-99

✓ 11. Proposed "B" Date: 10-1-2060 Proposed C Date: 10-1-2060

✓ 12. Amount Invested to date: \$450,000.00 Estimated Total Cost: \$1,450,000.00

★ If a well(s) displays a total SWL decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from the well(s). (\*\*\*) Estimated Remaining Cost: \$1,000,000.00

\_\_\_13. The water project development made to date has been accomplished in accordance with the terms and conditions contained in the permit. Yes / No \*\*\*If "No"..... What permit terms and/or conditions have not been met?

Meters have been installed.

Monitoring several surrounding private wells for interference ... per monitoring plan.  
Water Level Measurement Plan approved by WRD on 2-4-2000.

\_\_\_14. Work on the water development project completed to date includes: \_\_\_\_\_

3 wells constructed w/ well houses.  
installed a 53,000 gallon reservoir.  
installed 4800 lineal feet of 14" pipe &  
1080 lineal feet of 10" pipe & 9730 lineal feet  
of 8" pipe & 1130 lineal feet of 6" pipe &  
360 lineal feet of 4" pipe.

- 20 new service connections added (Total)
- Using 108 gpm = 0.24 cfs

\_\_\_15. The work remaining to be completed consists of: \_\_\_\_\_

- Construct Remaining wells
- Appropriate remaining water.

\_\_\_16. Progress in perfecting the permit is being held up by: \_\_\_\_\_

Project allows for long-term growth for community water supply.

✓ \_\_\_17. Has the applicant pursued perfection of the right in good faith and with reasonable diligence?

Yes / No

- met "A" Date
- have been developing project

\_\_\_18. Determination of the market and the present demand for water or power to be supplied: \_\_\_\_\_

NOT in GW Lmt'd Area.

- SWL declines ??
- Impacts on surrounding wells & aquifer.?

\_\_\_19. Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?

Yes... "Good Cause" can be found. → Approval of Extension Request

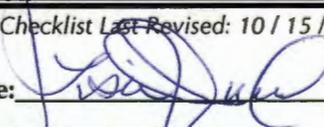
No ... "Good Cause" cannot be found. → Denial of Extension Request

\_\_\_20. Conditions to be included on Extension PFO: \_\_\_\_\_

Extension "PFO" Dates

Checklist Last Revised: 10 / 15 / 2001

Mailing / Issuance Date: \_\_\_\_\_

Reviewer's Name: 

Protest Deadline Date: \_\_\_\_\_

Date: 11-5-2001

APP 913929

USER-ID 16269

# 2007

Oregon Water Resources Department  
October 2007 through September 2008  
Annual Water Use - Monthly Quantities Form

# 2008

Facility → Report ID →	Well R6 Permit #G12721 ✓	Well R7 Permit #G12721 ✓	Well R9 Permit #G12721 ✓		
October - 2007	1,668,100	337,100	2,976,000		
November - 2007	1,060,400	1,430,300	2,622,200		
December - 2007	870,400	1,187,100	2,226,500		
January - 2008	1,733,200	200	3,395,200		
February - 2008	1,597,100	462,900	2,770,300		
March - 2008	1,350,100	792,700	2,798,900		
April - 2008	524,900	1,136,600	2,850,600		
May - 2008	1,274,700	1,015,600	2,120,900		
June - 2008	1,262,000	1,635,800	2,120,700		
July - 2008	1,337,500	2,262,800	3,405,700		
August - 2008	1,517,800	1,403,700	2,770,100		
September - 2008	1,669,800	1,249,600	3,113,200		
Total *	15,866,000	12,914,400	33,210,300		

RECEIVED

NOV 06 2008

WATER RESOURCES DEPT  
SALEM, OREGON

\* Describe the units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe the method of measurement used: Gallons If used for irrigation, total number of acres irrigated: \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
Signature

Ray Hobson  
Name

President  
Title

11475 W Perrydale Rd., Amity, OR 97101  
Mailing Address

Perrydale Domestic Water Assoc. 11/1/08  
Reporting Entity Date

503-835-7221  
Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;  
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

app g 1392a and app g 1193b and app g 11913

USER-ID 16269

2007 <sup>29107</sup>

Oregon Water Resources Department  
 October 2007 through September 2008  
 Annual Water Use - Monthly Quantities Form

2008 <sup>40096</sup>

Facility → Report ID →	Well #2 Standby Permit #G10987	Well #4 Permit #G10986	Well R1 Permit #G12721	Well R3 Permit #G12721	Well R4 Permit #G12721
October - 2007	0	888,400	0	0	0
November - 2007	0	763,200	0	0	0
December - 2007	0	250,600	0	0	0
January - 2008	0	446,300	2,800	0	0
February - 2008	0	0	0	0	0
March - 2008	0	0	0	0	0
April - 2008	0	273,300	0	0	0
May - 2008	0	812,400	0	0	0
June - 2008	0	2,831,100	0	0	0
July - 2008	0	1,738,000	0	0	0
August - 2008	0	1,564,700	0	0	0
September - 2008	0	1,380,100	0	0	0
Total *	0	10,948,100	0	0	0

RECEIVED

NOV 06 2008

WATER RESOURCES DEPT  
SALEM OREGON

\* Describe the units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe the method of measurement used: Gallons If used for irrigation, total number of acres irrigated: \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
Signature

President Perrydale Domestic Water Assoc. 11/1/08  
Title Reporting Entity Date

Ray Hobson 11475 W Perrydale Rd., Amity, OR 97101 503-835-7221  
Name Mailing Address Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;  
 Summer Street NE, Suite A; Salem, OR 97301-1266.



# Oregon

Theodore R. Kulongoski, Governor

**Water Resources Department**  
 North Mall Office Building  
 725 Summer Street NE, Suite A  
 Salem, OR 97301-1271  
 503-986-0900  
 FAX 503-986-0904

October 6, 2008

PERRYDALE DOMESTIC WATER ASSOCIATION  
 11475 W PERRYDALE RD  
 AMITY, OR 97101

REFERENCE: User Id and Password **16269**

Dear Water User,

You are receiving this letter as a reminder of a water use reporting requirement listed on a water right. Online reporting is available at our web site ([www.wrd.state.or.us](http://www.wrd.state.or.us)). To begin, locate the *Water Use Reporting* link under *Featured Links*. By clicking this link, your browser will open a new page where you will be able to log in with your User Id and Password (above). Once you are logged in, the *Select* link will allow you to add data for a particular diversion. Please remember to report zeros for any given month when water was not used. Online reporting will be available through March 31, 2009. If the internet is not accessible, you may use the form provided on the back of this letter to submit your monthly water use data.

Although much effort has been done to add new permits to the Water Use Reporting database, there still may be diversions not included on the web site. Please be aware that most Transfer orders approved within the last few years will not likely appear online. If you notice a diversion not listed that should be, you can either use the form provided to report water use or let me know and we will add it to the database as soon as possible. Additionally, if you would like to designate a facility name for a diversion, please feel free to contact me.

For water rights authorizing less than 0.1 cubic foot per second (CFS) or 9.2 acre-feet, you may assume the maximum quantity allowed under the right and report that volume. For reporting purposes, please convert cubic feet per second to acre feet, using  $(1.98)(\text{CFS})(\# \text{ of days used per month})$ .

The time and effort of both recording and reporting your water use is greatly appreciated. If you have any questions or need additional time, please let me know.

Sincerely,

Alyssa Mucken  
 Water Measurement Specialist  
 Oregon Water Resources Department  
 Phone 503.986.0837 Fax 503.986.0902  
[alyssa.m.mucken@wrd.state.or.us](mailto:alyssa.m.mucken@wrd.state.or.us)



# Oregon

Theodore R. Kulongoski, Governor

January 10, 2007

Perrydale Domestic Water Association  
Attn: Ray Hobson  
11475 W Perrydale Road  
Amity, Oregon 97101

RE: Perrydale Domestic Water Association/Kozisek agreement

Dear Mr. Hobson,

Oregon Water Resources Department (OWRD) has read the agreement between Perrydale Domestic Water Association (PDWA) and Judith and Theodore Kozisek that was signed November 22, 2007. OWRD supports the agreement and the efforts undertaken by PDWA to mitigate interference between the PDWA Reimer Road Well Field and the Kozisek's well. Further, OWRD appreciates the Kozisek's willingness to work to an amicable resolution. OWRD will continue monitoring ground water levels in this area and assessing the ground water resource keeping in mind that if the need arises we will take appropriate actions to address resource issues.

Respectfully,

William E. Ferber  
OWRD West Region Manager

Cc: Judith and Theodore Kozisek  
Walt Gowell - Haugeberg, Rueter, Stone, Gowell, Fredricks, Higgins &  
McKeegan, PC  
Doug Woodcock, Ground Water Section Manager  
Marc Norton, Hydrogeologist  
Mike McCord, District 16 Watermaster

13929, G, 12721

Water Resources Department

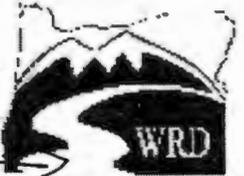
North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1266  
503-986-0900  
FAX 503-986-0904

# 2005

Oregon Water Resources Department  
 October 2005 through September 2006  
 Annual Water Use - Monthly Quantities Form

USER-ID 16269

# 2006



APP-G-11935

APP-G-11913

APP-G

APP-G-13929

Facility POD-ID	Well #2 Standby Permit G10987	Well #4 Permit #G10986	Well R1 Permit #G12721	Well #R3 Permit #G1272	Well #R4 Permit #G1272
	24167	24166	46102	46104	46096
October - 2005	0	971,600	48,050	0	0
November - 2005	0	1,040,200	0	0	0
December - 2005	0	974,900	0	0	0
January - 2006	0	1,197,000	0	0	0
February - 2006	0	1,116,300	0	0	0
March - 2006	0	596,300	0	0	320
April - 2006	0	0	0	0	0
May - 2006	0	0	0	0	0
June - 2006	0	0	0	0	0
July - 2006	0	963,900	0	0	0
August - 2006	0	1,701,900	0	0	0
September - 2006	0	1,346,100	122,160	0	1,457
TOTAL *	0	9,908,200	170,210	0	1,777

RECEIVED  
 NOV 16 2006  
 WATER RESOURCES DEPT  
 SALEM, OREGON

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Gallons If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
 Signature

President  
 Title

Perrydale Domestic  
 Reporting Entity  
Water Assoc.

11/14/06  
 Date

Ray Hobson  
 Name - Please Print

Please complete and mail to: Water Resources Department, Water Use Reporting Program  
 725 Summer Street NE, Suite A, Salem, OR 97301-1266.

COPY

# 2005

Oregon Water Resources Department  
 October 2005 through September 2006  
 Annual Water Use - Monthly Quantities Form

USER-ID 16269

# 2006



Facility POD-ID	Well #2 Standby Permit G10987	Well #4 Permit #G10986	Well R1 Permit #G12721	Well #R3 Permit #G12721	Well #R4 Permit #G12721
	APP-G-11935 24167	APP-G-11913 24166	APP G 46102	APP-G-13929 46104	46096
October - 2005	0	971,600	48,050	0	0
November - 2005	0	1,040,200	0	0	0
December - 2005	0	974,900	0	0	0
January - 2006	0	1,197,000	0	0	0
February - 2006	0	1,116,300	0	0	0
March - 2006	0	596,300	0	0	320
April - 2006	0	0	0	0	0
May - 2006	0	0	0	0	0
June - 2006	0	0	0	0	0
July - 2006	0	963,900	0	0	0
August - 2006	0	1,701,900	0	0	0
September - 2006	0	1,346,100	122,160	0	1,457
TOTAL *	0	9,908,200	170,210	0	1,777

**RECEIVED**  
 NOV 16 2006  
 WATER RESOURCES DEPT  
 SALEM, OREGON

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Gallons If use is irrigation, total number acres irrigated \_\_\_\_\_  
 I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
 Signature

President  
 Title

Perrydale Domestic  
 Reporting Entity  
Water Assoc.

11/14/06  
 Date

Ray Hobson  
 Name - Please Print

Please complete and mail to: Water Resources Department, Water Use Reporting Program,  
 725 Summer Street NE, Suite A, Salem, OR 97301-1266.



# Oregon

Theodore R. Kulongoski, Governor

## Water Resources Department

North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271  
503-986-0900  
FAX 503-986-0904

October 30, 2006

PERRYDALE DOMESTIC WATER ASSO  
11475 W PERRYDALE RD  
AMITY, OR 97101

REFERENCE: USER\_ID 16269

Dear Water User:

We appreciate your continued cooperation with the Water Use Reporting program. We again request that you report your water use online. If you need to report on a new water right not in the reporting database, you will need to submit a hard copy form. A 2006 monthly quantities form is printed on the reverse.

To report monthly quantities data online, go to our web page at [www.wrd.state.or.us](http://www.wrd.state.or.us) and click on the link 'Water Use Reporting' under 'current topics'. Then, click on 'Submit your water use report data' on the Water Use Reporting page. Your USER\_ID number is both your Username and your Password to log in. To submit data for a point of diversion, scroll down to the point of diversion and click on 'Insert' to add data for that diversion. Enter the data for one point of diversion at a time. Be sure to be careful to choose the correct units, enter the monthly amounts diverted, and then click the 'Update' button. You will then be given the opportunity to review the data for that diversion to make sure it is correct. Please do so, as once data has been submitted by clicking the 'Submit' button, you cannot edit it. Also, please remember to enter a zero if you did not use a diversion during a month. At present, the system can receive data only for the 2006 water year (October 2005 – September 2006). If you wish to submit data for another year, you will need to submit a hard copy.

Finally, if you use small water right (less than 0.1 CFS or 9.2 AF) and do not measure monthly quantities, you may report the maximum volume allowed under the right. For rates in CFS,

$$\text{AF} = 1.98 * \text{CFS} * (\# \text{ of days in the month})$$

Thank you in advance. The data you provide is valuable for water management in Oregon.

Yours truly,

Gary L. Ball, PE, PLS  
Hydrographics/Measurement & Reporting Manager  
Voice: 503-986-0831, Fax: 503-986-0902  
Gary.L.BALL@wrd.state.or.us

# 2005

Oregon Water Resources Department  
 October 2005 through September 2006  
 Annual Water Use - Monthly Quantities Form

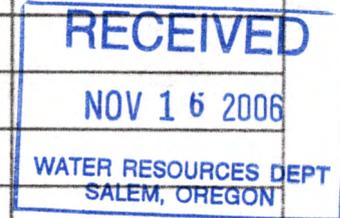
USER-ID 16269

# 2006



APPG-13929

Facility POD-ID	Well #R9 Permit #G12721	Well # R7 Permit #G12721	Well #R6 Permit #G12721		
	46108	46110	46111		
October - 2005	1,629,700	668,700	809,700		
November - 2005	1,194,300	590,900	307,500		
December - 2005	849,500	464,300	476,800		
January - 2006	1,014,600	574,200	559,600		
February - 2006	1,190,500	315,600	252,700		
March - 2006	2,313,100	4,600	1,180,200		
April - 2006	2,663,200	0	1,719,800		
May - 2006	2,470,000	1,153,900	1,643,000		
June - 2006	1,994,400	1,729,100	1,197,100		
July - 2006	2,650,500	2,347,000	1,623,300		
August - 2006	3,423,900	2,556,200	2,006,600		
September - 2006	2,540,300	1,868,600	1,416,700		
TOTAL *	23,934,000	12,273,100	13,193,000		



\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Gallons If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
Signature

President  
Title

Perrydale Domestic Water Assoc. 11/14/06  
Reporting Entity Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department, Water Use Reporting Program,  
 725 Summer Street NE, Suite A, Salem, OR 97301-1266.



Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

PERRYDALE DOM WATER ASSOC  
11475 PERRYDALE ROAD  
AMITY OR 97101

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

WATER-LEVEL MEASUREMENT REPORT  
(Complete one form for each well that requires measurement under your plan)

Well Identification (Please provide a well id (next line) or as much information about the well as possible):

Well Log ID (from well log): POLK 51170 Well Tag (on well casing): L41331 Startcard #: 127310

Well not yet drilled as of date: \_\_\_\_\_

Original owner on well log: Perrydale Domestic Water Association

Well depth: \_\_\_\_\_ Casing diameter: 8 inch Date drilled: June 22, 2000

Owner's well name: R-9 (Reiner) Drilled by: Floyd Sippel

App map POD "0"

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

RECEIVED

Show all water rights listing this well:

Application number(s): G-13929

Permit number(s): G-12721

Certificate number(s): \_\_\_\_\_

APR 03 2006

WATER RESOURCES DEPT  
SALEM, OREGON

Date of measurement: March 31 2006

Description of measuring point (e.g. 1 1/4" port pipe on north side): 3/4 Vent port on Top of Well

Static water level below (circle one) measuring point: 33.00 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above (circle one) land surface: 2.05 feet, or airline length \_\_\_\_\_ feet

Static water level below (circle one) land surface: 30.95 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape X Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static X Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: 8hr

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: boatwrightengr@yahoo.com

If you have any questions about this notice, please call Michael J. Zwart at 503-986-0844.

Return completed form to: Oregon Water Resources Department, Measurements & Reporting Section, 725 Summer St. NE, Suite A, Salem, OR 97301-1271.

Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

PERRYDALE DOM WATER ASSOC  
11475 PERRYDALE ROAD  
AMITY OR 97101

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

WATER-LEVEL MEASUREMENT REPORT  
(Complete one form for each well that requires measurement under your plan)

Well Identification (Please provide a well id (next line) or as much information about the well as possible):

Well Log ID (from well log): \_\_\_\_\_ Well Tag (on well casing): L10461 Startcard #: 99322

Well not yet drilled as of date: \_\_\_\_\_

Original owner on well log: Perrydale Domestic Water Association

Well depth: \_\_\_\_\_ Casing diameter: 8 inch Date drilled: May 12, 1997

Owner's well name: R-4 Kreimer Drilled by: Floyd Sippel

App map 20D "C"

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

RECEIVED

Show all water rights listing this well:

Application number(s): G-13929

Permit number(s): G-12721

Certificate number(s): \_\_\_\_\_

APR 03 2006

WATER RESOURCES DEPT  
SALEM, OREGON

Date of measurement: March 31, 2006

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4 sideport

Static water level above / below (circle one) measuring point: below 10.85 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above / below (circle one) land surface: below 1.10 feet, or airline length \_\_\_\_\_ feet

Static water level above / below (circle one) land surface: below 9.75 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static  Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: 30 day

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: boatwrightenr@yahoo.com

If you have any questions about this notice, please call Michael J. Zwart at 503-986-0844.

Return completed form to: Oregon Water Resources Department, Measurements & Reporting Section, 725 Summer St. NE, Suite A, Salem, OR 97301-1271.

Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

PERRYDALE DOM WATER ASSOC  
11475 PERRYDALE ROAD  
AMITY OR 97101

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

WATER-LEVEL MEASUREMENT REPORT  
(Complete one form for each well that requires measurement under your plan)

Well Identification (Please provide a well id (next line) or as much information about the well as possible):

Well Log ID (from well log): POLK 50365 Well Tag (on well casing): L02874 Startcard #: 95432

Well not yet drilled as of date: \_\_\_\_\_

Original owner on well log: Perrydale Domestic Water Association

Well depth: \_\_\_\_\_ Casing diameter: 8 inch Date drilled: Oct. 28, 1996

Owner's well name: R-3 (Reimer) Drilled by: Floyd Sippel

App map POD "R"

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

RECEIVED

Show all water rights listing this well:

Application number(s): G-13929

Permit number(s): G-12721

Certificate number(s): \_\_\_\_\_

APR 03 2006

WATER RESOURCES DEPT  
SALEM, OREGON

Date of measurement: March 31, 2006

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4" side port

Static water level ~~above~~ below (circle one) measuring point: 31.05 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance ~~above~~ below (circle one) land surface: 1.05 feet, or airline length \_\_\_\_\_ feet

Static water level ~~above~~ below (circle one) land surface: 30.00 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape X Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static X Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: July 2 2002

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corby Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: boatwrightengr@yahoo.com

If you have any questions about this notice, please call Michael J. Zwart at 503-986-0844.

Return completed form to: Oregon Water Resources Department, Measurements & Reporting Section, 725 Summer St. NE, Suite A, Salem, OR 97301-1271.

Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

PERRYDALE DOM WATER ASSOC  
11475 PERRYDALE ROAD  
AMITY OR 97101

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

WATER-LEVEL MEASUREMENT REPORT  
(Complete one form for each well that requires measurement under your plan)

Well Identification (Please provide a well id (next line) or as much information about the well as possible):

Well Log ID (from well log): POLK 51165 Well Tag (on well casing): L41319 Startcard #: 127294

Well not yet drilled as of date: \_\_\_\_\_

Original owner on well log: Perrydale Domestic Water Association

Well depth: \_\_\_\_\_ Casing diameter: 8" w/ 6" line Date drilled: June 10, 2000

Owner's well name: R-6 (Reimer) Drilled by: Floyd Sippel

App map 70D "R"

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

RECEIVED

Show all water rights listing this well:

Application number(s): 6-13929 \_\_\_\_\_

Permit number(s): 6-12721 \_\_\_\_\_

Certificate number(s): \_\_\_\_\_

APR 03 2006

WATER RESOURCES DEPT  
SALEM, OREGON

Date of measurement: March 31, 2006

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1" Port on Top there is a PVC Tube

Static water level above / below (circle one) measuring point: 104.45 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above / below (circle one) land surface: 1.85 feet, or airline length \_\_\_\_\_ feet

Static water level above / below (circle one) land surface: 102.60 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static  Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: 8 hr

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corby Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: boatwrightengr@yahoo.com

If you have any questions about this notice, please call Michael J. Zwart at 503-986-0844.  
Return completed form to: Oregon Water Resources Department, Measurements & Reporting Section, 725 Summer St. NE, Suite A, Salem, OR 97301-1271.

Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

PERRYDALE DOM WATER ASSOC  
11475 PERRYDALE ROAD  
AMITY OR 97101

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

WATER-LEVEL MEASUREMENT REPORT  
(Complete one form for each well that requires measurement under your plan)

Well Identification (Please provide a well id (next line) or as much information about the well as possible):

Well Log ID (from well log): POLK 51208 Well Tag (on well casing): L41334 Startcard #: 125976

Well not yet drilled as of date: \_\_\_\_\_

Original owner on well log: Perrydale Domestic Water Association

Well depth: \_\_\_\_\_ Casing diameter: 8" w/ 6" liner Date drilled: Aug. 30, 2000

Owner's well name: R-7 (Reimer) Drilled by: Floyd Sippel

App map 70D "Q"

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

RECEIVED

Show all water rights listing this well:

Application number(s): G-13929

Permit number(s): G-12721

Certificate number(s): \_\_\_\_\_

APR 03 2006

WATER RESOURCES DEPT  
SALEM, OREGON

Date of measurement: March 31, 2006

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1/2 PVC on top of well

Static water level above / below (circle one) measuring point: 174.543 <sup>175.43</sup> feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above / below (circle one) land surface: 1.38 feet, or airline length \_\_\_\_\_ feet

Static water level above / below (circle one) land surface: 174.05 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape X Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static X Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: Feb 4 2006

Comments (use back or extra sheet if necessary): 1/2 PVC Pipe install inside port for a clear passage

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: boatwrightenr@yahoo.com

If you have any questions about this notice, please call Michael J. Zwart at 503-986-0844.

Return completed form to: Oregon Water Resources Department, Measurements & Reporting Section, 725 Summer St. NE, Suite A, Salem, OR 97301-1271.

Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

PERRYDALE DOM WATER ASSOC  
11475 PERRYDALE ROAD  
AMITY OR 97101

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

WATER-LEVEL MEASUREMENT REPORT  
(Complete one form for each well that requires measurement under your plan)

Well Identification (Please provide a well id (next line) or as much information about the well as possible):

Well Log ID (from well log): POLK 50226 Well Tag (on well casing): L02881 Startcard #: 095433

Well not yet drilled as of date:

Original owner on well log: Perrydale Domestic Water Association

Well depth: \_\_\_\_\_ Casing diameter: 8" Date drilled: November 13, 1996

Owner's well name: R1 (Reiner) Drilled by: Sippel

Approx 100' PD "1"

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

RECEIVED

Show all water rights listing this well:

Application number(s): G-13929 \_\_\_\_\_

APR 03 2006

Permit number(s): G-12721 \_\_\_\_\_

WATER RESOURCES DEPT  
SALEM, OREGON

Certificate number(s): \_\_\_\_\_

Date of measurement: March 31, 2006

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/2" side port

Static water level below (circle one) measuring point: 64.50 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance below (circle one) land surface: 0.85 feet, or airline length \_\_\_\_\_ feet

Static water level below (circle one) land surface: 63.65 feet \_\_\_\_\_ feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape X Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static X Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: 30 day

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: boatwrightengr@yahoo.com

If you have any questions about this notice, please call Michael J. Zwart at 503-986-0844.

Return completed form to: Oregon Water Resources Department, Measurements & Reporting Section, 725 Summer St. NE, Suite A, Salem, OR 97301-1271.

RECEIVED

NOV 08 2005



WATER RESOURCES DEPT  
SALEM, OREGON

2004

USER-ID 16269

Oregon Water Resources Department  
October 2004 through September 2005  
Annual Water Use - Monthly Quantities Form

2005



Facility POD-ID	Well # 2 Standby Permit G10987	Well # 4 Permit #G10986	Well R1 Permit #G12721	Well # R3 Permit #G12721	Well # R4 Permit #G12721
October - 2004	0	1,097,900	0	0	0
November - 2004	0	538,800	0	0	0
December - 2004	0	109,800	0	0	0
January - 2005	0	0	0	0	0
February - 2005	0	500	0	0	0
March - 2005	0	0	0	0	0
April - 2005	0	0	0	0	0
May - 2005	0	0	0	0	0
June - 2005	0	0	0	0	0
July - 2005	0	426,900	0	0	0
August - 2005	0	1,329,400	820,590	0	0
September - 2005	0	1,047,400	140,590	0	0
TOTAL *	0	4,550,700	971,120	0	0

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
Signature

Pres [unclear]  
Title

Perrydale Domestic Water Association  
Reporting Entity

Nov 3/05  
Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.



# Oregon

Theodore R. Kulongoski, Governor

## Water Resources Department

North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271  
503-986-0900  
FAX 503-986-0904

October 18, 2005

PERRYDALE DOMESTIC WATER ASSO  
11475 W PERRYDALE RD  
AMITY, OR 97101

REFERENCE: USER\_ID 16269

Dear Water User:

We have appreciated your cooperation with the Water Use Reporting program in the past. And now, with the loss of the water use coordinator position through budget reductions, we hope you can help us even more. We are requesting all who need to report monthly quantities and have Internet access to report those quantities online through our website. For the time being, the water use reporting database will not be updated with new water right information. If you need to report on a new water right not in the reporting database, you will need to submit a hard copy form. A 2005 monthly quantities form is printed on the reverse you can copy for your use.

To report monthly quantities data online, go to our web page at [www.wrd.state.or.us](http://www.wrd.state.or.us) and click on the link 'Water Use Reporting' under 'current topics'. Then, click on 'Submit your water use report data' on the Water Use Reporting page. A logon screen then appears and you use your USER\_ID for both the Username and Password. To submit data for a point of diversion, scroll down to the point of diversion and click on 'Insert' to add data for that diversion. Be sure to be careful to choose the correct units, enter the monthly amounts diverted, and then click the 'Update' button. You will then be given the opportunity to review the data for that diversion to make sure it is correct. Please do so, as once data has been submitted by clicking the 'Submit' button, you cannot edit it. Also, please remember to enter zeros if you did not use a diversion. At present, the system can receive data only for the 2005 water year (October 2004 – September 2005). If you wish to submit data for another year, you will need to submit a hard copy. Thank you in advance for your cooperation. The data you provide is valuable for water management in Oregon.

Finally, if you have small water rights (less than 0.1 cfs or 9.2 AF) and do not report monthly quantities for them, we will assume that you have used water according to those rights.

Yours truly,

Gary L. Ball, PE, PLS  
Hydrographics/Measurement & Reporting Manager  
Voice: 503-986-0831, Fax: 503-986-0902  
[Gary.L.BALL@wrd.state.or.us](mailto:Gary.L.BALL@wrd.state.or.us)

RECEIVED

NOV 08 2005

USER-ID 16269



WATER RESOURCES DEPT  
SALEM, OREGON

2004

Oregon Water Resources Department  
October 2004 through September 2005  
Annual Water Use - Monthly Quantities Form

2005



Facility POD-ID	Well # R9 Permit #G12721	Well # R7 Permit #G12721	Well # R6 Permit #G12721		
October - 2004	2,215,500	1,572,600	547,300		
November - 2004	1,798,800	1,248,300	1,214,800		
December - 2004	1,445,800	1,002,100	340,400		
January - 2005	1,723,800	1,209,400	948,100		
February - 2005	1,448,600	1,019,400	810,000		
March - 2005	1,603,700	1,119,000	888,200		
April - 2005	1,771,100	1,260,400	943,900		
May - 2005	1,964,100	1,425,500	1,034,300		
June - 2005	2,095,300	1,478,000	1,114,000		
July - 2005	4,174,200	1,039,600	827,100		
August - 2005	3,282,600	1,452,500	1,244,900		
September - 2005	2,521,400	1,364,000	1,120,400		
TOTAL *	26,044,900	15,190,800	11,033,400		

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_  
I certify this information is true and accurate to the best of my knowledge.

Ray Hobson Pres. Perrydale Domestic Water Association 11/3/05  
Signature Title Reporting Entity Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

# 2003

App G-13989 USE ID 16269  
 Oregon Water Resources Department  
 October 2003 through September 2004  
 Annual Water Use - Monthly Quantities Form

# 2004



Facility POD-ID	WELL #2 Standby permit #G10987	WELL #4 Permit # G10986	WELL #R1 Permit # G12721	WELL #R3 Permit # G12721	WELL #R4 Permit # G12721
October - 2003	0	1,280,300	0	0	0
November - 2003	0	1,264,600	0	0	0
December - 2003	0	1,302,000	0	0	70
January - 2004	0	902,100	0	0	0
February - 2004	0	725,300	0	0	0
March - 2004	0	0	0	0	0
April - 2004	0	152,800	0	0	0
May - 2004	0	832,100	0	0	0
June - 2004	0	827,700	0	0	0
July - 2004	0	1,537,800	0	0	0
August - 2004	0	1,495,600	0	0	0
September - 2004	0	1,014,200	0	0	0
TOTAL *	0	11,334,500	0	0	70

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

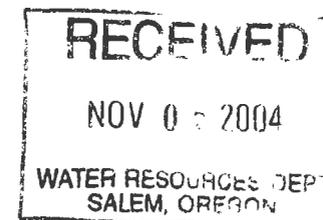
Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_  
 I certify this information is true and accurate to the best of my knowledge.

Ray Hobson President Perrydale Domestic Water Association 11/04/04  
 Signature Title Reporting Entity Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

46104 WELL R-3 ✓	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL K	WILLAMETTE R
46105	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL L	WILLAMETTE R
46106	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL M	WILLAMETTE R
46107	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL N	WILLAMETTE R
46108 WELL R-9 .	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NESE	4 C A WELL O	WILLAMETTE R
46109	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NESE	4 C A WELL P	WILLAMETTE R
46110 WELL R-7 ✓	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NWSE	4 C A WELL Q	WILLAMETTE R
46111 WELL R-6 ✓	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NWSE	4 C A WELL R	WILLAMETTE R



# 2003

Oregon Water Resources Department  
 October 2003 through September 2004  
 Annual Water Use - Monthly Quantities Form

16269  
 2004 

Facility  POD-ID 	WELL #R9 Permit # G12721	WELL #R7 Permit # G12721	WELL #R6 Permit # G12721 (activated Jan. 2004)		
October - 2003	1,337,000	1,810,500			
November - 2003	213,300	1,019,416			
December - 2003	977,800	1,055,200			
January - 2004	1,244,400	856,200	5,000		
February - 2004	1,160,800	816,700	1,272,000		
March - 2004	1,594,200	1,160,700	810,400		
April - 2004	1,496,300	998,100	753,300		
May - 2004	1,743,300	1,193,900	1,244,500		
June - 2004	1,692,800	1,081,000	979,200		
July - 2004	2,560,200	1,717,400	1,444,800		
August - 2004	2,943,200	2,046,800	1,583,000		
September - 2004	2,192,100	1,289,600	1,206,400		
TOTAL *	19,155,400	12,045,516	9,298,600		

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated         

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson President Perrydale Domestic Water Association 11/4/04  
 Signature Title Reporting Entity Date

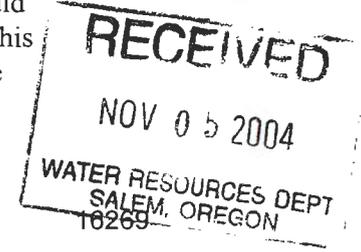
Ray Hobson  
 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.



### OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT

Dear Water User: Water year 2004 has ended! All water use reports for October 2003 to September 2004 are requested to be submitted. During the past year we transferred our data to a new computer system, and have developed a website from which you may submit your data, if you so choose. In some cases the references numbers for points of diversion may have been changed. If this creates a problem for you, please contact me. If you would like to use the new site go to the web address listed below. You will not need to mail in this completed form. This information is important for water management in Oregon. Please, complete the form on the reverse side for the water rights listed below by December 31, 2004. If you have questions, or need more time please, contact me at 503-986-0833. Thank you for your attention to this matter. Mary Grainey



<http://www.wrd.state.or.us>

PERRYDALE DOMESTIC WATER ASSO  
11475 W PERRYDALE RD  
AMITY OR 97101

User-ID

Password:

16269

POD-ID	FACILITY	CERT	PERMIT	APPL	PRIORITY	USE	L/S	TWP	RANGE	SEC	Q/Q	RATE	SOURCE	TRIBUTARY TO		
24166	#4 WELL ✓	0	G	10986	G	11913	4/24/1989	QM	L	6	S	3	W 32 SWNE	150	G P WELL 4	WILLAMETTE R
24167	#2 WELL ✓	0	G	10987	G	11935	3/16/1989	QM	L	6	S	3	W 29 SESW	60	G P WELL 2A	WILLAMETTE R
46094		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NENE	4	C P WELL A	WILLAMETTE R
46095		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NENE	4	C A WELL B	WILLAMETTE R
46096	WELL R-4 ✓	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NENE	4	C A WELL C	WILLAMETTE R
46097		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NENE	4	C A WELL D	WILLAMETTE R
46098		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NWNE	4	C A WELL E	WILLAMETTE R
46099		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NWNE	4	C A WELL F	WILLAMETTE R
46100		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 NWNE	4	C A WELL G	WILLAMETTE R
46101	WELL R-2 ✓ <i>This one is a dry hole</i>	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 SWNE	4	C A WELL H	WILLAMETTE R
46102	WELL R-1 ✓	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 SWNE	4	C A WELL I	WILLAMETTE R
46103		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W 17 SWNE	4	C A WELL J	WILLAMETTE R

USER-ID

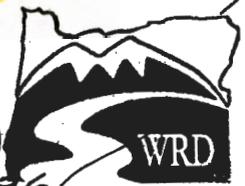
16269

2002

Oregon Water Resources Department  
October 2002 through September 2003  
Annual Water Use - Monthly Quantities Form

USER-ID 16269

2003



App G11935

G11913

G-13924

24167

24166

46102

46104

46096

Facility POD-ID	Well #2 Standby permit #G10987 11935	Well #4 Permit # G10986 11913	Well #R1 Permit # G12721 13929	Well #R3 Permit # G12721	Well #R4 Permit # G12721
October - 2002	0	1,048,400	773,090	0	0
November - 2002	0	300	388,570	0	0
December - 2002	0	0	0	0	0
January - 2003	0	0	0	0	0
February - 2003	0	700	0	0	0
March - 2003	0	100	0	0	0
April - 2003	0	0	19,450	0	0
May - 2003	0	642,500	0	100	0
June - 2003	0	1,888,200	0	0	0
July - 2003	0	1,890,600	0	0	0
August - 2003	0	2,369,900	0	0	0
September - 2003	0	1,592,100	0	0	0
TOTAL *	0	9,432,800	1,181,110	100	0

COPY

RECEIVED

JAN 02 2004

WATER RESOURCES DEF  
SALEM OREGON

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson      President      Perrydale Domestic Water Association      12/30/03  
Signature      Title      Reporting Entity      Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
725 Summer Street NE, Suite A; Salem, OR 97301-1271

# 2002

Oregon Water Resources Department  
 October 2002 through September 2003  
 Annual Water Use - Monthly Quantities Form

USER-ID 16269

# 2003



Facility <input type="checkbox"/> POD-ID <input type="checkbox"/>	Well #R9 Permit # G12721, 3929	Well #R7 Permit # G12721	Well #R6 Permit # (Not activated yet) G12721		
October - 2002	2,592,500				
November - 2002	2,884,500				
December - 2002	2,583,200				
January - 2003	2,907,600				
February - 2003	3,043,500				
March - 2003	2,508,200				
April - 2003	2,058,000	212,500			
May - 2003	1,252,900	706,200			
June - 2003	1,579,500	1,689,500			
July - 2003	2,451,600	1,454,400			
August - 2003	3,486,200	2,224,500			
September - 2003	2,912,500	1,291,800			
TOTAL *	30,260,200	7,578,900			

COPY

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson President Perrydale Domestic Water Association 12/30/03  
 Signature Title Reporting Entity Date

Ray Hobson  
 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
 725 Summer Street NE, Suite A; Salem, OR 97301-1271

✓ 46104 WELL R-3	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL K	WILLAMETTE R
46105	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL L	WILLAMETTE R
46106	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL M	WILLAMETTE R
46107	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 SENE	4 C A WELL N	WILLAMETTE R
✓ 46108 WELL R-9	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NESE	4 C A WELL O	WILLAMETTE R
46109	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NESE	4 C A WELL P	WILLAMETTE R
46110 WELL R-7	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NWSE	4 C A WELL Q	WILLAMETTE R
<del>46111 WELL R-6</del> <i>not plumbed yet</i>	0 G 12721 G 13929 12/28/1994 QM L 7 S 5 W 17 NWSE	4 C A WELL R	WILLAMETTE R

COPY

41334

02881

02874

41331

10461 41319  
(SC 99322)

~~2001~~

45.4

13.6

11.3

12.5

42.5  $\boxed{+2.9}$

13.2  $\boxed{+1.4}$

9.8  $\boxed{+1.5}$

10.9  $\boxed{+1.6}$

157.8

47.5  $\boxed{-2.1}$

17.2  $\boxed{-3.6}$

14.6  $\boxed{-3.36}$

8.75  $\boxed{+3.75}$

76.25

A-

P- 10987

60 gpm

8/20/03

A-

P- 10986

150 gpm

A- G-13929

4 cfs

P- G-12721

42 m C

40 m 15 2002

115,068 gpd

4,785 gpm

20 gpm

46106	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	M	R
-------	---------	---	------------	----	----	----	----	-----	---	---	---

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46107	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL N	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46108	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL O	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46109	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL P	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46110	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL Q	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
--------	--------	------	----------	-------	-------	------	-----	------	-------	--------	--------------

46111	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL R	WILLAMETTE R
-------	---------	---	------------	----	----	----	----	-----	---	-----------	-----------------

**No Records found for that search criteria**

*Paul R. Cleary, Director*  
*Oregon Water Resources Department 158 12th ST. NE Salem, OR 97310 Phone: (503)378-8455 Fax: (503)378-2496*



# Water Use Reporting Database

**RAY HOBSON, PRESIDENT**  
**PERRYDALE DOMESTIC WATER ASSOCIATION**  
**11475 W PERRYDALE ROAD**  
**AMITY,OR 97101**

**jump to:**

- home
- commission
- water law
- water rights
- surface water
- ground water
- maps
- programs
- publications
- links
- staff
- file pickup
- intranet
  
- about
- search
- oregon online
- comments

Pod Id	Permit	Cert	Priority	Twncshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
24166	G 10986	0	4/24/1989	6S	3W	32	QM	150 G	P	WELL 4	WILLAMETTE R

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1994	0	G	1889300	3612100	1233500	0	60200	29000	52200	204500	4717800	2330100	2828600	1712300
1998	QM	G	1774600	1745300	967700	0	0	0	0	0	853800	2412200	3650300	2959900
2000	QM	G	0	0	0	0	0	0	0	0	0	0	0	0

Pod Id	Permit	Cert	Priority	Twncshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
24167	G 10987	0	6/16/1989	6S	3W	29	QM	60 G	P	WELL 2A	WILLAMETTE R

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1994	QM	null	0	0	0	0	0	0	0	0	0	0	0	0
1998	QM	G	0	0	0	0	0	0	0	0	0	0	0	0
2000	QM	G	2605300	1252700	2060400	116300	1321400	1269400	161200	0	1519800	2035700	2289800	2465200

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46094	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	P	WELL A	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46095	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL B	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46096	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL C	WILLAMETTE R

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	QM	G	11000	54680	9820	1190	0	11850	340	46180	0	42700	30490	29750

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46097	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL D	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46098	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL E	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46099	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL F	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46100	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL G	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46101	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL H	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46102	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL I	WILLAMETTE R

Water											
-------	--	--	--	--	--	--	--	--	--	--	--

# Water Rights Information Query Results

Name	Application	Permit	Certificate	Decree	Claim	Transfer	Status
BUELL RED PRAIRIE WATER DISTRICT 6430 RED PRAIRIE RD SHERIDAN OR 97378 <a href="#">(details)</a>	G9326	G8748					NC
BUELL RED PRAIRIE WATER DISTRICT 6430 RED PRAIRIE RD SHERIDAN OR 97378 <a href="#">(details)</a>	G12608	G13521					NC
BUELL RED PRAIRIE WATER DISTRICT 6430 RED PRAIRIE RD SHERIDAN OR 97378 <a href="#">(details)</a>	R71755	R12221					NC
BUELL RED PRAIRIE WATER DISTRICT 6430 RED PRAIRIE RD SHERIDAN OR 97378 <a href="#">(details)</a>	S66101	S51165					NC
BUELL RED PRAIRIE WATER DISTRICT 6430 RED PRAIRIE RD SHERIDAN OR 97378 <a href="#">(details)</a>	S71756	S53238					NC

Page:1

Download [Place of Use Data](#), [Point of Diversion Data](#), or [Owner Data](#)

[Return to the Water Right Information search screen](#)

*Paul R. Cleary, Director*  
 Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax:  
 (503)378-2496

# Water Rights Information Query Results

<u>Name</u>	<u>Application</u>	<u>Permit</u>	<u>Certificate</u>	<u>Decree</u>	<u>Claim</u>	<u>Transfer</u>
PERRYDALE DOMESTIC WATER ASSOCIATION 11475 W PERRYDALE ROAD AMITY OR 97101 ( <a href="#">details</a> )	G11913	G10986				
PERRYDALE DOMESTIC WATER ASSOCIATION 11475 W PERRYDALE ROAD AMITY OR 97101 ( <a href="#">details</a> )	G11935	G10987				
PERRYDALE DOMESTIC WATER ASSOCIATION 11475 W PERRYDALE RD AMITY OR 97101 ( <a href="#">details</a> )	G13929	G12721				

Page:1

Download [Place of Use Data](#), [Point of Diversion Data](#), or [Owner Data](#)

[Return to the Water Right Information search screen](#)

*Paul R. Cleary, Director*  
Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax:  
(503)378-2496

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate 0  
*Reiner LLC*

Application G 13929  
Priority date 12/28/1994

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**

APR 17 2003

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-1 or "I" from application  
 Well ID (number on tag attached to casing, if present): L-02881  
 Well log startcard number (if listed on well log): 95433  
 Well depth: 190 feet Casing diameter: 8"  
 Date drilled: 11-13-96 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. ?

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 31, 2003

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/2 side port

Static water level above / below (circle one) measuring point: 48.35 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above / below (circle one) land surface: 0.85 feet, or airline length \_\_\_\_\_ feet  
 Static water level above / below (circle one) land surface: 47.50 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static  Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: Since 11-01-02  
 Calculation / comments (show all work; use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate 0  
Remer -001 6001

Application G 13929  
Priority date 12/28/1994

ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101

APR 17 2003

MEASUREMENT REPORTING FORM

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
Owner's well name or number (if any): R-3 "R" from Application  
Well ID (number on tag attached to casing, if present): L-02874  
Well log startcard number (if listed on well log): 95432  
Well depth: 30 Casing diameter: 8"  
Date drilled: 10-28-96 Driller: Floyd S. Appel

When did water use begin under this permit from this well? Date: Month/Yr. ?

Show all water rights listing this well:

Application number(s): G 13929  
Permit number(s): G 12721  
Certificate number(s): \_\_\_\_\_

Date of measurement: March 31, 2003

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/2" side port

Static water level below (circle one) measuring point: 18 25 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above / below (circle one) land surface: 1 05 feet, or airline length \_\_\_\_\_ feet

Static water level below (circle one) land surface: 17.20 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
Water-level status when measured: Static  Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
Length of time well was idle before measurement: off since 7-2-02  
Calculation / comments (show all work; use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
Signature of measurer: Corby Boatwright  
Company: Boatwright Engineering Inc  
License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. Return this Form to 158 12th St. NE, Salem, OR 97310-4172.

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit **G 12721** Certificate **0**  
*Reimer - use of well*

Application **G 13929**  
Priority date **12/28/1994**

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**

APR 17 1999

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-4 Application Number "C"  
 Well ID (number on tag attached to casing, if present): L-10461  
 Well log startcard number (if listed on well log): 99322  
 Well depth: 140' Casing diameter: 8"  
 Date drilled: 5-12-97 Driller: Floyd S. Ppelt

When did water use begin under this permit from this well? Date: Month/Yr. ?

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: \_\_\_\_\_

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4 side port

Static water level below (circle one) measuring point: 9.80 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above (circle one) land surface: 1.05 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 8.75 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static  Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: off since 12-11-00  
 Calculation / comments (show all work; use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate 0  
*Revised - Oct 2003*

Application G 13929  
Priority date 12/28/1994

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**

APR 17 2003

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R 6 *8" from Application map*  
 Well ID (number on tag attached to casing, if present): L 41319  
 Well log startcard number (if listed on well log): 127294  
 Well depth: 226 Casing diameter: 8 with 6" lined  
 Date drilled: 6-10-00 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. Not used yet

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 31, 2003

Description of measuring point (e.g. 1 1/4" port pipe on north side): Top of well head open cap needs to be welded back on

Static water level below (circle one) measuring point: 77.87 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above / below (circle one) land surface: 1.62 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 76.25 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static  Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_

Length of time well was idle before measurement: \_\_\_\_\_

Calculation / comments (show all work; use back or extra sheet if necessary):  
Concrete slab with No Building No Piping or Power to this site yet

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump-Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit **G 12721** Certificate **0**  
*Revised 2003*

Application **G 13929**  
Priority date **12/28/1994**

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**

*17*

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-7 *"Q" from Application map*  
 Well ID (number on tag attached to casing, if present): L 41334  
 Well log startcard number (if listed on well log): 125976  
 Well depth: 305 feet Casing diameter: 8" - 6" Liner  
 Date drilled: 8-30-00 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. April 2003 *system fully running today after measurement*

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 31 2003

Description of measuring point (e.g. 1 1/4" port pipe on north side): Note USE 3/4" vent pipe port *★*  
*Not. 1 1/2" side port see below*

Static water level below (circle one) measuring point: 158.85 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above (circle one) land surface: 1.05 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 157.80 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static  Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: \_\_\_\_\_

Calculation / comments (show all work; use back or extra sheet if necessary): The size of liner and wire makes it hard to send E tape down sideport Pump installer installed a 1" PVC Pipe below vent port

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corby Boatwright  
 Signature of measurer: Corby Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us> OWRD 02/12/2001 GW/RCK

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit **G 12721** Certificate **0**  
*Remer well field*

Application **G 13929**  
Priority date **12/28/1994**

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**

APR 17 2003

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-9 0' from Application map  
 Well ID (number on tag attached to casing, if present): L 41331  
 Well log startcard number (if listed on well log): 127310  
 Well depth: 258 Feet Casing diameter: 8"  
 Date drilled: 6-22-00 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. 2001

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 31, 2003

Description of measuring point (e.g. 1 1/4" port pipe on north side): 3/4 Vent port on top of well head

Static water level below (circle one) measuring point: 16.70 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above (circle one) land surface: 2.04 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 14.66 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static  Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: 2 day  
 Calculation / comments (show all work; use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us> OWRD 02/12/2001 GW/RCK

# 2001

Oregon Water Resources Department  
 October 2001 through September 2002  
 Annual Water Use - Monthly Quantities Form

USER-ID 16269

# 2002



APPS

G 11935  
4461

G 11913

G 13929

24166 GM

46102 GM

46104 GM

46096 GM

Facility POD-ID	#2 Well Standby permit #G10987	#4 Well permit #G10986	#R1 Well permit #G12721	#R3 Well permit #G12721	#R4 Well permit #G12721
October - 2001	0	1,212,100	0	0	0
November - 2001	0	1,060,100	299,910	0	0
December - 2001	0	921,500	0	0	0
January - 2002	0	1,041,400	0	0	0
February - 2002	213,400	1,077,400	0	0	0
March - 2002	0	580,600	0	10	0
April - 2002	0	0	670	10	0
May - 2002	0	2,700	0	0	0
June - 2002	0	1,200	160	0	0
July - 2002	0	0	496,400	0	0
August - 2002	0	1,544,400	1,270,090	0	0
September - 2002	0	1,505,700	1,156,340	0	0
TOTAL *	213,400	8,947,100	3,223,570	20	0

DEC 27 2002  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

RECEIVED

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
 Signature Title

Perrydale Dom. Water Assoc.  
 Reporting Entity

12/26/02  
 Date

Ray Hobson  
 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
 158 12<sup>th</sup> Street NE; Salem, OR 97310-0210



# OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT



Dear Water User: It is a new water year! All water use reports for October 2001 to September 2002 are requested to be submitted by January 1, 2003. This information is important for water management in Oregon. Please complete the form on the reverse side for the water rights listed below. If you have questions, or need more time please, contact me at 503-378-8455 ext. 333. Thank you for your attention to this matter. Mary Grainey

RAY HOBSON PRESIDENT USER-ID 16269  
PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE ROAD  
AMITY OR 97101

POD-ID	FACILITY	CERT	PERMIT	APPL	PRIORITY	USE	L/S	TWP	RANGE	SEC	Q/Q	RATE	SOURCE	TRIBUTARY TO						
24166		0	G	10986	G	11913	4/24/1989	QM	L	6	S	3	W	32	SWNE	150	G	P	WELL 4	WILLAMETTE R
24167		0	G	10987	G	11935	6/16/1989	QM	L	6	S	3	W	29	SESW	60	G	P	WELL 2A	WILLAMETTE R
46094		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NENE	4	C	P	WELL A	WILLAMETTE R
46095		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NENE	4	C	A	WELL B	WILLAMETTE R
46096	WELL R-4	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NENE	4	C	A	WELL C	WILLAMETTE R
46097		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NENE	4	C	A	WELL D	WILLAMETTE R
46098		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NWNE	4	C	A	WELL E	WILLAMETTE R
46099		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NWNE	4	C	A	WELL F	WILLAMETTE R
46100		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	NWNE	4	C	A	WELL G	WILLAMETTE R
46101	WELL R-2	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	SWNE	4	C	A	WELL H	WILLAMETTE R
46102	WELL R-1	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	SWNE	4	C	A	WELL I	WILLAMETTE R
46103		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	SWNE	4	C	A	WELL J	WILLAMETTE R
46104	WELL R-3	0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	SENE	4	C	A	WELL K	WILLAMETTE R
46105		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	SENE	4	C	A	WELL L	WILLAMETTE R
46106		0	G	12721	G	13929	12/28/1994	QM	L	7	S	5	W	17	SENE	4	C	A	WELL M	WILLAMETTE R

USER-ID 16269

# 2001

Oregon Water Resources Department  
 October 2001 through September 2002  
 Annual Water Use - Monthly Quantities Form

USER-ID 16269

# 2002



G 13929 46108 GM

Facility <input type="checkbox"/> POD-ID <input type="checkbox"/>	#R9 Well permit #G12721				
October - 2001	3,521,600				
November - 2001	2,762,200				
December - 2001	2,108,300				
January - 2002	2,655,700				
February - 2002	3,750,800				
March - 2002	1,736,370				
April - 2002	1,416,000				
May - 2002	2,987,700				
June - 2002	3,189,500				
July - 2002	4,158,700				
August - 2002	4,095,900				
September - 2002	3,585,400				
TOTAL *	35,968,170				

RECEIVED  
 DEC 27 2002  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated \_\_\_\_\_

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson President

Perrydale Dom. Water Assoc.  
Reporting Entity

12/26/02  
Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
 158 12<sup>th</sup> Street NE; Salem, OR 97310-0210

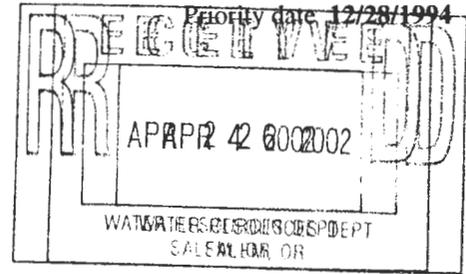
**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit **G 12721**

Certificate **0**

Application **G 13929**

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**



If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. **Consult your permit to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements.** We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

**Well Identification** (provide as much of the following information as possible):

Well not yet drilled as of date: \_\_\_\_\_  
 Original owner on well log: Perrydale Domestic Water Assoc.  
 Well ID # (on tag attached to casing): L Startcard number (if listed on well log): 99322  
 Well depth: 140' Casing diameter: 8" Date drilled: 5-12-97  
 Owner's well name: R-4 Appl No "C" Drilled by: Floyd S. Appel

**When did water use begin under this permit from this well? Date: Month/Yr** ?

**Show all water rights listing this well:**

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

**Measurement Details:** Date of measurement: March 26, 2002

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4" side port

Static water level below (circle one) measuring point: 12.00 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above / below (circle one) land surface: 1.1 feet, or airline length \_\_\_\_\_ feet

Static water level below (circle one) land surface: 10.9 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static  Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: \_\_\_\_\_

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 267. **Return this Form to: OWRD, Ground Water/Hydrology Section, 158 12th St. NE, Salem, OR 97310-4172.**

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>

OWRD 02/08/2002

GW/KCW

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

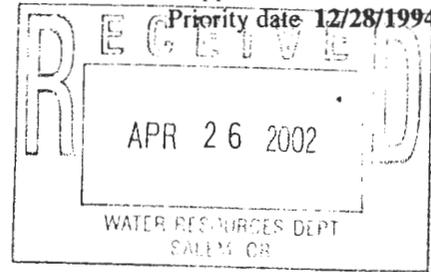
RE: Required Water-Use Impact Plan on Permit **G 12721**

Certificate **0**

Application **G 13929**

Priority date **12/28/1994**

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**



If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. **Consult your permit to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements.** We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

**Well Identification** (provide as much of the following information as possible):

Well not yet drilled as of date: \_\_\_\_\_  
 Original owner on well log: Perrydale Domestic Water Assoc  
 Well ID # (on tag attached to casing): L 02881 Startcard number (if listed on well log): 95433  
 Well depth: 170 feet Casing diameter: 8" Date drilled: 11-13-96  
 Owner's well name: R-1 Appl No "I" Drilled by: Floyd Sippel

**When did water use begin under this permit from this well? Date: Month/Yr** ?

**Show all water rights listing this well:**

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

**Measurement Details:**

Date of measurement: March 26, 2002

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4" side port

Static water level below (circle one) measuring point: 43.2 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above (circle one) land surface: 0.7 feet, or airline length \_\_\_\_\_ feet

Static water level below (circle one) land surface: 42.5' feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static  Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: July 30, 2001

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 267.

**Return this Form to: OWRD, Ground Water/Hydrology Section, 158 12th St. NE, Salem, OR 97310-4172.**

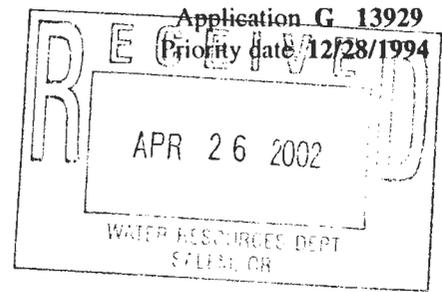
Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>

OWRD 02/08/2002

GW/KCW

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit **G 12721** Certificate **0**



**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. **Consult your permit to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements.** We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

**MEASUREMENT REPORTING FORM**  
(Complete one form for each well that requires measurement under your plan)

**Well Identification** (provide as much of the following information as possible):

Well not yet drilled as of date: \_\_\_\_\_  
 Original owner on well log: Perrydale Domestic Water Assoc  
 Well ID # (on tag attached to casing): L 02874 Startcard number (if listed on well log): 95432  
 Well depth: 30 Casing diameter: 8" Date drilled: 10-28-96  
 Owner's well name: R-3 Appl No "K" Drilled by: Floyd Sippel

**When did water use begin under this permit from this well? Date: Month/Yr** \_\_\_\_\_ ?

**Show all water rights listing this well:**

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

**Measurement Details:** Date of measurement: March 26, 2002

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4" side port

Static water level below (circle one) measuring point: 14.3 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above / below (circle one) land surface: 1.1 feet, or airline length \_\_\_\_\_ feet

Static water level above / below (circle one) land surface: 13.2 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static  Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: Since Aug 21 2001

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 267.  
**Return this Form to: OWRD, Ground Water/Hydrology Section, 158 12th St. NE, Salem, OR 97310-4172.**

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>

OWRD 02/08/2002

GW/KCW

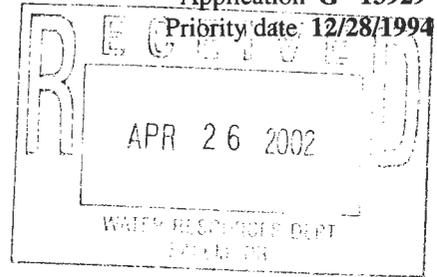
**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit **G 12721**

Certificate **0**

Application **G 13929**

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**



If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. **Consult your permit to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements.** We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

**Well Identification** (provide as much of the following information as possible):

Well not yet drilled as of date: \_\_\_\_\_  
 Original owner on well log: Perrydale Domestic Water Assoc  
 Well ID # (on tag attached to casing): L 41331 Startcard number (if listed on well log): 127310  
 Well depth: 258 feet Casing diameter: 8" Date drilled: 6-22-00  
 Owner's well name: R-9 Appl No 0" Drilled by: Floyd Sippel

**When did water use begin under this permit from this well? Date: Month/Yr** \_\_\_\_\_ 2001

**Show all water rights listing this well:**

Application number(s): G 13929 \_\_\_\_\_  
 Permit number(s): G 12721 \_\_\_\_\_  
 Certificate number(s): \_\_\_\_\_

**Measurement Details:** \_\_\_\_\_ **Date of measurement:** March 26, 2002

Description of measuring point (e.g. 1 1/4" port pipe on north side): 3/4" Port on Top of casing

Static water level below (circle one) measuring point: 11.8 feet, or airline pressure \_\_\_\_\_ psi

Measuring point distance above (circle one) land surface: 2.05 feet, or airline length \_\_\_\_\_ feet

Static water level above (circle one) land surface: 9.8 feet

Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_

Water-level status when measured: Static  Pumping \_\_\_\_\_ Rising \_\_\_\_\_ Flowing \_\_\_\_\_ Other \_\_\_\_\_

Length of time well was idle before measurement: 11 day

Comments (use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright

Signature of measurer: Corbey Boatwright

Company: Boatwright Engineering Inc

License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208

Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 267.  
**Return this Form to: OWRD, Ground Water/Hydrology Section, 158 12th St. NE, Salem, OR 97310-4172.**

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>

OWRD 02/08/2002

GW/KCW

Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	QM	G	479070	403510	692820	915270	1133540	1024220	713230	294140	482310	568420	505610	1945730

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46103	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL J	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46104	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL K	WILLAMETTE R

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	QM	G	1632230	1201340	998190	402520	329340	414940	775500	1234880	1520480	940550	1053730	1372340

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
46105	G 12721	0	12/28/1994	7S	5W	17	QM	4 C	A	WELL L	WILLAMETTE R

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twنشp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
										WELL	WILLAMETTE

**Oregon Water Resources Department  
Water Rights Division**

Water Right Permit Extension Application  
for Permit Number G 12721

Water Right Application Number G 13929

**Proposed Final Order**

**Please read this Proposed Final Order in it's entirety, it contains additional conditions, not included in the original permit.**

This Proposed Final Order applies only to permit number G 12721.

**Summary of Recommendation**

The Department proposes to:

- grant the extension for complete construction of the water system from October 1, 1998 to October 1, 2060, and
- grant the extension for complete application of water from October 1, 1999 to October 1, 2060.

**Application History**

Permit no. G 12721 was granted by the Water Resources Department on AUGUST 28, 1996. The permit authorizes use of 4.0 CFS of water from EIGHTEEN WELLS for QUASI-MUNICIPAL in the WILLAMETTE RIVER basin. It specified that construction must be completed by October 1, 1998, and water applied to full beneficial use by October 1, 1999. A copy of permit no. G 12721 is attached.

On OCTOBER 1, 1999, the Department received an application from PERRYDALE DOMESTIC WATER ASSOCIATION for an extension of time to complete construction and to apply water to full beneficial use. The applicant has requested until October 1, 2060 to complete construction of the water system and until October 1, 2060 to apply water to full beneficial use. This is the first permit extension request.

**Findings of Fact**

ORS 537.230(2) and 537.630 (1) allows the Department to grant an extension of time to perfect a water right for good cause. In evaluating good cause, the Department has considered the written record in the permit application file in relation to the requirements

Note:  
Prepaid  
MUST CC PFO to:  
Carla J. Cudmore  
14860 Orchard Knob RD  
Dallas OR 97338

DSM

check

1/2012

Blu

of ORS 537.230(2), ORS 537.630 (1) and ORS 539.010(5) and makes the following findings.

1. The applicant is legally entitled to apply for an extension on this permit.
2. The applicant has submitted a completed permit extension form and the required fee.
3. The water project development made to date has been accomplished in accordance with the terms and conditions contained in the permit.
4. Progress in perfecting the permit requires more time to perfect than the time limit in the permit allows. This is a community water supply project with plans to serve 998 services by the year 2010, 1478 services by 2020, 1878 services by 2030, 2128 services by 2040, 2378 services by 2050 and 3000 services by 2060. The amount of water system built and funds spent indicates the planned water use is reasonable.
5. The applicant has pursued perfection of the right in good faith and with reasonable diligence.
  - a) Work on the water development project completed to date includes construction of 3 wells, pumps, reservoir and pipelines. 0.24 CFS have been applied.
  - b) The applicant has invested approximately \$ 450,000 of an estimated total water system project cost of \$ 1,450,000.
  - c) The work remaining to be completed consists of the remaining construction of the water delivery system and complete application of water.
6. Based on the written record, the Department finds there is good cause to approve the extension request. The applicant has pursued perfection of the right in good faith and with reasonable diligence.
7. Due to the reasons outlined above in item 4 and the water development progress to date, the Department finds that the length of time requested for completion of construction and the length of time requested for completion of the application of water should be extended to October 1, 2060 as requested by the applicant.

#### **Conclusions of Law**

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.230, and ORS 537.630.
2. The applicant has submitted an extension application form and the fee required by ORS 536.050(1)(L).
3. The applicant has pursued perfection of the right in good faith and prosecuted construction with reasonable diligence.
4. The applicant has shown good cause for the untimely completion of the water development project and complete application of water to full beneficial use

pursuant to ORS 537.230(2), and ORS 537.630 (1).

5. The permit extension should be approved until October 1, 2060 to complete construction and until October 1, 2060 to complete the application of water.

### **Conditions**

The permittee must submit a written progress report to the Department by October 1, of the years 2004, 2009, 2014, 2019, 2024, 2029, 2034, 2039, 2044, 2049, 2054 and 2059. The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:

- a) The amount of construction completed;
- b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
- c) A review of the permittee's compliance with terms and conditions of the permit and/or previous extension; and
- d) Financial investments made toward developing the beneficial water use.

The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

***Failure to submit a progress report by the due date above will result in cancellation of the undeveloped portion of the permit*** by the Department pursuant to ORS 537.260 or 537.410 to 537.450. Within one year after cancellation, the permittee must submit a final proof survey pursuant to ORS 537.230 and 537.250. The Department will take into consideration annual reports submitted under OAR 690, Division 86 or ORS 537.099, and any other report that demonstrates diligence. Other reports, however, are not a substitute for the progress reports and anything submitted must clearly show that diligence towards perfection of the water right permit is being attempted.

If the Department finds that diligence is questionable, the Department may:

- a) request the permittee to submit additional information with which to evaluate diligence; or
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider information submitted to the Department by the permittee and any information submitted

during the 30-day public comment period following public notice of submittal of the progress report.

If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

**Recommendation**

The Department proposes to issue an order to:  
extend the permit time to complete construction from October 1, 1998 to October 1, 2060 and  
extend the permit time to complete application of water from October 1, 1999 to October 1, 2060.

DATED: ~~May 2, 2000~~

*Needs more review*  
*DWF*  
\_\_\_\_\_  
Dwight French  
Water Rights Section Manager

*If you have any questions,  
please check the information  
box on the last page for the  
appropriate names and  
phone numbers.*

**Protest Rights and Comments**

1. Under the provisions of OAR 690-320-0010(8) you have the right to protest this proposed final order. Your protest must be in writing and must include the following:
  - a) Your name, address and telephone number;
  - b) Your interest in this proposed final order, and if you claim to represent the public interest, a precise statement of the public interest represented;
  - c) A detailed description of how the action in the proposed final order would impair or be detrimental to your interest;
  - d) A detailed description of how the proposed final order is in error or deficient and how to correct the alleged error or deficiency;
  - e) Any citation of legal authority supporting your protest, if known; and
  - f) The \$25 protest fee required under ORS 536.050 (1)(j).
2. Each person submitting a protest shall raise all reasonably ascertainable issues and all reasonably available arguments supporting the person's position by the close of the comment period.
3. The Water Resources Department must receive written protests or written comments no later than **JUNE 16, 2000**.
4. After the close of the comment and protest period, the Director will either issue a final order, or schedule a contested case hearing if the Director finds there are

significant disputes related to the use of water.

**This document was prepared by Dallas Miller. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me toll free within Oregon at 1-800-624-3199 extension 272. Outside of Oregon you can dial 1-503-378-8455.**

**If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Brendalee Wilson. Her extension number is 276.**

**If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97310, Fax: (503)378-2496.**

**DRAFT** 11-7-2001

320 Rules

**Oregon Water Resources Department  
Water Rights Division**

**Application for Extension of Time**

In the Matter of the Application )  
for an Extension of Time for )  
Permit #G-12721, Water Right ) PROPOSED FINAL ORDER  
Application #G-13929 )  
(Perrydale Domestic Water Assoc.) )

<b>Permit Information</b>	
<b><u>Application File #G-13929 / Permit #G-12721</u></b>	
Basin: #2 - Willamette / Watermaster District: #16	
Date of Priority: December 28, 1994	
<b><u>Authorized Use of Water</u></b>	
Source of Water:	Eighteen Wells in the Willamette River Basin
Purpose or Use:	Quasi-Municipal Use
Maximum Rate:	4.0 cubic foot per second (cfs)
Period of Use:	Year Round

**Summary of Proposed Final Order for Extension of Time**

*Please read this Proposed Final Order in its entirety as it contains additional conditions not included in the original permit.*

**This Extension of Time request is being processed in accordance with Oregon Administrative Rule 690-320.**

This Proposed Final Order applies only to Permit #G-12721, water right Application #G-13929. A copy of Permit #G-12721 is enclosed as Attachment 1.

Draft

**The Department proposes to:**

- **grant** the extension for complete construction of the water system from October 1, 1998, to October 1, **2060**;
- **grant** the extension for complete application of water from October 1, 1999, to October 1, **2060**.

**FINDINGS OF FACT AND CONCLUSIONS OF LAW**

**Historical Background**

1. On December 28, 1994, the Perrydale Domestic Water Association, submitted Application #G-13929 to the Water Resources Department (WRD). The application proposed to use up to 4.0 cubic foot per second (cfs) of water from eighteen wells within the Willamette River Basin for Quasi-Municipal purposes.
2. On August 28, 1996, the Director issued Permit #G-12721. It specified that construction of the water development project should be completed by October 1, 1998, and that complete application of water was to be made on or before October 1, 1999.
3. The permit holder submitted an "Application for Extension of Time" to the Department on October 1, 1999, requesting the time in which to complete construction of the water system be extended from October 1, 1998, to October 1, 2060, and the time in which to accomplish beneficial use of water to the full extent under the terms of Permit #G-12721 be extended from October 1, 1999, to October 1, 2060. This is the first permit extension requested for Permit #G-12721.
4. The wells authorized under Permit #G-12721 are located outside the designated boundaries of the Eola Hills Ground Water Limited Area.

**Development Overview**

5. The Perrydale Domestic Water Association began using water from three wells for Quasi-Municipal purposes in the summer of 1999. The intent has been to gradually increase the quantity of water appropriated from these wells in order to monitor the potential impact, if any, to surrounding wells.

{ More info needed here. Page 2 of 9

*Draft*

**Review Criteria [OAR 690-320-0010(6)]**

6. As set forth under OAR 690-320-0010(6), the time limits to complete construction or to apply the water to a beneficial use may be extended upon showing of good cause for the untimely completion. This determination shall consider the requirements of ORS 537.230, 537.248<sup>1</sup>, 537.630 and 539.010(5).

**Other Governmental Requirements [ORS 537.230(2)]**

7. Based upon information provided by the permit holder, delay in the development of this project was not caused by any other governmental requirements.

**Start of Construction [ORS 537.630]**

8. The applicant demonstrated that construction of the wells and water system began within the time specified in the permit, being August 28, 1997. As of October 1, 1999, the work completed consists of complete construction of three wells equipped with flow meters, the installation of a 53,000 gallon reservoir, the installation of 4,800 lineal feet of 14-inch pipe, 1,080 lineal feet of 10-inch pipe, 9,730 lineal feet of 8-inch pipe, 1,130 lineal feet of 6-inch pipe and 360 lineal feet of 4-inch pipe, and the addition of twenty new service connections, as evidenced by documentation of work contained in the file.

**Financial Investment [ORS 539.010(5)]**

9. As of October 1, 1999, the permit holder had invested a total of \$450,000.00 into the project, consisting of the preparation of engineering plans for 1999 construction work, the construction of three wells equipped with flow meters, the installation of a 53,000 gallon reservoir, the installation of 4800 lineal feet of 14-inch pipe, 1080 lineal feet of 10-inch pipe, 9730 lineal feet of 8-inch pipe, 1130 lineal feet of 6-inch pipe and 360 lineal feet of 4-inch pipe, and the addition of twenty new service connections. An additional \$1,000,000.00 investment is anticipated for the completion of this project.

---

<sup>1</sup> ORS 537.248 applies to reservoir permits only.

Draft

**Reasonable Diligence and Good Faith of the Appropriator [ORS 537.230(1) and 539.010(5)]**

10. Reasonable diligence during the permit period constitutes a continuing test of whether and under what conditions to grant an extension [ORS 537.260, OAR 690-320-010(9)].
11. On or prior to October 1, 1999, the following had occurred: three wells were constructed and equipped with flow meters, a 53,000 gallon reservoir was installed, 4,800 lineal feet of 14-inch pipe, 1,080 lineal feet of 10-inch pipe, 9,730 lineal feet of 8-inch pipe, 1,130 lineal feet of 6-inch pipe and 360 lineal feet of 4-inch pipe was installed, and twenty new service connections were added to the system.
12. Delay of full beneficial use of water was due, in part, because of the size and scope of the project. This is a community water supply project and, in order to allow for long-term growth, the original intent was to phase the project in over a period longer than the time-frames allowed in the permit.

**The Market and Present Demands for Water [ORS 539.010(5)]**

13. Currently, there are many competing needs for the waters of the Willamette Basin. The high need for water is expected to continue in this basin.
14. Since this permit was issued, the Department has determined that the ground water resource may be unable to sustain the permitted quantity of water being appropriated from these wells.....???????????
15. SWL declines???
16. Impact on surrounding wells???

**Fair Return Upon Investment [ORS 539.010(5)]**

17. According to the Perrydale Domestic Water Association, the water use rates charged to its customers result in fair and reasonable returns on their investment in the project.

Draft

**Duration of Extension** [OAR 690-320-0010(7), ORS 539.010(5)]

18. As set forth under OAR 690-320-0010(7), time extensions granted shall be for the reasonable time period necessary to complete construction and application of water to beneficial use.
19. The permit holder states in the request for extension of time that the application of water to beneficial use can be completed by October 1, 2060.
20. As of October 1, 1999, the work yet to be completed consists of construction of the remaining fifteen permitted wells, completion of the water distribution system, and complete application of water to beneficial use.
21. The permit holder stated in the application for extension that the scope and nature of the project extended the length of time needed to fully develop and perfect the permit, caused mainly by the necessary long-term growth needs associated with developing a community water supply.

**Conclusions of Law**

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.230 and ORS 537.630.
2. The applicant has submitted an extension application form and the fee required by ORS 536.050(1)(L).
3. The applicant has pursued perfection of the right in good faith and prosecuted construction with reasonable diligence.
4. The Department has considered the requirements of other governmental agencies, the financial investment made, the reasonable diligence and good faith of the appropriator, the market and present demands for water and the fair return upon the investment, and has determined that the applicant has shown good cause for the untimely completion of the water development project and complete application of water to full beneficial use pursuant to ORS 537.230(2) and ORS 537.630(1).

*Draft*

5. *Given the amount of development left to occur, the Department has determined that the permittee's request to have until October 1, \*\*\*\*, to complete the application of water to beneficial use under the terms of Permit #G-12721 is both reasonable and necessary.*
6. Pursuant to ORS 537.230(3), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use.

### **Recommendation**

Based upon the foregoing findings of fact and conclusions of law, the Department proposes to issue an order to:

Extend the time to complete construction of the water system under Permit #G-13929 from October 1, \*\*\*\*, to October 1, \*\*\*\*; and

Extend the time for complete application of water to beneficial use under Permit #G-13929 from October 1, \*\*\*\*, to October 1, \*\*\*\*.

DATED: \*\*\*\*\*, 2001

*If you have any questions,  
please check the information  
box on the last page for the  
appropriate names and  
phone numbers.*

\_\_\_\_\_  
Dwight French  
Water Rights Section Manager

### **Protest Rights and Comments**

1. Under the provisions of OAR 690-320-0010(8), you have the right to protest this proposed final order. Your protest must be in writing and must include the following:
  - a. Your name, mailing address and telephone number;
  - b. Your interest in this proposed final order, and if you claim to represent



- the public interest, a precise statement of the public interest represented;
- c. A detailed description of how the action in the proposed final order would impair or be detrimental to your interest;
  - d. A detailed description of how the proposed final order is in error or deficient and how to correct the alleged error or deficiency;
  - e. Any citation of legal authority supporting your protest, if known; and
  - f. The \$25 protest fee required under ORS 536.050(1)(j).
2. Each person submitting a protest shall raise all reasonably ascertainable issues and all reasonably available arguments supporting the person's position by the close of the comment period.
3. The Water Resources Department must receive written protests or written comments no later than **Friday, \*\*\*\*\*, 2001.** (Protest Deadline 45 days)
4. After the close of the comment and protest period, the Director will either issue a final order, or schedule a contested case hearing if the Director finds there are significant disputes related to the use of water.

**If you have other questions about the Department, or any of its programs, please contact our Water Rights Information Group at (503) 387-8455, extension 201. Address all other correspondence to:**

**Water Rights Section  
Oregon Water Resources Department  
158 12<sup>th</sup> Street NE  
Salem, OR 97301-4172  
Fax #: (503) 378-2496**

**This document was prepared by Lisa J. Juul. If you have any questions about any of the statements contained in this document, I am most likely the best person to answer your questions. You may contact me by telephone at (503) 378-8455, extension 272.**

**If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Dwight French. His extension number is 268.**

**If you have other questions about the Department or any of its programs, please contact our Water Rights Information Group at extension 201.**

# Mailing List for Extension PFO Copies

---

---

**Application #G-13929**  
**Permit #G-12721**

**PFO Date: \*\*\*\*\* , 2001**

**Original mailed to:**

**Applicant: Perrydale Domestic Water Association**  
**11475 West Perrydale Road**  
**Amity, Oregon 97101**

<b>Copies Mailed</b>
<b>By:</b> _____ (SUPPORT STAFF)
<b>on:</b> _____ (DATE)

**For Extension PFO's - Copies sent to:**

1. WRD - Appl. File #G-13929 / Permit #G-12721
2. WRD - Watermaster District: #16 - Bill Ferber, Salem
3. WRD - Ground Water Section: Fred Lissner, Salem
4. WRD - Regional Liaison: NWR - Bill Fujii, Salem

**Other interested parties:**

5. Boatwright Engineering, Inc.  
2613 12<sup>th</sup> Street SE  
Salem, Oregon 97302
6. Haugeberg, Rueter, Stone Gowell & Fredricks, P.C.  
Attn: Mr. Walter Gowell  
PO Box 480  
McMinnville, Oregon 97128
7. Carla Cudmore  
14860 Orchard Knob Road  
Dallas, Oregon 97338

**CASEWORKER: LJJ**

S:\groups\wr\extensions\pfo\work\g13929\_new format.wpd



# Oregon

John A. Kitzhaber, M.D., Governor

## Water Resources Department

Commerce Building  
158 12th Street NE  
Salem, OR 97301-4172  
(503) 378-3739  
FAX (503) 378-8130

December 20, 2001

Walter R. Gowell  
PO Box 480  
McMinville OR 97128

Re: Perrydale Domestic Water Association  
Permit No. G012721 Extension Request

Dear Mr. Gowell:

Thank you for taking the time to draft a proposal that will allow Perrydale Domestic Water Association and the Water Resources Department to gather data over the next couple of years in an effort to make a well informed decision on the pending water right permit extension request.

The Department agrees with your proposal with the following added provisions:

1. The Department reserves the right to proceed with the processing of the pending extension request at any time.
2. If an extension is ultimately approved, the Department is likely to include condition(s) which will limit the annual and or monthly volumetric pumping rate.

Please call us to arrange a meeting in the fall of 2003 so we can discuss the data collected and makes plans for continued processing of the extension. If you have any concerns or questions, please give me a call.

Sincerely,

Meg Reeves  
Deputy Director

cc: Fred Lissner, Groundwater Section Manager  
Dwight French, Water Rights Section Manager  
Marc Norton, Groundwater Section



RECEIVED

NOV 20 2001

WATER RESOURCES DEPT.  
SALEM, OREGON

## Perrydale Domestic Water Association

11475 West Perrydale Rd., Amity, OR 97101, phone (503) 835-7221

November 14, 2001

Ms. Meg R. Reeves  
Deputy Director  
Oregon Department of Water Resources  
Commerce Building  
158 12<sup>th</sup> Street, N.E.  
Salem, Oregon 97301-4172

Dear Deputy Director Reeves:

I appreciated the opportunity to visit with yourself and your various staff members this past week concerning Perrydale Water Association's Reimer Road well field. As you are aware, based on the initial permit issued by the Department, and early well flow test results, the Association has invested heavily in it's Reimer road facility. It is important to the Association's 650 members that a methodical and through approach be taken to determine the long term production capability of the wells, and that permit limitations ultimately imposed on the facility be appropriate, and based on an adequate period of study and production experience.

The Board appreciates your willingness to seek an appropriate method for leveling off the Reimer Road facility's annual withdrawal until additional recovery rate information becomes available after the March 2002 and March 2003 static water level tests are taken. The annual withdrawal rate through the Departments most recent testing date (ie October 31, 2001) are as follows:

	<u>10/30/2000</u>	<u>10/30/2001</u>	<u>2000-2001 Period</u>
Well No. 1	16,871,600	34,375,400	17,503,800
Well No. 3	13,458,100	13,461,160	3,060
Well No. 4	403,050	433,170	30,120
Well No. 9	0	24,159,700	24,159,700
Total 10-30-00 to 10-30-01 withdrawal was			41,696,680

Copies of the detailed logs for each of these four wells are attached to this letter for your information.

By voluntary agreement between the Department and the Association verified by letter dated November 8, 2000, the Association previously agreed to defer the drilling of any additional wells at Reimer Road. A copy of that correspondence is enclosed. The Association's Board has authorized myself by Letter Agreement, to extend the voluntary agreement previously entered into with the Department until October 31, of 2003, and to further agree to voluntarily limit withdrawals from all of the Associations Reimer Road wells to a total withdrawal annual rate of 41,696,680 gallons per year through October 31, 2003.

In return, the Department will continue its cooperation with the Association to gather annual recharge data during March of 2002 and 2003 to better define the production potential of the Reimer Road well field, and will then determine, after consultation with the Association, what action the Department will take on the Associations pending extension request.

The Association will remain free to make its annual withdrawal from wells 1,3,4,6,7, or 9 in any combination so as to gather additional information concerning the operating characteristics and differences between the six wells, provided that the combined withdrawal from of the wells does not exceed 41,696,680 gallons.

Finally, the Board has requested that the Department permit the voluntary annual withdrawal limit to be exceeded if staff hydrologists believe, based on interim data gathered, that any of the wells is drawing upon a different alluvium or aquifer, or has different and greater recharge characteristics than the balance of the wells. Such flexibility will preserve the Association's maximum ability to test the capabilities of various wells during the study period.

Finally, as previously, the Association's willingness to voluntarily forbear in further well drilling or higher withdrawals within its permit limitations, will not be considered by the Department to be or used as evidence for any assertion that the Association has not shown the diligence required of permit holders to carry out development under the permit.

Very Truly Yours,

Perrydale Domestic Water Association

By:   
President

X-Sender: frenchdw@mailhub.wrd.state.or.us  
X-Mailer: QUALCOMM Windows Eudora Version 5.1  
Date: Mon, 22 Oct 2001 14:56:56 -0700  
To: Marc Norton <Marc.A.NORTON@wrđ.state.or.us>  
From: Dwight W French <Dwight.W.FRENCH@wrđ.state.or.us>  
Subject: Re: Perrydale Domestic Water Assoc. Extension request  
Cc: lisa J Juul <Lisa.J.JUUL@wrđ.state.or.us>

Lisa and I will attend. (Lisa- locate the file # and file and let's discuss at one of our ext meetings.)

I am not surprised that your recommendation might be a no in this situation - given what I know about water levels and the situation out there.

Dwight

At 01:47 PM 10/22/2001, you wrote:

Dwight,

On November 6th, at 10:00am in Room A, representatives from Perrydale Domestic Water Assoc. will be here to discuss their request for an extension. Paul, Fred and I are meeting with them. Would you, or someone from your staff be available for a discussion.

We are leaning toward saying no. Water levels indicate that they will trigger their decline condition this year. Additional time would be for what?

Let me know who will be attending.

Thanks

Marc

=====  
Dwight French  
Water Rights Section Manager, Water Rights Division  
Oregon Water Resources Department  
158 12th ST NE, Salem Oregon 97301-1724  
Phone: 503 378-8455 x268  
Fax: 503 378-6203

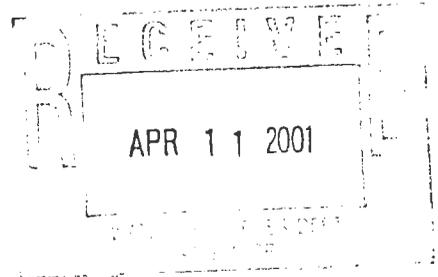
Ext. Database  
G 11935 (Permit G 10987) ..... extended to 2017 (B & C)  
FO dated  
\*G 13929 (Permit G 12721).....  
\*info in database doesn't match info in file.

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate 0  
Reimer well field

Application G 13929  
Priority date 12/28/1994

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**



**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc.  
 Owner's well name or number (if any): RI Appl No 'I'  
 Well ID (number on tag attached to casing, if present): L 02881  
 Well log startcard number (if listed on well log): 95433  
 Well depth: 190' Casing diameter: 8 inch  
 Date drilled: 11-13-96 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. \_\_\_\_\_

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 30, 2001

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1'4" side port

Static water level below (circle one) measuring point: 46.1 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above / below (circle one) land surface: 0.7 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 45.4 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static \_\_\_\_\_ Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: off 10 min  
 Calculation / comments (show all work; use back or extra sheet if necessary): 46.1 - .7 = 45.4

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

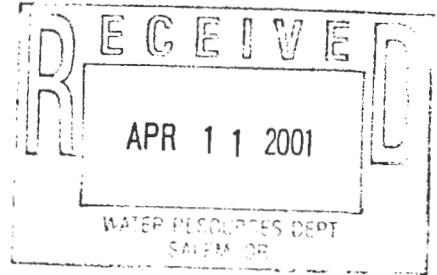
If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. Return this Form to 158 12th St. NE, Salem, OR 97310-4172.

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate, 0  
*Reimer well field*

Application G 13929  
Priority date 12/28/1994

ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101



**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-9 Appl No "0"  
 Well ID (number on tag attached to casing, if present): L 41331  
 Well log startcard number (if listed on well log): 127310  
 Well depth: 258 feet Casing diameter: 8 inch  
 Date drilled: 6-22-00 Driller: Floyd Sappel

When did water use begin under this permit from this well? Date: Month/Yr. New well power not hooked up yet

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 30, 2001

Description of measuring point (e.g. 1 1/4" port pipe on north side): 3/4 port on top of casing

Static water level below (circle one) measuring point: 13.4 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above (circle one) land surface: 2.05 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 11.3 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static \_\_\_\_\_ Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: New well not in production yet  
 Calculation / comments (show all work; use back or extra sheet if necessary): 13.4 - 2.05 = 11.3

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

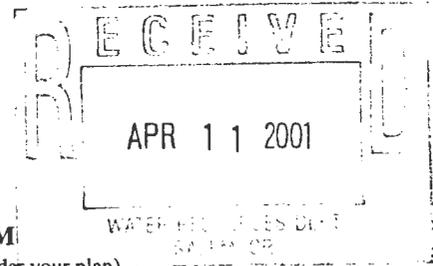
If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. Return this Form to 158 12th St. NE, Salem, OR 97310-4172.

# Oregon Water Resources Department WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate 0  
Reimer well field

Application G 13929  
Priority date 12/28/1994

**ELLEN HOBSON**  
**SECRETARY**  
**PERRYDALE DOMESTIC WATER ASSOC**  
**9185 PERRYDALE ROAD**  
**AMITY OR 97101**



## MEASUREMENT REPORTING FORM

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-4 Appl No "C"  
 Well ID (number on tag attached to casing, if present): None  
 Well log startcard number (if listed on well log): 99322  
 Well depth: 140' Casing diameter: 8 inch was 6 inch start card 86246  
 Date drilled: 5-12-97 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. ?

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 30, 2001

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4" side port

Static water level below (circle one) measuring point: 13.6 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance above (circle one) land surface: 1.1 feet, or airline length \_\_\_\_\_ feet  
 Static water level below (circle one) land surface: 12.5 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static \_\_\_\_\_ Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_  
 Length of time well was idle before measurement: off Jan 15, 2001 ran for 4 hr March 14, 2001  
 Calculation / comments (show all work; use back or extra sheet if necessary): \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

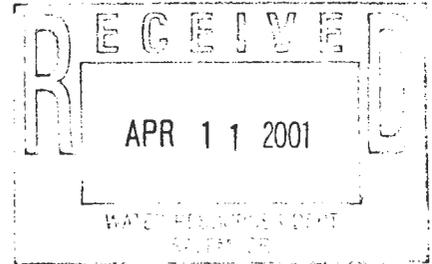
If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503-378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

**Oregon Water Resources Department  
WATER-USE IMPACT PLAN REPORTING**

RE: Required Water-Use Impact Plan on Permit G 12721 Certificate, 0  
*Reimer well field*

Application G 13929  
Priority date 12/28/1994

**ELLEN HOBSON  
SECRETARY  
PERRYDALE DOMESTIC WATER ASSOC  
9185 PERRYDALE ROAD  
AMITY OR 97101**



**MEASUREMENT REPORTING FORM**

(Complete one form for each well that requires measurement under your plan)

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit and your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

Well Identification (provide as much of the following information as possible):

Original owner of well (owner name on well log): Perrydale Domestic Water Assoc  
 Owner's well name or number (if any): R-3 Appl. No. "K"  
 Well ID (number on tag attached to casing, if present): L 02074  
 Well log startcard number (if listed on well log): 95432  
 Well depth: 30 feet Casing diameter: 8 inch  
 Date drilled: 10-28-96 Driller: Floyd Sippel

When did water use begin under this permit from this well? Date: Month/Yr. ?

Show all water rights listing this well:

Application number(s): G 13929  
 Permit number(s): G 12721  
 Certificate number(s): \_\_\_\_\_

Date of measurement: March 30, 2001

Description of measuring point (e.g. 1 1/4" port pipe on north side): 1 1/4" side port

Static water level ~~above~~ below (circle one) measuring point: 14.7 feet, or airline pressure \_\_\_\_\_ psi  
 Measuring point distance ~~above~~ below (circle one) land surface: 1.1 feet, or airline length \_\_\_\_\_ feet  
 Static water level ~~above~~ below (circle one) land surface: 13.6 feet  
 Shut-in pressure (if flowing artesian well): \_\_\_\_\_ psi

Method of measurement: E-tape  Airline \_\_\_\_\_ Other(specify): \_\_\_\_\_  
 Water-level status when measured: Static \_\_\_\_\_ Pumping \_\_\_\_\_ Recovering \_\_\_\_\_ Flowing \_\_\_\_\_

Length of time well was idle before measurement: 3 week

Calculation / comments (show all work; use back or extra sheet if necessary): 14.7 - 1.1 = 13.6

This was originally Artesian

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Corbey Boatwright  
 Signature of measurer: Corbey Boatwright  
 Company: Boatwright Engineering Inc  
 License number (CWRE, RG, PE, WWC, Pump Installer): CWRE 208  
 Daytime phone number: 503-363-9225 Email address: \_\_\_\_\_

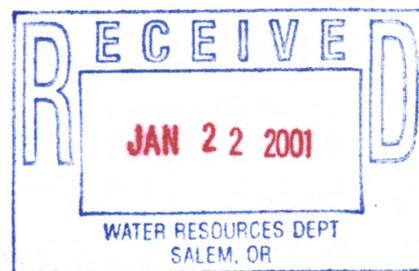
If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. **Return this Form to 158 12th St. NE, Salem, OR 97310-4172.**

**PERRYDALE DOMESTIC WATER ASSOCIATION**

Application G-13929 Permit G- 12721  
Reimer Road Well Field Identification Information

Well Log No.	Start Card	Well Tag ID No.	Perrydale Identity No. (R = Reimer)	Closest POD Letter from Application Map
Polk 50226	95433	L-2881	R-1	I
Polk 50228	95431	L-2875	R-2	H
Polk 50227	95432	L-2874	R-3	K
Polk 50365	99322	L-10461	R-4	C
Polk 51165	127294	L-41319	R-6	R
Polk 51208	125976	L-41334	R-7	Q
Polk 51170	127310	L-41331	R-9	O

Prepared by: Boatwright Engineering, Inc.  
January 18, 2001





# Oregon

John A. Kitzhaber, M.D., Governor

## Water Resources Department

Commerce Building  
158 12th Street NE  
Salem, OR 97301-4172  
(503) 378-3739  
FAX (503) 378-8130

November 14, 2000

Haugeberg, Rueter, Stone, Gowell & Fredricks, P.C.

Attn: Walter Gowell

P O box 480

620 East Fifth St

McMinnville, OR 97128-0480

RE: Perrydale Domestic Water Association

Walter

I am in receipt of your letter regarding Perrydale Domestic Water Association.

Once again, the agreement to defer any further well drilling until after June 30, 2001 will in no way be considered a lack of diligence on the part of the permit holder.

We appreciate PDWA's cooperation in this matter. If you have any questions, please do not hesitate to contact me.

Very truly yours,

Brendalee S. Wilson

Special Projects Coordinator/Policy Analyst

Water Rights Division

503-378-8455/1-800-624-3199 ext276



**HAUGEBERG, RUETER, STONE, GOWELL & FREDRICKS, P.C.**

FORMERLY  
MARSH, MARSH, HAUGEBERG & RUETER, P.C.  
EST. 1860

DAVID C. HAUGEBERG  
GARY A. RUETER  
RONALD W. STONE  
WALTER R. GOWELL  
DOUGLAS S. FREDRICKS  
ROBERT G. HIGGINS  
JOHN N. McKEEGAN

ATTORNEYS AT LAW  
620 EAST FIFTH STREET  
McMINNVILLE, OREGON

MAILING ADDRESS  
POST OFFICE BOX 480  
McMINNVILLE, OREGON 97128  
TELEPHONE: (503) 472-5141  
FAX: (503) 472-4713

November 8, 2000

**RECEIVED**

NOV 13 2000

WATER RESOURCES DEPT  
SALEM, OREGON

Ms. Brendalee Wilson  
Special Project Coordinator  
Oregon Department of Water Resources  
Commerce Building  
158 12th Street N.E.  
Salem, OR 97301-4172

Re: Perrydale Domestic Water Association / Permit No. G-12721 Extension Request

Dear Ms. Wilson:

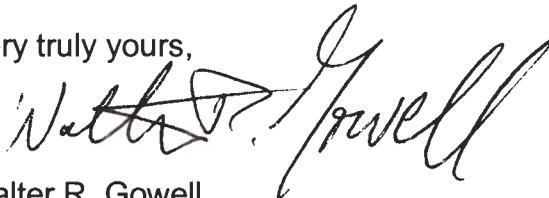
Following up on our conversation of earlier this week, as you are aware, this office is legal counsel for the Perrydale Domestic Water Association. I have conferred with the Association's President regarding the Department's request that Perrydale Domestic Water Association defer the drilling of any additional wells pursuant to the above referenced permit until June 30, 2001 so that the Department can obtain additional static water level readings for the Perrydale wells and nearby private wells during March of 2001.

As I indicated to you verbally, the Association is agreeable to deferring any further well drilling activities and will confine its activities to completing plumbing, well house construction, wiring and other appurtenant improvements to wells that have already been drilled prior to this date until June 30, 2001.

This agreement by Perrydale to defer any further well drilling is contingent and subject to our understanding that the Association's voluntary forbearance in this regard will not be considered by the Department or be allowed to be introduced as evidence of a lack of diligence on the part of the permit holder to carry out development under the permit.

Please let me know if this written confirmation of our verbal discussion raises any questions in your mind regarding this understanding.

Very truly yours,



Walter R. Gowell  
Legal Counsel for  
Perrydale Domestic Water Association

WRG/bw

cc: Mr. Ray Hobson  
Perrydale Domestic Water Ass'n.



# Oregon

John A. Kitzhaber, M.D., Governor

*Beundalee*

## Water Resources Department

Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

November 3, 2000

John Elegant  
15015 Orchard Knob Rd.  
Dallas, OR 97338

RE: Permit G12721, File G13929  
Perrydale Domestic Water Association (PDWA)

Dear Mr. Elegant:

I apologize for the late response to your letter of June 7, 2000, in which you voiced several concerns over Permit G12721. I hope the following information will be helpful to you.

Concern 1: That the public notice was deficient in that it did not provide proper notification to the adjacent and/or affected landowners.

The Department's guidelines for public notice are set forth in ORS 537.130(4) and OAR Chapter 690 Division 310. The Department complied with the requirements set forth under the statute and the rule in its publication for notice of permit application G13929 and encouraged "public participation and comment." No comments were received. The Department considers its publication of the notice for permit application G13929 appropriate and within the requirements of the law.

Concern 2: That the permit required submission of a monitoring plan by August 28, 1997, to monitor and report the impact of water use under the permit on water levels within the aquifer and that the plan was not submitted until January 2000.

Although the plan was not submitted until January 2000, measurement, recording, and reporting were already occurring as required under the permit. For instance, the monitoring plan was to include a program to periodically measure static water level measurements. Such static water level measurements were being taken prior to the submission of the plan and are continuing to be taken by the Department. Further, the PDWA's wells are metered and records of the amount of water used each month is being recorded.

Concerns 3 and 4: That the withdrawal of water under the permit may impact off-site wells in the aquifer and that more studies and protective measures may be necessary.

As you know, the Department has received an application for an extension of time under ORS 537.230. The Department feels, however, that more information is required prior to making a

decision on the extension application. Therefore, the Department and the PDWA have entered into an agreement by which the Department will wait until April 2001 before issuing a Proposed Final Order on their extension request. This will give the Department sufficient time to gather the additional information required to determine the impacts of the water withdrawal under the permit. During this time, the PDWA has agreed to hold off any further development of its permit until the Department has had a chance to review the information gathered next April.

Concern 5: That the original application, and the Department's subsequent review, analysis, and approval, was for gravel mining, not the current use.

Although the original application contemplated a joint venture with the Fowler Quarry site, significant health concerns were identified with the quarry water withdrawal, and it was not allowed. The permit explicitly prohibits the use of quarry water for PDWA's use in a permit condition that reads: "Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations." In short, the Department's review and analysis did consider the mining process, but the permit clearly states that mining in conjunction with the water withdrawal under the permit shall not be allowed.

I understand the concerns the adjacent landowners have over the possible impacts of further ground water withdrawal on the aquifer. The permit contains a provision to protect against substantial interference with senior water rights. The information the Department is gathering is essential to determine whether or not substantial senior water right interference is occurring, and, if so, is being caused by the PDWA's withdrawal. Therefore, we hope you understand our decision to wait until April 2001 while we gather more information on the PDWA's water use in order to make an informed and appropriate decision on the permit extension request.

If you have any additional questions, please feel free to contact Dwight French at 503-378-8455, ext. 268, or Brendalee Wilson at ext. 276. Thank you for your interest and thoughts in this matter.

Sincerely,



Paul R. Cleary  
Director

c: Carla Cudmore



OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT



Reporting  
Entity

RAY  
HOBSON  
PRESIDENT  
PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE ROAD  
AMITY , OR

97101 PHONE: 5038357221

USER\_ID: 16269

POD_ID	FACILITY	CERT	PERMIT	APPLN	L/S	PRIORITY	TWP	T	RGE	R	SEC	Q/Q	USE	RATE	U	P/A/S	SOURCE	TRIBUTARYTO
24166		0	G 10986	G 11913	L	04/24/1989	6.00	S	3.00		32	SWNE	QM	150	G	P	WELL 4	WILLAMETTE R
24167		0	G 10987	G 11935	L	06/16/1989	6.00	S	3.00		29	SESW	QM	60	G	P	WELL 2A	WILLAMETTE R
46094		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NENE	QM	4	C	P	WELL A	WILLAMETTE R
46095		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NENE	QM	4	C	A	WELL B	WILLAMETTE R
46096		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NENE	QM	4	C	A	WELL C	WILLAMETTE R
46097		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NENE	QM	4	C	A	WELL D	WILLAMETTE R
46098		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NWNE	QM	4	C	A	WELL E	WILLAMETTE R
46099		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NWNE	QM	4	C	A	WELL F	WILLAMETTE R
46100		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NWNE	QM	4	C	A	WELL G	WILLAMETTE R
46101		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SWNE	QM	4	C	A	WELL H	WILLAMETTE R
46102		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SWNE	QM	4	C	A	WELL I	WILLAMETTE R
46103		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SWNE	QM	4	C	A	WELL J	WILLAMETTE R
46104		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SENE	QM	4	C	A	WELL K	WILLAMETTE R
46105		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SENE	QM	4	C	A	WELL L	WILLAMETTE R
46106		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SENE	QM	4	C	A	WELL M	WILLAMETTE R
46107		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	SENE	QM	4	C	A	WELL N	WILLAMETTE R
46108		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NESE	QM	4	C	A	WELL O	WILLAMETTE R
46109		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NESE	QM	4	C	A	WELL P	WILLAMETTE R
46110		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NWSE	QM	4	C	A	WELL Q	WILLAMETTE R
46111		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NWSE	QM	4	C	A	WELL R	WILLAMETTE R



OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER USE

Reporting  
Entity

RAY HOBSON, PRESIDENT  
 PERRYDALE DOMESTIC WATER ASSOCIATION  
 11475 W PERRYDALE ROAD  
 AMITY, OR 97101 PHONE: 5038357221

POD_ID	WY	U	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
24166	1994	G	1,889,300.00	3,612,100.00	1,233,500.00	0.00	80,200.00	29,000.00	52,200.00	204,500.00
24166	1998	G	1,774,600.00	1,745,300.00	967,700.00	0.00	0.00	0.00	0.00	0.00
24167	1994		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24167	1998	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25152	1994		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25153	1994		3,055,100.00	2,615,000.00	2,631,400.00	4,135,000.00	3,941,400.00	3,651,100.00	3,964,700.00	4,534,400.00



16269  
USER-RECEIVED



Oregon Water Resources Department  
October 1999 through September 2000  
Annual Water Use - Monthly Quantities Form

DEC 22 2000

WATER RESOURCES DEPT.  
SALEM, OREGON

G 11913  
24166 DM

G 11935  
24167 DM

G 13929  
46102 →

46096

Facility <input type="checkbox"/> POD-ID <input type="checkbox"/>	#2 Well Standby Permit #G10987	# 4 Well Permit #G10987	R1 Permit #G12721	R3 Permit #G12721	R4 ? Permit #G12721
October - 1999	0	2,605,300	479,070	1,632,230	11,000
November - 1999	0	1,252,700	403,510	1,201,340	54,680
December - 1999	0	2,060,400	692,820	998,190	9,820
January - 2000	0	1,116,300	915,270	402,520	1,190
February - 2000	0	1,321,400	1,133,540	329,340	0
March - 2000	0	1,269,400	1,024,220	414,940	11,850
April - 2000	0	161,200	713,230	775,500	340
May - 2000	0	0	294,140	1,234,880	46,180
June - 2000	0	1,519,800	482,310	1,520,480	0
July - 2000	0	2,035,700	568,420	940,550	42,700
August - 2000	0	2,289,800	505,610	1,053,730	30,490
September - 2000	0	2,465,200	1,945,730	1,372,340	29,750
TOTAL *	0	18,097,200	9,157,870	11,876,040	238,000

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Gallons. If use is irrigation, total number acres irrigated NA

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson                      President                      Perrydale Dom. Water Assn.                      12/21/00  
Signature                                      Title                                      Reporting Entity                                      Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resource: Department; Water Use Reporting Program;  
158 12<sup>th</sup> Street NE; Salem, OR 97310-0210

MEMORANDUM

TO: *Brendalee Wilson*  
FROM: Diane Addicott  
RE: Correspondence Contact # *569*

Today's date: *10-18* Draft due: *ASAP*

Request for review of correspondence to addressed to:

Governor Kitzhaber                  Paul R. Cleary                  Paula Burgess

Please prepare a draft response to the attached correspondence to go out under

- The Governor's signature.
- Paul's signature.
- Paula's signature.

*☆* and place that response in the "Addicott" exchange for minor changes, indicating on the draft the name of the document. *☆*

Particulars for signature blocks-

Paul R. Cleary  
Director

OR John A. Kitzhaber, M.D.

PRC: (your initials) (letter id #)

JAK: (your initials) (letter id #)

OR

Paula Burgess  
Assistant for Natural Resources

PB: (your initials) (letter ID#)"

And as per usual, letters addressed to the Governor  
"On behalf of the Governor..."

M:LTRLOG  
7/12/00

*Brendalee -*  
*Please draft a response to the June 7 letter addressing each of the four items/concerns for my sig. The sooner the better.* *[Signature]*



State of Oregon  
**Water Resources Department**  
158 12<sup>th</sup> Street NE  
Salem, OR 97310  
(503)378-8455

---

---

## INTER-OFFICE MEMO

DATE: October 11, 2000

TO: Paul Cleary  
Director

CC: Dwight French

FROM: Brendalee Wilson  
Water Rights Division

RE: Perrydale Domestic Water Association

Paul:

On June 7, 2000, I received a letter from John Elegant and Carla Cudmore, who represent a group of over 30 residents surrounding the Perrydale Domestic Water Association's (PDWA) well field. They requested we deny the extension request submitted by the PDWA.

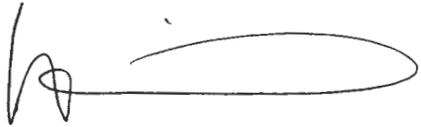
The letter alleged, among other things, that the permit was approved without proper notification to adjacent landowners; that the monitoring plan was inadequate and was not protecting senior water rights; and that the PDWA is engaging in an activity not allowed or contemplated by the permit.

I informed Mr. Elegant and Ms. Cudmore in June that we would be gathering more information on the PDWA's application and would process the extension request when we had enough information to do so. I informed them that if we chose to approve the request, they could then submit a formal protest of the Proposed Final Order and that I would personally inform them of the Department's decision when a PFO was issued. Mr. Elegant said he would await the PFO.

In the interim, an internal meeting was held and it was determined that the notice issue was moot and would not be investigated further. It appears, however, that studies are still going on with regards to the groundwater situation there. Marc Norton was cc:d on the letter and has been working on this situation.

I have spoken with Fred Lissner and Bill Ferber on this issue. I plan on speaking with Marc Norton tomorrow to determine to what extent, if any, his recent research can shed some light on the concerns raised by the landowner group.

I told Mr. Elegant that I would contact him as soon as I found something out and tell him how and when we were planning to proceed with the review of the extension request. If you need any further information, I should have more information after talking with Marc tomorrow.

A handwritten signature in black ink, appearing to be 'Brendalee Wilson', with a long horizontal flourish extending to the right.

Brendalee Wilson  
Water Rights Division

Groundwater limited area

Brendalee Wilson, Special Project Coordinator  
Oregon Department of Water Resources  
158 12th Street NE  
Salem, OR 97301

June 7, 2000  
① Applied for gravel extractors  
not quasi-municipal?

**RE: PERMIT G-12721, FILE G-13929  
PERRYDALE DOMESTIC WATER ASSOCIATION**

Dear Ms. Brendalee Wilson:

We represent a group of over 30 residents surrounding the Perrydale Domestic Water Association well field listed in the above referenced permit. During our recent permit file review we noted several items that we respectfully request be formally reviewed by your organization.

Item 1 - Public Notice Requirements — *Proof that we published?*

ODWR's request to place the original public notice, to be run in the Polk County Itemizer Observer, if it was formally placed in the paper, was as stated below:

*The Oregon Water Resources Department is evaluating the request by Perrydale Domestic Water Association (PDWA) to use 1795.2 gallons per minute of groundwater for Quasi-municipal purposes. The proposed place of use is located within the Perrydale Domestic Water Association service area within Polk County. This process is to determine if the request is in compliance with state water laws and regulations. Public participation and comment is encouraged.*

**CONCERN:** The vast majority of the adjacent landowners to the well field site are not within the Perrydale Domestic Water Associate service area and thus the legal sufficiency and accuracy requirements of "public notice" has not been met. Specifically, those of us who are in the same aquifer as the PDWA/Fowler well-site property, but not in the area "located within the Perrydale Domestic Water Association service area" the notice did not apply. It is therefore our assessment that the required public notice process was never fulfilled by ODWR.

Item 2 - Permit Condition B of Permit G-12721

Permit condition B, approved Aug. 28, 1996, states "The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued..."

**CONCERNS:**

1. The permit was approved on August 28, 1996; the one year limit thus requires that the monitoring plan be done by August 28, 1997. The first

draft of the monitoring plan was not turned in until January 26, 2000, almost 2½ years late (no extensions were filed). At this point permit revocation should have occurred due to non-compliance with the ODWR permit conditions.

2. The first copy of the monitoring plan was submitted to ODWR on January 26, 2000, the next draft was date stamped at ODWR on February 3, 2000 and Michael Zwart approved the plan on February 4, 2000. We note that each of these events occurred after members of our group began calling ODWR, including conversing with Mr. Bill Fuji and Mr. William Ferber during the week of January 17, 2000 expressing our concerns over the PDWA well field. Additionally, our group also sent Ms. Martha Pagel a formal letter of concern dated January 24, 2000.

3. The monitoring plan as stated above is to "...report the impact of water use under this permit on water levels within the aquifer..." we feel the approved monitoring plan does not report the impact of the aquifer because:

- ▶ the extent of the aquifer affected is not known
- ▶ monitoring only wells in the lowest portion/elevation of the aquifer (Perrydale Domestic Water Association wells) cannot determine the affect of the well field in the upper elevations of the aquifer.

We feel that a totally inadequate monitoring plan was approved only after we began voicing our concerns with the project.

### Item 3 - ODWR Staff Recommendations - Marc Norton

In a January 22, 1996 staff memo from Marc Norton the following statements were made:

"None of the basalt wells produce very much water. It is very unlikely that the basalts could produce 1800 GPM. Any large development would have a major impact on the groundwater resources." Further in the memo Mr. Norton makes recommendations as to conditions for the permit. He recommends "Condition 7C required annual water level measurements and sets decline limits that would allow the Department to regulate to protect existing users." (This was later changed to condition 7A which is even more restrictive.)

**CONCERN:** The approved monitoring plan (February 4, 2000) only requires monitoring of the on site wells at the lowest extent of the aquifer, not any of the off site wells in the uppers reaches of the aquifer, even though ODWR staff hydrologists makes specific note of the **major impact** 1800 gpm withdrawal would have on the aquifer.

Item 4 - Fowler Quarry Site Report prepared by EGR and Associates, Inc, June 1995.

The EGR and Associates study is the only geological/hydrological study of the site that was done prior to the approval of the 18 wells for the Perrydale Domestic Water Association. The report states "The purpose of the study is to determine the general extent of basalt on the Fowler property and surrounding parcels, and the impact the quarry might have on existing and potential water supplies in the area." The purpose of this report was not to study the potential impact to existing users of the groundwater resource by the withdrawal of 1800 gallons per minute. No study to this effect has been completed. In the report, sections titled "Impacts of Off-site Water Users" and "Summary" Mr. Christianson (Geologist/Author) made several pertinent statements including:

"Wells are the only source of water to off-site home owners surrounding the subject property. It is reasonable for these home owners to be concerned that an excavation will have an effect upon the groundwater resource on which they rely for water supply. This is particularly true in an area where water resources are already acknowledged as scarce."

"Testing of well levels prior to excavation and regularly during the excavation process should be instituted to protect the quarry from charges of lowering water table when those lower water result from the overuse of the well by the well owner; and to protect well owners who are truly damaged by the basalt excavations."

"The site appears to have economically viable quantities of basalt rock reserves, though more careful testing will be required to assess the actual most feasible methods of extraction, water utilization (and protection for surrounding users) and the most economical method of utilization."

In EGR and Associates report, page 6, regarding water balance recovery, "...If 20 million gallons a year can be recovered... then approximately 40 gpm could be safely recovered."

**CONCERN:** Mr. Christianson warned of possible off-site water problems in response to a mining operation, not even taking into consideration the removal of 1800 gallons per minute of water from the site. How does the approval for 1800 gpm reconcile with Christianson's assessment that only 40 gpm could be safely recovered from the site? He suggested that more studies and protective measures for the off site wells be implemented.

Both the geologist for the Perrydale Domestic Water Association and ODWR staff warned of possible off site impacts, yet the only requirement in the permit is that "If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period

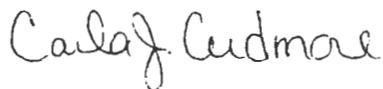
of years, as compared to the reference level, then the water user shall discontinue use of..." This only applies to the on site wells, which are located at the lowest point in the aquifer and does not include the up gradient senior water right wells within the same aquifer or aquifers fed by the principal aquifer.

In summary, we feel that the Permit G-12721 was approved without proper notification to the adjacent and/or affected landowners. We also feel that only after affected landowners began voicing concerns that ODWR quickly approved an inadequate monitoring plan, one which does not safeguard the senior water-right users within the aquifer. Additionally we are concerned that the original application, and ODWR's subsequent review, analysis and approval, was for gravel mining, not the more water-intensive commercial water drilling and exporting that is now occurring.

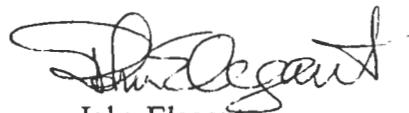
For all these reasons, we request that in order to remedy this situation ODWR 1) immediately apply a permanent permit condition to permit # G 12721, that the 25 foot drawdown currently specified for on site wells also continuously apply to all offsite wells located within the aquifer, and aquifers fed by that aquifer, and that this standard be monitored twice yearly, including once in March and once during September of every year, and, 2) deny the pending PDWA time extension request.

Thank you for consideration of this request. If you would like to further converse with us about these concerns, we would be pleased to personally meet with you. In either case, we request your review and comment on this request within 30 days and that you specifically address each of the four major items we have discussed within this letter.

Sincerely,



Carla J. Cudmore  
14860 Orchard Knob Rd.  
Dallas, OR 97338



John Elegant  
15015 Orchard Knob Rd.  
Dallas, OR 97338

cc: file  
Martha Pagel, Director  
Meg Reeves, Assistant Director  
Dwight French, Manager, Water Rights  
Fred Listner, Manager, Geology/Hydrology  
Marc Norton, Geology/Hydrology



State of Oregon  
**Water Resources Department**  
158 12<sup>th</sup> Street NE  
Salem, OR 97310  
(503)378-8455

---

---

## INTER-OFFICE MEMO

DATE: October 11, 2000

TO: Paul Cleary  
Director

CC: Dwight French

FROM: Brendalee Wilson  
Water Rights Division

RE: Perrydale Domestic Water Association

Paul:

On June 7, 2000, I received a letter from John Elegant and Carla Cudmore, who represent a group of over 30 residents surrounding the Perrydale Domestic Water Association's (PDWA) well field. They requested we deny the extension request submitted by the PDWA.

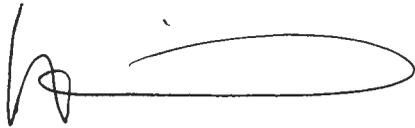
The letter alleged, among other things, that the permit was approved without proper notification to adjacent landowners; that the monitoring plan was inadequate and was not protecting senior water rights; and that the PDWA is engaging in an activity not allowed or contemplated by the permit.

I informed Mr. Elegant and Ms. Cudmore in June that we would be gathering more information on the PDWA's application and would process the extension request when we had enough information to do so. I informed them that if we chose to approve the request, they could then submit a formal protest of the Proposed Final Order and that I would personally inform them of the Department's decision when a PFO was issued. Mr. Elegant said he would await the PFO.

In the interim, an internal meeting was held and it was determined that the notice issue was moot and would not be investigated further. It appears, however, that studies are still going on with regards to the groundwater situation there. Marc Norton was cc:d on the letter and has been working on this situation.

I have spoken with Fred Lissner and Bill Ferber on this issue. I plan on speaking with Marc Norton tomorrow to determine to what extent, if any, his recent research can shed some light on the concerns raised by the landowner group.

I told Mr. Elegant that I would contact him as soon as I found something out and tell him how and when we were planning to proceed with the review of the extension request. If you need any further information, I should have more information after talking with Marc tomorrow.

A handwritten signature in black ink, appearing to read 'Brendalee Wilson', with a long horizontal flourish extending to the right.

Brendalee Wilson  
Water Rights Division

# Mailing List for Extension PFO Copies

Application # 6 13929

PFO Date 5-2-2000

Original mailed to:  
Applicant: Perrydale Domestic Water Assoc

Copies Mailed By: _____ (SUPPORT STAFF) on: _____ (DATE)
--

### For Extension PFO's - Copies sent to:

1. WRD - File # \_\_\_\_\_
2. WRD - Watermaster District #: 16
3. WRD - Regional Manager: NA
4.  ODFW District Biologist: Nancy Leibowitz, Corvallis
5.  DEQ Headquarters - Tom Rosetta
6. \_\_\_\_\_ WRD - John Falk (for reservoir permit extensions only)

### Other interested parties:

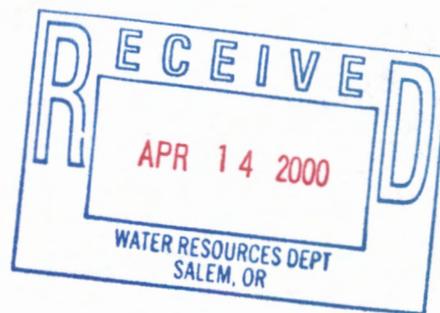
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_

CASEWORKER: \_\_\_\_\_

# PERRYDALE DOMESTIC WATER ASSOCIATION

Application G-13929 Permit G-12721

## TIME EXTENSION TIME LINE



- 2000 598 Services
- to Drill wells R-7, R-10, R-5 and Pump Test.
- 2010 Develop R-7 for production.
- 2004 - Deplete current waiting list of 158 services.
- Assume R-1, R-3, R-4 production at 250 g.p.m. = 240,000 gal/day ÷ 600 = 400 new services
- Total = 998 services
- Monitor R-7, R-10 and R-5 wells.
  
- 2010 Claim of Beneficial Use for Well 2-A.
- to Assume R-7, R-10 and R-5 production at 300 g.p.m. = 288,000 gal/day ÷ 600 = 480 new services
- 2020 Total = 1478 services
  
- 2020 Drill Wells R-11, R -12 and Pump Test.
- to Serve water to Tanglewood (area north of Dallas) = 400 part-time services
- 2030 Total = 1878 services
- Construct new 0.5 to 0.75 million gallon reservoir.
  
- 2030 Develop Wells R-11 and R-12.
- to Monitor all wells in the area.
- 2040 Make land use application with Polk County for 7 remaining wells.
- Assume wells R-1, R-3, R-4, R-5, R-7 and R-10 can run at full capacity, 18 hours/day with no impact.
- Supply water to Buell Red Prairie. Increase in potential part-time users = 250 - 300 services.
- Total = 2128 services
  
- 2040 Drill 3 additional wells.
- to Develop 3 wells.
- 2050 Construct new 0.5 to 0.75 million gallon reservoir.
- Drill 3 new wells.
- Provide more supply to Buell Red Prairie Area = 250 services
- Total = 2378 services
  
- 2050 Drill last well and develop all wells.
- to By 2055, have all wells remaining, monitored for ground water impact.
- 2060 Gather complete 4 years of records. New services = 622 services
- Total = 3000 services
  
- 2060 Proof Survey Application G-13929

Assumption    1)    Pumps to run 18 hours/day = 960 minutes  
                          2)    600 gallons per service per day change to 400 gallons per service per day by 2030.



# Oregon

John A. Kitzhaber, M.D., Governor

## Water Resources Department

Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

### CERTIFIED MAIL Return Receipt Requested

March 14, 2000

PERRYDALE DOMESTIC WATER ASSOCIATION  
C/O CORBEY BOATWRIGHT  
11475 W. PERRYDALE RD  
AMITY, OR 97101

RE: File # G 13929, Permit G 12721

Dear Applicant:

The Department is currently in the process of evaluating your request for an extension on the above referenced permit. However, based upon continued review, the Department has determined that additional information is necessary in order to evaluate your extension request. The following information must be received:

- ▶ A time line to justify an extension of time to the requested date of the year 2060. This could be a projection of the amount of customers served at 10 year intervals. It could be the dates when planned construction of parts of the water system are done.

Please submit this information by **April 14, 2000**. Failure to submit the requested information by this deadline **may** result in the proposed rejection of your extension request.

*If you need to request additional time to submit THE PROJECTED TIME LINE, a written request must be received in the Salem office of the Department by the deadline above. The Department will evaluate timely requests and determine whether or not the request may be granted.*

Should you have any questions regarding your extension request or the required materials listed above, please call me at (503) 378-8455, extension 272, or toll free within Oregon at 1-800-624-3199.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dallas Miller".

Dallas Miller

Name

Senior Water Rights Technician

cc: Watermaster District #16

February 4, 2000

(503) 378-8455 ext. 207

Mr. Walter R. Gowell  
Haugeberg, Rueter, Stone, Gowell & Fredericks, P.C.  
P. O. Box 480  
McMinnville, OR 97128

Re: Permit G-12721, File G-13929: Perrydale Domestic Water Association

Dear Mr. Gowell:

I have reviewed the latest draft water-level measurement plan, dated February 2, 2000, for the above permit. Based on this review, the plan can now be approved.

I look forward to receiving the March 2000 data. Please call me at the above number or toll free at 1-800-624-3199 if you have any questions.

Sincerely,

Michael J. Zwart  
Hydrogeologist

Brenda, I have no record of  
any 2nd letter being sent.  
I drafted one, but never sent it.  
Mike Z  
x207

February 4, 2000

(503) 378-8455 ext. 207

Mr. Walter R. Gowell  
Haugeberg, Rueter, Stone, Gowell & Fredericks, P.C.  
P. O. Box 480  
McMinnville, OR 97128

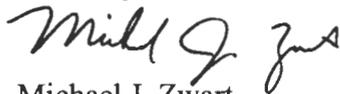
Re: Permit G-12721, File G-13929: Perrydale Domestic Water Association

Dear Mr. Gowell:

I have reviewed the latest draft water-level measurement plan, dated February 2, 2000, for the above permit. Based on this review, the plan can now be approved.

I look forward to receiving the March 2000 data. Please call me at the above number or toll free at 1-800-624-3199 if you have any questions.

Sincerely,



Michael J. Zwart  
Hydrogeologist



**HAUGEBERG, RUETER, STONE, GOWELL & FREDRICKS, P.C.**

FORMERLY  
MARSH, MARSH, HAUGEBERG & RUETER, P.C.  
EST. 1860

DAVID C. HAUGEBERG  
GARY A. RUETER  
RONALD W. STONE  
WALTER R. GOWELL  
DOUGLAS S. FREDRICKS  
ROBERT G. HIGGINS  
JOHN N. McKEEGAN

ATTORNEYS AT LAW  
620 EAST FIFTH STREET  
McMINNVILLE, OREGON

MAILING ADDRESS  
POST OFFICE BOX 480  
McMINNVILLE, OREGON 97128  
TELEPHONE: (503) 472-5141  
FAX: (503) 472-4713

February 2, 2000

Mr. Michael J. Zwart  
Oregon Water Resources Department  
Groundwater/Hydrology Section  
158 12th Street N.E.  
Salem, OR 97310-0210

**RECEIVED**

FEB 03 2000

**WATER RESOURCES DEPT  
SALEM, OREGON**

Re: Perrydale Domestic Water Association Permit No. G-12721, Application G-13929/  
Water Level Measurement Plan

Dear Mr. Zwart:

Thank you for your written comments which you provided to me this morning regarding the requirements of a Water Level Measurement Plan for certain permits. I am hereby submitting for review amended Pages 1 and 2 for the proposed Water Level Measurement Plan for the Perrydale Domestic Water Association's Reimer Road Well Field.

The Association would appreciate your review of the proposed Water Level Measurement Plan and approval thereof if it appears to be in proper order. The Association appreciates your attention to this matter.

Very truly yours,



Walter R. Gowell

WRG/wrg  
Enclosures

f:\law\wrg\perrydal.zwa



PROPOSED WATER LEVEL MEASUREMENT PLAN

PERRY DALE DOMESTIC WATER ASSOCIATION

REIMER ROAD WELL FIELD

APPLICATION NO. G-13929

WATER RIGHT PERMIT NO. G-12721

The Association's Reimer Road wells went into production during 1999. Measurement of production quantities and static water levels commenced at the outset. The Association's proposed plan for continuation of measurements and reporting to the Department of Water Resources is as follows:

1. Annual measurements of all of the wells static water levels will be taken during the month of March.
2. The original reference water levels for the wells currently developed under this permit will be established by measurements made during March of 2000. The reference measurements for subsequent wells developed under this permit will be determined in the first March annual measurement made after completion of such wells.
3. Each well is equipped with airline pressure gauges. The association periodically checks the accuracy of the inline water level gauges with an electronic tape. Annual measurements will be made with electronic tape.
4. The measurement resolution of the Association's water level measurement devices are in feet and tenths of a foot
5. The annual static water level test will be conducted on each well after such well has been idle for not less than 8 hours for Wells No. 3 and 1 and not less than 36 hours for Well No. 4. Idle periods for future wells will be determined based upon the minimum hours of rest required by a well to achieve full recovery during the month of March.
6. The annual static water measurements will be conducted either by the Association's registered Engineer, currently Boatwright Engineering of Salem, or other Association staff trained in the use of the measurement equipment.
7. Annual static water level measurements taken during the month of March shall be provided to the Ground Water and Hydrology Section of the Department on WRD forms and or logs of wells in the format attached

hereto, or as may otherwise directed by the Department. Such readings and forms shall be submitted to the Department not later than May 1 of each year.

Respectfully Submitted



Ray Hobson, President  
Perrydale Domestic Water Association

**HAUGEBERG, RUETER, STONE, GOWELL & FREDRICKS, P.C.**

FORMERLY  
MARSH, MARSH, HAUGEBERG & RUETER, P.C.  
EST. 1860

DAVID C. HAUGEBERG  
GARY A. RUETER  
RONALD W. STONE  
WALTER R. GOWELL  
DOUGLAS S. FREDRICKS  
ROBERT G. HIGGINS  
JOHN N. McKEEGAN

ATTORNEYS AT LAW  
620 EAST FIFTH STREET  
McMINNVILLE, OREGON

MAILING ADDRESS  
POST OFFICE BOX 480  
McMINNVILLE, OREGON 97128  
TELEPHONE: (503) 472-5141  
FAX: (503) 472-4713

January 26, 2000

Mr. Michael J. Zwart  
Oregon Water Resources Department  
Groundwater/Hydrology Section  
158 12th Street N.E.  
Salem, OR 97310-0210

**RECEIVED**  
JAN 27 2000  
WATER RESOURCES DEPT.  
SALEM, OREGON

Re: Perrydale Domestic Water Association Permit No. G-12721, Application G-13929/  
Water Level Measurement Plan

Dear Mr. Zwart:

Thank you for the information letter which you provided to me last week regarding the requirements of a Water Level Measurement Plan for certain permits. As we discussed, Permit #G-12721 does appear to have such a Water Level Measurement Plan requirement, and in accordance with that permit requirement, I am hereby enclosing for your review a copy of the proposed Water Level Measurement Plan for the Perrydale Domestic Water Association's Reimer Road Well Field.

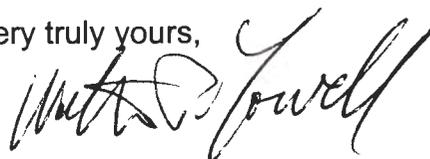
Also submitted is the following supporting information:

1. Well log format currently being used for the three wells at the Reimer Road site.
2. A copy of well logs and 24-hour pump test results which are the basis for the base line static water level figures set out in paragraph 2 of the proposed Water Level Measurement Plan.

It is my further understanding from Ray Hobson that the Association has filed its 1999 report with the Department concerning the use of the three wells on forms supplied by the Department, and so I will not include another copy of that report with this filing.

The Association would appreciate your review of the proposed Water Level Measurement Plan and approval thereof if it appears to be in proper order. If you have any concerns or questions regarding proposed changes to the Plan, I would be happy to visit with you at your earliest convenience.

Very truly yours,



Walter R. Gowell

PROPOSED WATER LEVEL MEASUREMENT PLAN

PERRY DALE DOMESTIC WATER ASSOCIATION

REIMER ROAD WELL FIELD

WATER RIGHT PERMIT NO. G-13929

The Association's Reimer Road wells went into production during 1999. Measurement of production quantities and static water levels commenced at the outset. The Association's proposed plan for continuation of measurements and reporting to the Department of Water Resources is as follows.

1. Water level measurements are taken every several days and are kept by the Association on Monthly Logs. An annual "benchmark" measurement of all of the wells static water levels will be taken during the months of either February or March after a suitable period of non use of each well.
2. The original baseline static water levels for the wells currently developed under this permit are as follows:

Reimer Road Well # 1-----25.5 feet

Reimer Road Well # 3-----14 feet

Reimer Road Well # 4-----37.3 feet

3. Each well is equipped with airline pressure transducers. The association periodically checks the accuracy of the inline water level gauges with an electronic probe.
4. The measurement resolution of the Association's water level measurement devices are in feet and tenths of a foot
5. The annual benchmark static water level test will be conducted on each well after such well has been idle for not less than 8 hours for Wells No. 3 and 1 and not less than 36 hours for Well No. 4.
6. The weekly water level measurements are conducted by the Association's staff with occasional measurements taken by the Associations registered Engineer throughout the year. The annual benchmark static water measurements will be conducted by the Association's registered Engineer, currently Boatwright Engineering of Salem, Oregon.

7. The annual reporting of benchmark water level measurements and additional information have been submitted for 1999, and will continue to be provided to the Department on WRD forms and well logs in the format attached hereto, or as may otherwise directed by the Department.

Respectfully Submitted



Ray Hobson, President  
Perrydale Domestic Water Association

PROPOSED WATER LEVEL MEASUREMENT PLAN

PERRY DALE DOMESTIC WATER ASSOCIATION

REIMER ROAD WELL FIELD

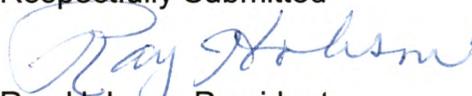
WATER RIGHT PERMIT NO. G-13929

The Association's Reimer Road wells went into production during 1999. Measurement of production quantities and static water levels commenced at the outset. The Association's proposed plan for continuation of measurements and reporting to the Department of Water Resources is as follows.

1. Water level measurements are taken every several days and are kept by the Association on Monthly Logs. An annual "benchmark" measurement of all of the wells static water levels will be taken during the months of either February or March after a suitable period of non use of each well.
2. The original baseline static water levels for the wells currently developed under this permit are as follows:
  - Reimer Road Well # 1-----25.5 feet
  - Reimer Road Well # 3-----14 feet
  - Reimer Road Well # 4-----37.3 feet
3. Each well is equipped with airline pressure transducers. The association periodically checks the accuracy of the inline water level gauges with an electronic probe.
4. The measurement resolution of the Association's water level measurement devices are in feet and tenths of a foot
5. The annual benchmark static water level test will be conducted on each well after such well has been idle for not less than 8 hours for Wells No. 3 and 1 and not less than 36 hours for Well No. 4.
6. The weekly water level measurements are conducted by the Association's staff with occasional measurements taken by the Associations registered Engineer throughout the year. The annual benchmark static water measurements will be conducted by the Association's registered Engineer, currently Boatwright Engineering of Salem, Oregon.

7. The annual reporting of benchmark water level measurements and additional information have been submitted for 1999, and will continue to be provided to the Department on WRD forms and well logs in the format attached hereto, or as may otherwise directed by the Department.

Respectfully Submitted



Ray Hobson, President  
Perrydale Domestic Water Association

Reimer Road / Fowler 8" Production / observation well #2

L02874

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

(START CARD) # 095432

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

(1) OWNER: Well Number \_\_\_\_\_  
Name Perrydale Domestic Water Assoc.  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

(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 30 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds	
Diameter	From	To	Material	From	To		
14	0	18	Cement	0			
10	18	23			23	20+ bent.	
8	23	30					

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: 8 in	12	23	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) None used

(7) PERFORATIONS/SCREENS:

Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
		N/A				<input type="checkbox"/>	<input type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailor	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
70	14		4 hr.

Temperature of water 53 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-3 N or S Range 5-W E. or W. WM.  
Section 17 SE 1/4 NE 1/4  
Tax Lot 100 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 2315 Reimer Rd. Dallas OR. 97308

(10) STATIC WATER LEVEL:  
\_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
Artesian pressure 1 lb. per square inch. Date 10-28-96

(11) WATER BEARING ZONES:  
Depth at which water was first found 26 ft.

From	To	Estimated Flow Rate	SWL
26	30	70+	12.5

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
large broken basalt	0	3	
Black basalt	3	6	
Broken black basalt	6	13	
Hard black basalt	13	20	
Hard gray claystone	20	21	
Hard black basalt	21	25	
Hard gray claystone	25	26	
Hard black basalt with fractured seams	26	28	
Void - broken black basalt with claystone and quartz very loose lots of water	28	30	

Date started 10-17-96 Completed 10-28-96

(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.  
Signed [Signature] WWC Number 1629  
Date \_\_\_\_\_

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
[Signature] WWC Number 1275

**Sippel Well Drilling, Inc.**  
**7195 Lawnridge Street NE**  
**Keizer, Oregon 97303**  
**(503) 390-2841**

**Perrydale Domestic Water Association**  
**4-Hour Pump Test**  
**8" Observation Well**

<u>Date</u>	<u>Time</u>	<u>GPM</u>	<u>Water Level</u>	<u>Remarks</u>
11-7-96	10:00 A.M.		(+2 ft.)	
	10:15		14 ft.	- Start Pump
	10:30	70	14 ft.	Test
	11:00	70	14 ft.	- Measurements
	12:00	70	14 ft.	taken at Ground
	1:00	70	14 ft.	Level
	2:00	70	14 ft.	
	2:20	70	14 ft.	-Turned off Pump

**Perrydale Domestic Water Association  
24-Hour Pump Test  
8" Observation Well  
page 2**

**Recovery Readings**

<u>Time</u>	<u>Water Level</u>
2:22	5 ft.
2:24	3 ft.
2:27	1 ft.
2:30	+2 ft. ( flowing over top)

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

L10461

(START CARD) # 099322

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

(1) OWNER: Well Number \_\_\_\_\_  
Name Perrydale Water Association  
Address 2613 13<sup>th</sup> St. NE Salem  
City Salem State OR Zip \_\_\_\_\_

(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 140 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
12	0	32	Cement	0	32	12 bags
8	32	140				

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:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing	8 in	1.5	32	1.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner	7 in OD	7.5	65	1.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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
5	6.5	2 1/8"	10			<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Pump  Bailer  Air  Flowing Artesian  
Yield gal/min \_\_\_\_\_ Drawdown \_\_\_\_\_ Drill stem at \_\_\_\_\_ Time \_\_\_\_\_  
1 hr.

Temperature of water 53 ° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_

(9) LOCATION OF WELL, by legal description:  
County Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-S N or S Range 5-W E or W. WM.  
Section 17 NE 1/4 NE 1/4  
Tax Lot 101 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) None off Reimer Rd Dallas OR

(10) STATIC WATER LEVEL:  
4.5 ft. below land surface. Date 5-12-97  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 35 ft.

From	To	Estimated Flow Rate	SWL
35	140	150	4.5

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
See Original Well Log Start Correl # 86246	0	76	
Black basalt	76	88	
Black & Gray basalt	88	92	
Fractured Gray basalt	92	106	
Black & Gray basalt	106	114	
Black Fractured basalt	114	140	
Black & Gray Fractured basalt	114	140	

Note: This well was originally a 6 inch well. Casing was removed and reamed to 8 in well.

Date started 5-6-97 Completed 5-12-97

(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.  
Signed \_\_\_\_\_ WWC Number 1508 Date 5-12-97

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.

**Sippel Well Drilling, Inc.**  
**7195 Lawnridge Street NE**  
**Keizer, Oregon 97303**  
**(503) 390-2841**

**Perrydale Domestic Water Association**  
**24-Hour Pump Test**

<u>Date</u>	<u>Time</u>	<u>GPM</u>	<u>Water Level</u>	<u>Remarks</u>
5-16-97	11:50		Static 5'10"	-Start Pump Test
	11:55	110	5'10"	-Measurements
	12:00	110	16' 0"	taken from top
	12:05	110	17' 0"	of casing
	12:10	110	17' 8"	
	12:15	110	18' 3"	
	12:20	110	18' 9"	
	12:30	110	19' 5"	
	12:45	110	20' 6"	
	1:00	110	21' 6"	
	1:15	110	22' 4"	
	1:30	110	23' 2"	
	1:45	110	24' 0"	
	2:00	110	24' 8"	
	2:15	110	25' 6"	
	2:30	110	26' 2"	
	2:45	110	26' 11"	
	3:00	110	27' 6"	
	3:15	110	28' 1"	
	3:30	110	28' 8"	
	3:45	116	29' 4"	
	4:00	100	28' 8"	- closed valve
	4:15	100	29'	back to 100 gpm
	4:30	100	29' 6"	
	4:45	100	29' 11"	
	5:00	100	30' 4"	
	5:15	100	30' 9"	
	5:30	100	30' 10"	
	5:45	100	31' 2"	
	6:00	100	31' 6"	
	6:15	100	31' 10"	
	6:30	100	32' 3"	
	6:45	100	32' 7"	
	7:00	100	33'	
	7:15	102.6	33' 4"	
	7:30	102	33' 8"	
	7:45	102	33' 11"	
	8:00	102	34' 3"	
	8:15	102	34' 8"	
	8:30	102	34' 11"	

**Perrydale Domestic Water Association**  
**24-Hour Pump Test**  
 page 2

	8:45	101	35' 4"	
	9:00	102	35' 9"	
	9:15	102	36'	
	9:30	101.6	36' 4"	
	9:45	100.6	36' 9"	
	10:00	101.6	37' 1"	
	10:15	101	37' 6"	
	10:45	101	38' 5"	
	11:45		40' 1"	
	12:00	101	40' 5"	
	(Midnight)	98	41' 5"	
5-17-97	12:30 A.M.	100	42' 9"	
	1:00	97	45'	
	1:30	98	49'	
	2:08	93	52' 8"	
	2:30	90	58' 3"	
	3:00	82	60'	
	3:30	69	67'	
	4:00	63	79' 6"	-opened valve
	4:30	89	87' 5"	
	5:00	62	95' 4"	
	5:30	62	99' 8"	-closed valve
	6:00		49'	to 50 gpm??
	6:30	53	48'	
	7:00	53	47' 8"	
	7:30	53	46' 11"	
	8:00	53	48'	
	8:30	53	47' 4"	
	9:00	53	50' 10"	
	9:30	53	52' 4"	
	10:00	53	53' 1"	
	10:30	53	54'	
	11:00			

**Perrydale Domestic Water Association**  
**24-Hour Pump Test**  
page 3

**Recovery Readings**

<u>Time</u>	<u>Water Level</u>
11:00	51.7
11:01	48' 6"
11:02	46' 3"
11:03	44' 2"
11:04	43' 5"
11:05	42' 9"
11:06	42' 6"
11:07	42' 2"
11:08	42' 0"
11:09	41' 11"
11:10	41' 10"
11:15	41' 7"
11:20	40' 4"
11:25	40' 0"
11:30	40' 0"
11:45	39' 11"
12:00	39' 8"
12:15	39' 5"
12:30	39' 2"
12:45	39' 0"
1:00	38' 3"
1:15	37' 10"
1:30	37' 4"

Plover Road / FOWLER PRODUCTION WELL #1

L02881

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

(START CARD) # 095433

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

(1) OWNER: Well Number \_\_\_\_\_  
Name Perrydale Domestic Water Assoc.  
Address 100 Southwest Highway 2013 12th St. SE  
City Corvallis State OR Zip 97332

(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 190 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
12	0	30	Cement	0	30	12 Sacks
8	30	190				

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	Material			
				Steel	Plastic	Welded	Threaded
Casing: 8 in	12	30	25.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 30

(7) PERFORATIONS/SCREENS:

From		To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
			N/A					<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian  
Yield gal/min 150 Drawdown 79 ft. Drill stem at \_\_\_\_\_ Time 24 hr.  
Temperature of water 54 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
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 Polk Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 7-S N or S Range 5-W E or W. WM.  
Section 17 SE 1/4 NE 1/4  
Tax Lot 100 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 2315 Reimer Rd Dallas OR

(10) STATIC WATER LEVEL:  
23 ft. below land surface. Date 11-13-96  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 163

From	To	Estimated Flow Rate	SWL
163	182	150	23

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Top Soil	0	2	
Brown clay	2	4	
Broken black basalt	4	12	
Black basalt - hard	12	19	
Black basalt with gray claystone seams	19	26	
Fractured black basalt	26	27	
Black basalt with gray claystone seams	27	94	
Black basalt with dark brown claystone seams	94	96	
Hard black basalt with seams of tan claystone	96	129	
Black basalt + gray claystone	129	143	
Black basalt with white crystal seams	143	163	
Broken basalt	163	170	23
Gray basalt + crystal seams	170	176	23
Broken basalt	176	182	23
Gray basalt w/crystal seams	182	190	

Date started 11-2-96 Completed 11-13-96

(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.  
Signed [Signature] WWC Number 1629  
Date 11/14/96

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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.  
[Signature] WWC Number 1273

**Sippel Well Drilling, Inc.**  
**7195 Lawnridge Street NE**  
**Keizer, Oregon 97303**  
**(503) 390-2841**

**Perrydale Domestic Water Association**  
**24-Hour Pump Test**

<u>Date</u>	<u>Time</u>	<u>GPM</u>	<u>Water Level</u>	<u>Remarks</u>
11-12-96	11:00		Static 24 ft.	-Start Pump Test
	12:45			-Measurments
	12:35	90	60'	taken from top
	12:45	120	80'	of 8" casing
	1:00	120	82'	
	1:15	120	84' 1"	
	1:30	120	84' 1"	-opened valve
	1:45	140	94' 7"	
	2:00	140	94' 6"	-opened valve
	2:15	170	125'	
	2:30	170		-broke suction
	3:00	153	103' 9"	
	3:15	153	103' 9"	
	3:30	153	102' 3"	
	3:45	153	102'	
	4:00	153	102'	
	4:15	153	101' 11"	
	4:30	153	103'	-opened valve
	5:00	153	101' 7"	-water level went
	5:15	153	101' 3"	down fast,
	5:30	153	101'	closed valve to
	6:00	153	100' 2"	153 gpm
	6:30	153	100'	
	7:00	147	99' 11"	
	7:30	150	99' 10"	
	8:00	150	99' 9"	
	8:30	147	99' 6"	
	9:00	150	99' 5"	
	9:30	143	98' 8"	-opened valve
	10:00	153	103' 11"	
10:15	153	103' 5"		
10:30	153	103' 2"		
11:00	153	102' 10"		
11:30	153	102' 7"		
12:00(midnight)	150	101' 2"		
11-13-96	12:30	150	100' 7"	
	1:00 A.M.	150	100' 5"	
	1:30	147	100' 5"	
	2:00	150	100' 5"	
	2:30	150	100' 6"	

**Perrydale Domestic Water Association**  
**24-Hour Pump Test**  
page 2

3:00	147	100' 5"	
3:30	147	99' 10"	
4:00	150	99' 1"	
4:30	147	99' 4"	
5:00	147	99' 4"	-opened valve
5:30	150	101' 6"	
6:00	153	101' 4"	
6:30	143	101' 2"	-opened valve
7:00	157	106'	
7:30	153	105' 10"	
8:00	153	105' 6"	
8:30	153	104' 10"	
9:00	153	104' 8"	
9:30	153	104' 8"	
10:00	153	104' 7"	
10:30	150	104' 5"	
11:00	153	104' 4"	
11:30	153	104' 4"	
12:00(noon)			-Pump Turned Off

**Perrydale Domestic Water Association**  
**24-Hour Pump Test**  
**page 3**

**Recovery Readings**

<u>Time</u>	<u>Water Level</u>
30 sec.	60'
1 min.	53'
2 min.	41' 9"
3 min.	37' 2"
4 min.	32' 4"
5 min.	29' 10"
6 min.	29' 2"
7 min.	27' 7"
8 min.	28' 3"
9 min.	27' 11"
10 min.	27' 5"
13 min.	26' 2"
15 min.	26' 2"
20 min.	25' 6"
25 min.	25' 6"





Martha Pagel, Director  
Water Resources Department  
158 12<sup>th</sup> Street N.E.  
Salem, OR 97301

January 24, 2000

**RE: PERRYDALE COMMUNITY WATER DISTRICT  
POLK COUNTY WELL FIELD**

Dear Ms. Pagel:

This letter is in regards to the proposed development of a well field in Polk County to supply the Perrydale Community Water District. A group of 20 residents have filed an appeal with Polk County of their land use decision to develop this aquifer. Our main concern, is maintaining good ground water in this area of Polk County where it is a scarce resource. We are concerned that commercially mining of this resource will impact the residents in the area. In addition to the proposed well field, the county continues to subdivide existing tax lots and grant permits to build homes in this area that require wells for a water supply.

We are in the process of organizing the concerned citizens in the area and several members of our group have contacted you and/or others at Water Resources to express concern about the development of this permit. Of special concern is our understanding that a permit was issued by the Water Resource Department to develop up to 18 wells producing 1,800 gpm without any public notice to those residents who utilize this ground water in this area.

We understand that current water right rules dictate that if a neighboring well goes dry that the owner of that well is obligated to drill deeper until the maximum depth of the aquifer is reached. This is risky given that in this area of the county many deeper wells are of lesser quality with high rust concentrations and in some areas even "salty" water.

We believe that good public notice policy was not followed in the permit process to allow the Perrydale Community Water District to commercially mine the ground water in this aquifer. (We were told there is no record of public notice in the original 1994 permit application). We did not know about this process until the county notified some adjacent land owners on January 7, 1999.

From conversations some our members have had with staff, we believe there has not been adequate geologic study and computer modeling of the existing aquifer to make an informed decision on the impact of the commercial use of this scarce resource, or on the existing wells in the area. It also appears that a good baseline of ground water levels and recharge rates in the surrounding area was not established prior to the development and use of four wells that were brought on line approximately four months ago. Additionally, we believe that a good long term plan has not been developed regarding future homes the county will approve to be built in this area.

Bill Ferber has indicated he can come and meet with our group to explain what the process has been. Obviously this group is very dissatisfied with the fact that the permit has been granted to

develop 18 wells without any knowledge that this was being done. We request that the development of these wells be put on hold until our group can become assured that the permit process was properly followed and that good sound ground water engineering studies have been conducted by the Perrydale Community Water District to ensure existing homes in the area will not be subjected to running out of water or be pulled into a complex expensive process to deal with problems created by the mining and sale of this resource.

Our understanding is that the current president of the Perrydale Water District is a retired Water Resource employee and we request that our meeting with Water Resources Department not involve Perrydale at this time.

Thank you for your attention to this matter.

Sincerely,



Carla J. Cudmore (Current contact person for local citizens)  
14860 Orchard Knob Road  
Dallas, OR 97338  
503-623-4610

cc: Gene Clemens, Director of Community Development

**APPLICATION FOR EXTENSION OF TIME  
TO THE WATER RESOURCES DIRECTOR OF OREGON**

I, Perrydale Domestic Water Association

NAME

11475 W. Perrydale Road                      Amity                      OR                      97101                      (503) 835-7221

ADDRESS

CITY

STATE

ZIP

PHONE

owner of record, or duly authorized agent, of Application No. G-13929, Permit No. G-12721, do hereby request that the time in which to:

complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1999, be extended to October 1, 2060,

and/or the time in which to:

accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2060.

**NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.**

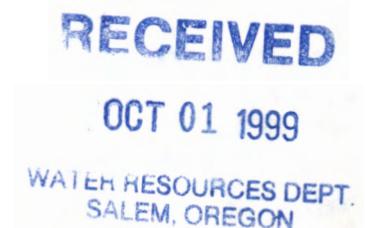
**Enclosed is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.**

**After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.**

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?

Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes



A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review).

Meters have been installed; access by the watermaster is available; several surrounding private wells are being monitored for interference monitoring plan has been submitted to WRD

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions.

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period: Constructed 3 well houses; a 53,000 gal reservoir; 4800 LF of 14" pipe; 1080 LF of 10" pipe; 9730 LF of 8" pipe; 1130 LF of 6" pipe; 360 LF of 4" pipe; added 20 new service connections

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period: Engineering plans for 1999 construction work; constructed 3 wells

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): Total= 108 gpm = 0.24 cfs = 0.6% or right  
Pumping has just begun this summer and we are going very gradually so that we can monitor the affect on surrounding wells (see 2-A above)

4-Cost of project to date \$450,000. Estimated remaining cost to complete the project \$800,000 to \$1 mil

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. This is a community water supply of sufficient quantity to allow for long-term growth

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

D) Acts of God or other unforeseen events delayed full development of the water system and use of water. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. The economic market includes increased population growth in the area and, since this is a farming community, the farm products serve both the local and national markets.

A) Has there been any change in this market since the permit was issued? \_\_\_\_\_

Yes, it has continued to increase as the number of residences within our boundary has increased and also with a number of domestic wells that have failed.

B) Have these changes, if any, affected the economic feasibility of your project? \_\_\_\_\_

Yes, they are the cause of increased demands that have made the water more valuable and necessary.

7-Are there other present competing demands for water in your community? \_\_\_\_\_

farming and domestic users

A) Has there been any change in these demands for water since the permit was issued? \_\_\_\_\_

No

B) Are you aware of alternative sources of water that may be able to satisfy the competing demands? \_\_\_\_\_

No

C) Are you aware of any adverse affects on your source of water that may have been caused by recent changes in use of water in your community? \_\_\_\_\_

No

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project?

Yes, see attached rate schedule and policy.

9-If the extension request is denied, is the current level of water use economically feasible?

No, not with the community growing as it is.

See attached list for water rights held by the Association.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.

*Corbey Boatwright*

Signature Corbey Boatwright, PE, CWRE  
Engineer for the Assoc.

10-1-99

Date

**MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:**

WATER RIGHT PERMIT EXTENSIONS  
WATER RESOURCES  
158 12TH ST NE  
SALEM, OREGON 97310



**Boatwright Engineering Inc.**

2613 12th ST SE, SALEM, OREGON 97302

civil engineers • land surveyors

(503) 363-9225 (FAX) 363-1051

**Perrydale Domestic Water Association**  
EXISTING WATER RIGHTS

Appl.	Permit	Certificate	Priority	Rate	Use	Source
G-6717	G-6352	<i>Spokane Bank</i> 60002	11-8-1974	0.4 cfs	Quasi-municipal.	Well 1
G-11935	G-10987	---	6-16-1981	60 gpm	Quasi-municipal	Well 2-A
G-11825	G-10908	<i>Spokane Bank</i> Proof Survey 10-1-1998	6-22-1988	0.67cfs	Quasi-municipal	Well 3
G-11913	G-10986	Proof Survey 10-1-1998	4-24-1989	150 gpm	Quasi-municipal	Well 4
G-13929	G-12721	---	12-28-1994	4 cfs	Quasi-municipal	Well Field 5 thru X

*T 10935 G-5655  
G-76772*

Cost per thousand

3-6,000	\$3.00
6-15,000	1.90
15-35,000	2.20
Over 35,000	2.50

Perrydale Domestic Water Association - Rates <sup>True</sup> July 1, 1999

Gallons	Cost	Gallons	Cost	Gallons	Cost	Gallons	Cost
3000	\$15.00	8100	\$27.99	13200	\$37.68	18300	\$48.36
3100	\$15.30	8200	\$28.18	13300	\$37.87	18400	\$48.58
3200	\$15.60	8300	\$28.37	13400	\$38.06	18500	\$48.80
3300	\$15.90	8400	\$28.56	13500	\$38.25	18600	\$49.02
3400	\$16.20	8500	\$28.75	13600	\$38.44	18700	\$49.24
3500	\$16.50	8600	\$28.94	13700	\$38.63	18800	\$49.46
3600	\$16.80	8700	\$29.13	13800	\$38.82	18900	\$49.68
3700	\$17.10	8800	\$29.32	13900	\$39.01	19000	\$49.90
3800	\$17.40	8900	\$29.51	14000	\$39.20	19100	\$50.12
3900	\$17.70	9000	\$29.70	14100	\$39.39	19200	\$50.34
4000	\$18.00	9100	\$29.89	14200	\$39.58	19300	\$50.56
4100	\$18.30	9200	\$30.08	14300	\$39.77	19400	\$50.78
4200	\$18.60	9300	\$30.27	14400	\$39.96	19500	\$51.00
4300	\$18.90	9400	\$30.46	14500	\$40.15	19600	\$51.22
4400	\$19.20	9500	\$30.65	14600	\$40.34	19700	\$51.44
4500	\$19.50	9600	\$30.84	14700	\$40.53	19800	\$51.66
4600	\$19.80	9700	\$31.03	14800	\$40.72	19900	\$51.88
4700	\$20.10	9800	\$31.22	14900	\$40.91	20000	\$52.10
4800	\$20.40	9900	\$31.41	15000	\$41.10	20100	\$52.32
4900	\$20.70	10000	\$31.60	15100	\$41.32	20200	\$52.54
5000	\$21.00	10100	\$31.79	15200	\$41.54	20300	\$52.76
5100	\$21.30	10200	\$31.98	15300	\$41.76	20400	\$52.98
5200	\$21.60	10300	\$32.17	15400	\$41.98	20500	\$53.20
5300	\$21.90	10400	\$32.36	15500	\$42.20	20600	\$53.42
5400	\$22.20	10500	\$32.55	15600	\$42.42	20700	\$53.64
5500	\$22.50	10600	\$32.74	15700	\$42.64	20800	\$53.86
5600	\$22.80	10700	\$32.93	15800	\$42.86	20900	\$54.08
5700	\$23.10	10800	\$33.12	15900	\$43.08	21000	\$54.30
5800	\$23.40	10900	\$33.31	16000	\$43.30	21100	\$54.52
5900	\$23.70	11000	\$33.50	16100	\$43.52	21200	\$54.74
6000	\$24.00	11100	\$33.69	16200	\$43.74	21300	\$54.96
6100	\$24.19	11200	\$33.88	16300	\$43.96	21400	\$55.18
6200	\$24.38	11300	\$34.07	16400	\$44.18	21500	\$55.40
6300	\$24.57	11400	\$34.26	16500	\$44.40	21600	\$55.62
6400	\$24.76	11500	\$34.45	16600	\$44.62	21700	\$55.84
6500	\$24.95	11600	\$34.64	16700	\$44.84	21800	\$56.06
6600	\$25.14	11700	\$34.83	16800	\$45.06	21900	\$56.28
6700	\$25.33	11800	\$35.02	16900	\$45.28	22000	\$56.50
6800	\$25.52	11900	\$35.21	17000	\$45.50	22100	\$56.72
6900	\$25.71	12000	\$35.40	17100	\$45.72	22200	\$56.94
7000	\$25.90	12100	\$35.59	17200	\$45.94	22300	\$57.16
7100	\$26.09	12200	\$35.78	17300	\$46.16	22400	\$57.38
7200	\$26.28	12300	\$35.97	17400	\$46.38	22500	\$57.60
7300	\$26.47	12400	\$36.16	17500	\$46.60	22600	\$57.82
7400	\$26.66	12500	\$36.35	17600	\$46.82	22700	\$58.04
7500	\$26.85	12600	\$36.54	17700	\$47.04	22800	\$58.26
7600	\$27.04	12700	\$36.73	17800	\$47.26	22900	\$58.48
7700	\$27.23	12800	\$36.92	17900	\$47.48	23000	\$58.70
7800	\$27.42	12900	\$37.11	18000	\$47.70	23100	\$58.92
7900	\$27.61	13000	\$37.30	18100	\$47.92	23200	\$59.14
8000	\$27.80	13100	\$37.49	18200	\$48.14	23300	\$59.36

(d) To prescribe, adopt and amend, from time to time, such equitable uniform rules and regulations as, in their discretion, may be deemed essential or convenient for the conduct of the business and affairs of the association and the guidance and control of its officers and employees, and to prescribe adequate penalties for the breach thereof.

(e) To order, at least once each year, an audit of the books and accounts of the association by a competent public auditor or accountant. The report prepared by such auditor or accountant shall be submitted to the members of the association at their annual meeting.

(f) To fix the charges to be paid by each member for services rendered by the association to him, the time of payment and the manner of collection.

(g) To require all officers, agents and employees charged with responsibility for the custody of any of the funds of the cooperative to give adequate bonds, the cost thereof to be paid by the association, and it shall be mandatory upon the directors to so require.

(h) To select one or more banks to act as depositories of the funds of the association and to determine the manner of receiving, depositing, and disbursing the funds of the association and the form of checks and the person or persons by whom the same shall be signed, with the power to change such banks and the person or persons signing such checks and the form thereof at will.

## ARTICLE X

### Duties of Officers

Section 1. Duties of the president. The president shall preside over all meetings of the association and the Board of Directors, call special meetings of the Board of Directors, perform all acts and duties usually performed by an executive and presiding officer, and sign all membership certificates and such other papers of the association as he may be authorized or directed to sign by the Board of Directors, provided the Board of Directors may authorize any person to sign any or all checks, contracts and other instruments in writing on behalf of the association. The president shall perform such other duties as may be prescribed by the Board of Directors.

Section 2. Duties of the vice-president. In the absence or disability of the president, the vice-president shall perform the duties of the president; provided, however, that in case of death, resignation, or disability of the president, the Board of Directors may declare the office vacant and elect his successor.

Section 3. Duties of the secretary. The secretary shall keep a complete record of all meetings of the association and of the Board of Directors and shall have general charge and supervision of the books and records of the association with the exception of financial records. He shall sign all membership certificates and with the president and such other papers pertaining to the association as he may be authorized or directed to do so by the Board of Directors. He shall serve all notices required by law and these By-Laws and shall make a full report

certificate records of the association, complete and countersign all certificates issued, and affix said corporate seal to all papers re-

(By-Laws - 6)

necessary considerable, special or reserve equipment or capacity, the association may require a contract for an extended period and may also require the customer to furnish security satisfactory to the association to protect the association against loss and to guarantee the performance of the provisions of such contract.

Except for special contracts in which the contract rates shall be extended, all rules, rates and regulations are subject to change and modification by the association without notice.

Except for special contracts, each residence shall have a separate meter.

Each customer who intends to vacate any premises supplied with water served by the association shall give written notice of such intent at least two days prior thereto, specifying the date service is to be discontinued. Such customers shall be responsible for water supplied to such premises until such notice shall have been received.

The association shall have the right to make special contracts, the provisions and conditions of which may be different from or have exceptions to the regular published schedules. These special contracts shall be in writing, signed by the customer and approved by action of the Board of Directors.

#### Water Rates

The rates to be charged by the association for water supplied to its customers and members shall be in the amounts as set forth in Schedule A which is attached to these rules and regulations, as the same may be amended from time to time by the Board of Directors of the association.

#### Payment and Non-Payment of Water Charges

All charges made for water shall be due and payable monthly at the office of the treasurer of the association on the date of the mailing or delivery of a statement therefor, and shall become delinquent ten days thereafter, except in cases where special contract arrangements in writing specify a different date. The association may specify such other places for the payment of charges by a designation thereof upon the face of the statements rendered.

Service may be discontinued to any customer whose payment for water is delinquent, provided, however, that a five-day written notice shall

sent with the package properly and properly addressed to the address given to the association by the customer.

### Temporary Service

For water service of a temporary nature, or for construction purposes, the customer may be required to make a deposit to cover the cost of labor and material of connection and disconnection, and for a reasonable depreciation charge for the use of equipment and material furnished and owned by the association.

### Change of Occupancy and Discontinuance of Service

At the time specified by the customer in a notice to the association that such customer intends to vacate the premises where service is supplied, or in the event that a customer notified the association that he desires water service to be discontinued, the meter shall be read and a statement rendered which shall be payable immediately. In no event shall the charge be less than the proportionate share of the monthly



RECEIVED

JUN 9 1999

**POLK COUNTY** WATER RESOURCES DEPT.  
SALEM, OREGON Community Development

POLK COUNTY COURTHOUSE ★ DALLAS, OREGON 97338 ★ (503) 623-9237 ★ FAX (503) 623-6009

GENE CLEMENS  
Director

June 7, 1999

William D. Hook and Paula J. Hook  
2401 Reimer Road  
Dallas, Oregon 97338

Re: Perrydale Water Reservoir

Dear William and Paula Hook,

Thank you for your letter of June 3, 1999, regarding your concerns about water resources in your area and the construction of a water storage reservoir for the Perrydale Domestic Water Association.

The notice of decision that you received was issued based on the Polk County Zoning Code for Exclusive Farm Use Zoning District. The EFU District allows "Utility Facilities Necessary for Public Service". This particular facility, a water storage reservoir acting as a surge basin, does not "use" water resources, but may provide a resource for water for other uses, which may require our review and permitting. As a result, our permit review did not require us to review the issue of adequate water. In addition, Polk County does not have the authority to regulate the use of water. This is the purview of the Oregon Water Resources Department. Their water rights permit process provides an avenue for you to use to address the adequacy of water for the "use" to which it is to be placed. Prior to placing the wells into use, a water rights permit request must be filed with WRD. The applicant states that a water rights application has been filed and accepted by WRD for the wells. You may review the file information submitted which delineates information filed for water rights, or you may contact Bill Ferber, Regional Watermaster with the Water Resources Department, at 378-8455, extension 375 for information about the water rights permit status for the well field in the area. You should also request information about the legal process to follow should your well be impacted by these wells.

If you have any more questions, please contact me.

Sincerely,



Gene Clemens

C: Perrydale Water Association  
Bill Ferber, WRD  
Boatwright Engineering

**RECEIVED**

JUN 9 1999

WATER RESOURCES DEPT.  
SALEM, OREGON

**RECEIVED**  
JUN 07 1999

POLK COUNTY  
COMMUNITY DEVELOPMENT

June 3, 1999

Polk County Community Development Department  
Polk County Courthouse  
Dallas, OR 97338

Planning Division members;

We received notification of a change in land use by your office of the neighboring piece of property owned by Amy and Arlin Garber for the construction of a drinking water reservoir by Perrydale Domestic Water Association. The property is located in Township 7 South, Range 5 West, Section 17, Tax Lot 100 WWM and is adjacent to our home property. There are 5 homes on the top of the hill which are accessed by Reimer Road. We purchased this home in 1994 and had heard of the water shortages on Salt Creek Road prior to buying our house. That is why we had very carefully studied the well water situation prior to buying. There was a good supply of water to the wells and none of the adjacent neighbors reported any problems with their water supply either. So we went ahead with the purchase and have had no problems since then with our water supply and neither have any of our neighbors here on Reimer Road.

However, we have a concern, shared by some of those here on this road, that if Perrydale Domestic Water Association taps into the source of water which is the same source that we are drawing water from our wells that we may also experience water shortages that we never have had before. Has this issue been studied? We think it is unfortunate that there are many people along Salt Creek Road who have had water shortages but their solution should not create problems for those who had not experienced problems previously.

We would like a study done and the assurance that this new plan for a reservoir and tapping into our water supply would not harm our own supply. We expect that this will be done prior to proceeding with any further plans or construction. We request a written response addressing this issue prior to beginning the construction phases of this project. Thank you for your cooperation and consideration in this matter.

Sincerely,

*W.D. Hook Paula Hook*

William D. Hook and Paula J. Hook  
2401 Reimer Road  
Dallas, OR 97338



199

Oregon Water Resources Department  
October 1997 through September 1998  
Annual Water Use - Monthly Quantities Form

USER-ID 16269

998



Facility POD-ID	#2 Well Standby Permit #G10987	#4 Well permit #G10986			
October - 1997	0	1,774,600 gal.			
November - 1997	0	1,745,300 "			
December - 1997	0	967,700 "			
January - 1998	0	OFF Dec. 3 "			
February - 1998	0	OFF "	<i>Corrected Copy 12/2/98</i>		
March - 1998	0	OFF "			
April - 1998	0	OFF "			
May - 1998	0	OFF "			<b>RECEIVED</b>
June - 1998	0	PUMP ON 853,800 "			
July - 1998	0	2,412,200 "			DEC 03 1998
August - 1998	0	3,650,300 "			WATER RESOURCES DEPT. SALEM, OREGON
September - 1998	0	2,959,900 "			
TOTAL *	0	14,363,800 "			

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons . If use is irrigation, total number acres irrigated NA

I certify this information is true and accurate to the best of my knowledge.

*Ray Hobson*  
Signature

President  
Title

Perrydale Domestic Water Ass'n.  
Reporting Entity

12/01/98  
Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
158 12<sup>th</sup> Street NE; Salem, OR 97310-0210



1997

Oregon Water Resources Department  
October 1997 through September 1998  
Annual Water Use - Monthly Quantities Form

USER-ID \_\_\_\_\_

998



Facility <input type="checkbox"/> POD-ID <input type="checkbox"/>	#2 Well Standby Permit #G10987	#4 Well permit #G10986			
October - 1997	0	4,254,800 gal.			
November - 1997	0	4,351,900 "			
December - 1997	0	3,853,200 "			
January - 1998	0	4,040,800 "			
February - 1998	0	3,997,100 "			
March - 1998	0	3,670,400 "			
April - 1998	0	3,885,800 "			
May - 1998	0	4,341,600 "			
June - 1998	0	4,311,800 "			
July - 1998	0	6,589,900 "			
August - 1998	0	9,097,500 "			
September - 1998	0	6,708,700 "			
TOTAL *	0	59,103,500 gal.			

RECEIVED

DEC 03 1998

WATER RESOURCES DEPT.  
SALEM, OREGON

\* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: gallons. If use is irrigation, total number acres irrigated NA

I certify this information is true and accurate to the best of my knowledge.

Ray Hobson  
Signature

President  
Title

Perrydale Domestic Water Ass'n. 12/01/98  
Reporting Entity Date

Ray Hobson  
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;  
158 12<sup>th</sup> Street NE; Salem, OR 97310-0210



OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT



Reporting Entity

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE ROAD

AMITY

*well #1 - 60020* OR

97101

PHONE: 5038357221

USER\_ID: RECEIVED

DEC 03 1998

WATER RESOURCES DEPT.  
SALEM, OREGON

POD_ID	FACILITY	CERT.	PERMIT	APPLN	LS	PRIORITY	TWP	T	RGE	R	SEC	Q/Q	USE	RATE	U	P/A/S	SOURCE	TRIBUTARY TO
24166		0	G 10986	G 11913	L	4/24/1989	5.00	S	3.00		32	SWNE	QM	150 0000	G	P	WELL 4	WILLAMETTE R
24167		0	G 10987	G 11935	L	6/16/1989	5.00	S	3.00		29	SESW	QM	50 0000	G	P	WELL 2A	WILLAMETTE R
46094		0	G 12721	G 13929	L	12/28/1994	7.00	S	5.00		17	NENE	QM	4 0000	C	P	WELL A	WILLAMETTE R
46095		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NENE	QM	4 0000	C	A	WELL B	WILLAMETTE R
46096		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NENE	QM	4 0000	C	A	WELL C	WILLAMETTE R
46097		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NENE	QM	4 0000	C	A	WELL D	WILLAMETTE R
46098		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NWNE	QM	4 0000	C	A	WELL E	WILLAMETTE R
46099		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NWNE	QM	4 0000	C	A	WELL F	WILLAMETTE R
46100		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NWNE	QM	4 0000	C	A	WELL G	WILLAMETTE R
46101		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SWNE	QM	4 0000	C	A	WELL H	WILLAMETTE R
46102		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SWNE	QM	4 0000	C	A	WELL I	WILLAMETTE R
46103		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SWNE	QM	4 0000	C	A	WELL J	WILLAMETTE R
46104		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SENE	QM	4 0000	C	A	WELL K	WILLAMETTE R
46105		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SENE	QM	4 0000	C	A	WELL L	WILLAMETTE R
46106		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SENE	QM	4 0000	C	A	WELL M	WILLAMETTE R
46107		0	G 12721		L	12/28/1994	7.00	S	5.00		17	SENE	QM	4 0000	C	A	WELL N	WILLAMETTE R
46108		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NESE	QM	4 0000	C	A	WELL O	WILLAMETTE R
46109		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NESE	QM	4 0000	C	A	WELL P	WILLAMETTE R
46110		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NWSE	QM	4 0000	C	A	WELL Q	WILLAMETTE R
46111		0	G 12721		L	12/28/1994	7.00	S	5.00		17	NWSE	QM	4 0000	C	A	WELL R	WILLAMETTE R

All of the wells listed as #G 12721 are not yet in use at the present time.

FILE # G-13929

# FO CHECKLIST

REVIEW DATE: 8/15/96

WEEK # 48

PFO TO FO CONVERSION

INITIALS: JTG

In preparing the FO, you should check the following:

1. Y/N Were comments or protests received in response to the PFO?
2. X If #1 = "Y", from whom were the comments received and when?
3. X Verify names and addresses on the PFO CC list. ALL commentors (regardless of comment date), affected landowners (were they notified?), and those who paid the \$10 fee should be listed.
4. X Verify payment of recording fees (circle the appropriate option)
  - (1) Issue FO w/permit if fees are paid – Prepare refund request for excess fees, including standing fees if no protest is filed and no modifications are being made to the PFO
  - (2) Issue FO w/o permit if fees are lacking
5. Y/N Is the file lacking a signed oath of accuracy for the application?
6. Y/N Has ODFW asked for self certification on screening condition?
7. Y/N Is water use prohibited for one or more months of the normal use period?
8. Y/N If #6 = "Y", is short season letter on file? Note: If short season letter is lacking prepare FO with Draft permit giving applicant 60 days to submit letter.
9. Y/N Is further processing possible? If not state reason: \_\_\_\_\_
10. \_\_\_\_\_ Notify applicant of additional information or fees required prior to permit issuance (SEND CERTIFIED LETTER & use standard wording from M:\T\FO\TOOLS if possible)
11. \_\_\_\_\_ Assign permit numbers to files with oath, fees, and no protests or other issues

200  
100  
150

Route to: (circle one)

DENIAL	FO w/o PERMIT	FO & PERMIT	COMMENTS
LARRY	JERRY	JEREMY	DOUG

JB  
JA

Initials JTG

Modify FO as needed to:

12. 2 Respond to significant comments, issues, or disputes related to the proposed use of water (see notes, if any, listed above)
13. ✓ Include or exclude permit conditions and management codes
14. ✓ Correct PFO errors (such as POD or POU location (verify from map), Permit format)

Once FO document is completed:

15. ✓ Save WordPerfect document in M:\T\FO\WEEK 48 & delete duplicates
16. ✓ Print final draft of document and submit to team leader for review
17. Y/N Team leader review completed

FO

Oregon Water Resources Department  
Water Rights Division

Water Rights Application  
Number G-13929

**Proposed Final Order**

*Summary of Recommendation:* The Department recommends that the attached draft permit be issued with conditions.

*Application History*

On December 28, 1994, Perrydale Domestic Water Association submitted an application to the Department for the following water use permit:

- Amount of Water: 4.0 CUBIC FEET PER SECOND
- Use of Water: QUASI-MUNICIPAL
- Source of Water: EIGHTEEN WELLS IN WILLAMETTE RIVER BASIN
- Area of Proposed Use: Polk County within TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.

On JANUARY 25, 1996, the Department mailed the applicant notice of its Initial Review, determining that water was available and allowable. The applicant did not notify the Department to stop processing the application within 14 days of that date.

On FEBRUARY 13, 1996, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

No written comments were received within 30 days.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- comments by or consultation with another state agency
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use
- pending senior applications and existing water rights of record
- designations of any critical groundwater areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law
- any general basin-wide standard for flow rate and duty of water allowed

- the need for a flow rate and duty higher than the general standard
- any comments received

*Findings of Fact*

The Willamette Basin Program allows the following uses: QUASI-MUNICIPAL

Senior water rights exist on EIGHTEEN WELLS IN WILLAMETTE RIVER BASIN or on downstream waters.

EIGHTEEN WELLS IN WILLAMETTE RIVER BASIN are not within or above a State Scenic Waterway.

Water is available for further appropriation (at an 80 percent exceedance probability) for the period is YEAR ROUND.

The Department finds that no more than 4.0 CUBIC FEET PER SECOND would be necessary for the proposed use. The amount of water requested, 4.0 CUBIC FEET PER SECOND, is allowable.

The Department finds that the proposal to manage the water level associated with a mining operation poses a threat to the water quality and would be adverse to well head protection.

The Department determined, based upon OAR 690-09, that the proposed groundwater use will not have the potential for substantial interference with the nearest surface water source, namely an unnamed creek.

The Groundwater Section finds that there is NOT a preponderance of evidence that the proposed use of groundwater 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.

*Conclusions of Law*

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the Willamette Basin Plan.

No preference for this use is granted under the provisions of ORS 536.310(12).

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with rules of the Water Resources Commission.  
The proposed use complies with the State Agency Agreement for land use.  
For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

- (a) One or more of the criteria for establishing the presumption are not satisfied; or
- (b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:
  - (A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and
  - (B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

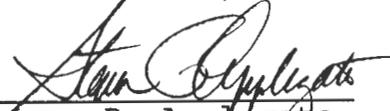
In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED June 25, 1996

  
\_\_\_\_\_  
Steven P. Applegate  
Administrator  
Water Rights and Adjudications Division

## Protest Rights

Under the provisions of ORS 537.621(7), you have the right to submit a protest against this proposed final order. Your protest must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the \$200 protest fee required by ORS 536.050.
- If you are the applicant, a statement of whether or not you are requesting that a contested case hearing be held. If you do not request a hearing, the Department will presume that you do not wish for a hearing to be held.

Your protest must be received in the Water Resources Department no later than **August 9, 1996**.

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and if

- upon review of the issues the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

WHF

DRAFT

This is not a permit!!!  
STATE OF OREGON

DRAFT

COUNTY OF POLK

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY, OREGON 97101

( 503)835-7221

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13929

SOURCE OF WATER: EIGHTEEN WELLS IN WILLAMETTE RIVER BASIN within the Willamette basin

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 4.0 CUBIC FEET PER SECOND

PERIOD OF USE: The period of allowed use is YEAR ROUND

DATE OF PRIORITY: December 28, 1994

POINT OF DIVERSION LOCATION:

- WELL A 80' NORTH & 1150' EAST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL B 80' NORTH & 490' EAST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL C 320' NORTH & 340' EAST OF THE SW CORNER OF THE NE 1/4, NE 1/4.
- WELL D 530' NORTH & 180' EAST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL E 410' NORTH & 100' WEST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL F 320' NORTH & 340' WEST OF THE SW CORNER OF THE NE 1/4 NE 1/4.
- WELL G 170' NORTH & 840' WEST OF THE SW CORNER OF THE NE 1/4, NE 1/4.
- WELL H 200' SOUTH & 1030' WEST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL I 600' SOUTH & 1050' WEST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL J 1100' SOUTH & 1060' WEST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL K 200' SOUTH & 340' EAST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL L 200' SOUTH & 880' EAST OF THE SW CORNER OF THE NE 1/4, NE 1/4
- WELL M 400' SOUTH & 114' EAST OF THE SW CORNER OF THE NE 1/4, NE/4
- WELL N 100' NORTH & 680' EAST OF THE NE CORNER OF THE NE 1/4 SE 1/4.
- WELL O 110' SOUTH & 600' EAST OF THE NE CORNER OF THE NE 1/4, SE 1/4
- WELL P 210' SOUTH & 100' EAST OF THE NE CORNER OF THE NE 1/4, SE 1/4
- WELL Q 170' SOUTH & 170' WEST OF THE NE CORNER OF THE NE 1/4, SE 1/4
- WELL R 90' SOUTH & 950' WEST OF THE NE CORNER OF THE NE 1/4 SE 1/4

THE PLACE OF USE IS LOCATED AS FOLLOWS:

ALL  
Section 30  
ALL  
Section 31  
ALL  
Section 32  
ALL  
Section 33  
T 5 S, R 4 W, W.M.  
S 1/2  
S 1/2, N 1/2  
Section 25  
S 1/2  
S 1/2, N 1/2  
Section 26  
S 1/2  
S 1/2, N 1/2  
Section 27  
S 1/2  
S 1/2, N 1/2  
Section 28  
S 1/2  
S 1/2, N 1/2  
Section 29  
S 1/2  
S 1/2, N 1/2  
Section 29  
S 1/2  
S 1/2, N 1/2  
Section 30  
ALL  
Section 31  
ALL  
Section 32  
ALL  
Section 33  
ALL  
Section 34  
ALL  
Section 35  
ALL  
Section 36  
T 5 S, R 5 W, W.M.  
ALL  
Section 36  
T 6 S, R 3 W, W.M.  
ALL  
SECTION 29

ALL  
 SECTION 30  
 ALL  
 SECTION 32  
 T 5 S, R 6 W, W.M.  
 ALL  
 SECTION 4  
 ALL  
 SECTION 5  
 ALL  
 SECTION 6  
 ALL  
 SECTION 7  
 ALL  
 SECTION 8  
 ALL  
 SECTION 9  
 ALL  
 SECTION 16  
 ALL  
 SECTION 17  
 ALL  
 SECTION 18  
 ALL  
 SECTION 19  
 ALL  
 SECTION 20  
 ALL  
 SECTION 21  
 ALL  
 SECTION 23  
 ALL  
 SECTION 25  
 ALL  
 SECTION 26  
 W ½ SECTION 27  
 ALL  
 SECTION 28  
 ALL  
 SECTION 29  
 ALL  
 SECTION 30  
 ALL  
 SECTION 31  
 ALL  
 SECTION 32  
 ALL  
 SECTION 33  
 ALL

SECTION W ½ SECTION 34  
 T 6 S, R 4 W, W.M.

~~VOL. 11A AGA Sude & MSB~~  
~~VOL. 11 & Sude & MSB~~  
 7

ALL  
Sections I through 36  
T 6 S, R 5 W, W.M.

ALL  
SECTION 1  
S ½ SECTION 2  
S ½ SECTION 3  
S ½ SECTION 4

ALL  
SECTION 9  
ALL  
SECTION 10  
ALL  
SECTION 11  
ALL  
SECTION 12  
ALL  
SECTION 13  
ALL  
SECTION 14  
ALL  
SECTION 15  
ALL  
SECTION 16  
ALL  
SECTION 21  
ALL  
SECTION 22  
ALL  
SECTION 23  
ALL  
SECTION 24  
ALL  
SECTION 25  
ALL  
SECTION 26  
ALL  
SECTION 27  
ALL  
SECTION 28  
ALL  
SECTION 33  
ALL  
SECTION 34  
ALL  
SECTION 35  
ALL  
SECTION 36

T 6 S, R 6 W, W.M.  
W ½ SECTION 3

ALL  
SECTION 4  
ALL  
SECTION 5  
ALL  
SECTION 6  
ALL  
SECTION 7  
ALL  
SECTION 8  
ALL  
SECTION 9  
W ½ SECTION 10  
NW ¼ SECTION 15  
N ½ SECTION 17  
ALL  
SECTION 18  
T 7 S, R 4 W  
ALL  
SECTION 1  
ALL  
SECTION 2  
ALL  
SECTION 3  
ALL  
SECTION 4  
ALL  
SECTION 5  
ALL  
SECTION 6  
ALL  
SECTION 7  
ALL  
SECTION 8  
ALL  
SECTION 9  
ALL  
SECTION 10  
ALL  
SECTION 11  
ALL  
SECTION 12  
ALL  
SECTION 15  
ALL  
SECTION 16  
ALL  
SECTION 18  
ALL  
SECTION 19

T 7 S, R 5 W, W.M.

ALL  
SECTION 1  
ALL  
SECTION 2  
ALL  
SECTION 3  
ALL  
SECTION 4  
ALL  
SECTION 11  
ALL  
SECTION 12  
ALL  
SECTION 13  
ALL  
SECTION 14  
ALL  
SECTION 23  
ALL  
SECTION 24  
T 7 S, R 6 W, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations.

#### **STANDARD CONDITIONS**

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.



*Handwritten initials*

COPY CHECK-OFF SHEET FOR PROPOSED FINAL ORDERS

CC: FILE # G-13929 ✓

WATERMASTER # 16 ✓

REGIONAL MANAGER: *Tom Paul* ✓

ODF&W - Polk County: ✓

CWRE (if agent): *Martin Bestwright* ✓

DEQ,

OTHER STATE AGENCY IF NECESSARY: *HEALTH Div / DOGAMI* ✓

*800 NE OR #21  
OR SE office Bldg  
Ptld 97232*

*state office Bldg suite 177  
800 NE Oregon St #5  
Ptld. OR  
97232*

DIVISION 33 LIST: COLUMBIA RIVER INTERTRIBAL FISH COMMISSION; U.S. FISH & WILDLIFE;  
(CHECK ONLY IF APPLICABLE) NORTHWEST POWER PLANNING COUNCIL & NATIONAL MARINE FISHERIES

POWER BUILDER UPDATER; FRONT COUNTER

OTHER ADDRESSES OF PEOPLE WHO PAID THE \$10 FEE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PEOPLE WITH OBJECTIONS, COMMENTS OR REQUESTED COPY W/O \$10 (SEND THE \$10 LETTER):

*Rep John Schorn* ✓

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CASEWORKER : WHF

**PFO CHECKLIST**

Application #: 5 13929

Basin: \_\_\_\_\_ WAB: \_\_\_\_\_

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_ 1/4 1/4 \_\_\_\_\_

- A1. Public Interest Screen Criteria
  - 1. Is the file complete by the Completeness Checklist?
  - 2. Fees or other shortcomings (items needed before a permit and/or FO can be issued)
  - 3. Check file for indicators that the process **should not** continue until a later date (ie - protest, letter to file indicating hold, or other)
  - 4. A groundwater review has been evaluated for substantial interference with surface water (convert old gw conditions to the 7 series and add to the PFO, if necessary)
    - a. Is second groundwater review necessary? (objection) Done
    - b. Is HB 1033 review complete?
  - NO 5. Is the source withdrawn or limited? - State Engineer, Legislative (ORS 538), etc.
  - N 6. Is the Proposed Use located in or above a Scenic Waterway?
  - N 7. Is the proposed use located in a TMDL Basin? (Tualatin, Yamhill, Pudding)
  - Y 8. Is the use allowed or limited by the Basin Program?
  - N 9. If source is groundwater, is the well located in a groundwater limited area? (If applicable, include map with POD)
  - M 10. Water Availability Data has been verified (50% before July 17, 1992; 80% live flow & 50% storage after July 17, 1992)
  - XAT 11. Rate \_\_\_\_\_ Duty \_\_\_\_\_ Irrigation Season \_\_\_\_\_
  - 12. Period of Allowed Use YR Rwy
  - NA 13. Is use from a B.O.R. project and if so, is a signed contract in the file?
  - X 14. Division 33 has been addressed - if applicable (Above Bonn after July 17, 1992 & Below Bonn after April 8, 1994 or June 3, 1994)
  - 15. Have conflicts been identified, verified and/or addressed?
  - 16. Is the use Small ( $\leq 0.1\text{cfs}$ ,  $\leq 9.2\text{AF}$ ), Medium ( $> 0.1$  or  $< 1.5\text{cfs}$ ,  $> 9.2$  or  $< 100\text{AF}$ ) or Large ( $\geq 1.5\text{cfs}$ ,  $\geq 100\text{AF}$ )? \_\_\_\_\_
  - 17. Check TR/IR for permit conditions not included in the Draft Permit attached to the PFO
  - 18. Fill out Accuracy Checklist
  - 19. Spell Check
  - 20. Documents used in determination are attached and highlighted
  - 21. Fill out PFO CC List (a.k.a. the Check-Off Sheet) - don't forget to check for other property owners.
    - a. Does Ken Stahr need to be on the CC list (Rate, Duty and Period of Allowed Use changes)
  - 22. Final PFO report hard copy check (format, margins, etc.)
  - 23. Final PFO has been saved to m:\t\pfo\done\week#\application #

Name: \_\_\_\_\_ Date: \_\_\_\_\_ WHF

TMP Worldwide

Public Notice Advertising Request

tmppdx@europa.com

Requestor: Bill Fujii  
Fiscal Contact: Marie Licari  
Telephone Number: (503) 378-8455 ext. 254      Fax: 378-6203  
Department: Water Resources  
Division: Water Rights

Billing Information File# G-13929      WRD receipt#131557

Special Instructions: Run ad once per week for three consecutive weeks

Publication Information:

Publication: Polk County Itemizer - Observer      Run date: next available

Keyword: Perrydale Domestic Water Association

Type of Ad: Individual Ad

Copy:

STATE OF OREGON  
WATER RESOURCES DEPARTMENT  
PUBLIC NOTICE OF WATER USE REQUESTS  
Regarding Application G - 13929

The Oregon Water Resources Department is evaluating the request by Perrydale Domestic Water Association to use 1795.2 gallons per minute of groundwater for Quasi-municipal purposes. The proposed place of use is located within the Perrydale Domestic Water Association service area within Polk County. This process is to determine if the request is in compliance with state water laws and regulations. Public participation and comment is encouraged.

ORS 537.130 (3) requires notice to all affected landowners and ORS 537.130 (4) allows the Department to make this notice through publication in a local newspaper if there are more than 25 landowners involved.

For further information contact the Water Resources Department Water Rights Information Group at 1 (800) 624-3199 ext. 499. Written requests may be addressed to the Oregon Water Resources Department at 158 - 12th St NE Salem, Oregon 97310-0210

Oregon Water Resources Department  
Water Rights Division

PERMIT  
G-12721

Water Rights Application  
Number G-13929

**Final Order**

*Application History*

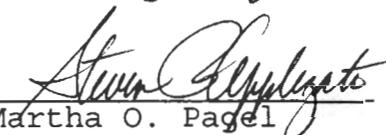
On December 28, 1994, PERRYDALE DOMESTIC WATER ASSOCIATION submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on June 25, 1996. The protest period closed August 9, 1996, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest.

**Order**

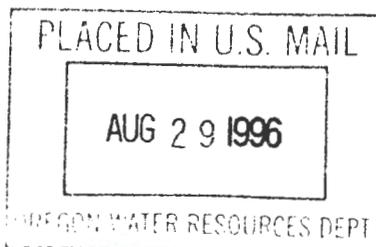
Application G-13929 therefore is approved as proposed by the Proposed Final Order, and Permit Number G-12721 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED August 28, 1996

*for*   
Martha O. Pagel  
Director

*Appeal Rights*

Under the provisions of ORS 183.484, the applicant may appeal this order by filing a petition for review in the Circuit Court for Marion County or the circuit court for the county in which the applicant resides or has a principal business office. The petition for review must be filed within 60 days after the date this order is served.



STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY, OREGON 97101

(503)835-7221

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13929

SOURCE OF WATER: EIGHTEEN WELLS WITHIN THE WILLAMETTE RIVER BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 4.0 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 28, 1994

POINT OF DIVERSION LOCATION: NE 1/4 NE 1/4, NW 1/4 NE 1/4, SW 1/4 NE 1/4, SE 1/4 NE 1/4, NE 1/4 SE 1/4, NW 1/4 SE 1/4, SECTION 17, TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.; WELL A - 80' NORTH & 1150' EAST; WELL B - 80' NORTH & 490' EAST; WELL C - 320' NORTH & 340' EAST; WELL D - 530' NORTH & 180' EAST; WELL E - 410' NORTH & 100' WEST; WELL F - 320' NORTH & 340' WEST; WELL G - 170' NORTH & 840' WEST; WELL H - 200' SOUTH & 1030' WEST; WELL I - 600' SOUTH & 1050' WEST; WELL J - 1100' SOUTH & 1060' WEST; WELL K - 200' SOUTH & 340' EAST; WELL L - 200' SOUTH & 880' EAST; WELL M - 400' SOUTH & 114' EAST, ALL FROM THE SW CORNER OF THE NE 1/4, NE 1/4; WELL N - 100' NORTH & 680' EAST; WELL O - 110' SOUTH & 600' EAST; WELL P - 210' SOUTH & 100' EAST; WELL Q - 170' SOUTH & 170' WEST; WELL R - 90' SOUTH & 950' WEST; ALL FROM THE NE CORNER OF THE NE 1/4, SE 1/4

THE PLACE OF USE IS LOCATED AS FOLLOWS:

ALL  
SECTIONS 30-33  
TOWNSHIP 5 SOUTH, RANGE 4 WEST, W.M.  
S 1/2  
S 1/2, N 1/2  
SECTION 25  
S 1/2  
S 1/2, N 1/2  
SECTION 26  
S 1/2  
S 1/2, N 1/2  
SECTION 27  
S 1/2  
S 1/2, N 1/2  
SECTION 28  
S 1/2  
S 1/2, N 1/2  
SECTION 29  
S 1/2  
S 1/2, N 1/2  
SECTION 29  
S 1/2  
S 1/2, N 1/2  
SECTION 30

ALL  
SECTION 31-36  
TOWNSHIP 5 SOUTH, RANGE 5 WEST, W.M.

ALL  
SECTION 36  
TOWNSHIP 6 SOUTH, RANGE 3 WEST, W.M.

ALL  
SECTIONS 29-32  
TOWNSHIP 5 SOUTH, RANGE 6 WEST, W.M.

ALL  
SECTIONS 4-9  
ALL

SECTIONS 16-21  
ALL  
SECTION 23

ALL  
SECTIONS 25 & 26  
W 1/2 SECTION 27

ALL  
SECTIONS 28-33  
ALL

W 1/2 SECTION 34  
TOWNSHIP 6 SOUTH, RANGE 4 WEST, W.M.  
ALL

SECTIONS 1 THROUGH 36  
TOWNSHIP 6 SOUTH, RANGE 5 WEST, W.M.

ALL  
SECTION 1  
S 1/2 SECTIONS 2-4  
ALL  
SECTIONS 9-16  
ALL  
SECTIONS 21-28  
ALL  
SECTIONS 33-36  
TOWNSHIP 6 SOUTH, RANGE 6 WEST, W.M.  
W 1/2 SECTION 3  
ALL  
SECTIONS 4-9  
W 1/2 SECTION 10  
NW 1/4 SECTION 15  
N 1/2 SECTION 17  
ALL  
SECTION 18  
T 7 S, R 4 W  
ALL  
SECTIONS 1-12  
ALL  
SECTIONS 15 & 16  
ALL  
SECTIONS 18-19  
TOWNSHIP 7 SOUTH, RANGE 5 WEST, W.M.  
ALL  
SECTIONS 1-4  
ALL  
SECTIONS 11-14  
ALL  
SECTIONS 23-24  
TOWNSHIP 7 SOUTH, RANGE 6 WEST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

Pumpage from this permit shall not be for de-watering the aquifer in conjunction with mining operations.

#### STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

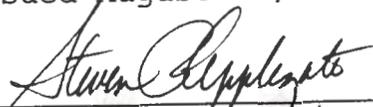
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued August 28, 1996

  
for Martha O. Pagel, Director  
Water Resources Department

Application G-13929  
Basin 02

Water Resources Department  
Volume 11A Salt Ck. & Misc.  
MGMT.CODE 7BG, 7BR, 7AG, 7AR

PERMIT G-12721  
District 16

TO: Water Rights Section

6/17 1996

FROM: Groundwater/Hydrology Section Marc A Norton

Reviewer's Name

SUBJECT: Application G- 13929

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) \_\_\_\_\_;
    - 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, 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.

13929

REMARKS: Pumpage from this permit shall <sup>not</sup> be used for dewatering the aquifer ~~in~~ in conjunction with a proposed mining operation

Supersedes 4/29/96 review

(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 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)

To: Bill Fujii <William.H.FUJII@wrд.state.or.us>  
From: Marc.A.NORTON@mailhub.wrд.state.or.us (Marc A. Norton)  
Subject: Re: Perrydale

Bill,

I have faxed these options to Frank and Gary, DOGAMI and Dennis at Health. Let me know what you think.

Option 1- Final and Blunt

Pumpage from this permit shall not be used for dewatering the aquifer in conjunction with a proposed mining operation.

Option 2- Leaves the door open a little

Pumpage from this permit shall not be used for dewatering the aquifer in conjunction with a proposed mining operation without the completion of a detailed hydrogeologic study. The study shall be done by a Oregon Registered Geologist. The proposed scope of study and the final report will be reviewed for acceptability by the Water Resources Department with input by the Health Division and the Department of Geology and Mineral Industries.

>Marc-

>

>Here's my shot at a short condition for Perrydale:

>

>No water from any mining operation may be utilized from these wells, nor can  
>these wells be utilized for control of seepage to or from any mining operation.

13929

TO: Water Rights Section April 29, 1996  
FROM: Groundwater/Hydrology Section Marc A Norton  
SUBJECT: Application G- 13929 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) \_\_\_\_\_;  
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: SEE MEMO dated 1/22/96. I also discussed this concept with Dennis Nelson at Health. This may not be the best solution. There are many concerns.

G-13929

**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 RESOURCES DEPARTMENT

MEMO

January 22, 1996

TO: File G-13929  
FROM: Marc Norton *MAN*  
Subject: Review of Groundwater Application G-13929

The Perrydale Domestic Water Association requested 4.0 CFS (About 1800 GPM) from the basalts in T7S/R5W-Sec 17. The plan is to mine the "top layers of basalt". The Water Association will manage the water level by drilling up to 18 wells around the quarry. The water would be put to a beneficial use. Water not needed by the Water Association would be sold to other nearby water associations.

There are many Water Well Reports in Sec 17 that do not penetrate basalt. There are several that penetrate several tens of feet of basalt and then enter the underlying marine sediments. None of the basalt wells produce very much water. It is very unlikely that the basalts could produce 1800 GPM. Any large development would have a major impact on the groundwater resource.

I contacted Polk County planning to determine if the land was zoned for aggregate production. The land has a Farm-Forest Zone. Aggregate exploration is allowed as a conditional use. If the source of rock is determined to have significant quality and quantity, it would have to go through the Goal 5 process with a aggregate overlay. At this time, that process has not been started.

I also contacted the Department of Geology and Mineral Industries to determine if a Reclamation Permit had been applied for or issued. There has not been any application to date.

The Willamette Basin Program requires that the Department to place special conditions on all permits in the Columbia River Basalts. Groundwater Application G-13929 proposes to pump water from the Siletz River Volcanics (Ground Water Report 28). I recommend Conditions 7B and 7C. Condition 7B allows the Department to regulate pumpage if there is significant interference with existing users. Condition 7C requires annual water level measurements and sets decline limits that would allow the Department to regulate to protect existing users.



**Water Right Conditions  
Tracking Slip**

*Groundwater/Hydrology Section*

FILE ## G-13929

ROUTED TO: W.R

TOWNSHIP/

RANGE-SECTION: 75/SW-17

CONDITIONS ATTACHED?  Yes  No

REMARKS OR FURTHER INSTRUCTIONS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Reviewer: Mare Norton

TO: Water Rights Section

1/22, 1996

FROM: Groundwater/Hydrology Section

Marc A Norton

Reviewer's Name

SUBJECT: Application G-13929

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 UnNamed Tribs; 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: SEE ~~APPENDIX~~ MEMO

Superseded by 4/29/96

(Well Construction Considerations on Reverse Side)

13929

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**

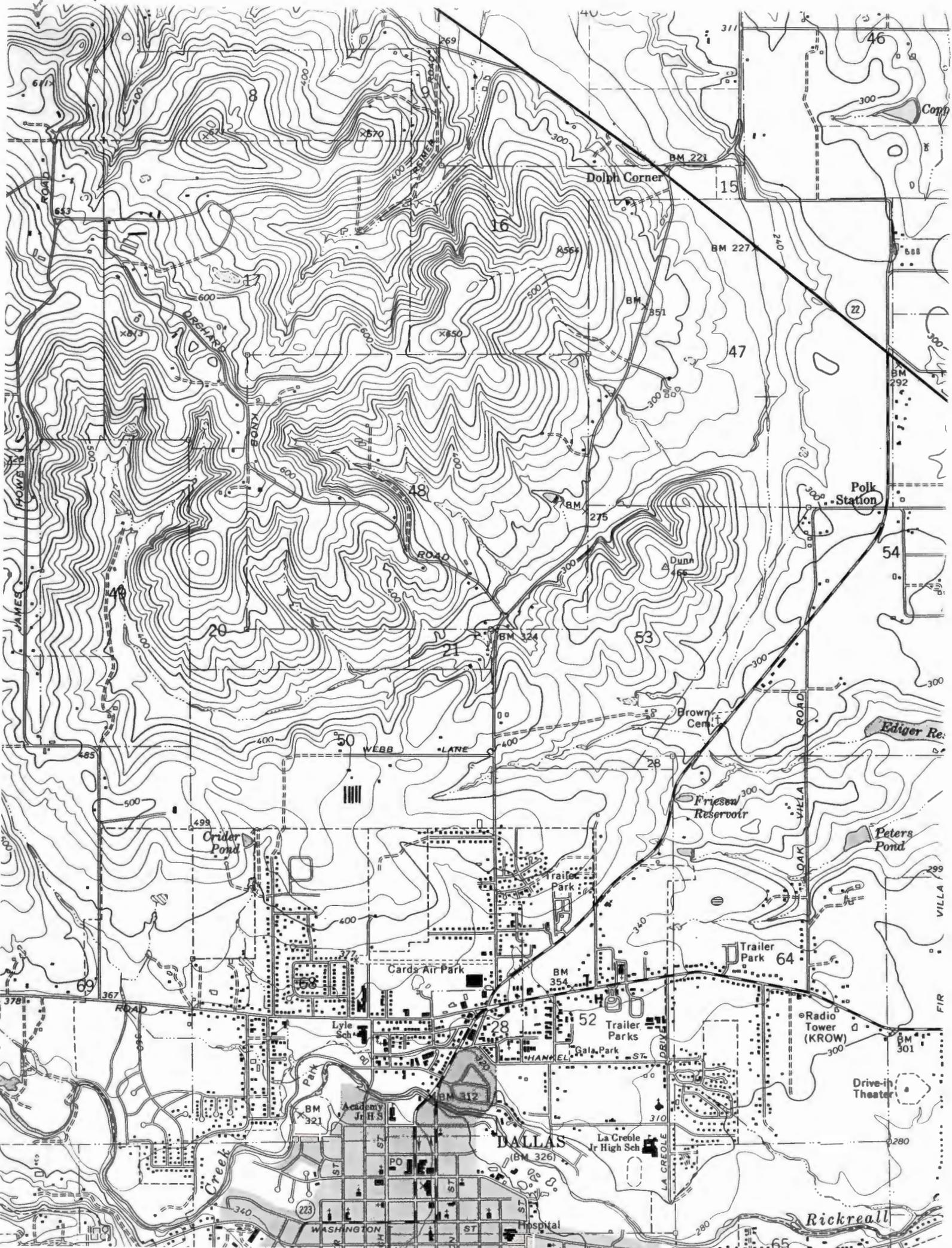
I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit

\_\_\_\_\_, 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)





PAGE 04  
needs Dallas Quad

# REVIEW CHECKLIST

FOR G- 13929

- Xerox appropriate parts of the stream index.
- Estimate number of wells within one mile radius and identify types.
- Verify that the well log is in application file. If not, provide one.
- List of state observation wells within five mile radius.
- List groundwater permits within five mile radius with extraordinary conditions.

## WELLS:

	DO						T
7S, 5W - 17	5						5
7	9						9
8	3						3
9	2						2
16	4						4
21	4						4
20	7						7
19	14						14
18	15						15

**OBSERVATION WELLS:**

**APPLICATIONS WITH PERMIT CONDITONS:**

*none found*

*none found*

RVW.CKLST

65 6W 65 5W  
 5 6W **7S5W**  
 35 6W 83 5W



Date: Mon, 6 May 1996 09:47:00 -0700

X-Sender: fujiiwh@mailhub.wrd.state.or.us

Mime-Version: 1.0

To: pagelmo@chetco.wrd.state.or.us (Martha O. Pagel)

From: Bill Fujii <William.H.FUJII@wrd.state.or.us>

Subject: Re: G-13929 Perrydale Domestic Water Association

Cc: Marc.A.NORTON@wrd.state.or.us, Dwight.W.FRENCH@wrd.state.or.us,  
Steven.P.APPLEGATE@wrd.state.or.us, Thomas.J.PAUL@wrd.state.or.us,  
Geoffrey.M.HUNTINGTON@wrd.state.or.us

Martha-

As you know this area of Polk County has a severe problem, I would really like to help them with this but, this application has a series of problems to overcome.

The first Division 9 review showed a problem with water availability, unfortunately the supporting memo was not included in the file until a few days ago. The initial review was not on the face of it incorrect. However, once I checked to see what the supporting document said and checked with Marc Norton, I realized that there is a fatal flaw in this application.

The problems with this applications are:

- 1) No point of diversion is specified.
- 2) the Service area is not described by 1/4 1/4
- 3) Water availability

and the other public interest issues are:

- 3) Some of the water proposed to be used would be from regulation of a proposed rock quarry. This is a difficult situation for us because of the well head protection issues. Also DEQ and the Health Division may have some concerns about this source because of the Health and Safety issues.
- 4) The Polk County comprehensive plan would need to be ammended to allow the proposed quarry, while this is not an issue for the Department, it would be inappropriate for the water supply issue to be a lever to open this quarry.

Ralph Christenson is the geologist involved in this project, we have not seen his analysis yet, perhaps there will be something he would have that would be good news for these folks. However, they still have a lot of work to do just from the application end of the job.

At 09:19 AM 5/6/96 -0700, you wrote:

>>Bill: What was in error in the initial review? Does your review indicate >they cannot get the water right? What happens next? Thanks. MOP

>

>Sorry if this is a duplicate. Eudora did something unusual and I'm not sure >>if it sent you a copy.

>>

>>>To: Steve Applegate, Dwight French, Marc Norton, Tom Paul

>>>From: Bill Fujii <William.H.FUJII@wrd.state.or.us>

>>>Subject: G-13929 Perrydale Domestic Water Association

>>>Cc: Geoff Huntington, Martha Pagel

>>>X-Attachments: C:\OFFICE\WPWIN\WPDOCS\PERRYDAL.FAX;

>>>

>>>After examining the file, I've determined that the positive IR was in  
>>error, I've called Martin Boatwright about this change in direction and  
>>needless to say he is upset. For your information I've attached the FAX  
>>memo that I sent to him this evening.

>>>

>>>I've cc'd Martha and Geoff because State Representative John Schoon is  
>>involved. The rest of you gentlemen are just likely to get a phone call and  
>>I thought you would like to know what was going on.

>>>

>>

>>Attachment Converted: C:\INTERNET\EUDORA14\PERRYDAL.FAX

>>

>

>

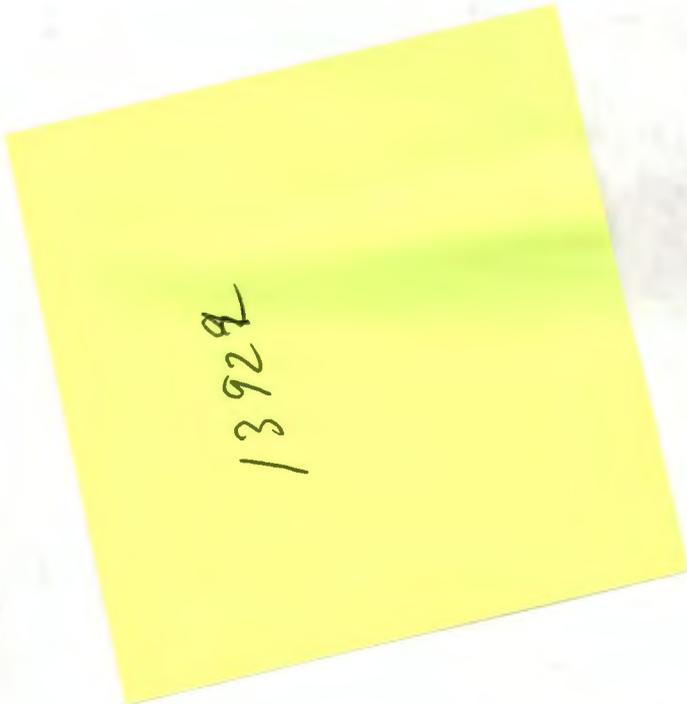
>

Date: Wed, 1 May 1996 21:06:24 -0700  
X-Sender: fujiiwh@mailhub.wrd.state.or.us  
Mime-Version: 1.0  
To: Steven.P.APPLEGATE@wrd.state.or.us, Dwight.W.FRENCH@wrd.state.or.us,  
Marc.A.NORTON@wrd.state.or.us, Thomas.J.PAUL@wrd.state.or.us  
From: Bill Fujii <William.H.FUJII@wrd.state.or.us>  
Subject: G-13929 Perrydale Domestic Water Association  
Cc: Geoffrey.M.HUNTINGTON@wrd.state.or.us, Martha.O.PAGEL@wrd.state.or.us  
X-Attachments: C:\OFFICE\WPWIN\WPDOCS\PERRYDAL.FAX;

After examining the file, I've determined that the positive IR was in error, I've called Martin Boatwright about this change in direction and needless to say he is upset. For your information I've attached the FAX memo that I sent to him this evening.

I've cc'd Martha and Geoff because State Representative John Schoon is involved. The rest of you gentlemen are just likely to get a phone call and I thought you would like to know what was going on.

Attachment converted: Macintosh HD:PERRYDAL.FAX (BINA/mdos) (00006132)



G-13929

Date: Thu, 2 May 1996 08:07:26 -0700  
X-Sender: fujiiwh@mailhub.wrd.state.or.us  
Mime-Version: 1.0  
To: Marc.A.NORTON@wrd.state.or.us  
From: Bill Fujii <William.H.FUJII@wrd.state.or.us>

## FAX MEMO

To: Martin Boatwright, Boatwright Engineering  
From: Bill Fujii, Water Resources  
May 1, 1996  
Subject: G-13929 Perrydale Domestic Water Association

Attached is the groundwater report I said that I would send to you. As you know changes in the statues has prompted expedited processing of all pending applications. These changes strongly lean toward the Department's assessment of water availability and the completeness of the applications.

I did not want to be the bearer of bad news but, since we have known each other for such a long time, I did not feel it was appropriate to just drop a negative Proposed Final Order out of the blue sky without the courtesy of a phone call.

Here is the situation as I see it:

The groundwater report does not show water available. This is a fatal flaw, if water is not available, the new statue presumes that issuing the permit is not in the public interest. If you have a groundwater report from Ralph Christensen, I would recommend you share that right away.

There is no legal description of a point of appropriation. This is a fatal flaw, without a specific point of appropriation a permit can not be issued.

The service area must be described by 1/4 1/4. Perrydale's service area is the only one required.

The description of the project portrays the water as at least partially recovered wastewater from a mining operation. This aspect of the project raises well head protection issues, as well as public health and safety issues.

If a permit was to be issued, it will contain standard language which will require the other permits and land-use authorizations. This will mean that Health Division and DOGAMI permits will be needed. Also the County's Comprehensive plan will need to be amended (Goal 5). I'm assuming that these processes are underway or could be completed before the "C" date of any permit from WRD.

Here are your options as I see them:

Proceed with the application as it stands, if it is denied, protest the Proposed Final Order. Let a hearings officer decide the merits of the application.

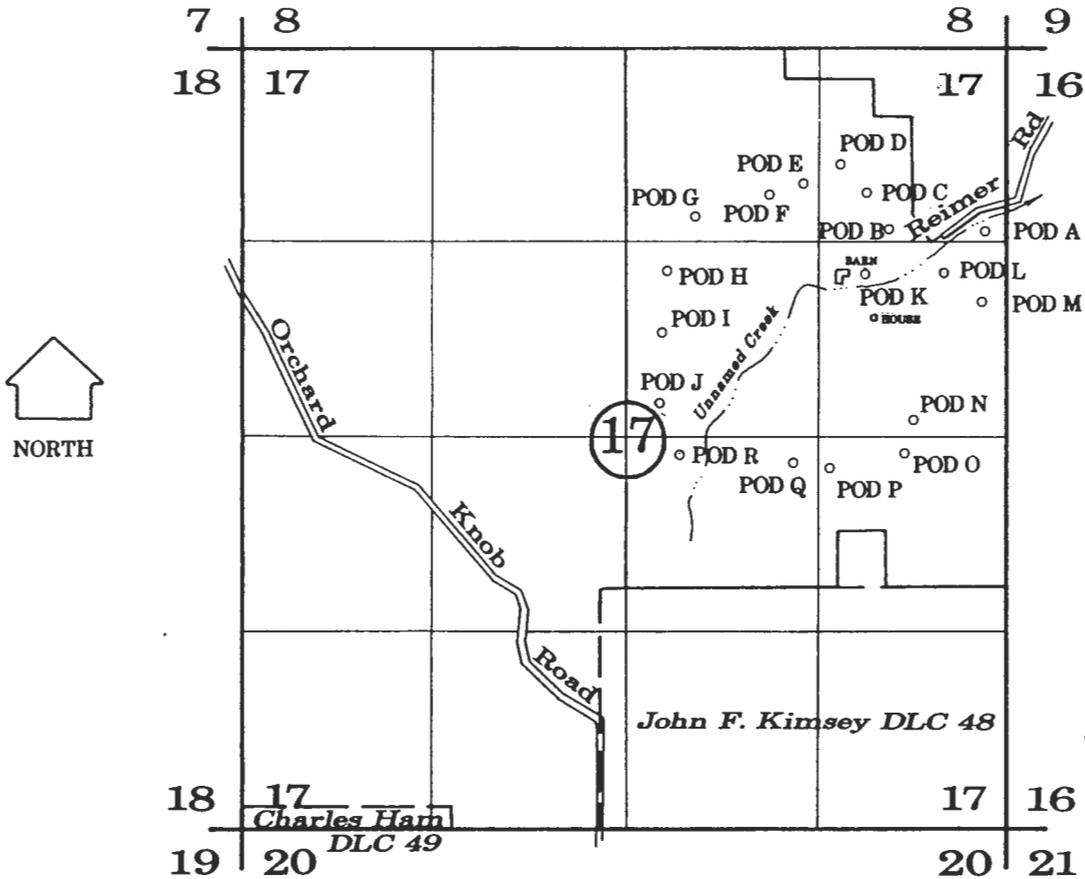
Request relief from the SB 674 process. This would have to be in written form, the Department has adopted an administrative rule OAR 690-310-270 (2), under this rule the applicant can request a 180 day extension. This may

give you the time to gather what ever data necessary to prove your case. A letter stating the reasons addressed to the section manager, Dwight French would do the job.

Let me know what you would like to do some time next week.

# T 7 S, R 5 W, W.M.

POLK COUNTY, OREGON

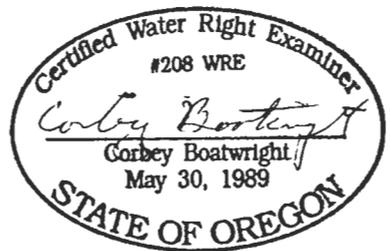


**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

Application No. G-13929, Permit No. \_\_\_\_\_



**NOTE:** This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.

Scale: 1" = 1320'

December 1, 1994  
rev. May 6, 1996

Perrydale Domestic Water Association

## APPLICATION TO APPROPRIATE GROUNDWATER

DIV PT A = 80' NORTH & 1150' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT C = 320' NORTH & 340' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT E = 410' NORTH & 100' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT G = 170' NORTH & 840' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT I = 600' SOUTH & 1050' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT K = 200' SOUTH & 340' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT M = 400' SOUTH & 1140' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT O = 110' SOUTH & 600' EAST OF THE NE COR OF THE NE 1/4, SE 1/4.  
 DIV PT Q = 170' SOUTH & 170' WEST OF THE NE COR OF THE NE 1/4, SE 1/4.

DIV PT B = 80' NORTH & 490' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT D = 530' NORTH & 180' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT F = 320' NORTH & 340' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT H = 200' SOUTH & 1030' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT J = 1100' SOUTH & 1060' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT L = 200' SOUTH & 880' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.  
 DIV PT N = 100' NORTH & 680' EAST OF THE NE COR OF THE NE 1/4, SE 1/4.  
 DIV PT P = 210' SOUTH & 100' EAST OF THE NE COR OF THE NE 1/4, SE 1/4.  
 DIV PT R = 90' SOUTH & 950' WEST OF THE NE COR OF THE NE 1/4, SE 1/4.

4  
5  
M T A  
Ponylter Quarry Site  
Kettner Road  
7-8-17, Tax Lots 100, 105 and 106

June 1995

Prepared by

DLR and Associates, Inc.  
2000 N. Portland Street  
Portland, Oregon 97227  
PH: 503 585 2222 FAX: 503 585 2222

FILED 17-2-1

MAY 7 1995

THE CLERK OF THE DISTRICT COURT  
SALAS, OREGON

**DRAFT**

**Fowler Quarry Site  
Reimer Road  
7 - 5 - 17, Tax Lots 100, 105 and 106.**

**June, 1995**

**Prepared by**

**EGR and Associates, Inc.  
2545 K Prairie Road  
Eugene, Oregon 97402  
Ph (503) 688-8322, FAX (503) 688-8087**

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT  
SALEM, OREGON**

Table of Contents

DRAFT

BACKGROUND..... 1

    Purpose ..... 1

    Location ..... 1

    Climate..... 1

    Geography ..... 2

    Regional Geology ..... 2

    Regional Hydrogeology ..... 2

SITE GEOLOGY..... 3

SITE HYDROGEOLOGY..... 4

BASALT RESOURCES..... 4

WATER RESOURCES..... 5

METHODS OF EXTRACTION FOR ROCK AND WATER..... 6

IMPACTS TO OFF-SITE WATER USERS..... 7

SUMMARY ..... 8

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

**Fowler Quarry Site  
Reimer Road  
Township 7 South, Range 5 West, Section 17, Tax  
Lots 100, 105 and 106.**

**DRAFT**

**Background**

*Purpose*

This study was conducted at the request of Mr. Jim Fowler of James W. Fowler Company, 12775 Westview Drive, Dallas, Oregon, 97338. The purpose of the study is to determine the general extent of basalt on the Fowler property and surrounding parcels, and the impact the quarry might have on existing and potential water supplies in the area. Wells of greater capacity, relative to other sources in the vicinity, have been found in the basalts on the Fowler property. By examining the site, reviewing well logs, and performing water balance calculations the overall geology and hydrogeology of the area can be evaluated.

Potentially, the water that is found in the basalts could be used by the Perrydale Domestic Water Association, which has prepared a water right application for water from this location. Therefore to fulfill the two goals of extracting basalt quarry rock for construction and extraction drinking water from the basalt requires balancing the impacts of each on the whole. Removing rock from the wrong place could impact the water supply by removing the storage and transmissivity upon which the water supply ultimately depends. Removal and use of the water from this site could aid the quarry in disposing of excess water and produce revenue to make the quarry site more economically viable.

*Location*

The Fowler quarry site is located in Polk County approximately 2.5 miles north of Dallas, Oregon. Map and Tax Lot number is 07-05-17-00 00100, 00105, and 00106. The property is in the northeast corner of Section 17, Township 7 South, Range 5 West, Willamette Meridian.

*Climate*

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

The climate in the Mid-Willamette Valley is temperate-marine (Mediterranean) with mild wet winters and moderate dry summers. Average annual rainfall at Dallas, Oregon is 50.6 inches with an annual evapotranspiration of about 25 inches. Summer temperatures average 66 degrees in July and winter temperatures average 39 degrees in January.

### *Geography*

The site is located in rolling foothills of the Coast Range on the western side of the Willamette Valley. Slopes are generally moderate but locally are steep. Drainages are dendritic on the subject property, but nearby areas have trellised drainages indicative of structural control of erosion along joints and fractures. Some bedding controlled slopes appear to be established both west and east of the subject property.

### *Regional Geology*

The regional geology of the area is made up of bedrock units of marine volcanics of the Siletz River Volcanics overlain by sedimentary rocks of the Yamhill Formation. The Siletz River Volcanics are submarine volcanic flows and intrusions (dikes and sills) characterized by pillow lavas, lapilli tuffs, and some interlayering of tuffaceous sandstones, mudstones and siltstones. The Yamhill Formation is sandstones, shales, siltstones, and mudstones with some interlayers of volcanic flows including submarine pillow lavas. Locally intruded into these two formations are dikes and sills of basalts of younger ages. All of these units are poorly exposed in the low hills along the western side of the Willamette Valley and the area surrounding Dallas and the quarry site. The rocks are generally well weathered and thus deep soils are developed overlying the bedrock units. The bedding generally dips to the east along the western margin of the Coast Range.

In the intervening stream valleys have relatively thin deposits of generally fine grained (silt and clay) alluvium have been deposited as a result of ongoing erosion.

### *Regional Hydrogeology*

The alluvial materials and bedrock of the Dallas area are poor producers of water to wells. The permeability of both the alluvium and the bedrock is low, meaning that ground water does not move easily through the rock. The rock itself has permeability based upon its fracture pattern. Groundwater tends to move only through the fractures or breaks in the rock. The sandstones,

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

shales and mudstones have few fractures and ones that do appear are often filled with clay or silts. There generally is no primary porosity (spaces between the sand grains of a sandstone, for example). The result is that the ability of water to move through these rock units is restricted and the resulting flow from wells correspondingly low..

Basalt rocks tend to be more highly fractured than sedimentary rocks and therefore have proven to be relatively better producers of water in this area. However, the basalts are not wide spread and locally are as impermeable as any sedimentary rocks. This limits both their overall ability to produce water (they only gather water from a limited area) and it limits their accessibility to water users.

## Site Geology

The Fowler property is underlain by both sedimentary rocks (probably Yamhill Formation) and basalts (probably Siletz River Volcanics). According to previous geologic mapping the area north, east, and south of the property is underlain by Yamhill Formation sediments with a large exposure of the Siletz River Volcanics protruding into the property from the west. To the west of this property the geology is mapped as Siletz River Volcanics. Thus it appears the overlying Yamhill Formation has been eroded off the Siletz River Volcanics.

The exact interrelationship of the volcanic rocks and the sedimentary rocks is not sufficiently exposed to clearly determine the exact configuration of the contact. In fact it is not clearly known if the volcanic rocks on the Fowler property are Siletz River Volcanics, a volcanic section of the Yamhill Formation or a later intrusion of volcanic rocks. The rocks, as exposed, could be any of the three possibilities listed above.

The basalt is exposed from the lower elevations at center of the property to the highest elevations on the west side of the property. The Aime/McGuffy properties (to the west of the property) report basalts in the wells drilled there, as well as, basalt being reported on the well logs of properties extending further to the west and northwest. Toward the east, and southeast the bedrock is generally all sandstones and shales according to the driller's logs. Qualitatively the bedrock differences can be differentiated by soil colors where soils derived from basalts often appear a reddish brown while those soils derived from the sedimentary rocks are more often brown, tan to beige in color. Though this distinction is not so unique that it can be used universally, the soils colors do tend to mimic the information from well logs.

**RECEIVED**

MAY 6 1996

The well logs and the on-site drilling program conducted to test the extent of the basalt on the lower portion of the property indicate a reasonable thickness of basalt and aerial extent. This drilling program also identified a potentially usable quantity of water, perhaps from some significant open fractures in the basalt (or open tubes within lava flows).

The relationship between the basalt and the sedimentary rocks is not presently clear. Regionally the basalts are both concordant with the bedding (flows and sills) and cross cutting in nature (dikes and irregular intrusions). The age of the basalt mass exposed at the Fowler property is not known and it could be from various ages and sources, but most likely the basalts are part of the Siletz River Volcanics. Given the northeast dip of the sediments on the site (as observed just north of the Fowler barn) and the wide elevation range and the distribution of the basalt in outcrop (and soil color) and well logs the basalt could be concordant with the bedding or cross cutting, or a combination of the two. Where exposed the basalts appear to be either massive flows or shallow intrusions (dikes and sills). The rock appears to be of excellent aggregate quality below the weathering zone.

## Site Hydrogeology

The basalt aquifer receives its water from precipitation. The quantity of water is dependent upon the rainfall amounts, the quantity which runs off, the quantity which evaporates or is transpired back into the air by plants (evapotranspiration), and the quantity which soaks into the ground and is stored as groundwater. Depending upon the ability of the rocks and soils to transmit that water from storage to a well the aquifer can produce sufficient water to satisfy a required use.

The sedimentary rocks of the area have few fractures in which to store groundwater or move it to wells. Generally, these rocks will only supply sufficient water for single family residences. Basalt's can have more extensive fractures and potentially will supply water for larger numbers of residences or other uses. The quantity that can be supplied from the basalt depends upon the aerial extent of the basalt (how much recharge area the basalt collects recharge from, and how much of the surrounding sedimentary rock can the basalt also draw from), and how much of the ground water in the basalt is lost because it can escape through springs and seeps.

## Basalt Resources

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

Basalt resources appear to be sufficiently large to be economically viable. Basalt is seen from the lowest levels of the property, near the original house and barn up through the upper portions of the property to the west. It is presently unknown how much of the site is underlain by basalt and to what extent this basalt is mixed with sedimentary rocks or weathered basalts of low grade, but more than enough exists to make this a viable site for rock extraction.. The Siletz River Volcanics can also be expected to underlie the sedimentary rocks in many places on the Fowler Property.

According to the abrasion test, there is good quality rock. The rock exposed on the site now is well fractured making excavation appear easy, but the exposures are too limited to draw substantial conclusions with regard to the need for blasting, ripping or other specific extraction methods. Some limited additional exploration excavation should be conducted to ascertain the extent of the deposits as they lie on the subject property.

Additional exploration should take place to the south and west of the site of boring #1 and #1A. This exploration should continue up the slope to the west and north and south along the slope to first determine the aerial extent of basalt outcropping. This can be followed by a drilling program if it appears the aerial extent is available to justify it, or that the basalt may be buried relatively shallow to permit economic extraction.

## Water Resources

Borings into the basalt at the lower portion of the Fowler property revealed confined water within the basalt that yielded at least one flowing artesian well. This water was test pumped at 50 gpm and 68 gpm flows (it flowed approximately 30 gpm from artesian head at the surface). This is the highest production well in the area and has a relative transmissivity, a measure of an aquifer's ability to produce water, of over 80,000 (based upon the specific yield).

The average flow for wells in this area is about 17 gpm with a median and mode of 10 gpm. This means there are few good producers and most wells will be 10 gpm or less. The average depth is 180 feet. The average transmissivity is 6,000 with a median of 1,000 and a mode of 550. This is consistent with the flow data and indicates a few higher production wells skew the averages up while the majority of wells are of low flow.

The average recharge to be expected from the watershed at this site is as follows:

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

- Estimated area of watershed about 3/4 mile square = 480 acres.
- Precipitation = 51 inches per year = Total 665 million gallons
- Evapotranspiration (ET) = 25 inches per year = Total 287 million gallons
- Runoff = 35% = Total 233 million gallons
- Recharge calculated by overall balance = 145 million gallons (rainfall minus precip., ET, and Runoff)
- Recharge by soils balance methods = if 4 inches per year = Total 52 million gallons: if 7 inches per year = Total 91 million gallons

The range of values for recharge calculated from soils water balance is less than the value derived from the gross overall water budget. This is because the soils calculations are more conservative. Only a fraction of the quantity of water that is recharged will be recoverable, therefore, the amount that can be recovered will be significantly less than 52 million gallons per year (the most conservative estimate). If 20 million gallons per year can be recovered (14% to 44%, depending upon actual recharge) then approximately 40 gpm could be safely recovered. Whether this amount or more is available will be determined with testing.

## Methods of Extraction for Rock and Water

As more specific information is generated about the actual distribution of the basalt and sedimentary rock units (through initial excavations) more refined excavation plans can be formulated. However, what is known can form the basis of an initial working plan for the quarry and water removal.

Recharge will generally take place at the top of the ridges and discharge of ground water will take place along the bottom of the valleys and ravines. Therefore, extraction of rock should, to the extent possible, take place along the highest elevations (in the recharge areas) and leave the lower portions of the basalt for storage and transmission of groundwater. This method can even increase the quantity of recharge; since soils can play a large part in restricting the flow of rainfall from recharging the fractures in the basalt.

To the extent possible the excavations should be completed so that they can later be restricted forming a water holding facility once the rock resources are exhausted. This will aid in future recharge and limit the amount of groundwater that is discharged due to excavating into the piezometric surface. By constructing the excavation as an enclosed basin, with one drainage outlet, the outlet can be dammed with ease and the water retained.

Excavation of the basalt should be restricted from the lower elevations until it becomes necessary to do so. Then, potentially, the site can be converted to

**RECEIVED**

MAY 6 1996

a surface water supply rather than groundwater if excavation proves to be detrimental to the well water supply. Only as long as there is basalt rock of some substantial volume present in the lower elevations will a long term groundwater supply from the basalt remain viable.

Water extraction can take place from wells drilled into the basalt. Some exploration/production wells can be constructed both at the bottom of the property (if sufficient thickness of basalt is present), and at the higher elevations to intercept water before it reaches the active excavation pits. If pits are excavated into the water table (piezometric surface) it is possible to capture the water as it leaves the pit and treat it as a surface water source and provide water in that manner as well. Though this second alternative will be more expensive to operate the value of the water, in this water poor area, will likely significantly exceed the expense.

### Impacts to Off-site Water Users

Wells are the only source of water to off-site home owners surrounding the subject property. It is reasonable for these home owners to be concerned that an excavation will have an effect upon the groundwater resource on which they rely for water supply. This is particularly true in an areas where water resources are already acknowledged as scarce.

The excavation of the basalt will only lower the water table (piezometric surface) if the excavation extends into the water table and drains away that water. Throughout the site groundwater is already draining from the area through springs and seeps which can be found at many elevation along the stream valleys and ravines of the subject property. If sufficient aerial extent of useable basalt can be located then excavations can be limited in depth so that the impact to the water table is minimized. Construction (excavation) techniques for the rock extraction pits can be used to also hold water and enhance recharge to the ground water system.

For wells located more than several hundred feet from the excavation it is unlikely that significant impact will occur because the permeability of the formations, particularly the sedimentary ones, are so low that the impact will not spread a greatly from the excavation boundaries. Though this is generally true there may be some rare exceptions and some provisions should be made for these wells.

Testing of well levels prior to excavation and regularly during the excavation process should be instituted to protect the quarry from charges of lowering water tables when those lower water tables result from the overuse of the well by the well owner; and to protect well owners who are truly damaged by

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

the basalt excavations. Only those surrounding wells completed into basalt are reasonably likely to be affected by the excavation.

The average depth to water is over 50 feet from ground surface. Therefore in the upper elevations the excavation of 50 to 80 feet of basalt rock can likely be accomplished without directly impacting the water table nor surrounding wells. A set of monitoring wells between the excavation and the surrounding neighbors may be prudent if deeper excavations are to be attempted (> 50 feet).

Maps and cross sections of the potential layout of the basalt are shown. Schematic of water supply from the sediments to the basalt to the wells and storage areas are also shown for understanding the potential system. Exploration scheme maps are also provided for determining the aerial extent of the basalt.

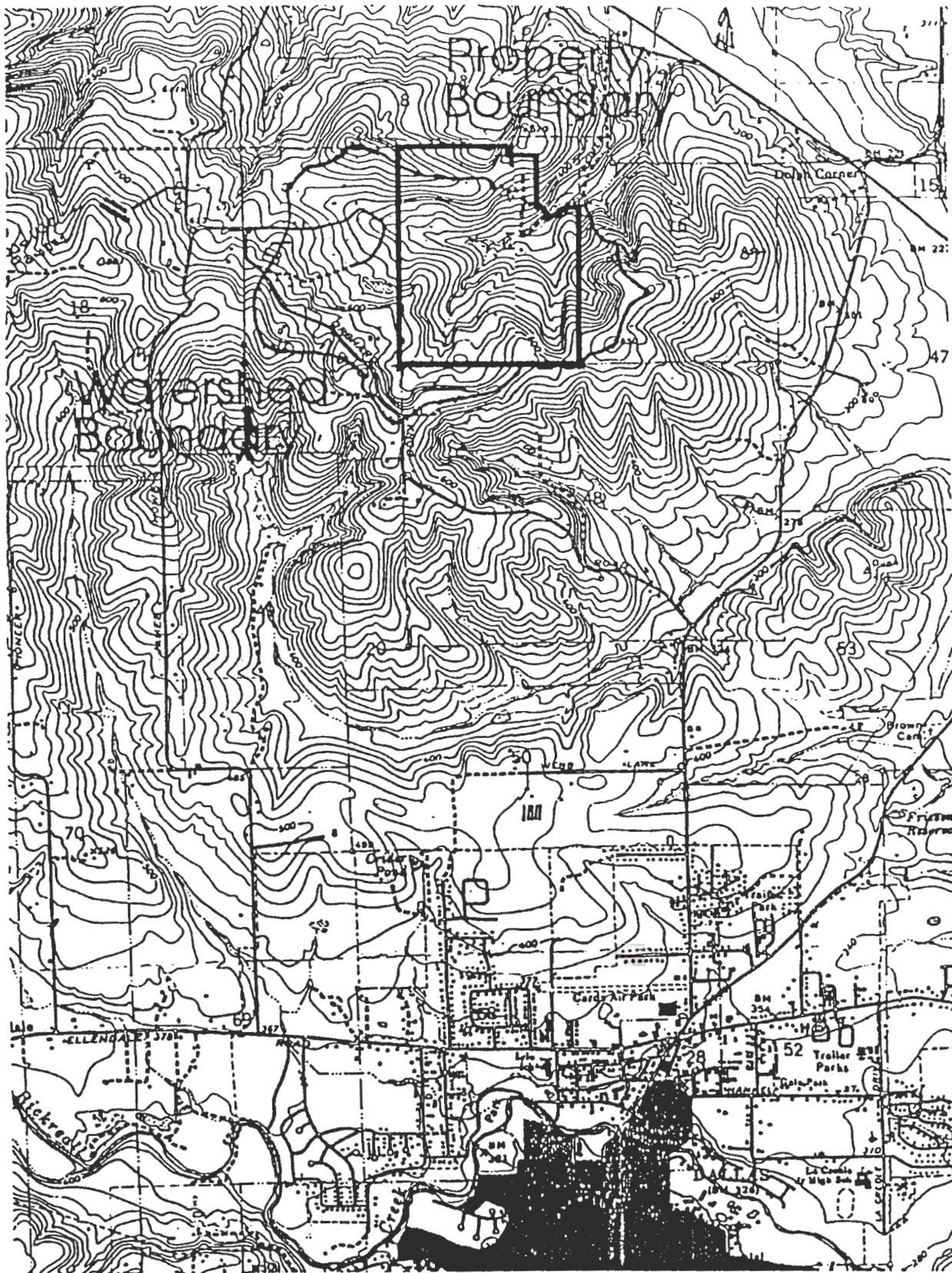
## Summary

The site appears well suited to basalt extraction. Not damaging the on-site groundwater resource will require careful planning of the layout, depth, sequencing and configuration of the basalt excavation. By matching the excavation, monitoring, and operational parameters the neighbors can readily be protected from damage by the quarry. Most will not be affected in any way. At least temporary the quarry site can provide water to the Perrydale Water District, and likely permanently. The site appears to have economically viable quantities of basalt rock reserves, though more careful testing will be required to assess the actual most feasible methods of extraction, water utilization (and protection for surrounding users), and the most economical method of utilization.

**RECEIVED**

**MAY 6 1996**

WATER RESOURCES DEPT  
SALEM, OREGON



**RECEIVED**

MAY 6 1996

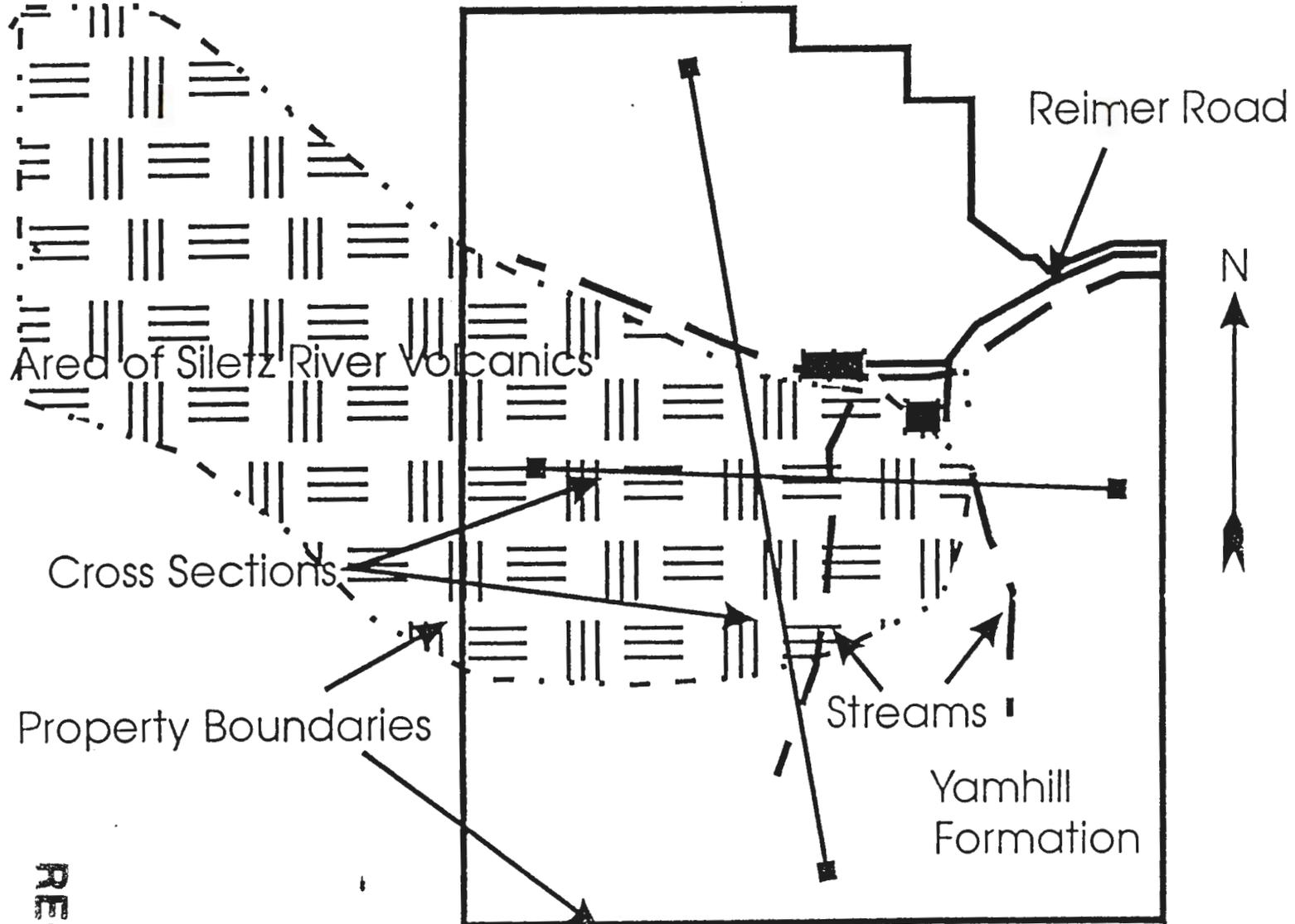
WATER RESOURCES DEPT  
SALEM, OREGON

 **EGR & Associates, Inc.**  
Engineers, Geologists and Surveyors  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Area Map

FIGURE 1

# Fowler Property Map (not to scale)



WATER RESOURCES DEPT  
SALEM, OREGON

MAY 6 1996

RECEIVED

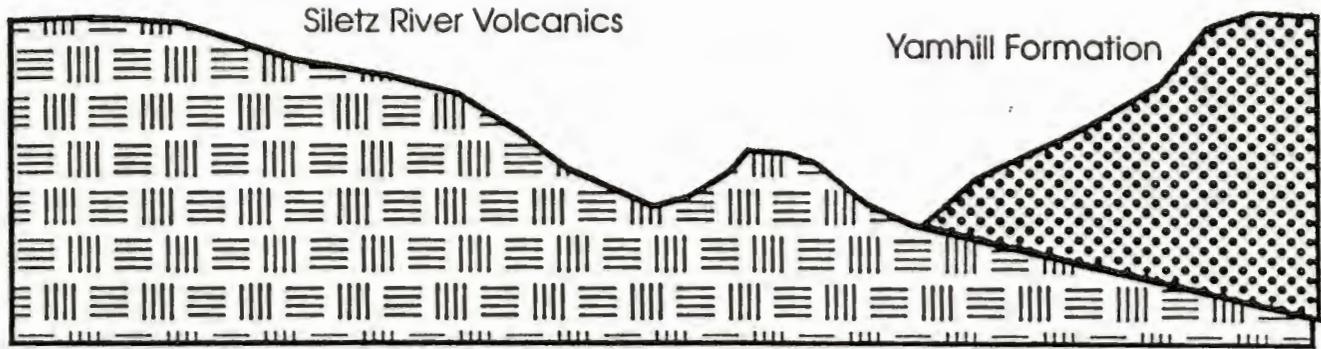
 **EGR & Associates, Inc.**  
Engineers, Geologists and Surveyors  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Property Map  
FIGURE 2

Fowler Property Quarry

West

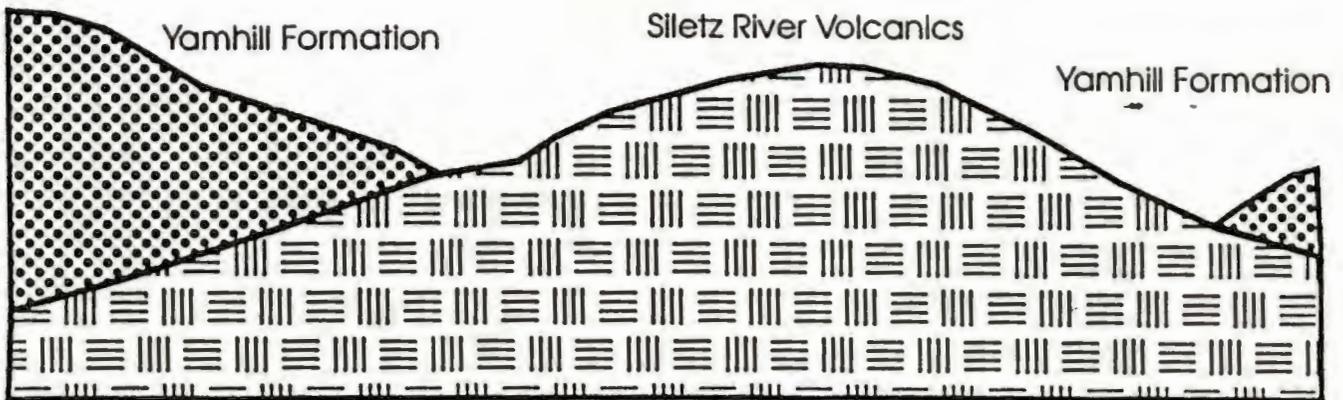
East



Scales?  
What is under the SRV

South

North



RECEIVED

MAY 6 1996

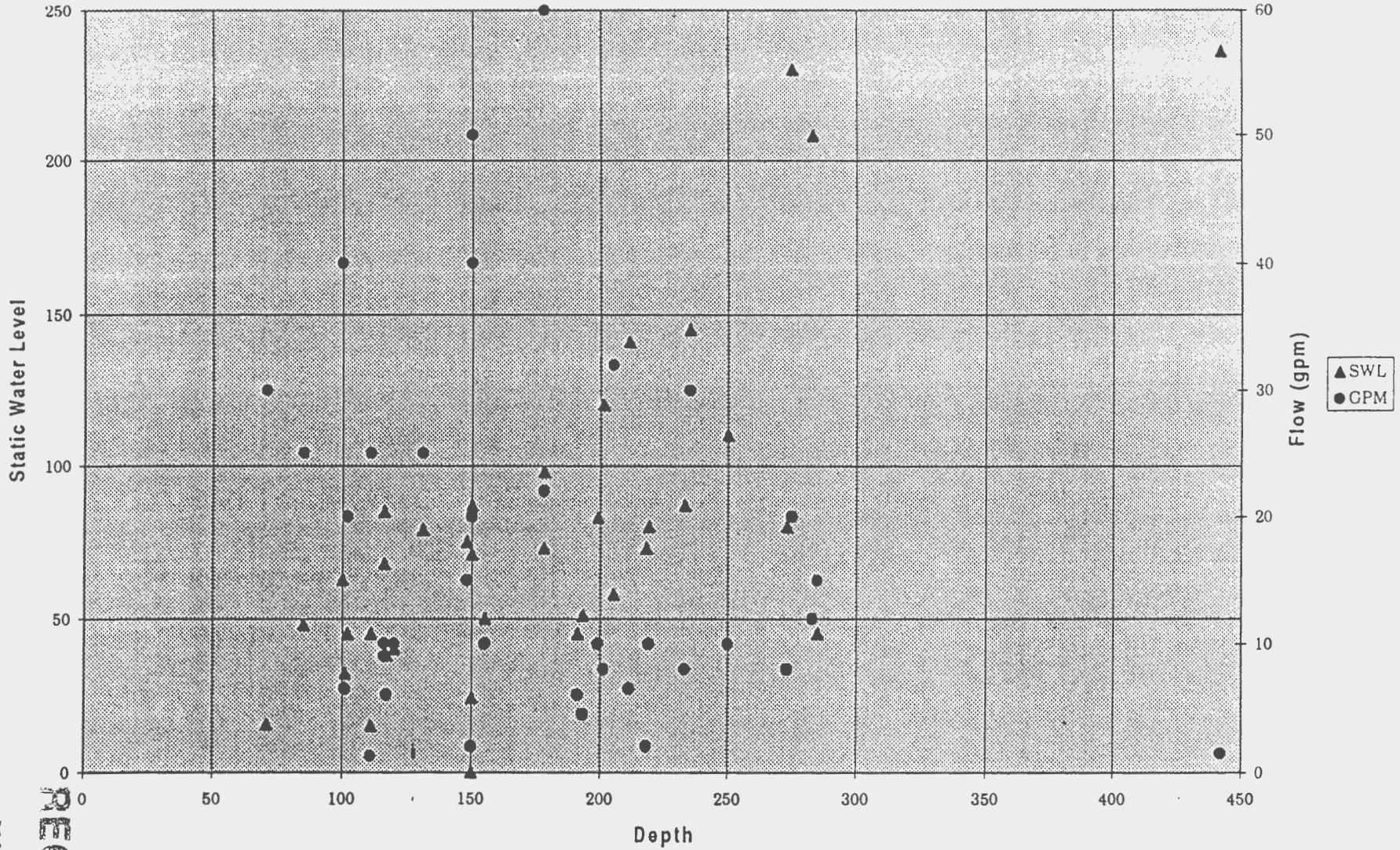
WATER RESOURCES DEPT  
SALEM, OREGON

 **EGR & Associates, Inc.**  
Engineers, Geologists and Surveyors  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Cross Sections

FIGURE 3

### Static Water Level and Flow, vs. Depth



Recharge Rate Calculations Using the Penn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.33	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	64.59	0.00	0.00	0.00	0.00	0.00	0.00	15.48	13.92	11.86	9.11	7.34	6.88
SOIL MSTR	146.98	8.12	11.31	14.96	16.00	16.00	16.00	15.48	13.92	11.86	9.11	7.34	6.88
CHG.SM	0.00	1.25	3.19	3.64	1.04	0.00	0.00	-0.52	-1.56	-2.06	-2.76	-1.77	-0.46
ACT.ET	23.10	2.06	1.03	0.52	0.26	0.77	1.29	2.12	2.91	3.43	3.44	2.87	2.39
RECH	3.94	0.00	0.00	0.00	2.17	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	16.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.33		10 IN	0.00									
gal/day/acre	293.14		8 IN	0.00									
acres/du	3.41		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

Recharge Rate Calculations Using the Penn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	56.51	0.00	0.00	0.00	0.00	0.00	0.00	13.55	12.18	10.38	7.97	6.42	6.02
SOIL MSTR	130.23	7.26	10.45	14.00	14.00	14.00	14.00	13.55	12.18	10.38	7.97	6.42	6.02
CHG.SM	0.00	1.25	3.19	3.55	0.00	0.00	0.00	-0.45	-1.36	-1.80	-2.41	-1.55	-0.40
ACT.ET	21.96	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.72	3.17	3.10	2.65	2.34
RECH	5.08	0.00	0.00	0.10	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	14.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.42		10 IN	0.00									
gal/day/acre	377.97		8 IN	0.00									
acres/du	2.65		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

**RECEIVED**  
 MAY 6 1996  
 WATER RESOURCES DEP  
 SALEM, OREGON

Recharge Rate Calculations Using the Penn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.37	-10.89	-11.79
TABLE VALUE	48.44	0.00	0.00	0.00	0.00	0.00	0.00	11.61	10.44	8.90	6.33	5.50	5.16
SOIL MSTR	112.44	6.40	9.60	12.00	12.00	12.00	12.00	11.61	10.44	8.90	6.33	5.50	5.16
CHG.SM	0.00	1.25	3.19	2.40	0.00	0.00	0.00	-0.39	-1.17	-1.54	-2.07	-1.33	-0.34
ACT.ET	20.82	2.06	1.03	0.52	0.26	0.77	1.29	1.99	2.52	2.92	2.75	2.43	2.28
RECH	6.22	0.00	0.00	1.24	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	12.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.52		10 IN	0.00									
gal/day/acre	462.80		8 IN	0.00									
acres/du	2.16		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

RECEIVED

MAY 6 1996

WATER RESOURCES DEP  
SALEM, OREGON

Recharge Rate Calculations Using the Penn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	40.37	0.00	0.00	0.00	0.00	0.00	0.00	9.68	8.70	7.41	5.69	4.58	4.30
SOIL MSTR	94.65	5.54	8.74	10.00	10.00	10.00	10.00	9.68	8.70	7.41	5.69	4.58	4.30
CHG.SM	0.00	1.25	3.19	1.26	0.00	0.00	0.00	-0.32	-0.97	-1.29	-1.72	-1.11	-0.29
ACT.ET	19.68	2.06	1.03	0.52	0.26	0.77	1.29	1.93	2.33	2.66	2.41	2.21	2.22
RECH	7.36	0.00	0.00	2.38	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	10.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.61		10 IN	0.00									
gal/day/acre	547.63		8 IN	0.00									
acres/du	1.83		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

**RECEIVED**  
 MAY 6 1996  
 WATER RESOURCES DEPT  
 SALEM, OREGON

DRAFT

Fowler Quarry Site  
Retmer Road  
7 - 8 - 17, Tax Lots 100, 105 and 106.

June, 1995

Prepared by  
DICK and Associates, Inc.  
2625 K Pacific Road  
Eugene, Oregon 97402  
Ph (503) 688-3322 FAX (503) 688-3024

RECEIVED

MAY 6 1995

MATERIAL RESOURCE MANAGEMENT  
STATE OF OREGON

**DRAFT**

**Fowler Quarry Site  
Reimer Road  
7 - 5 - 17, Tax Lots 100, 105 and 106.**

**June, 1995**

**Prepared by**

**EGR and Associates, Inc.  
2545 K Prairie Road  
Eugene, Oregon 97402  
Ph (503) 688-8322, FAX (503) 688-8087**

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT  
SALEM, OREGON**

Table of Contents

DRAFT

BACKGROUND..... 1

    Purpose ..... 1

    Location ..... 1

    Climate..... 1

    Geography ..... 2

    Regional Geology..... 2

    Regional Hydrogeology ..... 2

SITE GEOLOGY..... 3

SITE HYDROGEOLOGY..... 4

BASALT RESOURCES..... 4

WATER RESOURCES..... 5

METHODS OF EXTRACTION FOR ROCK AND WATER..... 6

IMPACTS TO OFF-SITE WATER USERS..... 7

SUMMARY ..... 8

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

**Fowler Quarry Site  
Reimer Road  
Township 7 South, Range 5 West, Section 17, Tax  
Lots 100, 105 and 106.**

**DRAFT**

**Background**

*Purpose*

This study was conducted at the request of Mr. Jim Fowler of James W. Fowler Company, 12775 Westview Drive, Dallas, Oregon, 97338. The purpose of the study is to determine the general extent of basalt on the Fowler property and surrounding parcels, and the impact the quarry might have on existing and potential water supplies in the area. Wells of greater capacity, relative to other sources in the vicinity, have been found in the basalts on the Fowler property. By examining the site, reviewing well logs, and performing water balance calculations the overall geology and hydrogeology of the area can be evaluated.

Potentially, the water that is found in the basalts could be used by the Perrydale Domestic Water Association, which has prepared a water right application for water from this location. Therefore to fulfill the two goals of extracting basalt quarry rock for construction and extraction drinking water from the basalt requires balancing the impacts of each on the whole. Removing rock from the wrong place could impact the water supply by removing the storage and transmissivity upon which the water supply ultimately depends. Removal and use of the water from this site could aid the quarry in disposing of excess water and produce revenue to make the quarry site more economically viable.

*Location*

The Fowler quarry site is located in Polk County approximately 2.5 miles north of Dallas, Oregon. Map and Tax Lot number is 07-05-17-00 00100, 00105, and 00106. The property is in the northeast corner of Section 17, Township 7 South, Range 5 West, Willamette Meridian.

*Climate*

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

The climate in the Mid-Willamette Valley is temperate-marine- (Mediterranean) with mild wet winters and moderate dry summers. Average annual rainfall at Dallas, Oregon is 50.6 inches with an annual evapotranspiration of about 25 inches. Summer temperatures average 66 degrees in July and winter temperatures average 39 degrees in January.

### *Geography*

The site is located in rolling foothills of the Coast Range on the western side of the Willamette Valley. Slopes are generally moderate but locally are steep. Drainages are dendritic on the subject property, but nearby areas have trellised drainages indicative of structural control of erosion along joints and fractures. Some bedding controlled slopes appear to be established both west and east of the subject property.

### *Regional Geology*

The regional geology of the area is made up of bedrock units of marine volcanics of the Siletz River Volcanics overlain by sedimentary rocks of the Yamhill Formation. The Siletz River Volcanics are submarine volcanic flows and intrusions (dikes and sills) characterized by pillow lavas, lapilli tuffs, and some interlayering of tuffaceous sandstones, mudstones and siltstones. The Yamhill Formation is sandstones, shales, siltstones, and mudstones with some interlayers of volcanic flows including submarine pillow lavas. Locally intruded into these two formations are dikes and sills of basalts of younger ages. All of these units are poorly exposed in the low hills along the western side of the Willamette Valley and the area surrounding Dallas and the quarry site. The rocks are generally well weathered and thus deep soils are developed overlying the bedrock units. The bedding generally dips to the east along the western margin of the Coast Range.

In the intervening stream valleys have relatively thin deposits of generally fine grained (silt and clay) alluvium have been deposited as a result of ongoing erosion.

### *Regional Hydrogeology*

The alluvial materials and bedrock of the Dallas area are poor producers of water to wells. The permeability of both the alluvium and the bedrock is low, meaning that ground water does not move easily through the rock. The rock itself has permeability based upon its fracture pattern. Groundwater tends to move only through the fractures or breaks in the rock. The sandstones,

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

shales and mudstones have few fractures and ones that do appear are often filled with clay or silts. There generally is no primary porosity (spaces between the sand grains of a sandstone, for example). The result is that the ability of water to move through these rock units is restricted and the resulting flow from wells correspondingly low..

Basalt rocks tend to be more highly fractured than sedimentary rocks and therefore have proven to be relatively better producers of water in this area. However, the basalts are not wide spread and locally are as impermeable as any sedimentary rocks. This limits both their overall ability to produce water (they only gather water from a limited area) and it limits their accessibility to water users.

## Site Geology

The Fowler property is underlain by both sedimentary rocks (probably Yamhill Formation) and basalts (probably Siletz River Volcanics). According to previous geologic mapping the area north, east, and south of the property is underlain by Yamhill Formation sediments with a large exposure of the Siletz River Volcanics protruding into the property from the west. To the west of this property the geology is mapped as Siletz River Volcanics. Thus it appears the overlying Yamhill Formation has been eroded off the Siletz River Volcanics.

The exact interrelationship of the volcanic rocks and the sedimentary rocks is not sufficiently exposed to clearly determine the exact configuration of the contact. In fact it is not clearly known if the volcanic rocks on the Fowler property are Siletz River Volcanics, a volcanic section of the Yamhill Formation or a later intrusion of volcanic rocks. The rocks, as exposed, could be any of the three possibilities listed above.

The basalt is exposed from the lower elevations at center of the property to the highest elevations on the west side of the property. The Aime/McGuffy properties (to the west of the property) report basalts in the wells drilled there, as well as, basalt being reported on the well logs of properties extending further to the west and northwest. Toward the east, and southeast the bedrock is generally all sandstones and shales according to the driller's logs. Qualitatively the bedrock differences can be differentiated by soil colors where soils derived from basalts often appear a reddish brown while those soils derived from the sedimentary rocks are more often brown, tan to beige in color. Though this distinction is not so unique that it can be used universally, the soils colors do tend to mimic the information from well logs.

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

The well logs and the on-site drilling program conducted to test the extent of the basalt on the lower portion of the property indicate a reasonable thickness of basalt and aerial extent. This drilling program also identified a potentially usable quantity of water, perhaps from some significant open fractures in the basalt (or open tubes within lava flows).

The relationship between the basalt and the sedimentary rocks is not presently clear. Regionally the basalts are both concordant with the bedding (flows and sills) and cross cutting in nature (dikes and irregular intrusions). The age of the basalt mass exposed at the Fowler property is not known and it could be from various ages and sources, but most likely the basalts are part of the Siletz River Volcanics. Given the northeast dip of the sediments on the site (as observed just north of the Fowler barn) and the wide elevation range and the distribution of the basalt in outcrop (and soil color) and well logs the basalt could be concordant with the bedding or cross cutting, or a combination of the two. Where exposed the basalts appear to be either massive flows or shallow intrusions (dikes and sills). The rock appears to be of excellent aggregate quality below the weathering zone.

## Site Hydrogeology

The basalt aquifer receives its water from precipitation. The quantity of water is dependent upon the rainfall amounts, the quantity which runs off, the quantity which evaporates or is transpired back into the air by plants (evapotranspiration), and the quantity which soaks into the ground and is stored as groundwater. Depending upon the ability of the rocks and soils to transmit that water from storage to a well the aquifer can produce sufficient water to satisfy a required use.

The sedimentary rocks of the area have few fractures in which to store groundwater or move it to wells. Generally, these rocks will only supply sufficient water for single family residences. Basalt's can have more extensive fractures and potentially will supply water for larger numbers of residences or other uses. The quantity that can be supplied from the basalt depends upon the aerial extent of the basalt (how much recharge area the basalt collects recharge from, and how much of the surrounding sedimentary rock can the basalt also draw from), and how much of the ground water in the basalt is lost because it can escape through springs and seeps.

## Basalt Resources

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

Basalt resources appear to be sufficiently large to be economically viable. Basalt is seen from the lowest levels of the property, near the original house and barn up through the upper portions of the property to the west. It is presently unknown how much of the site is underlain by basalt and to what extent this basalt is mixed with sedimentary rocks or weathered basalts of low grade, but more than enough exists to make this a viable site for rock extraction.. The Siletz River Volcanics can also be expected to underlie the sedimentary rocks in many places on the Fowler Property.

According to the abrasion test, there is good quality rock. The rock exposed on the site now is well fractured making excavation appear easy, but the exposures are too limited to draw substantial conclusions with regard to the need for blasting, ripping or other specific extraction methods. Some limited additional exploration excavation should be conducted to ascertain the extent of the deposits as they lie on the subject property.

Additional exploration should take place to the south and west of the site of boring #1 and #1A. This exploration should continue up the slope to the west and north and south along the slope to first determine the aerial extent of basalt outcropping. This can be followed by a drilling program if it appears the aerial extent is available to justify it, or that the basalt may be buried relatively shallow to permit economic extraction.

## Water Resources

Borings into the basalt at the lower portion of the Fowler property revealed confined water within the basalt that yielded at least one flowing artesian well. This water was test pumped at 50 gpm and 68 gpm flows (it flowed approximately 30 gpm from artesian head at the surface). This is the highest production well in the area and has a relative transmissivity, a measure of an aquifer's ability to produce water, of over 80,000 (based upon the specific yield).

The average flow for wells in this area is about 17 gpm with a median and mode of 10 gpm. This means there are few good producers and most wells will be 10 gpm or less. The average depth is 180 feet. The average transmissivity is 6,000 with a median of 1,000 and a mode of 550. This is consistent with the flow data and indicates a few higher production wells skew the averages up while the majority of wells are of low flow.

The average recharge to be expected from the watershed at this site is as follows:

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

- Estimated area of watershed about 3/4 mile square = 480 acres.
- Precipitation = 51 inches per year = Total 665 million gallons
- Evapotranspiration (ET) = 25 inches per year = Total 287 million gallons
- Runoff = 35% = Total 233 million gallons
- Recharge calculated by overall balance = 145 million gallons (rainfall minus precip., ET, and Runoff)
- Recharge by soils balance methods = if 4 inches per year = Total 52 million gallons: if 7 inches per year = Total 91 million gallons

The range of values for recharge calculated from soils water balance is less than the value derived from the gross overall water budget. This is because the soils calculations are more conservative. Only a fraction of the quantity of water that is recharged will be recoverable, therefore, the amount that can be recovered will be significantly less than 52 million gallons per year (the most conservative estimate). If 20 million gallons per year can be recovered (14% to 44%, depending upon actual recharge) then approximately 40 gpm could be safely recovered. Whether this amount or more is available will be determined with testing.

## Methods of Extraction for Rock and Water

As more specific information is generated about the actual distribution of the basalt and sedimentary rock units (through initial excavations) more refined excavation plans can be formulated. However, what is known can form the basis of an initial working plan for the quarry and water removal.

Recharge will generally take place at the top of the ridges and discharge of ground water will take place along the bottom of the valleys and ravines. Therefore, extraction of rock should, to the extent possible, take place along the highest elevations (in the recharge areas) and leave the lower portions of the basalt for storage and transmission of groundwater. This method can even increase the quantity of recharge; since soils can play a large part in restricting the flow of rainfall from recharging the fractures in the basalt.

To the extent possible the excavations should be completed so that they can later be restricted forming a water holding facility once the rock resources are exhausted. This will aid in future recharge and limit the amount of groundwater that is discharged due to excavating into the piezometric surface. By constructing the excavation as an enclosed basin, with one drainage outlet, the outlet can be dammed with ease and the water retained.

Excavation of the basalt should be restricted from the lower elevations until it becomes necessary to do so. Then, potentially, the site can be converted to

**RECEIVED**

a surface water supply rather than groundwater if excavation proves to be detrimental to the well water supply. Only as long as there is basalt rock of some substantial volume present in the lower elevations will a long term groundwater supply from the basalt remain viable.

Water extraction can take place from wells drilled into the basalt. Some exploration/production wells can be constructed both at the bottom of the property (if sufficient thickness of basalt is present), and at the higher elevations to intercept water before it reaches the active excavation pits. If pits are excavated into the water table (piezometric surface) it is possible to capture the water as it leaves the pit and treat it as a surface water source and provide water in that manner as well. Though this second alternative will be more expensive to operate the value of the water, in this water poor area, will likely significantly exceed the expense.

### Impacts to Off-site Water Users

Wells are the only source of water to off-site home owners surrounding the subject property. It is reasonable for these home owners to be concerned that an excavation will have an effect upon the groundwater resource on which they rely for water supply. This is particularly true in an areas where water resources are already acknowledged as scarce.

The excavation of the basalt will only lower the water table (piezometric surface) if the excavation extends into the water table and drains away that water. Throughout the site groundwater is already draining from the area through springs and seeps which can be found at many elevation along the stream valleys and ravines of the subject property. If sufficient aerial extent of useable basalt can be located then excavations can be limited in depth so that the impact to the water table is minimized. Construction (excavation) techniques for the rock extraction pits can be used to also hold water and enhance recharge to the ground water system.

For wells located more than several hundred feet from the excavation it is unlikely that significant impact will occur because the permeability of the formations, particularly the sedimentary ones, are so low that the impact will not spread a greatly from the excavation boundaries. Though this is generally true there may be some rare exceptions and some provisions should be made for these wells.

Testing of well levels prior to excavation and regularly during the excavation process should be instituted to protect the quarry from charges of lowering water tables when those lower water tables result from the overuse of the well by the well owner; and to protect well owners who are truly damaged by

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

the basalt excavations. Only those surrounding wells completed into basalt are reasonably likely to be affected by the excavation.

The average depth to water is over 50 feet from ground surface. Therefore in the upper elevations the excavation of 50 to 80 feet of basalt rock can likely be accomplished without directly impacting the water table nor surrounding wells. A set of monitoring wells between the excavation and the surrounding neighbors may be prudent if deeper excavations are to be attempted (> 50 feet).

Maps and cross sections of the potential layout of the basalt are shown. Schematic of water supply from the sediments to the basalt to the wells and storage areas are also shown for understanding the potential system. Exploration scheme maps are also provided for determining the aerial extent of the basalt.

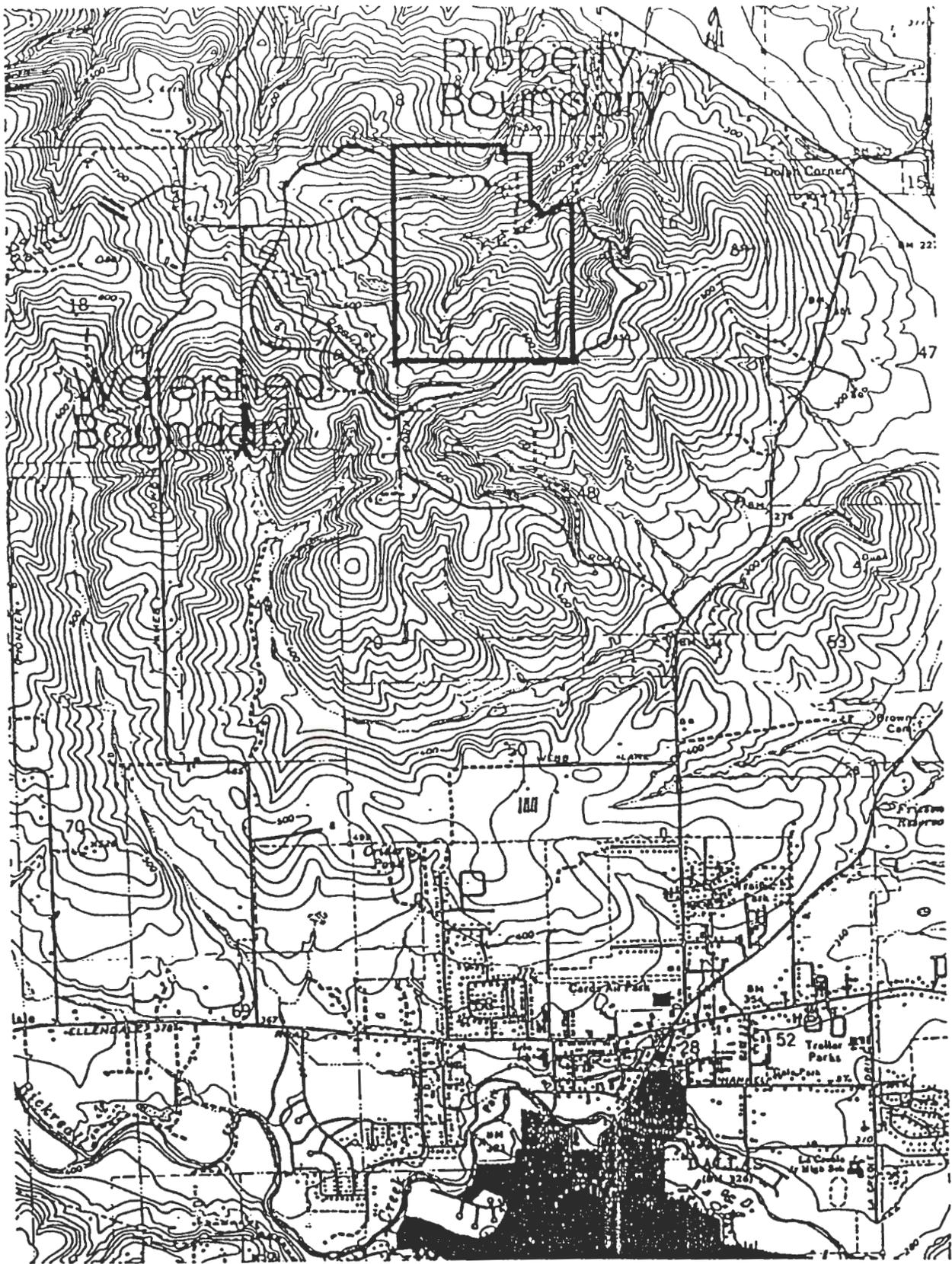
## Summary

The site appears well suited to basalt extraction. Not damaging the on-site groundwater resource will require careful planning of the layout, depth, sequencing and configuration of the basalt excavation. By matching the excavation, monitoring, and operational parameters the neighbors can readily be protected from damage by the quarry. Most will not be affected in any way. At least temporary the quarry site can provide water to the Perrydale Water District, and likely permanently. The site appears to have economically viable quantities of basalt rock reserves, though more careful testing will be required to assess the actual most feasible methods of extraction, water utilization (and protection for surrounding users), and the most economical method of utilization.

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON



**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

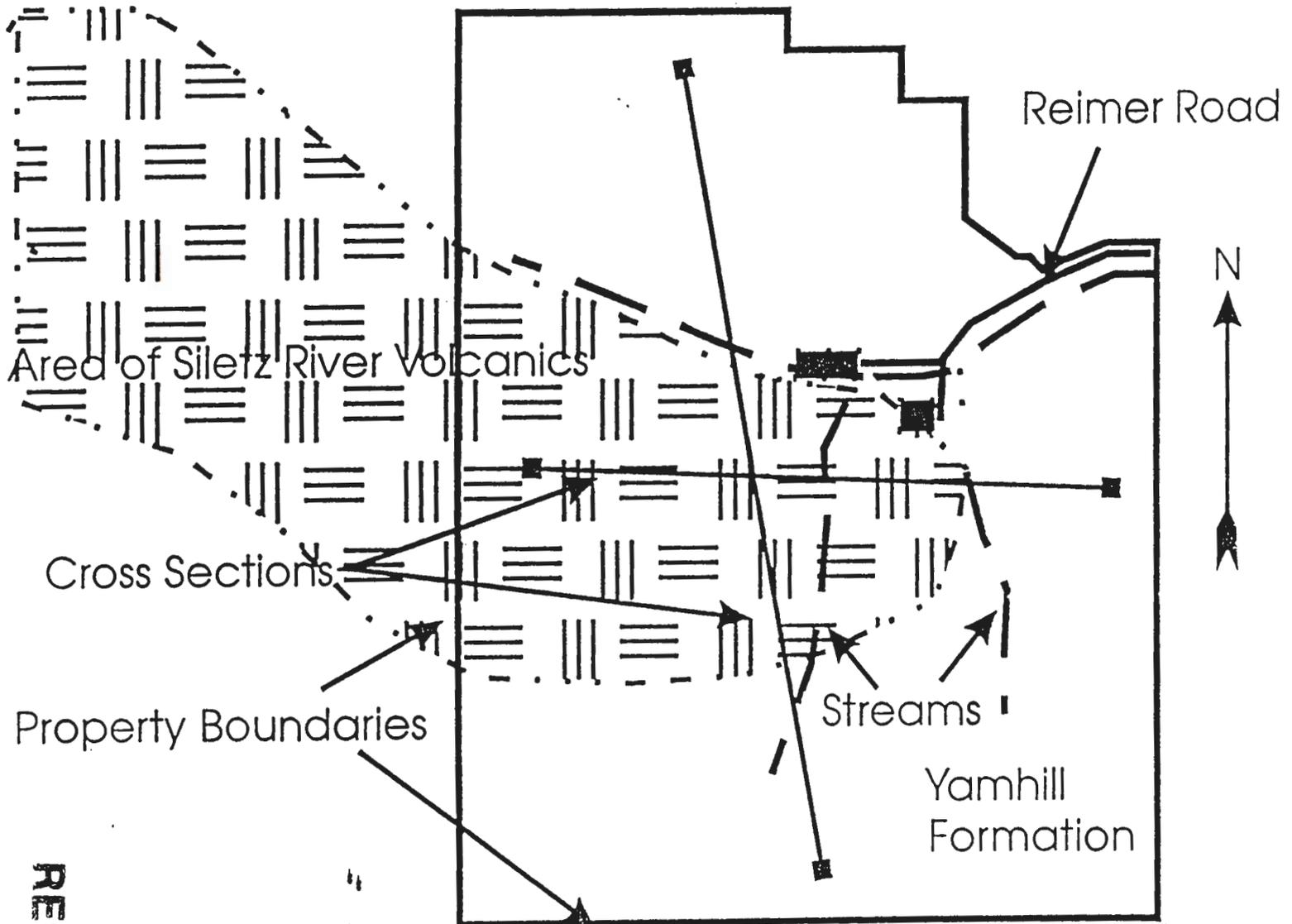


**EGR & Associates, Inc.**  
Engineers, Geologists and Surveyors  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Area Map

FIGURE 1

Fowler Property Map  
(not to scale)



Area of Silerz River Volcanics

Reimer Road



Cross Sections

Property Boundaries

Streams

Yamhill  
Formation

WATER RESOURCES DEPT  
SALEM, OREGON

MAY 6 1996

**RECEIVED**

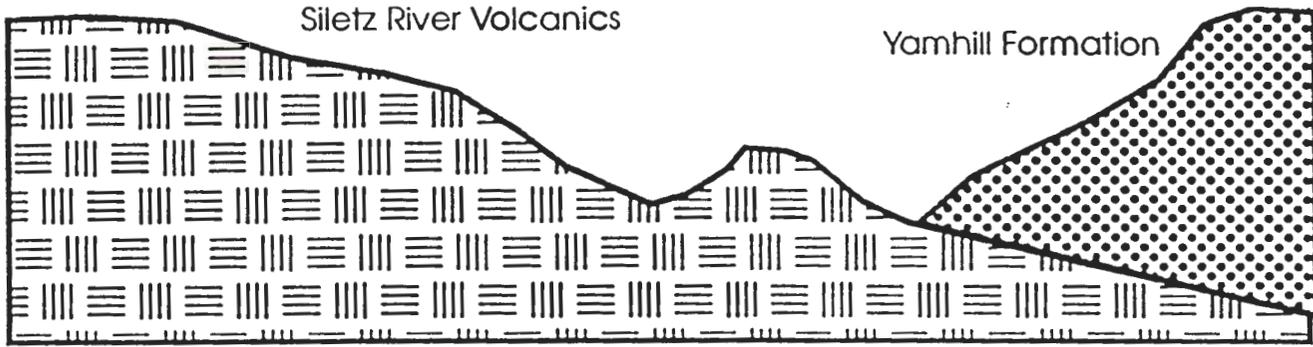
 **EGR & Associates, Inc.**  
*Engineers, Geologists and Surveyors*  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Property Map  
FIGURE 2

Fowler Property Quarry

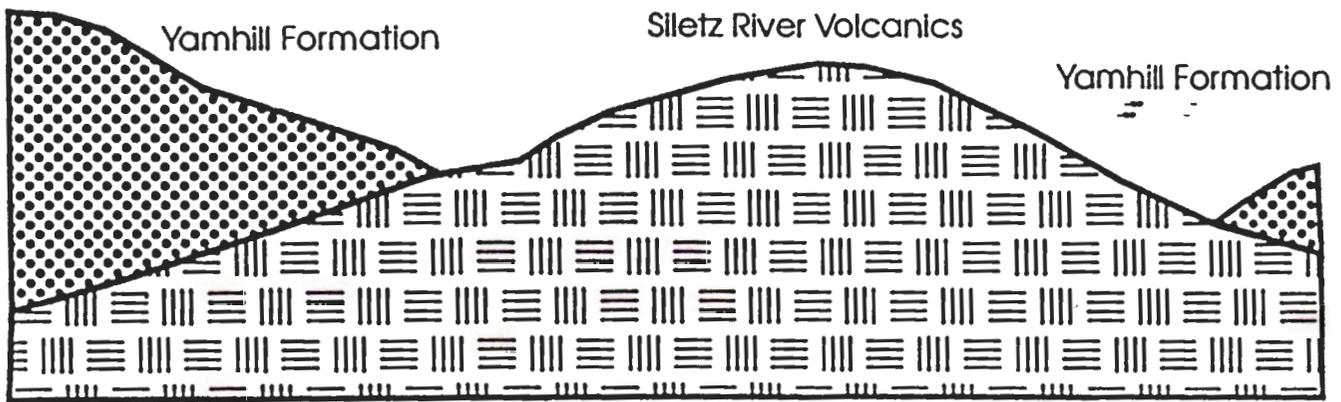
West

East



South

North



**RECEIVED**

MAY 6 1996

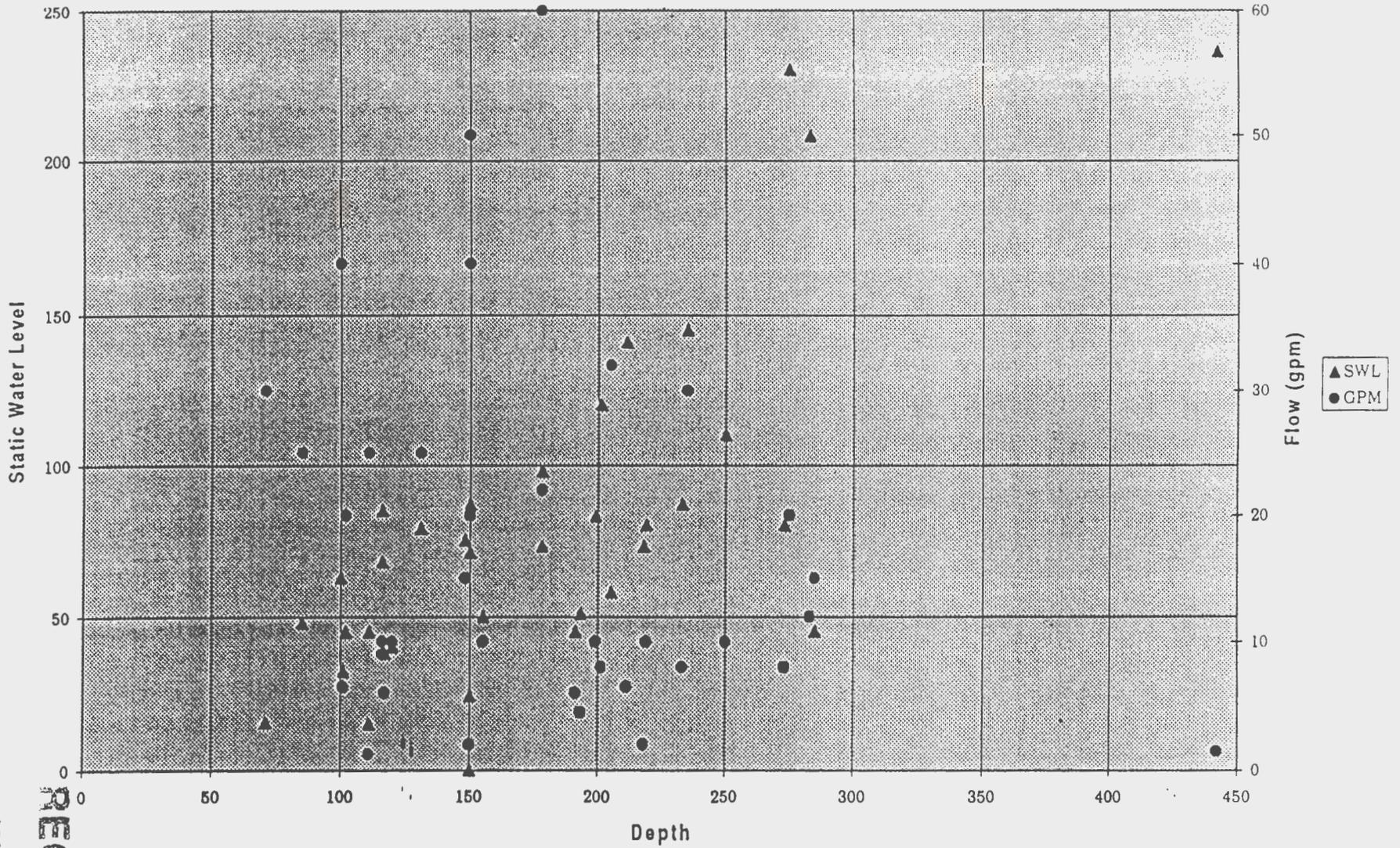
WATER RESOURCES DEPT  
SALEM, OREGON

 **EGR & Associates, Inc.**  
Engineers, Geologists and Surveyors  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Cross Sections

FIGURE 3

### Static Water Level and Flow, vs. Depth



WATER RESOURCES DEP.  
SALEM, OREGON

MAY 6 1996

RECEIVED

Recharge Rate Calculations Using the Penn Water Balance Method							SALEM							
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.15	0.11	
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.33	4.12	2.93	
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05	
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.03	
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01	
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15	
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93	
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90	
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79	
TABLE VALUE	64.59	0.00	0.00	0.00	0.00	0.00	0.00	15.48	13.92	11.86	9.11	7.34	6.83	
SOIL MSTR	146.98	8.12	11.31	14.96	16.00	16.00	16.00	15.48	13.92	11.86	9.11	7.34	6.88	
CHG.SM	0.00	1.25	3.19	3.64	1.04	0.00	0.00	-0.52	-1.56	-2.06	-2.76	-1.77	-0.46	
ACT.ET	23.10	2.06	1.03	0.52	0.26	0.77	1.29	2.12	2.91	3.43	3.44	2.87	2.39	
RECH	3.94	0.00	0.00	0.00	2.17	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00	
MAX SM	16.00		16 IN	0.00										
R/O %	0.35		14 IN	0.00										
			12 IN	0.00										
ft. of rech	0.33		10 IN	0.00										
gal/day/acre	293.14		8 IN	0.00										
acres/du	3.41		6 IN	0.00										
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION													
PET	POTENTIAL EVAPOTRANSPIRATION													
PRECIP %	PERCENTAGE OF PRECIPITATION													
PRECIP	PRECIPITATION													
RUNOFF %	PERCENTAGE OF RUNOFF													
R/O	RUNOFF													
INFILT. (I)	INFILTRATION													
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION													
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET													
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES													
SOIL MSTR	SOIL MOISTURE													
CHG.SM	CHANGE IN SOIL MOISTURE													
ACT.ET	ACTUAL EVAPOTRANSPIRATION													
RECH	RECHARGE TO GROUND WATER													
MAX SM	MAXIMUM SOIL MOISTURE													
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF													

RECEIVED

MAY 6 1996

WATER RESOURCES DE  
SALEM, OREGON

Recharge Rate Calculations Using the Penn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.93
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	56.51	0.00	0.00	0.00	0.00	0.00	0.00	13.55	12.18	10.38	7.97	6.42	6.02
SOIL MSTR	130.23	7.26	10.45	14.00	14.00	14.00	14.00	13.55	12.18	10.38	7.97	6.42	6.02
CHG.SM	0.00	1.25	3.19	3.55	0.00	0.00	0.00	-0.45	-1.36	-1.80	-2.41	-1.55	-0.40
ACT.ET	21.96	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.72	3.17	3.10	2.65	2.34
RECH	5.08	0.00	0.00	0.10	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	14.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.42		10 IN	0.00									
gal/day/acre	377.97		8 IN	0.00									
acres/du	2.65		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

**RECEIVED**  
 MAY 6 1996  
 WATER RESOURCES DEPT  
 SALEM, OREGON

Recharge Rate Calculations Using the Penn Water Balance Method							SALEM							
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11	
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83	
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05	
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08	
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01	
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15	
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93	
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90	
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79	
TABLE VALUE	48.44	0.00	0.00	0.00	0.00	0.00	0.00	11.61	10.44	8.90	6.83	5.50	5.16	
SOIL MSTR	112.44	6.40	9.60	12.00	12.00	12.00	12.00	11.61	10.44	8.90	6.83	5.50	5.16	
CHG.SM	0.00	1.25	3.19	2.40	0.00	0.00	0.00	-0.39	-1.17	-1.54	-2.07	-1.33	-0.34	
ACT.ET	20.82	2.06	1.03	0.52	0.26	0.77	1.29	1.99	2.52	2.92	2.75	2.43	2.28	
RECH	6.22	0.00	0.00	1.24	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00	
MAX SM	12.00		16 IN	0.00										
R/O %	0.35		14 IN	0.00										
			12 IN	0.00										
ft. of rech	0.52		10 IN	0.00										
gal/day/acre	462.80		8 IN	0.00										
acres/du	2.16		6 IN	0.00										
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION													
PET	POTENTIAL EVAPOTRANSPIRATION													
PRECIP %	PERCENTAGE OF PRECIPITATION													
PRECIP	PRECIPITATION													
RUNOFF %	PERCENTAGE OF RUNOFF													
R/O	RUNOFF													
INFILT. (I)	INFILTRATION													
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION													
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET													
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES													
SOIL MSTR	SOIL MOISTURE													
CHG.SM	CHANGE IN SOIL MOISTURE													
ACT.ET	ACTUAL EVAPOTRANSPIRATION													
RECH	RECHARGE TO GROUND WATER													
MAX SM	MAXIMUM SOIL MOISTURE													
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF													

RECEIVED

MAY 5 1996

WATER RESOURCES DEP  
SALEM, OREGON

Recharge Rate Calculations Using the Fenn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.32	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	40.37	0.00	0.00	0.00	0.00	0.00	0.00	9.68	8.70	7.41	5.69	4.58	4.30
SOIL MSTR	94.65	5.54	8.74	10.00	10.00	10.00	10.00	9.68	8.70	7.41	5.69	4.58	4.30
CHG.SM	0.00	1.25	3.19	1.26	0.00	0.00	0.00	-0.32	-0.97	-1.29	-1.72	-1.11	-0.29
ACT.ET	19.68	2.06	1.03	0.52	0.26	0.77	1.29	1.93	2.33	2.66	2.41	2.21	2.22
RECH	7.36	0.00	0.00	2.38	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	10.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.61		10 IN	0.00									
gal/day/acre	547.63		8 IN	0.00									
acres/du	1.83		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

WATER RESOURCES DEP.  
SALEM, OREGON

MAY 5 1996

RECEIVED

TO: Water Rights Section

6/17, 1996

FROM: Groundwater/Hydrology Section

Marc A Norton  
Reviewer's Name

SUBJECT: Application G-13929

GW  
Div  
9  
Review

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) \_\_\_\_\_;
    - 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, 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: Pumpage from this permit shall <sup>not</sup> be used for dewatering the aquifer ~~in~~ in conjunction with a proposed mining operation.

Supercedes 4/29/96 review

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)

TO: Water Rights Section April 29 1996  
FROM: Groundwater/Hydrology Section Man A Norton  
SUBJECT: Application G-13929 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) \_\_\_\_\_;  
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: SEE MEMO dated 1/22/96. I also discussed this concept with Dennis Nelson at Health. This may not be the best solution. There are many concerns.

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)



TO: Water Rights Section

1/22, 1996

FROM: Groundwater/Hydrology Section Marc A Norton  
Reviewer's Name

SUBJECT: Application G- 13929

**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 UnNamed Tribs; 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: SEE ~~REVERSE~~ MEMO

SUPERCEDED by 4/29/96

(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 . 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 RESOURCES DEPARTMENT

MEMO

January 22, 1996

TO: File G-13929

FROM: Marc Norton *MAN*

Subject: Review of Groundwater Application G-13929

The Perrydale Domestic Water Association requested 4.0 CFS (About 1800 GPM) from the basalts in T7S/R5W-Sec 17. The plan is to mine the "top layers of basalt". The Water Association will manage the water level by drilling up to 18 wells around the quarry. The water would be put to a beneficial use. Water not needed by the Water Association would be sold to other nearby water associations.

There are many Water Well Reports in Sec 17 that do not penetrate basalt. There are several that penetrate several tens of feet of basalt and then enter the underlying marine sediments. None of the basalt wells produce very much water. It is very unlikely that the basalts could produce 1800 GPM. Any large development would have a major impact on the groundwater resource.

I contacted Polk County planning to determine if the land was zoned for aggregate production. The land has a Farm-Forest Zone. Aggregate exploration is allowed as a conditional use. If the source of rock is determined to have significant quality and quantity, it would have to go through the Goal 5 process with a aggregate overlay. At this time, that process has not been started.

I also contacted the Department of Geology and Mineral Industries to determine if a Reclamation Permit had been applied for or issued. There has not been any application to date.

The Willamette Basin Program requires that the Department to place special conditions on all permits in the Columbia River Basalts. Groundwater Application G-13929 proposes to pump water from the Siletz River Volcanics (Ground Water Report 28). I recommend Conditions 7B and 7C. Condition 7B allows the Department to regulate pumpage if there is significant interference with existing users. Condition 7C requires annual water level measurements and sets decline limits that would allow the Department to regulate to protect existing users.

**EXCLUSIVE  
EASEMENT AGREEMENT**

**RECEIVED**

JUN 10 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

**THIS AGREEMENT** is made by and between JAMES W. FOWLER and CANDACE FOWLER, JOHN B. FOWLER and MOLLI J. FOWLER, ("Grantors") and PERRYDALE DOMESTIC WATER ASSOCIATION, an Oregon corporation ("Grantee"). In consideration for the sums and terms specified herein, Grantor hereby grants unto Grantee the following:

**EASEMENT:** An exclusive perpetual easement over the property described in the attached Exhibit "A" ("Property"), for the purpose of drilling wells and installing well structures, pumps, meters, pump houses, water storage tank or tanks, water transmission lines, utility lines and related appurtenances and for the maintenance, replacement and reconstruction thereof; and for removing water for use by Grantee. The terms of the easement are:

**PAYMENT:**

1. Grantee shall pay to Grantor for the use of this easement a fee of: (A) \$0.32 per 1,000 gallons for all gallons of water pumped during any calendar year from the premises described on Exhibit "A".

The payments pursuant to this agreement shall be due on the 30th day following the month in which the water is extracted. Grantor shall have access to the monthly meter readings upon the giving of reasonable notice as well as the right to inspect the premises at reasonable times.

2. Upon development of approved wells on Grantor's property capable of lawfully delivering 26,280,000 gallons per year on a sustained basis, Grantee agrees that Grantee shall make payment to Grantor, not later than by January 31 of each year, of such sum as shall be necessary to increase payment to Grantor for the preceding calendar year to the minimum sum of \$8,400.00. Said minimum annual payment shall be payable to Grantor irrespective of whether Grantor chooses to pump less than 26,280,000 gallons in such year from Grantor's premises; provided, however, that all payments made to Grantor for water pumped during such calendar year shall be a credit against such minimum annual payment.

3. As additional consideration, upon development of approved wells capable of lawfully delivering 26,280,000 gallons per year to Grantee on a sustained basis, Grantee agrees to provide two domestic water hook-ups to Grantee's water system free

**RECEIVED**

JUN 10 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

of normal hook-up charges. Grantee further agrees that Grantee will not charge Grantor for the first 8,500 gallons per month of metered usage to each of such two domestic residences provided that Grantor will pay for all usage in excess of 8,500 gallons per month for each such residence at the normal then existing rates for usage of water over 8,500 gallons per month. Grantor and Grantee agree that Grantor shall apply for and receive Membership Certificates relating to both of such residences upon installation of such hook-ups, and shall be subject to all normal rules and regulations affecting Members of Grantee. Grantor further agrees to install and operate at Grantor's sole expense all transmission lines, pump stations and other improvements necessary to convey water from Grantee's mainline on the premises to Grantor's residences. Grantor and Grantee further agree that notwithstanding paragraph 15 of this agreement, the partial waiver of monthly water charges provided for in this paragraph shall be personal to Grantor and shall not be appurtenant to Grantor's land or apply to any successor or assign of Grantor who shall subsequently own one or both of the residences described in this paragraph. In the event this easement agreement is terminated, the water charge partial waiver set forth in this paragraph shall also terminate; provided, however, that any Membership Certificate granted to Grantor shall remain in effect and shall survive such termination subject to all rights and obligations of membership in Grantee.

4. This agreement is contingent upon Grantee obtaining all necessary permits needed to extract this water. Grantee shall have until December 31, 1995, in which to satisfy itself as to the suitability of the water and to apply for all necessary municipal and/or quasi-municipal water use permits. Unless Grantee delivers to Grantor written notice of termination of this agreement due to the nonfulfillment of this contingency prior to that date, this contingency will be deemed to be waived. However, if the Grantee's application for a water use permit or permits is denied, and all appeals have been exhausted, then this agreement will terminate and be of no further force and effect.

5. Grantee agrees to be responsible for all maintenance of the wells, equipment and structures and will indemnify and hold harmless Grantor, their heirs and assigns, from any claim of any third party of whatever nature as a result of Grantee's use of and occupancy of the Property as well as the water itself. This indemnity shall be limited to the sum of \$1,000,000.00, and Grantee shall maintain a policy of insurance of not less than that amount, naming the Grantor as an additional insured. Grantor's right of inspection is for the purpose of determining compliance with the terms of this agreement and does not constitute a waiver or modification of this indemnity provision. Grantee further agrees to permit no liens or encumbrances to be placed upon the Property.

6. Grantor and Grantee agree that Grantee may file for water rights relating to the premises for a well field with a maximum of 18 wells. Once water right permits

allow Grantee to fully develop and utilize the existing well on the premises, Grantee shall have the right to drill, develop and utilize additional wells on the premises. All construction costs shall be borne by Grantee.

7. Grantee agrees to make a good faith effort to design and locate Grantee's wells in order to minimize the impact of such wells on any future quarrying activities Grantor may wish to initiate on the premises. Consistent with Grantee's need for water and the prudent and economical operation of Grantee's water system, Grantee shall cooperate with Grantor to manage the well field so as to attempt to maintain ground water levels compatible with any quarrying operations Grantor may wish to initiate or conduct on the premises. Grantor reserves the right to use the premises in any and all ways which do not conflict with or impair the easement rights granted herein.

8. Notwithstanding Grantee's agreement to cooperate to manage the use of water from Grantor's premises, Grantor and Grantee agree that Grantee cannot and does not agree to pump and remove more water from the premises than Grantee, in Grantee's sole discretion, desires for the lawful operation of its water system and/or the lawful re-sale of water to other water systems and entities. Grantee's re-sale of water is not required, but is expressly allowed without further compensation to Grantor.

9. Grantor and Grantee agree that the ultimate quantity of water available from the premises is unknown and the number of wells required to maximize usage of the ground water resource is also unknown at this time. Experience gained over the first five (5) years of usage will determine the amount of water available, the annual rate of recharge, and the best method of locating wells to intercept this ground water resource. Once water right permits allow water to be removed and utilized in the distribution system, Grantee will activate the existing well and drill and activate a second well. This will allow Grantee to begin a ground water monitoring program to identify the scope of the ultimate yield and recharge capacity of the aquifer located on the premises.

10. Grantor understands and agrees that Grantee anticipates, consistent with prudent and economical considerations, the resale by Grantee of water purchased from Grantor to the Tanglewood area, the Buell-Red Prairie Water Association, the Rickreall Community Water Association, and other water purveyors. Grantor understands and agrees that Grantee's application for municipal or quasi-municipal water rights in Grantee's name may encompass service areas encompassing such other water systems. Grantor agrees to cooperate with Grantee in the permitting process to obtain such water rights.

11. Subject to Grantor's right to conduct quarrying operations which do not interfere with Grantee's use of the wells and well-related improvements installed, Grantor covenants and agrees to refrain from engaging in or undertaking any act that will contaminate, adulterate or impair either the quantity or quality of water available from wells to be drilled by Grantee on Grantor's premises. Grantor specifically agrees

RECEIVED

JUN 10 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

**RECEIVED**

JUN 10 1996

WATER RESOURCES DEPT.  
STATE OF OREGON

not to store, release, discharge or bring onto the premises any hazardous substances as such substances are defined by applicable state, federal or local laws, rules or regulations. Grantor further agrees to abide by all health and wellhead protection laws, rules and regulations which are applicable to the premises.

12. In the event the wells developed by Grantee on the premises do not continue to supply an adequate supply of potable water or in the further event that Grantee no longer desires to remove water from Grantor's premises, Grantee may terminate this easement and all obligations hereunder by the giving of not less than one (1) year's written notice of the date upon which said easement shall terminate. In the event of termination, Grantee shall have the right and obligation to remove all of Grantee's equipment, tanks and other personal property from the premises which is readily removable, and shall restore any damage caused to the premises during such removal process.

13. In case any suit or action shall be commenced by either party to enforce any rights which they may have by reason of default herein, the prevailing party shall be entitled to recover from the party at fault, in addition to costs and disbursements provided by statute, such sum as any court, including any appellate court, may adjudge reasonable as attorney's fees in such suit or action.

14. Grantor and Grantee agree that this Easement Agreement and the Easement recorded in the Polk County Deed and Mortgage Records, shall together constitute the entire agreement between Grantor and Grantee, and shall supersede any and all prior written and oral agreements.

15. Grantee agrees to execute an Amendment to Easement which more specifically describes the exact area encompassed by the well field and access road or roads once said well field is fully developed by Grantee. Grantor and Grantee shall share equally the expense of such Easement Amendment and any surveys related thereto.

16. This agreement and the rights and obligations set forth herein shall inure to the benefit of the heirs, successors and assigns of the parties.

17. This Easement Agreement and the Easement shall be governed by the laws of the State of Oregon.

18. This Easement Agreement and its accompanying Easement have been prepared by the firm of Haugeberg Rueter, Stone, Gowell & Fredricks, P.C. solely on behalf of Grantee. Grantor is advised to seek the assistance of separate legal counsel to obtain legal advice with respect to this matter.

IN WITNESS WHEREOF, the parties hereto have signed this Easement Agreement this 9<sup>th</sup> day of February 1995.

GRANTOR:

[Signature]  
James W. Fowler

[Signature]  
Candace Fowler

[Signature]  
John B. Fowler

[Signature]  
Molli J. Fowler

GRANTEE:

PERRYDALE DOMESTIC WATER ASSOC.

By: [Signature]  
President

**RECEIVED**

JUN 10 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

- Estimated area of watershed about 3/4 mile square = 480 acres.
- Precipitation = 51 inches per year = Total 665 million gallons
- Evapotranspiration (ET) = 25 inches per year = Total 287 million gallons
- Runoff = 35% = Total 233 million gallons
- Recharge calculated by overall balance = 145 million gallons (rainfall minus precip., ET, and Runoff)
- Recharge by soils balance methods = if 4 inches per year = Total 52 million gallons: if 7 inches per year = Total 91 million gallons

The range of values for recharge calculated from soils water balance is less than the value derived from the gross overall water budget. This is because the soils calculations are more conservative. Only a fraction of the quantity of water that is recharged will be recoverable, therefore, the amount that can be recovered will be significantly less than 52 million gallons per year (the most conservative estimate). If 20 million gallons per year can be recovered (14% to 44%, depending upon actual recharge) then approximately 40 gpm could be safely recovered. Whether this amount or more is available will be determined with testing.

## Methods of Extraction for Rock and Water

As more specific information is generated about the actual distribution of the basalt and sedimentary rock units (through initial excavations) more refined excavation plans can be formulated. However, what is known can form the basis of an initial working plan for the quarry and water removal.

Recharge will generally take place at the top of the ridges and discharge of ground water will take place along the bottom of the valleys and ravines. Therefore, extraction of rock should, to the extent possible, take place along the highest elevations (in the recharge areas) and leave the lower portions of the basalt for storage and transmission of groundwater. This method can even increase the quantity of recharge; since soils can play a large part in restricting the flow of rainfall from recharging the fractures in the basalt.

To the extent possible the excavations should be completed so that they can later be restricted forming a water holding facility once the rock resources are exhausted. This will aid in future recharge and limit the amount of groundwater that is discharged due to excavating into the piezometric surface. By constructing the excavation as an enclosed basin, with one drainage outlet, the outlet can be dammed with ease and the water retained.

Excavation of the basalt should be restricted from the lower elevations until it becomes necessary to do so. Then, potentially, the site can be converted to

?

Does "Storage" exist given no quarry?

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

a surface water supply rather than groundwater if excavation proves to be detrimental to the well water supply. Only as long as there is basalt rock of some substantial volume present in the lower elevations will a long term groundwater supply from the basalt remain viable.

Water extraction can take place from wells drilled into the basalt. Some exploration/production wells can be constructed both at the bottom of the property (if sufficient thickness of basalt is present), and at the higher elevations to intercept water before it reaches the active excavation pits. If pits are excavated into the water table (piezometric surface) it is possible to capture the water as it leaves the pit and treat it as a surface water source and provide water in that manner as well. Though this second alternative will be more expensive to operate the value of the water, in this water poor area, will likely significantly exceed the expense.

### Impacts to Off-site Water Users

Wells are the only source of water to off-site home owners surrounding the subject property. It is reasonable for these home owners to be concerned that an excavation will have an effect upon the groundwater resource on which they rely for water supply. This is particularly true in an areas where water resources are already acknowledged as scarce.

The excavation of the basalt will only lower the water table (piezometric surface) if the excavation extends into the water table and drains away that water. Throughout the site groundwater is already draining from the area through springs and seeps which can be found at many elevation along the stream valleys and ravines of the subject property. If sufficient aerial extent of useable basalt can be located then excavations can be limited in depth so that the impact to the water table is minimized. Construction (excavation) techniques for the rock extraction pits can be used to also hold water and enhance recharge to the ground water system.

For wells located more than several hundred feet from the excavation it is unlikely that significant impact will occur because the permeability of the formations, particularly the sedimentary ones, are so low that the impact will not spread a greatly from the excavation boundaries. Though this is generally true there may be some rare exceptions and some provisions should be made for these wells.

Testing of well levels prior to excavation and regularly during the excavation process should be instituted to protect the quarry from charges of lowering water tables when those lower water tables result from the overuse of the well by the well owner; and to protect well owners who are truly damaged by

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

2 the basalt excavations. Only those surrounding wells completed into basalt are reasonably likely to be affected by the excavation.

The average depth to water is over 50 feet from ground surface. Therefore in the upper elevations the excavation of 50 to 80 feet of basalt rock can likely be accomplished without directly impacting the water table nor surrounding wells. A set of monitoring wells between the excavation and the surrounding neighbors may be prudent if deeper excavations are to be attempted (> 50 feet).

Maps and cross sections of the potential layout of the basalt are shown. Schematic of water supply from the sediments to the basalt to the wells and storage areas are also shown for understanding the potential system. Exploration scheme maps are also provided for determining the aerial extent of the basalt.

## Summary

The site appears well suited to basalt extraction. Not damaging the on-site groundwater resource will require careful planning of the layout, depth, sequencing and configuration of the basalt excavation. By matching the excavation, monitoring, and operational parameters the neighbors can readily be protected from damage by the quarry. Most will not be affected in any way. At least temporary the quarry site can provide water to the Perrydale Water District, and likely permanently. The site appears to have economically viable quantities of basalt rock reserves, though more careful testing will be required to assess the actual most feasible methods of extraction, water utilization (and protection for surrounding users), and the most economical method of utilization.

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**



# Boatwright Engineering Inc.

2613 12th ST SE, SALEM, OREGON 97302  
civil engineers • land surveyors  
(503) 363-9225

# LETTER OF TRANSMITTAL

TO WRD  
158 12TH ST NE  
SALEM, OR 97310

DATE MAY 6, 1996	JOB NO.
ATTENTION BILL FUJI	
RE: G-13929	
PERRYDALE DOM. WATER ASSOC.	

GENTLEMEN:

- WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:
- Shop drawings     Prints     Plans     Samples     Specifications
- Copy of letter     Change order     \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	5-6-96	1	Revised Application Map w/ Well Field designation removed and 18 individual POD's added
1	-	3	Service Area list by 1/4, 1/4's
1	6-95	18	Geology / Hydrogeology Report

THESE ARE TRANSMITTED as checked below:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval
- For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution
- As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints
- For review and comment     \_\_\_\_\_
- FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS

PLEASE REVIEW THESE DOCUMENTS AND GIVE ME  
A CALL SO WE CAN DISCUSS THEM AT LENGTH, OR  
WE CAN SCHEDULE A MEETING

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

COPY TO Ray Hobson

SIGNED: MARTIN BOATWRIGHT

PERRYDALE DOMESTIC WATER ASSOCIATION  
Application G-13929

SERVICE AREA

**T 5 S, R 4 W**

All  
Section 30

All  
Section 31

All  
Section 32

All  
Section 33

**T 5 S, R 5 W**

S $\frac{1}{2}$   
S $\frac{1}{2}$ , N $\frac{1}{2}$   
Section 25

S $\frac{1}{2}$   
S $\frac{1}{2}$ , N $\frac{1}{2}$   
Section 26

S $\frac{1}{2}$   
S $\frac{1}{2}$ , N $\frac{1}{2}$   
Section 27

S $\frac{1}{2}$   
S $\frac{1}{2}$ , N $\frac{1}{2}$   
Section 28

S $\frac{1}{2}$   
S $\frac{1}{2}$ , N $\frac{1}{2}$   
Section 29

S $\frac{1}{2}$   
S $\frac{1}{2}$ , N $\frac{1}{2}$   
Section 30

All  
Section 31

**T 5 S, R 5 W, cont.**

All  
Section 32

All  
Section 33

All  
Section 34

All  
Section 35

All  
Section 36

**T 5 S, R 6 W**

All  
Section 36

**T 6 S, R 3 W**

All  
Section 29

All  
Section 30

All  
Section 32

**T 6 S, R 4 W**

All  
Section 4

All  
Section 5

**T 6 S, R 4 W, cont.**

All  
Section 6

All  
Section 7

All  
Section 8

All  
Section 9

All  
Section 16

All  
Section 17

All  
Section 18

All  
Section 19

All  
Section 20

All  
Section 21

All  
Section 22

All  
Section 23

All  
Section 25

All  
Section 26

**RECEIVED**

MAY 6 1996

page 1  
WATER RESOURCES DEPT.  
SALEM, OREGON

**T 6 S, R 4 W, cont.**

W½  
Section 27

All  
Section 28

All  
Section 29

All  
Section 30

All  
Section 31

All  
Section 32

All  
Section 33

W½  
Section 34

**T 6 S, R 5 W**

All  
Sections 1 through 36

**T 6 S, R 6W**

All  
Section 1

S½  
Section 2

S½  
Section 3

S½  
Section 4

All  
Section 9

**T 6 S, R 6W, cont.**

All  
Section 10

All  
Section 11

All  
Section 12

All  
Section 13

All  
Section 14

All  
Section 15

All  
Section 16

All  
Section 21

All  
Section 22

All  
Section 23

All  
Section 24

All  
Section 25

All  
Section 26

All  
Section 27

All  
Section 28

All  
Section 33

All  
Section 34

**T 6 S, R 6W, cont.**

All  
Section 35

All  
Section 36

**T 7 S, R 4W**

W½  
Section 3

All  
Section 4

All  
Section 5

All  
Section 6

All  
Section 7

All  
Section 8

All  
Section 9

W½  
Section 10

NW¼  
Section 15

N½  
Section 16

N½  
Section 17

All  
Section 18

**RECEIVED**

6- 13929, page 2 MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

**T 7 S, R 5W**

All  
Section 1

All  
Section 2

All  
Section 3

All  
Section 4

All  
Section 5

All  
Section 6

All  
Section 7

All  
Section 8

All  
Section 9

All  
Section 10

All  
Section 11

All  
Section 12

All  
Section 15

All  
Section 16

All  
Section 17

All  
Section 18

All  
Section 19

**T 7 S, R 6W**

All  
Section 1

All  
Section 2

All  
Section 3

All  
Section 4

All  
Section 11

All  
Section 12

All  
Section 13

All  
Section 14

All  
Section 23

All  
Section 24

**RECEIVED**

**MAY 6 1996**

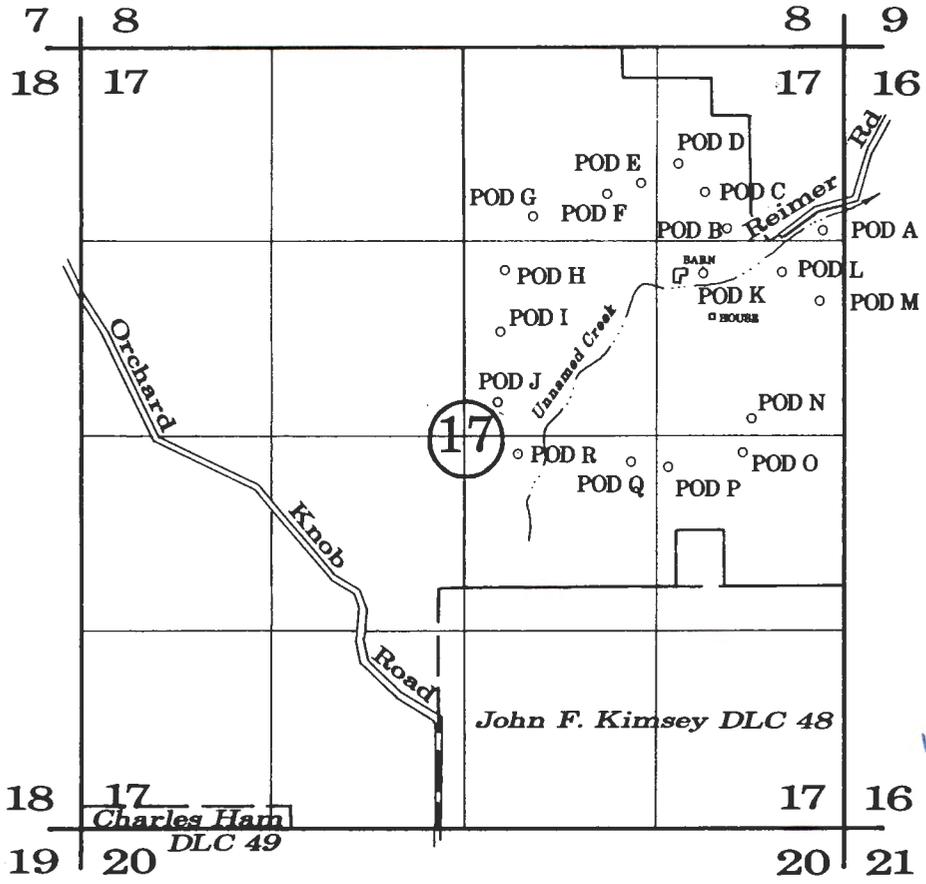
**WATER RESOURCES DEPT.  
SALEM, OREGON**

*perrydal\13929svc.ora*

*67 - 13929, page 3*

# T 7 S, R 5 W, W.M.

POLK COUNTY, OREGON



**RECEIVED**  
 MAY 6 1996  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

Application No. G-13929, Permit No. \_\_\_\_\_



**NOTE:** This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.

Scale: 1" = 1320'  
 December 1, 1994  
 rev. May 6, 1996

## Perrydale Domestic Water Association

### APPLICATION TO APPROPRIATE GROUNDWATER

- DIV PT A = 80' NORTH & 1150' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT C = 320' NORTH & 340' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT E = 410' NORTH & 100' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT G = 170' NORTH & 840' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT I = 600' SOUTH & 1050' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT K = 200' SOUTH & 340' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT M = 400' SOUTH & 1140' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT O = 110' SOUTH & 600' EAST OF THE NE COR OF THE NE 1/4, SE 1/4.
- DIV PT Q = 170' SOUTH & 170' WEST OF THE NE COR OF THE NE 1/4, SE 1/4.

- DIV PT B = 80' NORTH & 490' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT D = 530' NORTH & 180' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT F = 320' NORTH & 340' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT H = 200' SOUTH & 1030' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT J = 1100' SOUTH & 1060' WEST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT L = 200' SOUTH & 880' EAST OF THE SW COR OF THE NE 1/4, NE 1/4.
- DIV PT N = 100' NORTH & 680' EAST OF THE NE COR OF THE NE 1/4, SE 1/4.
- DIV PT P = 210' SOUTH & 100' EAST OF THE NE COR OF THE NE 1/4, SE 1/4.
- DIV PT R = 90' SOUTH & 950' WEST OF THE NE COR OF THE NE 1/4, SE 1/4.

DRAFT

**Fowler Quarry Site  
Reimer Road  
7 - 5 - 17, Tax Lots 100, 105 and 106.**

**June, 1995**

GW  
Report

**Prepared by**

**EGR and Associates, Inc.  
2545 K Prairie Road  
Eugene, Oregon 97402  
Ph (503) 688-8322, FAX (503) 688-8087**

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**

**DRAFT**

**Fowler Quarry Site  
Reimer Road  
7 - 5 - 17, Tax Lots 100, 105 and 106.**

**June, 1995**

**Prepared by**

**EGR and Associates, Inc.  
2545 K Prairie Road  
Eugene, Oregon 97402  
Ph (503) 688-8322, FAX (503) 688-8087**

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**

Table of Contents

DRAFT

BACKGROUND..... 1

    Purpose ..... 1

    Location ..... 1

    Climate..... 1

    Geography ..... 2

    Regional Geology..... 2

    Regional Hydrogeology ..... 2

SITE GEOLOGY..... 3

SITE HYDROGEOLOGY..... 4

BASALT RESOURCES..... 4

WATER RESOURCES..... 5

METHODS OF EXTRACTION FOR ROCK AND WATER..... 6

IMPACTS TO OFF-SITE WATER USERS..... 7

SUMMARY ..... 8

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

DRAFT

**Fowler Quarry Site  
Reimer Road  
Township 7 South, Range 5 West, Section 17, Tax  
Lots 100, 105 and 106.**

**Background**

*Purpose*

This study was conducted at the request of Mr. Jim Fowler of James W. Fowler Company, 12775 Westview Drive, Dallas, Oregon, 97338. The purpose of the study is to determine the general extent of basalt on the Fowler property and surrounding parcels, and the impact the quarry might have on existing and potential water supplies in the area. Wells of greater capacity, relative to other sources in the vicinity, have been found in the basalts on the Fowler property. By examining the site, reviewing well logs, and performing water balance calculations the overall geology and hydrogeology of the area can be evaluated.

Potentially, the water that is found in the basalts could be used by the Perrydale Domestic Water Association, which has prepared a water right application for water from this location. Therefore to fulfill the two goals of extracting basalt quarry rock for construction and extraction drinking water from the basalt requires balancing the impacts of each on the whole. Removing rock from the wrong place could impact the water supply by removing the storage and transmissivity upon which the water supply ultimately depends. Removal and use of the water from this site could aid the quarry in disposing of excess water and produce revenue to make the quarry site more economically viable.

*Location*

The Fowler quarry site is located in Polk County approximately 2.5 miles north of Dallas, Oregon. Map and Tax Lot number is 07-05-17-00 00100, 00105, and 00106. The property is in the northeast corner of Section 17, Township 7 South, Range 5 West, Willamette Meridian.

*Climate*

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**

The climate in the Mid-Willamette Valley is temperate-marine- (Mediterranean) with mild wet winters and moderate drysummers. Average annual rainfall at Dallas, Oregon is 50.6 inches with an annual evapotranspiration of about 25 inches. Summer temperatures average 66 degrees in July and winter temperatures average 39 degrees in January.

### *Geography*

The site is located in rolling foothills of the Coast Range on the western side of the Willamette Valley. Slopes are generally moderate but locally are steep. Drainages are dendritic on the subject property, but nearby areas have trellised drainages indicative of structural control of erosion along joints and fractures. Some bedding controlled slopes appear to be established both west and east of the subject property.

### *Regional Geology*

The regional geology of the area is made up of bedrock units of marine volcanics of the Siletz River Volcanics overlain by sedimentary rocks of the Yamhill Formation. The Siletz River Volcanics are submarine volcanic flows and intrusions (dikes and sills) characterized by pillow lavas, lapilli tuffs, and some interlayering of tuffaceous sandstones, mudstones and siltstones. The Yamhill Formation is sandstones, shales, siltstones, and mudstones with some interlayers of volcanic flows including submarine pillow lavas. Locally intruded into these two formations are dikes and sills of basalts of younger ages. All of these units are poorly exposed in the low hills along the western side of the Willamette Valley and the area surrounding Dallas and the quarry site. The rocks are generally well weathered and thus deep soils are developed overlying the bedrock units. The bedding generally dips to the east along the western margin of the Coast Range.

In the intervening stream valleys have relatively thin deposits of generally fine grained (silt and clay) alluvium have been deposited as a result of ongoing erosion.

### *Regional Hydrogeology*

The alluvial materials and bedrock of the Dallas area are poor producers of water to wells. The permeability of both the alluvium and the bedrock is low, meaning that ground water does not move easily through the rock. The rock itself has permeability based upon its fracture pattern. Groundwater tends to move only through the fractures or breaks in the rock. The sandstones,

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**

shales and mudstones have few fractures and ones that do appear are often filled with clay or silts. There generally is no primary porosity (spaces between the sand grains of a sandstone, for example). The result is that the ability of water to move through these rock units is restricted and the resulting flow from wells correspondingly low.

Basalt rocks tend to be more highly fractured than sedimentary rocks and therefore have proven to be relatively better producers of water in this area. However, the basalts are not wide spread and locally are as impermeable as any sedimentary rocks. This limits both their overall ability to produce water (they only gather water from a limited area) and it limits their accessibility to water users.

## Site Geology

The Fowler property is underlain by both sedimentary rocks (probably Yamhill Formation) and basalts (probably Siletz River Volcanics). According to previous geologic mapping the area north, east, and south of the property is underlain by Yamhill Formation sediments with a large exposure of the Siletz River Volcanics protruding into the property from the west. To the west of this property the geology is mapped as Siletz River Volcanics. Thus it appears the overlying Yamhill Formation has been eroded off the Siletz River Volcanics.

The exact interrelationship of the volcanic rocks and the sedimentary rocks is not sufficiently exposed to clearly determine the exact configuration of the contact. In fact it is not clearly known if the volcanic rocks on the Fowler property are Siletz River Volcanics, a volcanic section of the Yamhill Formation or a later intrusion of volcanic rocks. The rocks, as exposed, could be any of the three possibilities listed above.

The basalt is exposed from the lower elevations at center of the property to the highest elevations on the west side of the property. The Aime/McGuffey properties (to the west of the property) report basalts in the wells drilled there, as well as, basalt being reported on the well logs of properties extending further to the west and northwest. Toward the east, and southeast the bedrock is generally all sandstones and shales according to the driller's logs. Qualitatively the bedrock differences can be differentiated by soil colors where soils derived from basalts often appear a reddish brown while those soils derived from the sedimentary rocks are more often brown, tan to beige in color. Though this distinction is not so unique that it can be used universally, the soils colors do tend to mimic the information from well logs.

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

The well logs and the on-site drilling program conducted to test the extent of the basalt on the lower portion of the property indicate a reasonable thickness of basalt and aerial extent. This drilling program also identified a potentially usable quantity of water, perhaps from some significant open fractures in the basalt (or open tubes within lava flows).

The relationship between the basalt and the sedimentary rocks is not presently clear. Regionally the basalts are both concordant with the bedding (flows and sills) and cross cutting in nature (dikes and irregular intrusions). The age of the basalt mass exposed at the Fowler property is not known and it could be from various ages and sources, but most likely the basalts are part of the Siletz River Volcanics. Given the northeast dip of the sediments on the site (as observed just north of the Fowler barn) and the wide elevation range and the distribution of the basalt in outcrop (and soil color) and well logs the basalt could be concordant with the bedding or cross cutting, or a combination of the two. Where exposed the basalts appear to be either massive flows or shallow intrusions (dikes and sills). The rock appears to be of excellent aggregate quality below the weathering zone.

## Site Hydrogeology

The basalt aquifer receives its water from precipitation. The quantity of water is dependent upon the rainfall amounts, the quantity which runs off, the quantity which evaporates or is transpired back into the air by plants (evapotranspiration), and the quantity which soaks into the ground and is stored as groundwater. Depending upon the ability of the rocks and soils to transmit that water from storage to a well the aquifer can produce sufficient water to satisfy a required use.

The sedimentary rocks of the area have few fractures in which to store groundwater or move it to wells. Generally, these rocks will only supply sufficient water for single family residences. Basalt's can have more extensive fractures and potentially will supply water for larger numbers of residences or other uses. The quantity that can be supplied from the basalt depends upon the aerial extent of the basalt (how much recharge area the basalt collects recharge from, and how much of the surrounding sedimentary rock can the basalt also draw from), and how much of the ground water in the basalt is lost because it can escape through springs and seeps.

## Basalt Resources

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**

Basalt resources appear to be sufficiently large to be economically viable. Basalt is seen from the lowest levels of the property, near the original house and barn up through the upper portions of the property to the west. It is presently unknown how much of the site is underlain by basalt and to what extent this basalt is mixed with sedimentary rocks or weathered basalts of low grade, but more than enough exists to make this a viable site for rock extraction.. The Siletz River Volcanics can also be expected to underlie the sedimentary rocks in many places on the Fowler Property.

According to the abrasion test, there is good quality rock. The rock exposed on the site now is well fractured making excavation appear easy, but the exposures are too limited to draw substantial conclusions with regard to the need for blasting, ripping or other specific extraction methods. Some limited additional exploration excavation should be conducted to ascertain the extent of the deposits as they lie on the subject property.

Additional exploration should take place to the south and west of the site of boring #1 and #1A. This exploration should continue up the slope to the west and north and south along the slope to first determine the aerial extent of basalt outcropping. This can be followed by a drilling program if it appears the aerial extent is available to justify it, or that the basalt may be buried relatively shallow to permit economic extraction.

## Water Resources

Borings into the basalt at the lower portion of the Fowler property revealed confined water within the basalt that yielded at least one flowing artesian well. This water was test pumped at 50 gpm and 68 gpm flows (it flowed approximately 30 gpm from artesian head at the surface). This is the highest production well in the area and has a relative transmissivity, a measure of an aquifer's ability to produce water, of over 80,000 (based upon the specific yield).

The average flow for wells in this area is about 17 gpm with a median and mode of 10 gpm. This means there are few good producers and most wells will be 10 gpm or less. The average depth is 180 feet. The average transmissivity is 6,000 with a median of 1,000 and a mode of 550. This is consistent with the flow data and indicates a few higher production wells skew the averages up while the majority of wells are of low flow.

The average recharge to be expected from the watershed at this site is as follows:

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**

- Estimated area of watershed about 3/4 mile square = 480 acres.
- Precipitation = 51 inches per year = Total 665 million gallons
- Evapotranspiration (ET) = 25 inches per year = Total 287 million gallons
- Runoff = 35% = Total 233 million gallons
- Recharge calculated by overall balance = 145 million gallons (rainfall minus precip., ET, and Runoff)
- Recharge by soils balance methods = if 4 inches per year = Total 52 million gallons: if 7 inches per year = Total 91 million gallons

The range of values for recharge calculated from soils water balance is less than the value derived from the gross overall water budget. This is because the soils calculations are more conservative. Only a fraction of the quantity of water that is recharged will be recoverable, therefore, the amount that can be recovered will be significantly less than 52 million gallons per year (the most conservative estimate). If 20 million gallons per year can be recovered (14% to 44%, depending upon actual recharge) then approximately 40 gpm could be safely recovered. Whether this amount or more is available will be determined with testing.

## Methods of Extraction for Rock and Water

As more specific information is generated about the actual distribution of the basalt and sedimentary rock units (through initial excavations) more refined excavation plans can be formulated. However, what is known can form the basis of an initial working plan for the quarry and water removal.

Recharge will generally take place at the top of the ridges and discharge of ground water will take place along the bottom of the valleys and ravines. Therefore, extraction of rock should, to the extent possible, take place along the highest elevations (in the recharge areas) and leave the lower portions of the basalt for storage and transmission of groundwater. This method can even increase the quantity of recharge; since soils can play a large part in restricting the flow of rainfall from recharging the fractures in the basalt.

To the extent possible the excavations should be completed so that they can later be restricted forming a water holding facility once the rock resources are exhausted. This will aid in future recharge and limit the amount of groundwater that is discharged due to excavating into the piezometric surface. By constructing the excavation as an enclosed basin, with one drainage outlet, the outlet can be dammed with ease and the water retained.

Excavation of the basalt should be restricted from the lower elevations until it becomes necessary to do so. Then, potentially, the site can be converted to

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

a surface water supply rather than groundwater if excavation proves to be detrimental to the well water supply. Only as long as there is basalt rock of some substantial volume present in the lower elevations will a long term groundwater supply from the basalt remain viable.

Water extraction can take place from wells drilled into the basalt. Some exploration/production wells can be constructed both at the bottom of the property (if sufficient thickness of basalt is present), and at the higher elevations to intercept water before it reaches the active excavation pits. If pits are excavated into the water table (piezometric surface) it is possible to capture the water as it leaves the pit and treat it as a surface water source and provide water in that manner as well. Though this second alternative will be more expensive to operate the value of the water, in this water poor area, will likely significantly exceed the expense.

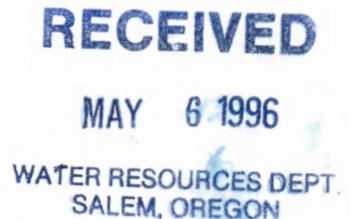
### Impacts to Off-site Water Users

Wells are the only source of water to off-site home owners surrounding the subject property. It is reasonable for these home owners to be concerned that an excavation will have an effect upon the groundwater resource on which they rely for water supply. This is particularly true in an areas where water resources are already acknowledged as scarce.

The excavation of the basalt will only lower the water table (piezometric surface) if the excavation extends into the water table and drains away that water. Throughout the site groundwater is already draining from the area through springs and seeps which can be found at many elevation along the stream valleys and ravines of the subject property. If sufficient aerial extent of useable basalt can be located then excavations can be limited in depth so that the impact to the water table is minimized. Construction (excavation) techniques for the rock extraction pits can be used to also hold water and enhance recharge to the ground water system.

For wells located more than several hundred feet from the excavation it is unlikely that significant impact will occur because the permeability of the formations, particularly the sedimentary ones, are so low that the impact will not spread a greatly from the excavation boundaries. Though this is generally true there may be some rare exceptions and some provisions should be made for these wells.

Testing of well levels prior to excavation and regularly during the excavation process should be instituted to protect the quarry from charges of lowering water tables when those lower water tables result from the overuse of the well by the well owner; and to protect well owners who are truly damaged by



the basalt excavations. Only those surrounding wells completed into basalt are reasonably likely to be affected by the excavation.

The average depth to water is over 50 feet from ground surface. Therefore in the upper elevations the excavation of 50 to 80 feet of basalt rock can likely be accomplished without directly impacting the water table nor surrounding wells. A set of monitoring wells between the excavation and the surrounding neighbors may be prudent if deeper excavations are to be attempted (> 50 feet).

Maps and cross sections of the potential layout of the basalt are shown. Schematic of water supply from the sediments to the basalt to the wells and storage areas are also shown for understanding the potential system. Exploration scheme maps are also provided for determining the aerial extent of the basalt.

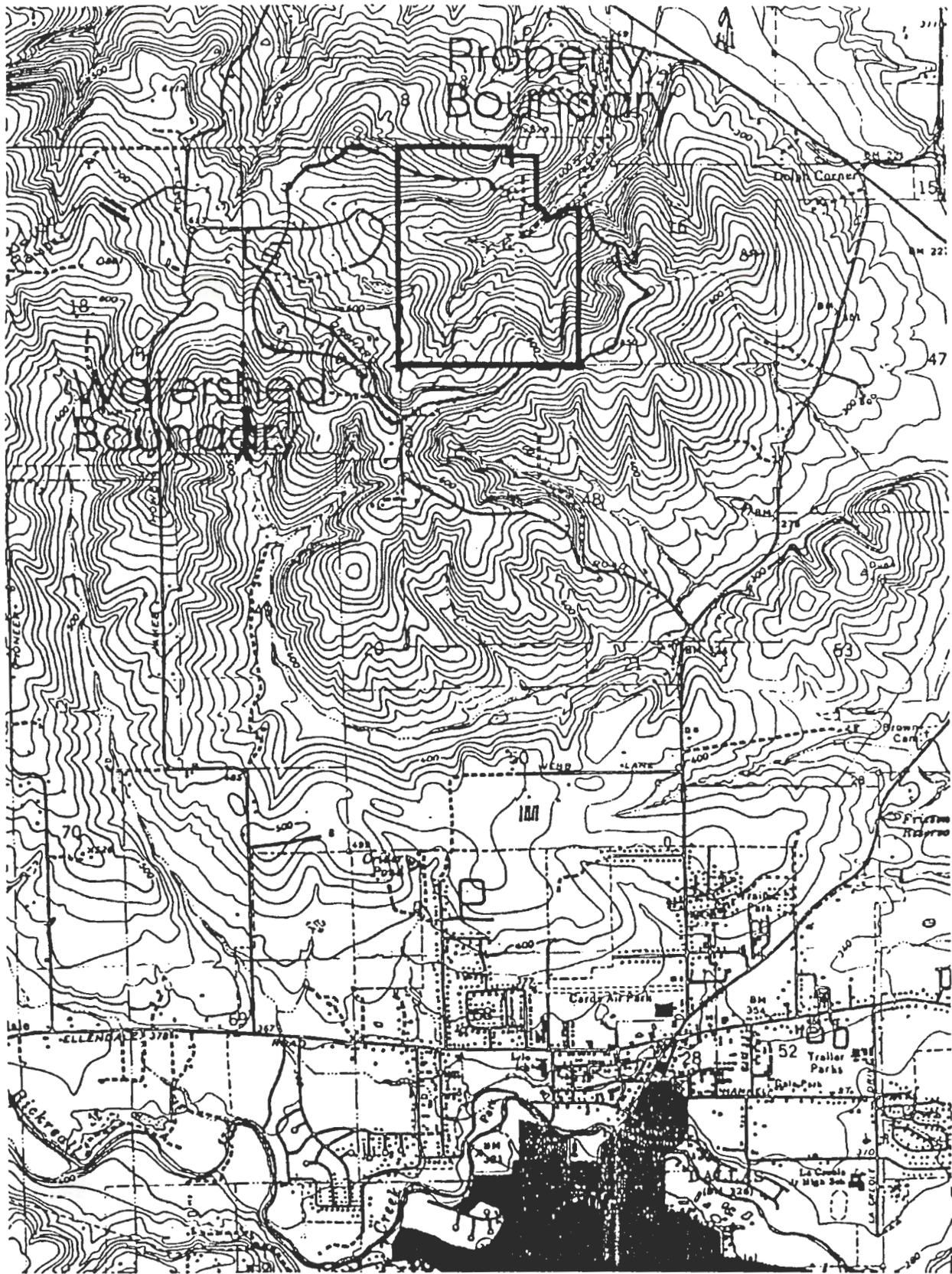
## Summary

The site appears well suited to basalt extraction. Not damaging the on-site groundwater resource will require careful planning of the layout, depth, sequencing and configuration of the basalt excavation. By matching the excavation, monitoring, and operational parameters the neighbors can readily be protected from damage by the quarry. Most will not be affected in any way. At least temporary the quarry site can provide water to the Perrydale Water District, and likely permanently. The site appears to have economically viable quantities of basalt rock reserves, though more careful testing will be required to assess the actual most feasible methods of extraction, water utilization (and protection for surrounding users), and the most economical method of utilization.

**RECEIVED**

**MAY 6 1996**

**WATER RESOURCES DEPT.  
SALEM, OREGON**



**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON



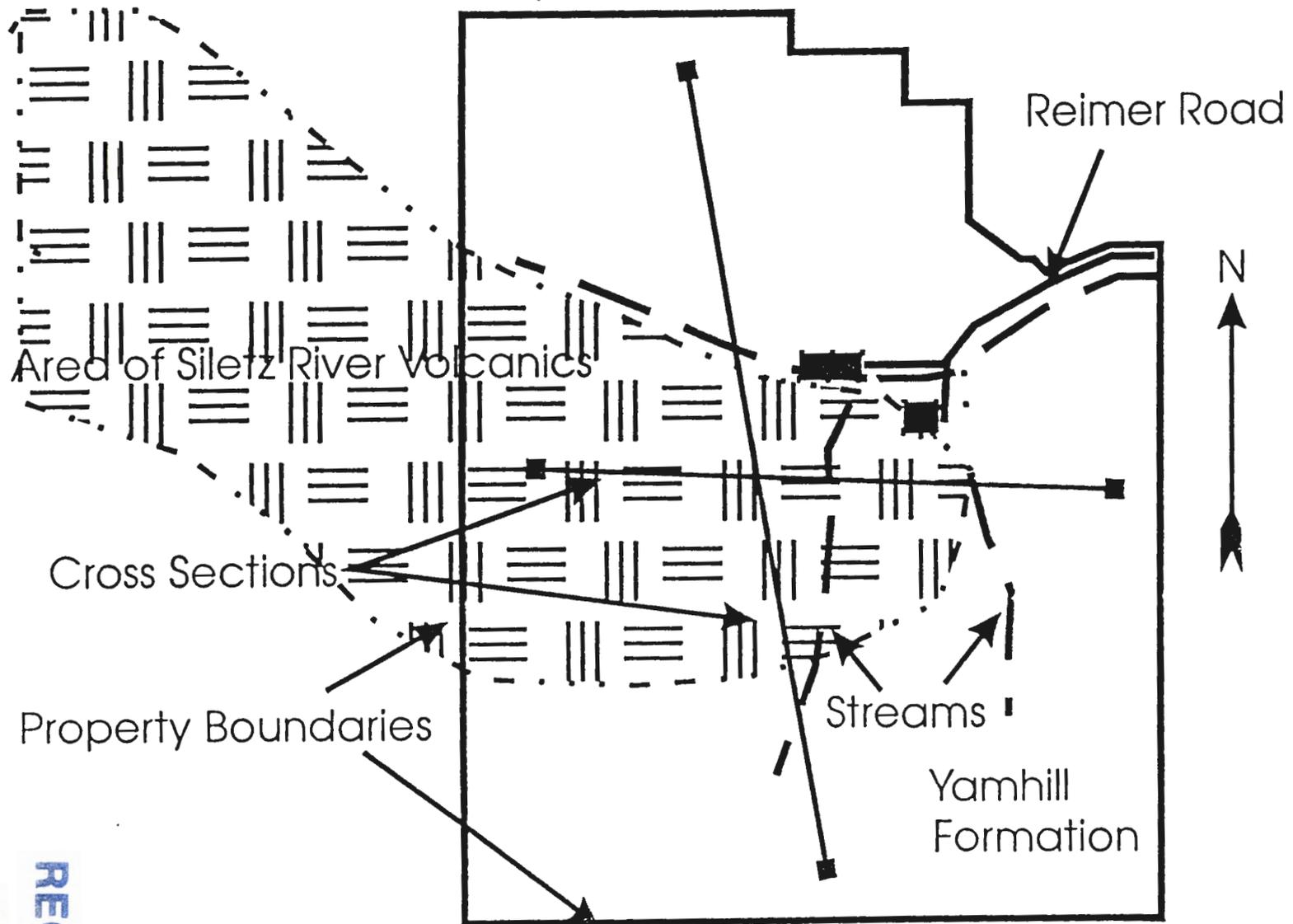
**EGR & Associates, Inc.**  
Engineers, Geologists and Surveyors

2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Area Map

FIGURE 1

Fowler Property Map  
(not to scale)



Area of Siletz River Volcanics

Reimer Road



Cross Sections

Property Boundaries

Streams

Yamhill  
Formation

WATER RESOURCES DEPT.  
SALEM, OREGON

MAY 6 1996

RECEIVED

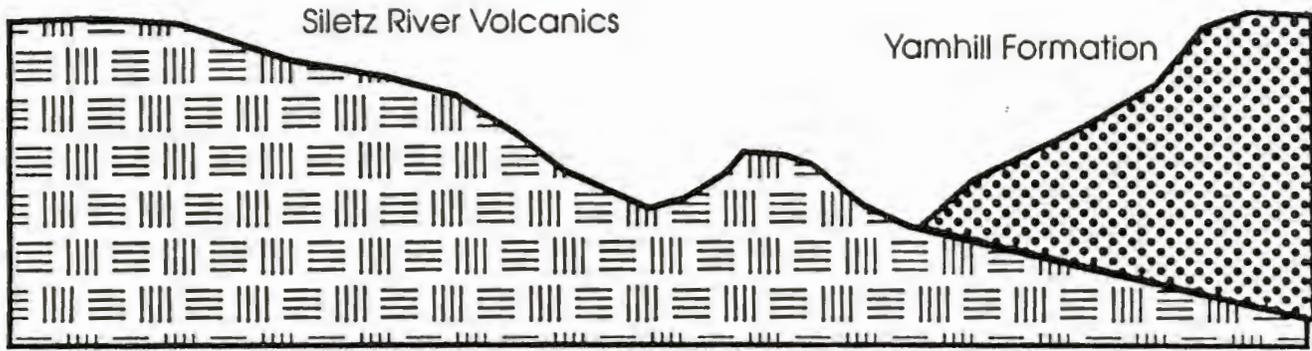
 **EGR & Associates, Inc.**  
*Engineers, Geologists and Surveyors*  
2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Property Map  
FIGURE 2

Fowler Property Quarry

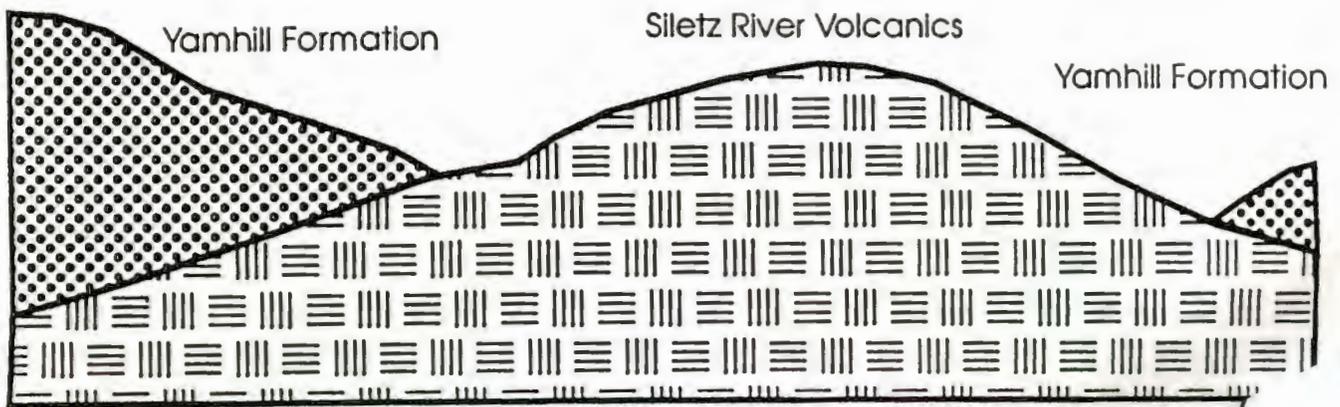
West

East



South

North



**RECEIVED**

**MAY 6 1996**

WATER RESOURCES DEPT  
SALEM, OREGON



**EGR & Associates, Inc.**  
*Engineers, Geologists and Surveyors*

2545 K Prairie Road,  
Eugene, Oregon 97402  
(503) 688-8322

Recharge Rate Calculations Using the Fenn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.93
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	64.59	0.00	0.00	0.00	0.00	0.00	0.00	15.48	13.92	11.86	9.11	7.34	6.88
SOIL MSTR	146.98	8.12	11.31	14.96	16.00	16.00	16.00	15.48	13.92	11.86	9.11	7.34	6.88
CHG.SM	0.00	1.25	3.19	3.64	1.04	0.00	0.00	-0.52	-1.56	-2.06	-2.76	-1.77	-0.46
ACT.ET	23.10	2.06	1.03	0.52	0.26	0.77	1.29	2.12	2.91	3.43	3.44	2.87	2.39
RECH	3.94	0.00	0.00	0.00	2.17	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	16.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.33		10 IN	0.00									
gal/day/acre	293.14		8 IN	0.00									
acres/du	3.41		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

Recharge Rate Calculations Using the Fenn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AVG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	56.51	0.00	0.00	0.00	0.00	0.00	0.00	13.55	12.18	10.38	7.97	6.42	6.02
SOIL MSTR	130.23	7.26	10.45	14.00	14.00	14.00	14.00	13.55	12.18	10.38	7.97	6.42	6.02
CHG.SM	0.00	1.25	3.19	3.55	0.00	0.00	0.00	-0.45	-1.36	-1.80	-2.41	-1.55	-0.40
ACT.ET	21.96	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.72	3.17	3.10	2.65	2.34
RECH	5.08	0.00	0.00	0.10	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	14.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.42		10 IN	0.00									
gal/day/acre	377.97		8 IN	0.00									
acres/du	2.65		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

**RECEIVED**

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

Recharge Rate Calculations Using the Fenn Water Balance Method						SALEM								
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.16	0.11	
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83	
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05	
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08	
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01	
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15	
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93	
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90	
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79	
TABLE VALUE	48.44	0.00	0.00	0.00	0.00	0.00	0.00	11.61	10.44	8.90	6.83	5.50	5.16	
SOIL MSTR	112.44	6.40	9.60	12.00	12.00	12.00	12.00	11.61	10.44	8.90	6.83	5.50	5.16	
CHG.SM	0.00	1.25	3.19	2.40	0.00	0.00	0.00	-0.39	-1.17	-1.54	-2.07	-1.33	-0.34	
ACT.ET	20.82	2.06	1.03	0.52	0.26	0.77	1.29	1.99	2.52	2.92	2.75	2.43	2.28	
RECH	6.22	0.00	0.00	1.24	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00	
MAX SM	12.00		16 IN	0.00										
R/O %	0.35		14 IN	0.00										
			12 IN	0.00										
ft. of rech	0.52		10 IN	0.00										
gal/day/acre	462.80		8 IN	0.00										
acres/du	2.16		6 IN	0.00										
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION													
PET	POTENTIAL EVAPOTRANSPIRATION													
PRECIP %	PERCENTAGE OF PRECIPITATION													
PRECIP	PRECIPITATION													
RUNOFF %	PERCENTAGE OF RUNOFF													
R/O	RUNOFF													
INFILT. (I)	INFILTRATION													
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION													
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET													
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES													
SOIL MSTR	SOIL MOISTURE													
CHG.SM	CHANGE IN SOIL MOISTURE													
ACT.ET	ACTUAL EVAPOTRANSPIRATION													
RECH	RECHARGE TO GROUND WATER													
MAX SM	MAXIMUM SOIL MOISTURE													
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF													

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT  
SALEM, OREGON

Recharge Rate Calculations Using the Fenn Water Balance Method							SALEM						
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PET %	1.00	0.08	0.04	0.02	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.15	0.11
PET	25.77	2.06	1.03	0.52	0.26	0.77	1.29	2.06	2.83	3.61	4.38	4.12	2.83
PRECIP %	1.00	0.09	0.14	0.17	0.15	0.10	0.09	0.07	0.05	0.04	0.02	0.03	0.05
PRECIP	41.60	3.74	5.82	7.07	6.24	4.16	3.74	2.91	2.08	1.66	0.83	1.25	2.08
RUNOFF %	1.00	0.03	0.11	0.20	0.19	0.16	0.12	0.09	0.05	0.02	0.01	0.01	0.01
R/O	14.56	0.44	1.60	2.91	2.77	2.33	1.75	1.31	0.73	0.29	0.15	0.15	0.15
INFILT. (I)	27.04	3.31	4.22	4.16	3.47	1.83	2.00	1.60	1.35	1.37	0.69	1.10	1.93
I-PET	1.27	1.25	3.19	3.64	3.22	1.06	0.71	-0.46	-1.48	-2.24	-3.69	-3.02	-0.90
SUM-(I-PET)	-37.14	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-1.94	-4.18	-7.87	-10.89	-11.79
TABLE VALUE	40.37	0.00	0.00	0.00	0.00	0.00	0.00	9.68	8.70	7.41	5.69	4.58	4.30
SOIL MSTR	94.65	5.54	8.74	10.00	10.00	10.00	10.00	9.68	8.70	7.41	5.69	4.58	4.30
CHG.SM	0.00	1.25	3.19	1.26	0.00	0.00	0.00	-0.32	-0.97	-1.29	-1.72	-1.11	-0.29
ACT.ET	19.68	2.06	1.03	0.52	0.26	0.77	1.29	1.93	2.33	2.66	2.41	2.21	2.22
RECH	7.36	0.00	0.00	2.38	3.22	1.06	0.71	0.00	0.00	0.00	0.00	0.00	0.00
MAX SM	10.00		16 IN	0.00									
R/O %	0.35		14 IN	0.00									
			12 IN	0.00									
ft. of rech	0.61		10 IN	0.00									
gal/day/acre	547.63		8 IN	0.00									
acres/du	1.83		6 IN	0.00									
PET %	PERCENTAGE OF ANNUAL POTENTIAL EVAPOTRANSPIRATION												
PET	POTENTIAL EVAPOTRANSPIRATION												
PRECIP %	PERCENTAGE OF PRECIPITATION												
PRECIP	PRECIPITATION												
RUNOFF %	PERCENTAGE OF RUNOFF												
R/O	RUNOFF												
INFILT. (I)	INFILTRATION												
I-PET	INFILTRATION MINUS POTENTIAL EVAPOTRANSPIRATION												
SUM-(I-PET)	SUM OF THE NEGATIVE NUMBERS OF I-PET												
TABLE VALUE	A CALCULATION VALUE DEVELOPED FROM TABLES												
SOIL MSTR	SOIL MOISTURE												
CHG.SM	CHANGE IN SOIL MOISTURE												
ACT.ET	ACTUAL EVAPOTRANSPIRATION												
RECH	RECHARGE TO GROUND WATER												
MAX SM	MAXIMUM SOIL MOISTURE												
R/O %	PERCENT OF TOTAL RAINFALL THAT ESCAPES AS RUNOFF												

RECEIVED

MAY 6 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

FAX MEMO

To: Martin Boatwright, Boatwright Engineering  
From: Bill Fujii, Water Resources  
May 1, 1996  
Subject: G-13929 Perrydale Domestic Water Association

Attached is the groundwater report I said that I would send to you. As you know changes in the statues has prompted expedited processing of all pending applications. These changes strongly lean toward the Department's assessment of water availability and the completeness of the applications.

I did not want to be the bearer of bad news but, since we have known each other for such a long time, I did not feel it was appropriate to just drop a negative Proposed Final Order out of the blue sky without the courtesy of a phone call.

Here is the situation as I see it:

- The groundwater report does not show water available. This is a fatal flaw, if water is not available, the new statue presumes that issuing the permit is not in the public interest. If you have a groundwater report from Ralph Christensen, I would recommend you share that right away.
- There is no legal description of a point of appropriation. This is a fatal flaw, without a specific point of appropriation a permit can not be issued.
- The service area must be described by 1/4 1/4. Perrydale's service area is the only one required.
- The description of the project portrays the water as at least partially recovered wastewater from a mining operation. This aspect of the project raises well head protection issues, as well as public health and safety issues.
- If a permit was to be issued, it will contain standard language which will require the other permits and land-use authorizations. This will mean that Health Division and DOGAMI permits will be needed. Also the County's Comprehensive plan will need to be amended (Goal 5). I'm assuming that these processes are underway or could be completed before the "C" date of any permit from WRD.

Here are your options as I see them:

- Proceed with the application as it stands, if it is denied, protest the Proposed Final Order. Let a hearings officer decide the merits of the application.
- Request relief from the SB 674 process. This would have to be in written form, the Department has adopted an administrative rule OAR 690-310-270 (2), under this rule the applicant can request a 180 day extension. This may give you the time to gather what ever data necessary to prove your case. A letter stating the reasons addressed to the section manager, Dwight French would do the job.

Let me know what you would like to do some time next week.

# OREGON WATER RESOURCES DEPARTMENT



Commerce Building  
158 12th Street NE  
Salem OR 97310-0210

To Martin Bontarrigat Date: 5/1/96 Page 1 of 4

Fax # 363-1051

From Bill Feyo

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Fax. 503-378-2496

Dam Safety	Director's Office	GIS / Mapping
Groundwater	Hanford Studies	Hearings
Hydrographics	Information (Computer) Services	Legislative & Rules Coord.
Public Information	Strat. Planning & Policy Coord.	Water Resources Comm. Liaison

## Fax. 503-378-8130

Accounting / Fiscal	CWRE Coordination	Columbia / Snake Issues
Conservation	District 16 Watermaster	Enforcement
GWEB Liaison	Land Use Coordination	Northwest Region
Office Services	Personnel	Planning
Resource Management	Water Development Loan Fund	Water Use Reporting
Well Construction	Well Driller Licensing	

## Fax. 503-378-6203

Adjudications	Final Proof Surveys	Hydroelectric Permits
Transfers	Water Rights	

March 21, 1996

John Schoon  
State Representative  
7090 Zena Road  
Rickreall, OR 97371

WATER  
RESOURCES  
DEPARTMENT

RE: File G13929

Dear Mr. Schoon:

Thank you for your letter of January 30, 1996.

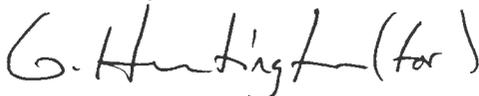
The Perrydale Domestic Water Association application is before our Groundwater/Hydrology section for the required groundwater review. This review entails an evaluation of several factors, and is a necessary step in the water right permit application process established by Senate Bill 674. The groundwater evaluation will examine issues such as:

- 1) whether there is likely to be an adequate supply of groundwater for the proposed new use,
- 2) whether interference with other groundwater users is likely,
- 3) whether there is the potential for substantial interference with prior surface water rights,
- 4) whether the proposed use will measurably reduce flows in scenic waters.

As you know, the Department is working hard to eliminate our entire backlog of water right applications before October 31, 1996, and we are on target to do so. The time it takes to process water right applications is set in large part by statutory provisions that require certain comment and protest waiting periods. Based on these time lines and on the volume of applications currently being processed, our best estimate for issuing this permit is this July.

If you have any questions, please give Dwight French a call at 378-8455, ext. 268. Dwight is the manager in charge of processing pending applications, and he is prepared to help address your concerns.

Sincerely,



Martha O. Pagel  
Director

MOP:DF/dpc.357

cc: Dwight French

Perrydale Domestic Water Association  
File



Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

357

JOHN SCHOON  
RURAL POLK AND BENTON COUNTIES  
DISTRICT 34



HOUSE OF REPRESENTATIVES  
SALEM, OREGON  
97310-1347

RECEIVED

FEB - 2 1996  
WATER RESOURCES DIVISION  
SALEM, OREGON

REPLY TO ADDRESS INDICATED:

- House of Representatives  
Salem, Oregon 97310-1347
- 7090 Zena Road  
Rickreall, Oregon 97371

January 30, 1996

Martha Pagel  
Director, Water Resources Department  
158 12th Street NE  
Salem, OR 97310

Dear Martha:

On December 27, 1994, the Perrydale Domestic Water Association submitted an Application for a Permit to Appropriate Groundwater.

Please let me know what the status of this application is and when the Association can expect action on it.

Thank you in advance.

Sincerely,

John Schoon  
Rural Polk and Benton Counties

March 21, 1996

John Schoon  
State Representative  
7090 Zena Road  
Rickreall, OR 97371

---

WATER  
RESOURCES  
DEPARTMENT

---

RE: File G13929

Dear Mr. Schoon:

Thank you for your letter of January 30, 1996.

The Perrydale Domestic Water Association application is before our Groundwater/Hydrology section for the required groundwater review. This review entails an evaluation of several factors, and is a necessary step in the water right permit application process established by Senate Bill 674. The groundwater evaluation will examine issues such as:

- 1) whether there is likely to be an adequate supply of groundwater for the proposed new use,
- 2) whether interference with other groundwater users is likely,
- 3) whether there is the potential for substantial interference with prior surface water rights,
- 4) whether the proposed use will measurably reduce flows in scenic waters.

As you know, the Department is working hard to eliminate our entire backlog of water right applications before October 31, 1996, and we are on target to do so. The time it takes to process water right applications is set in large part by statutory provisions that require certain comment and protest waiting periods. Based on these time lines and on the volume of applications currently being processed, our best estimate for issuing this permit is this July.

If you have any questions, please give Dwight French a call at 378-8455, ext. 268. Dwight is the manager in charge of processing pending applications, and he is prepared to help address your concerns.

Sincerely,



Martha O. Pagel  
Director

MOP:DF/dpc.357

cc: Dwight French  
Perrydale Domestic Water Association  
File



---

Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

JOHN SCHOON  
RURAL POLK AND BENTON COUNTIES  
DISTRICT 34

REPLY TO ADDRESS INDICATED:

- House of Representatives  
Salem, Oregon 97310-1347  
 7090 Zena Road  
Rickreall, Oregon 97371



HOUSE OF REPRESENTATIVES  
SALEM, OREGON  
97310-1347

357

RECEIVED

FEB - 2 1996

WATER RESOURCES DEPT.  
SALEM, OREGON

January 30, 1996

Martha Pagel  
Director, Water Resources Department  
158 12th Street NE  
Salem, OR 97310

Dear Martha:

On December 27, 1994, the Perrydale Domestic Water Association submitted an Application for a Permit to Appropriate Groundwater.

Please let me know what the status of this application is and when the Association can expect action on it.

Thank you in advance.

Sincerely,

John Schoon  
Rural Polk and Benton Counties

6-13929

To: \_\_\_\_\_ via Darlene  
1. handle by phone/letter  
2. use your discretion \_\_\_\_\_  
Put in: X:\exch\castle\#track

MEMORANDUM

TO: *Applegate*  
FROM: Diane Reynolds  
RE: Correspondence Contact # 357

Today's date: *2/5* Draft due: *2/12*

*Status*

Request for review of correspondence to addressed to:

Governor Kitzhaber (Martha Pagel) Paula Burgess

Please prepare a draft response to the attached correspondence to go out under

- The Governor's signature.
- Martha's signature.
- Paula's signature.

Particulars for signature blocks-

Martha O. Pagel  
Director

OR John A. Kitzhaber

MOP: (your initials) (letter id #)

JAK: (your initials) (letter id #)

OR

Paula Burgess  
Assistant for Natural Resources

PB: (your initials) (letter ID#)"

And as per usual, letters addressed to the Governor for Paula's or Martha's response should begin, "On behalf of the Governor..."

B:MOPLOG

357

JOHN SCHOON  
RURAL POLK AND BENTON COUNTIES  
DISTRICT 34



HOUSE OF REPRESENTATIVES  
SALEM, OREGON  
97310-1347

RECEIVED

FEB - 2 1996  
WATER RESOURCES DIVISION  
SALEM, OREGON

REPLY TO ADDRESS INDICATED:  
 House of Representatives  
Salem, Oregon 97310-1347  
 7090 Zena Road  
Rickreall, Oregon 97371

January 30, 1996

Martha Pagel  
Director, Water Resources Department  
158 12th Street NE  
Salem, OR 97310

Dear Martha:

On December 27, 1994, the Perrydale Domestic Water Association submitted an Application for a Permit to Appropriate Groundwater.

Please let me know what the status of this application is and when the Association can expect action on it.

Thank you in advance.

Sincerely,

John Schoon  
Rural Polk and Benton Counties

file

Oregon

JANUARY 25, 1996

WATER  
RESOURCES  
DEPARTMENT

PERRYDALE DOMESTIC WATER ASSOCIATION  
11475 W PERRYDALE RD  
AMITY, OREGON 97101

Reference: File G-13929

Dear Applicant:

**THIS IS NOT A PERMIT AND IS  
SUBJECT TO CHANGE AT NEXT PHASE OF PROCESS**

This letter is to inform you of the status of your application for water use. Based on the information you have supplied, the Water Resources Department has reached the following conclusions:

Initial Review Determinations:

1. Your application is complete and not defective.
2. The proposed use is not prohibited by law or rule.
3. The use of water for QUASI-MUNICIPAL **is allowed** under OAR 502, the Willamette Basin Program.
4. The use of a maximum cumulative total of 4.0 CUBIC FEET PER SECOND from a maximum of 18 Wells for QUASI-MUNICIPAL **is available** year round.

Summary of Initial Determinations

The use of a maximum cumulative total of 4.0 cfs from a maximum of 18 Wells for Quasi-Municipal may be allowed year round.

Because of these favorable determinations to your application the Department can now move your application to the next phase of the water rights application review process. This phase is where public interest factors will be evaluated.



Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period, will be evaluated at the next phase of the process.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$50 processing charge per application.) To accomplish this you must notify the Department in writing by **FEBRUARY 8, 1996**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. You may be required to measure the amount of water used and report that use annually.
2. If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.
3. To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of (Generally March). Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

**Before Use of Water Takes Place**

Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

**After Use of Water has Begun**

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of three or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

G-13929

January 25, 1996

Page 4

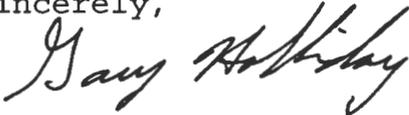
The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

4. The priority date for this application is December 28, 1994.

If you have any questions:

Feel free to call me at (503) 378-8455 ext. 454 or 1 (800) 624-3199 if you have any questions. Please have your application number available if you call.

Sincerely,



Gary Holliday  
Initial Reviewer

cc: Regional Manager, Watermaster, Water Availability  
Section  
enclosures: Flow Chart of Water Right Process  
Stop Processing Form

**IR CHECKLIST**

Application #: G 13929 Vol \_\_\_\_\_ Subbasin \_\_\_\_\_

Basin: 2 WAB: 01051121500 POU-WAB 01051121500

Township 7.5 Range 5W Section 17 1/4 1/4 \_\_\_\_\_

- 1. Items have been verified on Completeness Checklist.
- 2. Check file for indicators that the process should not continue until a later date (ie - protest, items (other than oath) missing from the completeness check, letter to file indicating hold, or other)
- 3. A groundwater review has been evaluated for substantial interference with surface water (convert old gw conditions to the 7 series and add to the PFO, if necessary)
  - a. Is the well located in a groundwater limited area?
  - b. A  B  C
- 4. Is the Proposed Use located in or above a Scenic Waterway?
- 5. Is the proposed use located in a TMDL Basin? (Tualatin, Yamhill, Pudding)
- 6. Is the use allowed or limited by the Basin Program? \_\_\_\_\_ OAR(s) \_\_\_\_\_
- 7. Is the source withdrawn or limited? - State Engineer, Legislative (ORS 538), etc.
- 8. Basin Maps (metal cabinet) have been checked and River Mile ( \_\_\_\_\_ ) has been identified
- 9. Water Availability Data has been verified (50% < July 17, 1992/80% [50% storage] > July 17, 1992) \_\_\_\_\_
- 10. Rate \_\_\_\_\_ Duty \_\_\_\_\_ Season \_\_\_\_\_
- 11. Use Quasi Municipal Period of Allowed Use \_\_\_\_\_
- 12. Priority Date(s) Dec. 28, 1994
- 13. Is use from a B.O.R. project and if so, is a signed contract in the file? \_\_\_\_\_
- 14. Division 33 (Abv Bonn > July 17, 1992 & Blw Bonn > April 18, 1994 or June 3, 1994) \_\_\_\_\_
- 15. Plat cards have been checked and a copy of the map is attached showing the conflict with \_\_\_\_\_
- 17. Land use approval  OK'd  needs approval  county notified
- 19. conditions? (BOR,  GW, etc.) 7B, 7C
- 20. Watermaster District #: 16
- 21. Regional Office  NWR  NCR, ER, SCR, or SWR)
- 22. IR has been saved to m:\t\ir\sent\app # from m:\t\ir\work\app #

Name: [Signature] Date: 1-24-96

fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses.

(3) Multnomah Channel and drainage waters originating within drainage districts are classified for domestic, livestock, municipal, industrial, irrigation, commercial, agricultural, mining, power, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses.

(4) Except as specified in subsections (1)(a), (b) and (c) of this rule, all stream systems in the Columbia Subbasin and Columbia Slough are classified year-round only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses.

Stat. Auth.: ORS 536.300 & 536.340  
Hist.: WRD 4-1992, f. & cert. ef. 3-13-92

### **Groundwater Classifications and Conditions**

690-502-160 (1) Use of groundwater from the basalt aquifer within the Cooper-Bull Mountain Critical Groundwater Area shall be as described in the State Engineer's order designating the Cooper-Bull Mountain Critical Groundwater Area dated May 17, 1974.

(2) Groundwater Classification: The ground-water resources of the Willamette Basin are classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, recreation, fish life, wildlife, pollution abatement, wetland enhancement and statutorily exempt groundwater uses with the following exceptions:

(a) Groundwater from the *shallow* Troutdale aquifer and the specially designated portion of the *deep* Troutdale aquifer in the Sandy-Boring area is classified for exempt uses only. The Sandy-Boring Groundwater Limited Area is as described and shown in Exhibit 1. Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed and shall contain the Special Permit Conditions specified in section (4) of this rule. Applications may be rejected if the aquifer displays any of the adverse impacts defined in OAR 690-08. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications;

(b) Groundwater from the basalt aquifers in the Damascus, Gladtidings, Kingston, Mt. Angel, Parrett Mountain, and Stayton-Sublimity areas, and the Troutdale aquifer in the Damascus area is classified for exempt uses only:

(A) The Damascus Groundwater Limited Area is as described and shown in Exhibit 2. The Gladtidings Groundwater Limited Area is as described and shown in Exhibit 3. The Kingston Groundwater Limited Area is as described and shown in Exhibit 4. The Mt. Angel Groundwater Limited Area is as described and shown in Exhibit 5. The Parrett Mountain Groundwater Limited Area is as described and shown in Exhibit 9. The Stayton-Sublimity Groundwater Limited Area is as described and shown in Exhibit 7;

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in section (3) of this rule. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water

Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply.

(c)(A) Except as provided in paragraph (B) of this subsection, groundwater from the basalt aquifers in the Sherwood-Dammasch-Wilsonville Groundwater Limited Area as described and shown in Exhibit 6 is classified for exempt uses only;

(B) Groundwater applications G-12155 (City of Sherwood) and G-13353 (Manke Lumber Co.) shall be processed according to the classifications in effect on the date the application was filed. Permits shall contain the Special Permit Conditions specified in Section (3) of this rule.

(d) Groundwater in the basalt aquifers in the Chehalem Mountain, Eola Hills and South Salem Hills Groundwater Limited Areas is classified for exempt uses, irrigation and rural residential fire protection systems only. Permits may be issued, for a period not to exceed five years, for fire protection and for drip or equally efficient irrigation provided the Director finds the proposed use and amount do not pose a threat to the groundwater resource or existing permit holders. The amount of water used for irrigation shall be further limited to one acre-foot per acre per year. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08:

(A) The Chehalem Mountain Groundwater Limited Area is as described and shown in Exhibit 8. The Eola Hills Groundwater Limited Area is as described and shown in Exhibit 10. The South Salem Hills Groundwater Limited Area is as described and shown in Exhibit 11;

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in section (3) of this rule. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply;

(e) Groundwater — Surface water hydraulic connection: These rules are in addition to the requirements of OAR 690-09. Groundwater in unconfined alluvium within 1/4 mile of the banks of a stream or surface water source is presumed to be in hydraulic connection with the surface water source, unless the applicant or appropriator provides satisfactory information or demonstration to the contrary. This hydraulically connected groundwater shall be classified the same as the surface source. This section shall not apply to those groundwater uses exempted by ORS 537.545. Notwithstanding such classification, permits may be issued for the use of water from a well in an unconfined aquifer that is hydraulically connected to groundwater, within a quarter mile of a stream, provided that surface water impacts are mitigated through storage releases.

(3) Special Columbia River Basalt Group Aquifer Permit Conditions: New permits issued to appropriate groundwater from Columbia River Basalt Group aquifers shall be specially conditioned. The conditions shall specify:

(a) A static water level measurement be made and submitted before any use of water may commence at the well;

(b) The permittee/appropriator install a meter or other suitable measuring device approved by the Director and submit an annual report of water used to the Department;

(c) Limits on acceptable amounts of depletion and interference with other users;

(d) Use of water from the well be controlled or shut off if limits specified in the permit to protect the resource from depletion, and prior appropriators from interference, are exceeded;

(e) The Department shall determine, from measurements submitted by the permittee/ appropriator, or other data on file in the department, the initial and subsequent water levels from which the previously cited declines are referenced;

(f) Following the issuance of a permit, the permittee/appropriator shall measure the water levels in the permitted well each year between March 1 and March 31 (spring high-water level) and submit the data to the Department within 90 days of measurement. Water level measurements shall be made by a certified water rights examiner, licensed water well driller, licensed pump installer, registered geologist, licensed land surveyor, registered professional engineer or the permittee/ appropriator;

(g) Any other conditions derived from OAR 690-08 as deemed necessary to protect the groundwater resource.

(4) Special Permit Conditions: New permits issued to appropriate groundwater from aquifers within the Sandy-Boring Groundwater Limited Area and the Troutdale aquifer in the Damascus Groundwater Limited Area shall be specially conditioned. The conditions shall specify:

(a) A static water level measurement be made and submitted before any use of water may commence at the well;

(b) Limits on acceptable amounts of depletion and interference with other users;

(c) Use of water from the well be controlled or shut off if limits specified in the permit to protect the resource from depletion, and prior appropriators from interference, are exceeded;

(d) The Department shall determine, from measurements submitted by the permittee/ appropriator, or other data on file in the department, the initial and subsequent water levels from which the previously cited declines are referenced;

(e) Following the issuance of a permit, the permittee/appropriator shall measure the water levels in the permitted well each year between March 1 and March 31 (spring high-water level) and submit the data to the Department within 90 days of measurement. Water level measurements shall be made by a certified water rights examiner, licensed water well driller, licensed pump installer, registered geologist, licensed land surveyor, registered professional engineer or the permittee/ appropriator;

(f) Any other conditions as specified in OAR 690-08 as deemed necessary to protect the groundwater resource.

[ED. NOTE: The Exhibit(s) referenced in this rule is not printed in the OAR Compilation. Copies are available from the Water Resources Department.]

Stat. Auth.: ORS Ch. 536 & 537

Hist.: WRD 4-1992, f. & cert. ef. 3-13-92; WRD 12-1993, f. & cert. ef. 9-9-92; WRD 3-1994, f. & cert. ef. 3-10-94, WRD - 1994, f. & cert. ef. 11-7-94



PRE-TR APPLICATION PROCESSING OUTLINE

Application File #

G13929

MINIMUM REQUIREMENTS TO FILE

OAR 690-11-020

DATE STAMP

DATE	INITIAL	
12/28/94	mm	Name and mailing address of applicant
↓	↓	Source of water
↓	↓	Quantity of water
↓	↓	Map showing location of POD & POU
↓	↓	Use of water
↓	↓	Names and addresses of legal owners
↓	↓	Signature of applicant
↓	↓	Oath
↓	↓	Application date stamped per money receipt date
↓	↓	Land use approved _____ pending _____
_____	_____	If reservoir < 5 AF \$_____, if > 5 AF \$_____
_____	_____	HB 2153/HB 2107 APPLICATION -- SEE REVERSE
_____	_____	Route to Data Center (Unless 2153/2107)

DATA CENTER

_____	_____	Stream Code _____
_____	_____	Entered into WRIS

SUPPORT SERVICES

4/12/95	dx	Stamp contents with application number
u	u	Mail ack letter (provided by Data Center) with receipt to applicant, cc to CWRE and file
_____	_____	Place label on file and calender card

APPLICATION SECTION

_____	_____	Stream Indexed	Basin # _____
_____	_____	Plat Carded and copy made	YES NO
_____	_____	If dam is over 10 feet or storage exceeds 9.2 AC-FT, route file to Dam Safety Section	

TR CASEWORKER

_____	_____	TR Checklist complete	YES NO
_____	_____	Within Irrigation District	_____
_____	_____	District Notified	_____
_____	_____	District excerpt received	_____
_____	_____	TR Mailed DATE	_____
_____	_____	Public Interest Checklist complete	_____
_____	_____	Management Codes	_____

REMARKS: \_\_\_\_\_

**MINIMUM APPLICATION REQUIREMENTS TO FILE:**

**HB 2153 - existing, small, EXEMPT ponds**

\_\_\_\_\_  
(date & initials) NOTICE OF EXEMPT RESERVOIR form (or letter if prior to April 8, 1994).

\_\_\_\_\_  
Appropriate map (see item 1 on form).

\_\_\_\_\_  
Evidence that reservoir existed before January 1, 1993 (one or more of the following: dated aerial photo, NOTARIZED affidavit, dated map from agency, construction receipts or other documentation).

\_\_\_\_\_  
Items 2, 3, 4, 5, and 6 are completed.

\_\_\_\_\_  
Signature (and title, if applicable)

**HB 2153 - non-exempt existing ponds (large, on-channel)**

Complete Minimum Requirements to File on reverse, except before routing to Data Center, change priority date to 1/1/1993. Also, confirm the following:

\_\_\_\_\_  
Receipt of evidence that reservoir existed before January 1, 1993 (one or more of the following: dated aerial photo, NOTARIZED affidavit, dated map from agency, construction receipts or other documentation)

**HB 2107 - wetland, stream restoration and storm water management**

Complete Minimum Requirements to File on reverse EXCEPT DO NOT ROUTE TO DATA CENTER, BUT DO ROUTE TO CAROL. Also confirm the following:

\_\_\_\_\_  
Name/address of adjacent property owner within 1/4 mile

\_\_\_\_\_  
Map with scale not less than 2 in.=1 mi.

\_\_\_\_\_  
CWRE map if > 10 feet dam or > 9.2 AF

\_\_\_\_\_  
Description of proposed use

\_\_\_\_\_  
Condition addressed

\_\_\_\_\_  
Resulting benefits

\_\_\_\_\_  
Public notices (circle) #1 #2

COMPLETED

COMPLETENESS DETERMINATION CHECKLIST

Application #	Review Date	Reviewer
G - 13929	8/28/95	GERRY

MC  
8-28-95

A checkmark (✓) indicates that the item is incomplete or defective.

- 1. Examination fees. *fees OK*
- 2. Name and address of the applicant, and title if applicable.
- 3. Source of water.
- 4. Use of water.
- 5. Amount of water.
- 6. Description of delivery system.
- 7. A statement of whether the applicant has written authorization or easements permitting access to lands owned by others.
- 8. Name(s) and address(es) of the owners of any lands involved, but not owned by the applicant.
- 9. Proposed dates of beginning and completion of construction, and complete application of water.
- 10. If for municipal use, the present population to be served and expected future water requirements.
- 11. If for mining use, the type of mines and methods of supplying & utilizing the water.
- 12. If for a reservoir:
  - a. The height of the dam.
  - b. The storage capacity.
  - c. The area submerged.
  - d. The maximum depth.
  - e. The construction method (earthfill, concrete, flashboard, etc.).
  - f. A description of the outlet conduit.
  - g. A description of the spillway.
- 13. If for groundwater, the horizontal distance from the well to the nearest surface water source (if within one mile), and the difference in land surface elevation between them.
- 14. If the application was made under HB 2107:
  - a. Name and address of each adjacent property owner and verification that each owner has been mailed a copy of the completed notice.
  - b. A description of the proposed water used and related project, the condition it will address, and the benefits that are expected to result from the project.
  - c. The number of reservoirs per application is appropriate as per OAR 690-11-049 (3)(b)
- 15. An oath that the application information is true and correct.
- 16. The signature of the applicant(s).
- 17. A satisfactory map of the proposed POD & POU.
- 18. A Land Use Information Form or receipt.
- 19. A legal description of the property where water will be used.



**Boatwright Engineering Inc.**

2613 12th ST SE, SALEM, OREGON 97302  
civil engineers • land surveyors

(503) 363-9225 (FAX) 363-1051

June 26, 1995

Dwight French  
Oregon Department of Water Resources  
158 12th Street NE  
Salem, Oregon 97310

**RECEIVED**

**JUN 28 1995**

**WATER RESOURCES  
SALEM, OREGON**

Re: G-13929  
Perrydale Domestic Water Association

Dear Dwight,

The above referenced application was filed with your office last December 28th. Recently, while working on Perrydale's Master Water Management Plan, I discovered that the Association has two areas of service which extend just outside of the permit boundaries for their previously issued permits. To rectify this situation, we would like to amend the place of use maps accompanying this application to **add** the following areas:

- **Section 36, T 5 S, R 6 W, WM, Yamhill County, Oregon**
- **W ½ and SE ¼, of Section 18, T 7 S, R 4 W, WM, Polk County, Oregon**  
(this would make all of Section 18 included)

If I can be of any assistance to you on this matter, please do not hesitate to call.

Sincerely,

Jeanne Plasker Boatwright

CC: Ray Hobson, Perrydale Domestic Water Association

RECEIVED

MAR 29 1995

COMMENT FORM

WATER RESOURCES DEPT.  
SALEM, OREGON

Please list below the Application Number of the water use application(s) that are of interest to you. When the technical evaluation is completed a report of the technical review of these applications will be delivered to you.

Application #s G13979, G13980, G13929, G13966, G13967, G13968

Send to:

Schneider Drilling Co. - Attn: Steve  
21881 River Road NE  
St. Paul, OR 97137

Please include specific comments or concerns. Use additional sheets if necessary.

Return to:

Oregon Water Resources Department  
158 12th ST NE  
Salem, Oregon 97310

This Comment corresponds to the  
FEB/22/1995 Public Notice.

February 15, 1995

PERRYDALE DOMESTIC WATER ASOCIATION  
11475 W PERRYDALE RD  
AMITY, OR 97101

REFERENCE: File(s) G-13929

We have received your application(s) for a water use permit along with your supporting data, documentation, and fees. A receipt is enclosed here unless you were previously issued one. Your application has been assigned the above referenced file number. Please refer to this number whenever you contact us about your application.

Even though your application has been received, filed and assigned an application reference number, no authorization has been granted to develop your water use. The filing of an application does not create a water right. Water may not be used until a water right permit has been issued by the Department.

After an application has been accepted for filing, public notification of the application is made, followed by the mandatory 30-day comment period. Thereafter, applications can be considered for processing as time allows.

At present the Water Resources Department has a backlog of several thousand applications for water use permits which has delayed our application processing time. In general, applications are processed in the order in which they are received. However, Department staff work through Oregon's 18 river basins on a rotation basis often completing work on all applications within a single basin, then proceeding to the next basin.

The processing of an application does not guarantee that a water right permit will be issued. Each application must undergo specialized analysis called a technical review and a public interest review. Until your application is reviewed, it is not possible to determine whether your particular proposed water use will be recommended for a permit.

The Water Resources Commission is considering the adoption of rules to protect stream flows for fish species. This action is being contemplated in response to current and future Endangered Species Act fish listings, including many runs of salmon, steelhead and resident fish throughout the state.



REFERENCE: File(s) - G-13929

The proposed rules, if adopted, could limit the issuance of new water right permits in certain areas of the state. If and when the Commission adopts these rules, new criteria or restrictions may be imposed on water use applications received after:

July 17, 1992, for use of water in the Upper Columbia/Snake Basin (above Bonneville Dam), including the mainstem Columbia and Snake Rivers and the Hood, Deschutes, John Day, Umatilla, Grande Ronde, Powder, Malheur and Owyhee Basins;

April 8, 1994, for use of water in the North Coast, Mid Coast, South Coast, Rogue and Umpqua Basins and the Clackamas Subbasin of the Willamette Basin; and

June 3, 1994, for use of water in all Oregon basins.

When the report on the technical review is completed and sent to you, a 60-day objection period begins during which you, the applicant, or anyone who has expressed an interest in your proposed water use may communicate to us their disagreement with what we have said in our report on your application. After the 60-day objection period, the Department conducts the public interest review and considers any objections which have been made.

After any objections have been considered, there may follow time to allow parties to resolve conflicts over the proposed water use. In addition, a 30-day protest period may be required. Lastly, it may be necessary to schedule a hearing or send the application to the Water Resources Commission for their review.

If your application is recommended for approval and a permit is issued, the use allowed by the permit will be subject to the Basin Program Rules of the Water Resources Commission, instream flow requirements, the demands of prior right holders and other conditions to conform the water use to particular standards.

Please contact a Water Rights Research Assistant of the Water Resources Department if you have any questions. You may write to us at 158 12th ST NE, Salem, Oregon 97310 or you may call 378-3739 in Salem or toll free from within the state 1-800-624-3199.

Sincerely,



Cory C. Engel  
Water Rights Research Assistant  
Water Rights/Adjudication Division

cc: CWRE

G13929

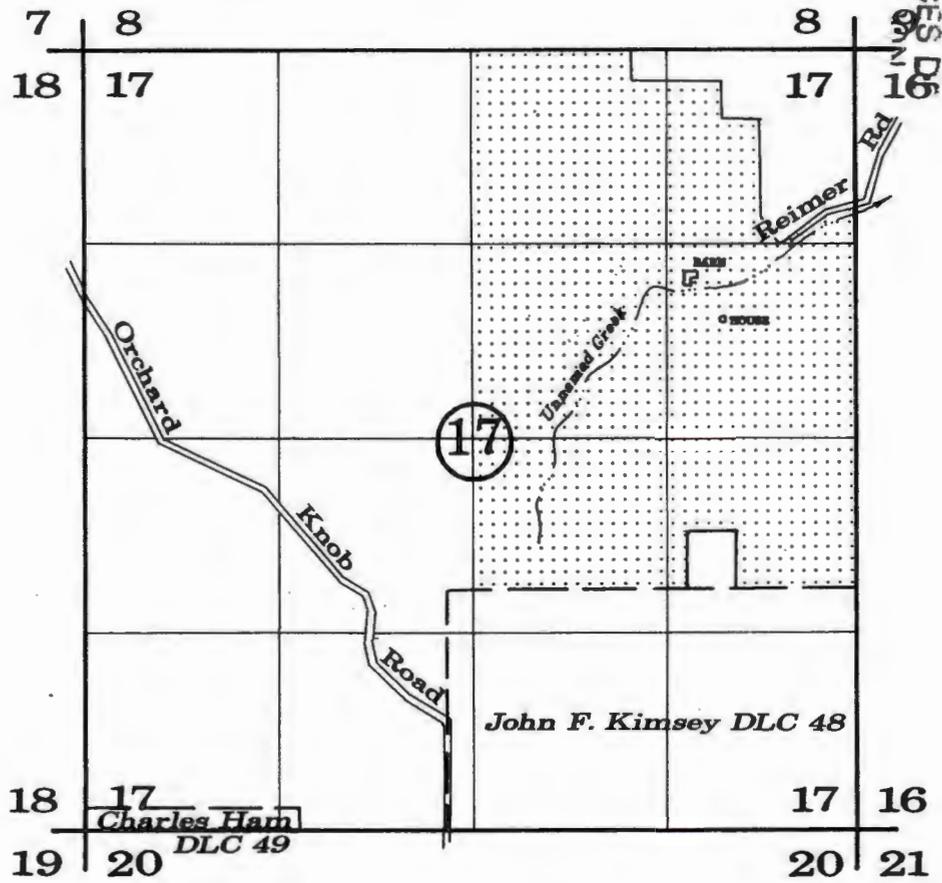
# T 7 S, R 5 W, W.M.

POLK COUNTY, OREGON

Application No. **G13929**

Permit No. **G12721**

RECEIVED  
DEC 28 1994  
WATER RESOURCES DIV  
OR DEPT OF AGRICULTURE



 PROPOSED AREA FOR LOCATION OF MULTIPLE POINTS OF DIVERSION.

Application No. G-13929, Permit No. \_\_\_\_\_

Scale: 1" = 1320'  
December 1, 1994

## Perrydale Domestic Water Association

### APPLICATION TO APPROPRIATE GROUNDWATER

NOTE: This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.



Exam 200  
Rec. 100 - 1cf  
150 - 3cfs  
450

Application No. G 13929

State of Oregon  
WATER RESOURCES DEPARTMENT

# Application for a Permit to Appropriate Groundwater

Applicant(s) Perrydale Domestic Water Association  
(Please print or type - use dark ink)

Mailing Address: 11475 West Perrydale Road  
Amity Oregon 97101 (503) 835-7221  
City State Zip Daytime Phone No.

I (We) make application for a permit to appropriate the following described ground waters of the State of Oregon:

1. **THE DEVELOPMENT** (number of wells, tile lines, infiltration galleries, etc.): \_\_\_\_\_  
6 Well Zones with a maximum of 18 wells

If development is less than one mile from a natural stream, give the following:

Distance from development to stream: See Remarks

Elevation difference between streambed and development: See Remarks

NOTE: Wells must be constructed according to standards set by the department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well driller's log with this application, and skip to Section 2 below.

Diameter of well: 8" - 10" Depth in feet: 150'±

Type and size of well casing: 8" - 10" No. of feet: 150'±

Estimated depth to water: 150'

Type of access port or measuring device: to be determined

Wells to be drilled by: to be determined

Address: \_\_\_\_\_

If the water well is flowing artesian, describe your water control and conservation works: \_\_\_\_\_

Wells will be equipt with air-vacuum relief valves to maintain closed systems. No water will be allowed to be lost to non-beneficial use.

2. **TOTAL AMOUNT OF WATER** to be applied to beneficial use: 4.0 cubic feet per second, OR \_\_\_\_\_ gallons per minute. If water is to be used from more than one groundwater source, give the quantity of water from each: water from any one well will not exceed 0.56 cfs. The quantity will be determined when the site is developed.

3. **INTENDED USE(s) OF WATER:** Quasi-Municipal

If for more than one use, give the quantity of water from each source for each use; \_\_\_\_\_

If for **DOMESTIC** use, state the number of households to be supplied; \_\_\_\_\_

If for **MUNICIPAL OR QUASI-MUNICIPAL** use, state the present population to be served, and an estimate of the future requirements; (List population projections, water needs, anticipated areas to be provided water.)

present population: 2000±

future population: 3000± (yr. 2015)

If for **MINING** use, state the nature (gold, silver, etc.) of the mines to be served; \_\_\_\_\_

If for **IRRIGATION**, or other land area use, state the **TOTAL** number of acres to be developed under each use;

Irrigation \_\_\_\_\_

Other (describe) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. **DESCRIPTION OF WATER DELIVERY SYSTEM:** Include dimensions and type of construction of diversion works, length and dimensions of supply ditches or pipelines, size and type of pump and motor. If for irrigation, describe the type of system (i.e., flood, wheel line, hand line, drip, other).

To be determined

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. **PROJECT SCHEDULE:** (List month and year)

Proposed date construction work will begin permit date + 1 year

Proposed date construction work will be completed permit date + 5 years

Proposed date water use will be completed permit date + 50 years

**NOTE:** Prior to the issuance of a permit it will be necessary to submit a map prepared by a Certified Water Right Examiner (CWRE) and a complete legal description of the property on which the water is to be used. The legal description may be copied from your deed, title insurance policy, or land sales contract.

# Oregon Water Resources Department

## Form M

RECEIVED

JAN 16 1996

This form is to be used in conjunction with applications for permits to use water for municipal purposes.

WATER RESOURCES DEPT  
SALEM, OREGON

*Read instructions carefully. Answer all questions.*

*Type or print clearly in dark ink.*

PERRYDALE DOMESTIC WATER ASSOCIATION

### 1. POPULATION: APPLICATION G-13929

- What is the present population to be served? 519 Services X 4 = 2076 Population
- Do you serve population beyond your city limits? No, unless other water supplier's need assistance.
- According to your estimates, what will the population be 25 years from now? (Please cite source) 3,600 based on the last 20 yr. growth & waiting list.

### 2. WATER NEEDS:

- What are your current water needs? 8,600,000 gal/month 93% of capacity
- What will your water needs be 25 years from now? 14,900,000 gal/month 210 gpm
- List your current source(s) of water by water body, amount of use and water right permit (e.g., Crystal Creek, .01 cfs, Permit S-12345).

Well #1	180 gpm	Permit G-6352	60 gpm out put
Well #2-A	60 gpm	Permit G-10987	0 gpm see (d) can produce 40 gpm
Well #3	300 gpm	Permit G-10908	170 gpm out put
Well #4	150 gpm	Permit G-10986	110 gpm out put
- Explain how your existing water use permits and water rights will assist in meeting your water use needs (i.e., Have you identified any of your water use permits or water rights that cannot or will not be used to meet future needs?). Please explain.

A new Application G-13929 will help provide additional water, so that the 80 houses that are on a waiting list can get water. Well #2-A has a salt & sulfer problem and once the most economical way to clean this well is found it will be use

### 3. CONSERVATION MEASURES: Please describe what you propose to do to prevent waste of water (e.g., metering, weekly measurements, etc.).

Every house will be metered and read bimonthly. Water is not allowed to be irrigated on the lawns during peak demands.

Please include a copy of your water facilities plan with your application.

6. a) In the event any deficiencies are noted involving the application map enclosed herein, please return the map with instructions for correction to (check one):

\_\_\_\_\_ Applicant      XX CWRE      \_\_\_\_\_ Other (Identify in REMARKS section)

b) In the event any deficiencies are noted involving the application, please return the application with instructions for correction to (check one):

\_\_\_\_\_ Applicant      XX CWRE      \_\_\_\_\_ Other (Identify in REMARKS section)

7. Are all lands involved (including the proposed diversion site, place of use, and access for conveying the water) under your ownership? No. If not, list in the REMARKS section below, or on an attached sheet, the names and mailing addresses of the legal owners of all property involved in the proposed development.

NOTE: Prior to receiving a certificate of water right, the permit holder must submit to the Water Resources Department the results of a pump test meeting the department's standards. The Director will require water level or pump test results every ten years thereafter.

REMARKS: See attached sheet.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I/We certify that the information I have provided in this application is an accurate representation of the proposed water use and is true and correct to the best of my knowledge:

Ray Hobson  
Signature

Dec 27 1994  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

-----  
**FOR WATER RESOURCES DEPARTMENT USE ONLY**

Dear Applicant:

I certify that I have examined the foregoing application, together with the accompanying information, and am returning it to you for:

\_\_\_\_\_  
\_\_\_\_\_  
In order to retain its tentative priority, this application must be returned with the requested corrections or additions on or before:

\_\_\_\_\_, 19\_\_\_\_.

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
*Water Resources Director*

By: \_\_\_\_\_

This instrument was first received in the office of the Water Resources Director at \_\_\_\_\_, Oregon, on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at \_\_\_\_\_ o'clock, \_\_\_\_ M.

APPLICATION NO: G 13929

APPLICATION FOR A PERMIT TO APPROPRIATE GROUND WATER

– Perrydale Domestic Water Association–

**REMARKS:** Property Owners: James and Candace Fowler  
3910 Perrydale Road  
Dallas, Oregon 97338

John B. and Molli J. Fowler  
P.O. Box 229  
Dallas, Oregon 97338

The property owners intend to mine the top layers of basalt. The Water Association will manage the water level for them by pumping and placing the water to beneficial use in its domestic supply system.

One, or several, well fields will be developed. The entire ownership is shown as the place of diversion. Until further investigations and drillings are completed, their exact number and locations on the property are unknown. Some preliminary investigations seem to indicate that the water in the basalt is in veins. Determining its location and exact quantity will take some more exploration.

If the quantity of water is more abundant than what can be used by Perrydale, the Association will sell the water to the following entities:

"Tanglewood" Service Area  
Buell - Red Prairie Water Association  
Rickreall Communtiy Water Association

These service areas are shown on the accompanying map.

Measurements of distance and elevation to the intermittent on-site drainage is also unknown until well sites have been chosen.

**RECEIVED**  
DEC 28 1994  
WATER RESOURCES DIVISION

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached request for land use information is applying for a water right. The Water Resources Department (WRD) requires its applicants to obtain land use information to be sure water rights do not result in land uses that would violate your comprehensive plan.

WRD will not accept applications which are not accompanied by this completed land use form or the signed, dated receipt stub detached from the bottom of the land use information form.

You will receive notice once the applicant formally submits his or her request to WRD. The notice will give more detailed information about WRD's water rights process and comment opportunities. If you give the applicant the receipt stub in lieu of completing the form, you will have 30 days from the date of the notice mentioned above to complete the form and return it to WRD. If no land use information is received from you within that 30 day period, WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan.

Your attention to this request for information is greatly appreciated by both the applicant and WRD. If you have questions concerning the form, please contact WRD at 378-3739.

RECEIVED

DEC 28 1994

WATER RESOURCES DEPT  
SALEM, OREGON



Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

## Description of Water Use

**Note to Applicant:** This sheet will provide local planning staff with a basic description of your proposed water use. Please fill out this sheet before bringing the attached land use form to your local planning office. It will help local planning offices complete your land use information form quickly.

**Note to Local Planning Officials:** Please initial this sheet. Do not separate it from the land use information form. If needed, please make a separate copy for your records.

Applicant Name: Perrydale Domestic Water Association  
 Address: 11475 West Perrydale Road  
Amity, Oregon 97101  
 Phone: (503) 835-7221

Please indicate what you will use the water for. Check all boxes that apply and fill in the blanks with key characteristics of the project

- Irrigation (crop type, golf course, nursery or greenhouse): \_\_\_\_\_
- Livestock (type of livestock, feedlot, slaughterhouse): \_\_\_\_\_
- Residential (# units, single or multi-family, # lots if partition or subdivision): \_\_\_\_\_
- Commercial (i.e., retail, office, restaurant, gas station, hotel, service, etc.): \_\_\_\_\_
- Industrial (i.e., factory, pulp mill, research and development, processing, etc.): \_\_\_\_\_
- Institutional (i.e., school, library, etc.): \_\_\_\_\_
- Mining (aggregate, metal, open pit, placer, etc.): \_\_\_\_\_
- Recreation (park, campsite, pond, etc.) \_\_\_\_\_
- Fish and Wildlife (pond, hatchery, etc.) \_\_\_\_\_
- Hydropower (dam, reservoir, power generating or transmitting facilities): \_\_\_\_\_
- Other (Name and list key characteristics): Quasi-Municipal for use within the Association's Service Area

Indicate sources for the proposed water use below:	Indicate the estimated quantity of water the use will require.
<input type="checkbox"/> Surface Water Name sources: _____ _____ _____	<u>4.0</u> Cubic feet per second. _____ Gallons per minute. _____ Acre-Feet
<input type="checkbox"/> Reservoir or pond	
<input checked="" type="checkbox"/> Ground Water	

G13929

Land Use Information Form: Permits, Hydroelectric Licenses, Water Uses in Addition to Classified Uses

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. DO NOT FILL OUT THIS FORM IF water is to be diverted, conveyed, and/or used only on federal lands.

Applicant's Name: Perrydale Domestic Water Association
Address: 11475 West Perrydale Road
City: Amity State: Oregon Zip: 97101 Day Phone: (503) 835-7221

Please provide information as requested below for all tax lots on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

(CHECK ALL THAT APPLY)

Table with 5 columns: TAX LOT LOCAL ID #, PLAN DESIGNATION/ZONING (e.g. Rural Residential/RR-5), WATER DIVERTED, WATER CONVEYED, WATER USE. Row 1: 7 5 17 100, Rural Residential/RR-5, X, X, . Row 2: See Attached Service Area Map, , X, X.

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used.

Polk County

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed.

For Local Government Use Only

Local planning officials are to complete the remainder of this form. If it cannot be completed while the applicant waits, sign and detach the receipt as instructed below. You will receive notice when the applicant's water right request is filed with the Water Resources Department (WRD). You will have 30 days from the notice date to return this completed land use form to WRD. If no land use information is received from you within that period, WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan.

a) Check the appropriate box below and provide requested information.

- Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. (Existing, authorized uses) Cite applicable ordinance section(s); . Go to section b) on reverse side.
Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table on the reverse of this form. Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

RECEIVED

Receipt for Request for Land Use Information DEC 28 1994

WRD Applicant Name: WATER RESOURCES DEPARTMENT OREGON

This receipt must be signed by a local government representative and returned to the applicant for inclusion in the WRD application IF the local government cannot provide the above requested land use information while the applicant waits.

City or County: Staff Contact: Phone: Signature: Date of Information Request:

(for Local Use Continued)

(CHECK THE BOX THAT APPLIES)

Type of Land Use Approval Needed (e.g. plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Already Obtained	Already Denied	Being Pursued Satisfactorily
n/a				

b) Please provide printed name and written signature.

Name: Dave Perry Date: 12/23/94

Title: Assoc. Planner Phone: 623-9237

Signature: [Handwritten Signature]

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

Additional Comments:

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

G13928

B2911307

04 AUG -2 PM 1:21

Form No. 723 - Bargain and Sale Deed

BARGAIN AND SALE DEED

KNOW ALL MEN BY THESE PRESENTS, That JAMES W. FOWLER and CANDACE FOWLER, husband and wife,

hereinafter called grantor, for the consideration hereinafter stated, does hereby grant, bargain, sell and convey unto JOHN B. FOWLER and MOLLI J. FOWLER, husband and wife

hereinafter called grantees, and unto grantees' heirs, successors and assigns all of that certain real property with the improvements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, situated in the County of POLK, State of Oregon, described as follows, to-wit:

Parcel 2 of Partition 1994-0028, recorded August 2, 1994, in Volume 94, Page 0028, Polk County Book of Partition Plats, Fee No. 390780.

RECEIVED

DEC 28 1994

WATER RESOURCES DEPARTMENT

FIRST AMERICAN TITLE OF WILLAMETTE VALLEY - 181727-P

To Have and to Hold the same unto the said grantees and grantees' heirs, successors and assigns forever.

The true and actual consideration paid for this transfer, stated in terms of dollars, is \$ 100.00

However, the actual consideration consists of or includes other property or value given or promised which is (the whole/part of the) consideration (indicate which). (The sentence between the symbols @, if not applicable should be deleted. See ORS 93.030.)

In construing this deed and where the context so requires, the singular includes the plural and all grammatical changes shall be implied to make the provisions hereof apply equally to corporations and to individuals.

In Witness Whereof, the grantor has executed this instrument this 13th day of JULY, 1994; if a corporate grantor, it has caused its name to be signed and seal affixed by its officers, duly authorized thereto by order of its board of directors.

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

James W. Fowler

Candace Fowler

STATE OF OREGON County of POLK ) ss.

BE IT REMEMBERED, That on this 13th day of JULY, 1994, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named JAMES W. FOWLER and CANDACE FOWLER, husband and wife,

known to me to be the identical individual(s) described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.



Carol A. Trowbridge Notary Public for Oregon. My Commission expires 12/23/1997

390781

MR. & MRS. JAMES W. FOWLER

Grantor's Name and Address MR. & MRS. JOHN B. FOWLER

STATE OF OREGON )

Grantee's Name and Address

MR. & MRS. JOHN B. FOWLER P.O. Box 229 Dallas, OR 97338

COUNTY OF POLK )

Until a change is requested all tax statements shall be sent to the following address:

MR. & MRS. JOHN B. FOWLER P.O. Box 229 Dallas, OR 97338

LINDA DAWSON, COUNTY CLERK

STATE OF OREGON, County of ) ss.

I certify that the within instrument was received for record on the 8th day of JULY, 1994, at 11:00 o'clock AM, and recorded in book/reel/volume No. 94, page 0028 or as fee/file/instrument/microfilm/reception No. 390780. Record of Deeds of said county. Witness my hand and seal of County affixed.

Name Title By Deputy

613922

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That B & D TIMBER, INC.

B282P0523

94 FEB 23 AM 11:14

in consideration of \$300,000.00 PAID TO AN ACCOMODATOR PURSUANT TO AN IRC 1031 EXCHANGE Dollars, to it paid by the Grantee as herein, do as hereby grant, bargain, sell and convey unto JAMES W. FOWLER AND CANDACE FOWLER, HUSBAND AND WIFE.

Grantee as the following described real property, situate in the County of Polk and State of Oregon, to wit: SEE EXHIBIT "A"

Parcel # 2-3 1775 100/SN 155397

To Have and to Hold the granted premises unto the said Grantee as their Heirs and Assigns forever. And the Grantor do as covenant that it is lawfully seized in fee simple of the above granted premises free from all encumbrances, except Rights of the public in and to that portion of the herein described premises lying within the boundaries of roads and roadways; Potential recapture of ad valorem taxes, due to any action or failure to act by buyer/grantee herein; regarding the forest and/or farm deferral tax classification; Maintenance Agreement, as set forth in Deed recorded 1/13/1918, in Book 67, Page 352, DR/PCO; Easement for Right of way, conveyed to Mountain States Power Company, a Delaware Corporation, recorded 7/7/1950, in Book 142, page 43, DR/PCO;

and that it will and its successors, heirs, assigns, and assigns, shall warrant and forever defend the granted premises, against the lawful claims and demands of all persons, except as above stated.

Witness our hand and seal this 18th day of FEBRUARY, 1994.

B & D TIMBER, INC. (SEAL)

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

DAVID J. MCKIBBEN, PRESIDENT (SEAL)

BOYD H. MCKIBBEN, VICE PRESIDENT (SEAL)

STATE OF OREGON County of POLK } ss.

On this 18th day of FEBRUARY, 1994, before me appeared DAVID J. MCKIBBEN and BOYD H. MCKIBBEN both to me personally known, who being duly sworn, did say that he, the said DAVID J. MCKIBBEN is the President, and he, the said BOYD H. MCKIBBEN, is the Vice President of B & D TIMBER, INC., AN OREGON CORPORATION the within named Corporation, and that the seal affixed to said instrument is the corporate seal of said Corporation, and that the said instrument was signed and sealed in behalf of said Corporation by authority of its Board of Directors, and DAVID J. MCKIBBEN and BOYD H. MCKIBBEN acknowledge said instrument to be the free act and deed of said Corporation.

IN TESTIMONY WHEREOF, I have herunto set my hand and affixed my official seal this day and year last above written.



Carol A. Trowbridge, Notary Public for Oregon. My Commission expires 12/23/1997.

UNTIL A CHANGE IS REQUESTED, ALL TAX STATEMENTS SHALL BE SENT TO THE FOLLOWING ADDRESS:

MR. & MRS. JAMES W. FOWLER 3910 PERRYDALE RD. DALLAS, OR 97338 Return to: MR. & MRS. JAMES W. FOWLER 3910 PERRYDALE RD. DALLAS, OR 97338

STAT: 384155 SEE NEXT PAGE } ss. record at 10 STATE OF OREGON } red for 10 County of Polk } ss. recorded 19 I hereby certify that the Record of Deed 1 within was received and duly County records: 1 B.O.R. 282 Page 0523 } yances Deputy

WILLAMETTE VALLEY TITLE 181193P

WATER RESOURCES DEPARTMENT

RECEIVED DEC 28 1994

EXHIBIT "A"

Beginning at the Northeast corner of Section 17, in Township 7 South, Range 5 West of the Willamette Meridian in Polk County, Oregon, and running thence South along the East boundary line of Section, 31 chains; thence West 40 chains to the half section line running North and South through said Section; thence North 31 chains to the Northwest corner of the Northeast Quarter of said Section; thence East along the North line of said Section, 17 chains and 43 links; thence South 2 chains and 80 links; thence East 9 chains and 4 links; thence North 2 chains and 80 links to the North boundary line of said Section and thence East 13 chains and 53 links to the place of beginning;

ALSO: Beginning at a point 2.25 chains East from the Northwest corner of the Donation Land Claim of John F. Kimsey and wife, Not. No. 1968, Claim No. 48, in Township 7 South, Range 5 West of the Willamette Meridian, in Polk County, Oregon, and running thence East 160 rods; thence North 100 rods; thence West 160 rods; thence South 100 rods to the place of beginning.

TOGETHER WITH an easement for right of way as created by instrument recorded January 3, 1918 in Volume 67, Page 352, Deed Records for Polk County, Oregon.

EXCEPTING THEREFROM a parcel of land and certain roadways conveyed to Polk County by deed dated December 2, 1908, recorded in Volume 49, Page 483, Deed Records, Polk County, Oregon.

ALSO SAVE AND EXCEPT a parcel of land conveyed to Alice P. Reimer by deed dated February 28, 1983, and recorded April 11, 1983, in Book 170, Page 576, Book of Records, Polk County, Oregon, and described as follows: Beginning at the Southwest corner of the George Brown Donation Land Claim No. 40 in Township 7 South, Range 5 West of the Willamette Meridian in Polk County, Oregon; thence North 0°22'11" East along the West line of said claim, 424.60 feet to a point on the North line of Section 16 in said Township and Range; thence North 89°52'20" West 479.89 feet to the corner common to 8-9-16 and 17 in said Township and Range; thence North 89°56'05" West along the North line of said Section 17, a distance of 102.60 feet; thence South 0°22'11" West parallel with the West line of said Brown Claim, a distance of 424.60 feet; thence South 89°56'05" East 102.60 feet to the Southwest corner of Parcel No. 3 as described in Book 139, Page 740, Deed Records for said County and State; thence South 89°52'20" East 479.89 feet to the place of beginning.

ALSO SAVE AND EXCEPT a parcel of land conveyed to Alice P. Reimer by deed dated January 23, 1984, and recorded January 27, 1984, in Book 175, Page 2044, Book of Records, Polk County, Oregon, and described as follows: Beginning at the Northwest corner of that certain tract of land conveyed to the grantee herein by the grantors herein by deed dated the 28th day of February, 1983, and recorded April 11, 1983, in Book 170, Page 576, Book of Records, Polk County, Oregon, and running thence North 89°56'05" West along the North line of Section 17, Township 7 South, Range 5 West of the Willamette Meridian in Polk County, Oregon, to a point which is 13 chains and 53 links West of the Northeast corner of said Section 17; thence South 424.60 feet to a point; thence South 89°56'05" East to the Southwest corner of the above-mentioned tract of land; thence North 0°22'11" East along the West line of said tract of land to the place of beginning.

ALSO SAVE AND EXCEPT a parcel of land conveyed to Alice P. Johnson, formerly Alice P. Reimer, by Deed dated January 30, 1985, and recorded February 1, 1985, in Book 184, Page 1381, Book of Records, Polk County, Oregon, and described as follows: Beginning at a point on the Section line common to Sections 16 and 17 in Township 7 South, Range 5 West of the Willamette Meridian in Polk County, Oregon, which is North 89°52'20" West 479.89 feet from the Southwest corner of the George Brown Donation Land Claim No. 40 in said Township and Range, and running thence South along said Section line to the North line of Reimer Road (County Road No. 7517); thence Southwesterly along the North line of said Reimer Road to the intersection of said North line with the Southeasterly corner of the tract of land, which is more particularly described in that certain deed from Thomas E. Lyons and Julia A. Lyons to Polk County, dated December 2, 1908, and recorded the 2nd day of December, 1908, in Volume 49, at Page 483, Deed Records for Polk County, Oregon; thence North 23°40' West along the Easterly boundary of said tract a distance of 99 feet to the Northeast corner thereof; thence South 68°34' West 407.22 feet to the Northwest corner of said tract; thence North parallel to the above-mentioned Section line to the South line of that certain tract of land more particularly described in that certain deed from Paul D. Reimer and Mary Reimer to Alice P. Reimer dated January 23, 1984, and recorded January 24, 1984, in Book of Records 175, at Page 2044, in the office of the County Clerk of Polk County, Oregon; thence South 89°56'05" East along said South line, as extended, to the place of beginning.

Warranty Deed  
(B & D TIMBER - FOWLER)

# 33-1155



RECEIVED  
DEC 28 1994  
WATER RESOURCES DEPARTMENT

Application No. G 13929

Permit No.

Oregon

RECEIVED

DEC 28 1994

WATER RESOURCES DEPARTMENT  
STATE OF OREGON  
NOTE TO LOCAL GOVERNMENTS

WATER  
RESOURCES  
DEPARTMENT

The person presenting the attached request for land use information is applying for a water right. The Water Resources Department (WRD) requires its applicants to obtain land use information to be sure water rights do not result in land uses that would violate your comprehensive plan.

WRD will not accept applications which are not accompanied by this completed land use form or the signed, dated receipt stub detached from the bottom of the land use information form.

You will receive notice once the applicant formally submits his or her request to WRD. The notice will give more detailed information about WRD's water rights process and comment opportunities. If you give the applicant the receipt stub in lieu of completing the form, you will have 30 days from the date of the notice mentioned above to complete the form and return it to WRD. If no land use information is received from you within that 30 day period, WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan.

Your attention to this request for information is greatly appreciated by both the applicant and WRD. If you have questions concerning the form, please contact WRD at 378-3739.



Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

### Description of Water Use

**Note to Applicant:** This sheet will provide local planning staff with a basic description of your proposed water use. Please fill out this sheet before bringing the attached land use form to your local planning office. It will help local planning offices complete your land use information form quickly.

**Note to Local Planning Officials:** Please initial this sheet. Do not separate it from the land use information form. If needed, please make a separate copy for your records.

Applicant Name: Perrydale Domestic Water Association  
 Address: 11475 West Perrydale Rd  
Amity Oregon 97101  
 Phone: (503) 835-7221

Please indicate what you will use the water for. Check all boxes that apply and fill in the blanks with key characteristics of the project

- Irrigation (crop type, golf course, nursery or greenhouse): \_\_\_\_\_
- Livestock (type of livestock, feedlot, slaughterhouse): \_\_\_\_\_
- Residential (# units, single or multi-family, # lots if partition or subdivision): \_\_\_\_\_
- Commercial (i.e., retail, office, restaurant, gas station, hotel, service, etc.): \_\_\_\_\_
- Industrial (i.e., factory, pulp mill, research and development, processing, etc.): \_\_\_\_\_
- Institutional (i.e., school, library, etc.): \_\_\_\_\_
- Mining (aggregate, metal, open pit, placer, etc.): \_\_\_\_\_
- Recreation (park, campsite, pond, etc.): \_\_\_\_\_
- Fish and Wildlife (pond, hatchery, etc.): \_\_\_\_\_
- Hydropower (dam, reservoir, power generating or transmitting facilities): \_\_\_\_\_
- Other (Name and list key characteristics): Quasi-Municipal

Indicate sources for the proposed water use below:	Indicate the estimated quantity of water the use will require.
<input type="checkbox"/> Surface Water Name sources: _____ _____	<u>4.0</u> Cubic feet per second. _____ Gallons per minute. _____ Acre-Feet
<input type="checkbox"/> Reservoir or pond <input checked="" type="checkbox"/> Ground Water	

**RECEIVED**  
**DEC 28 1994**  
 WATER RESOURCES DEPARTMENT  
 SALEM, OREGON

**Land Use Information Form: Permits, Hydroelectric Licenses,  
Water Uses in Addition to Classified Uses**

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. **DO NOT FILL OUT THIS FORM IF water is to be diverted, conveyed, and/or used only on federal lands.**

Applicant's Name: Pennydale Domestic Water Association  
 Address: 11475 West Pennydale Road  
 City: Amity State: Oregon Zip: 97101 Day Phone: (503) 835-7221

Please provide information as requested below for **all tax lots** on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

(CHECK ALL THAT APPLY)

TAX LOT LOCAL ID #	PLAN DESIGNATION/ZONING (e.g. Rural Residential/RR-5)	WATER DIVERTED	WATER CONVEYED	WATER USE
<u>see attached maps</u>			X	X

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used.

Yamhill County

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed.

**For Local Government Use Only**

Local planning officials are to complete the remainder of this form. If it cannot be completed while the applicant waits, sign and detach the receipt as instructed below. You will receive notice when the applicant's water right request is filed with the Water Resources Department (WRD). You will have 30 days from the notice date to return this completed land use form to WRD. If no land use information is received from you within that period, WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan.

a) Check the appropriate box below and provide requested information.

- Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s); \_\_\_\_\_ Go to section b) on reverse side.
- Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table on the reverse of this form. **Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)**

Receipt for Request for Land Use Information

**RECEIVED**  
**DEC 28 1994**  
 WATER RESOURCES DEPARTMENT  
 SALEM, OREGON

WRD Applicant Name: \_\_\_\_\_

This receipt must be signed by a local government representative and returned to the applicant for inclusion in the WRD application **IF** the local government cannot provide the above requested information while the applicant waits.

City or County: \_\_\_\_\_  
 Staff Contact: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date of Information Request: \_\_\_\_\_

(for Local Use Continued)

(CHECK THE BOX THAT APPLIES)

Type of Land Use Approval Needed (e.g. plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Already Obtained	Already Denied	Being Pursued Satisfactorily
Certain uses such as new dwellings will need land use approval.				

b) Please provide printed name and written signature.

Name: Sandy Mathewson Date: 12-27-94

Title: Associate Planner Phone: 434-7516

Signature: Sandy Mathewson

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

Additional Comments:

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---



16269 Well #1

Oregon Water Resources Department

REC

DEC 14 1994

WATER RESOURCES DEPT.  
SALEM, OREGON

Monthly Quantities Form

Reporting Entity Perrydale Domestic Water Assn. User-Id: 16269  
 (If applicable)

Contact Name Ray Hobson, Pres.

Address 11475 W. Perrydale Rd. Water Year 1993-94

City, State, Zip Amity, Or. 97101

POD-ID: 25913  
(enter the Permit Number if there is no POD-ID)

Type of Use: Domestic

<u>Month</u>	<u>Volume diverted or in storage</u>	
	<u>Units (circle one) (Gallons, Cubic Feet, Acre-feet)</u>	
October	<u>704,100</u>	
November	<u>450,700</u>	
December	<u>new meter installed</u>	
January	<u>34,600</u>	
February	<u>97,000</u>	
March	<u>3,300</u>	
April	<u>4,200</u>	
May	<u>13,700</u>	
June	<u>32,000</u>	
July	<u>209,800</u>	
August	<u>396,800</u>	
September	<u>448,800</u>	

Number of acres irrigated (if applicable): 0

Method of measuring flow (please describe clearly): Flow meter

Oregon Water Resources Department

RECEIVED

DEC 10 1994

WATER RESOURCES DEPT  
SALEM, OREGON

Monthly Quantities Form

Reporting Entity Perrydale Domestic Water Assn.

User-Id: 16269  
*(if applicable)*

Contact Name Ray Hobson, Pres.

Address 11475 W. Perrydale Rd.

Water Year 1993-94

City, State, Zip Amity, Or. 97101

POD-ID: 25153  
*(enter the Permit Number if there is no POD-ID)*

Type of Use: Domestic

Month Volume diverted or in storage  
Units (circle one): Gallons, Cubic Feet, Acre-feet

October	<u>3,055,100</u>
November	<u>2,615,000</u>
December	<u>2,831,400</u>
January	<u>4,135,000</u>
February	<u>3,941,400</u>
March	<u>3,651,100</u>
April	<u>3,964,700</u>
May	<u>4,534,400</u>
June	<u>4,717,800</u>
July	<u>5,159,400</u>
August	<u>4,994,900</u>
September	<u>4,156,500</u>

Number of acres irrigated (if applicable): 0

Method of measuring flow (please describe clearly): Flow meter

RECEIVED

Oregon Water Resources Department DEC 10 1994

Monthly Quantities FormWATER RESOURCES DEPT.  
SALEM, OREGON

Reporting Entity Perrydale Domestic Water Assn. User-Id: 16269  
 (If applicable)

Contact Name Ray Hobson, Pres.

Address 11475 W. Perrydale Rd. Water Year 1993-94

City, State, Zip Amity, Or. 97101

POD-ID: 24166  
 (enter the Permit Number if there is no POD-ID)

Type of Use: Domestic

Volume diverted or in storage  
 Units (circle one): Gallons, Cubic Feet, Acre-feet

<u>Month</u>	
October	<u>1,889,300</u>
November	<u>3,612,100</u>
December	<u>1,233,500 (turned off 12/7/93</u>
January	<u>off</u> annual recovery time)
February	<u>60,200</u>
March	<u>29,000</u>
April	<u>52,200</u>
May	<u>204,500</u>
June	<u>4,717,800</u>
July	<u>2,330,100</u>
August	<u>2,828,500</u>
September	<u>1,712,300</u>

Number of acres irrigated (if applicable): 0

Method of measuring flow (please describe clearly): Flow meter

DEC 16 1994

WATER RESOURCES DEPARTMENT  
SALEM, OREGON 97331

# Detailed Water-Use Report

16269  
.....  
(User-Id)

.....Perrydale Domestic Water Assn.....  
(Reporting Entity)

Report the status of complying with the 15% accuracy standard for reporting water use as required by the water use reporting rules. Check the category below that describes the status of how accurately your water use is measured.

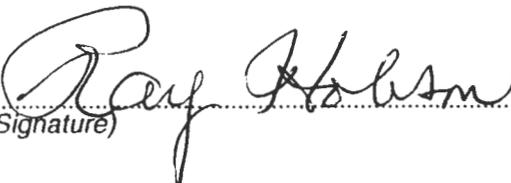
1. This certifies that our water use as reported for the point(s) of diversion on the attached Monthly Water Use Report sheet(s) was computed based upon a measuring method stipulated in the rules and the reported monthly flows meet the 15% accuracy standard. See OAR 690-85-010 Submitting Annual Reports and OAR 690-85-015 Methods for Measuring Water Use.

[ ] 2. This certifies that our water use as reported for the point(s) of diversion on the attached Monthly Water Use Report sheet(s) was computed based upon a method certified by a Registered Professional Engineer to report monthly flows meeting the 15% accuracy standard. Included are descriptions of the measurement method and the required annual certification from an engineer.

[ ] 3. We have a time extension and an approved program is under way to meet the accuracy standard.

Date of Program Approval \_\_\_\_\_  
Time Extension Date for Complying \_\_\_\_\_

[ ] 4. We do not currently meet the accuracy requirements in the rules and we do not have a time extension or an approved program to meet the standard. (Department staff will be contacting you to offer assistance in developing a program and request for a time extension for meeting the water measurement accuracy requirements.)

  
.....  
(Signature)

  
.....  
(Date)

/ Ray Hobson  
.....  
(Printed name)

President  
.....  
(Title)

RECEIVED

User-ID Number 16269

Name of Water Supplier Perrydale Domestic Water Assn.

DEC 16 1994

Phone Number 835-7221

Date 12/12/94

WATER RESOURCES DEPT  
SALEM, OREGON

Information on Water Use

ITEM 1. Quantity of water use reported:

Describe how and where water use is measured. Note any distances between source of water, meter and where water is used. Example: A turbine meter installed at the well that is located 500 ft. east of the park.

Measured by certified flow meters on each well. The location of meter is at the well head of each well. Water is used over a wide area of pipe network covering about 110 miles in all. Well location chart is attached.

Do you have any major water loss or flow returning back into the stream after being diverted? Example: Leakage, overflow and surface runoff.

no

Do you supply other major uses? If yes, note amount by percentage figure, actual amount or attach a reporting sheet to explain.

Commercial dryers, nut washers, dairies, schools.

Amount varies up to 361,000 gallons per month.

Did weather or other requirements cause a major reduction or increase in water use during the 1994 reporting year?

Dry weather caused a major increase in usage in dry months - up to 100% increase.

ITEM 2. How the water was used:

Describe the primary purposes or needs that the water was used for. A general description of the use including a description of the size or quantity figures is adequate. Example: Schools (number and type of schools and approximate number of students), Parks and cemeteries (acres irrigated and other facilities served), County government (facilities served such as fair buildings, parks and shops).

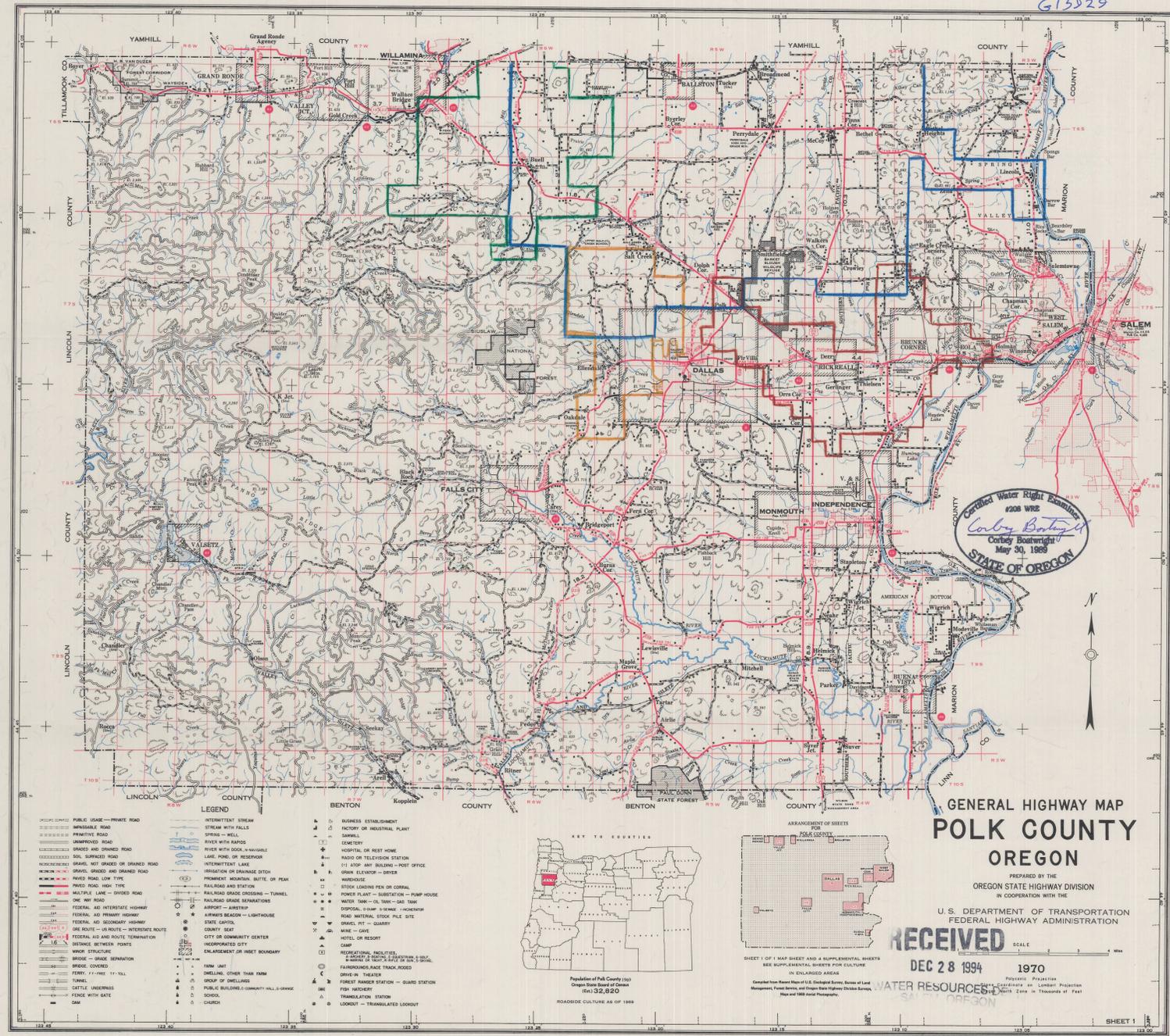
Primary use is domestic residence. We serve two schools. - one of 300 students and one of about 50. We serve 2 large dairies, 2 nut driers and 1 commercial fruit drier.

Describe any major change(s) that occurred during the reporting year that affected the average quantity of water use? Example: A one time event or other rapid increase or decrease in use that would not reflect a continuing water use pattern.

The water use pattern will be seasonally the same unless we experience a major drought or there are a lot of field fires or major building fires.

Thank you for your assistance.

G13929

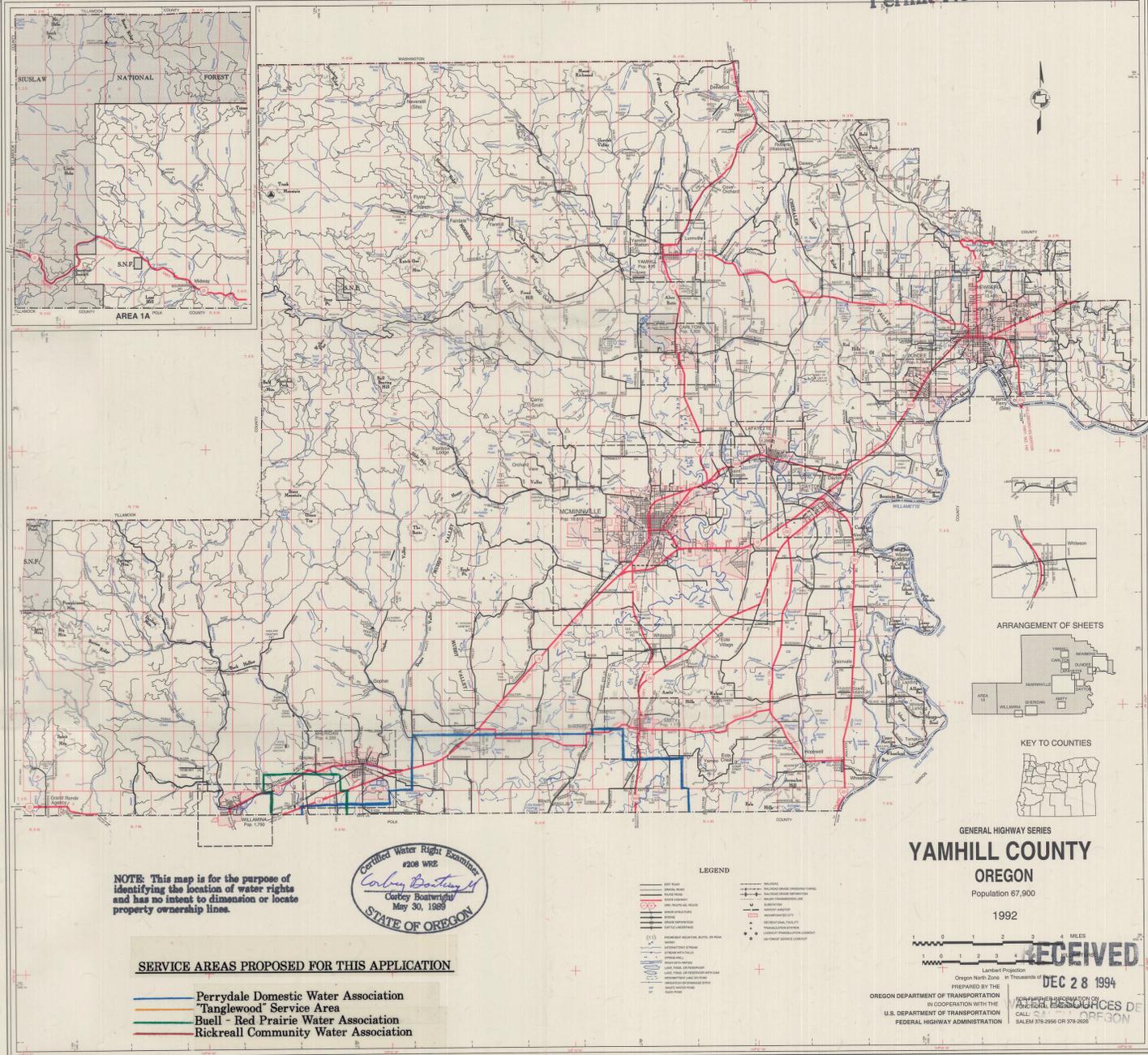


PERRYDALE DOMESTIC WATER ASSOCIATION  
Application to Appropriate Ground Water

NOTE: This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.

Sheet 2 of 2

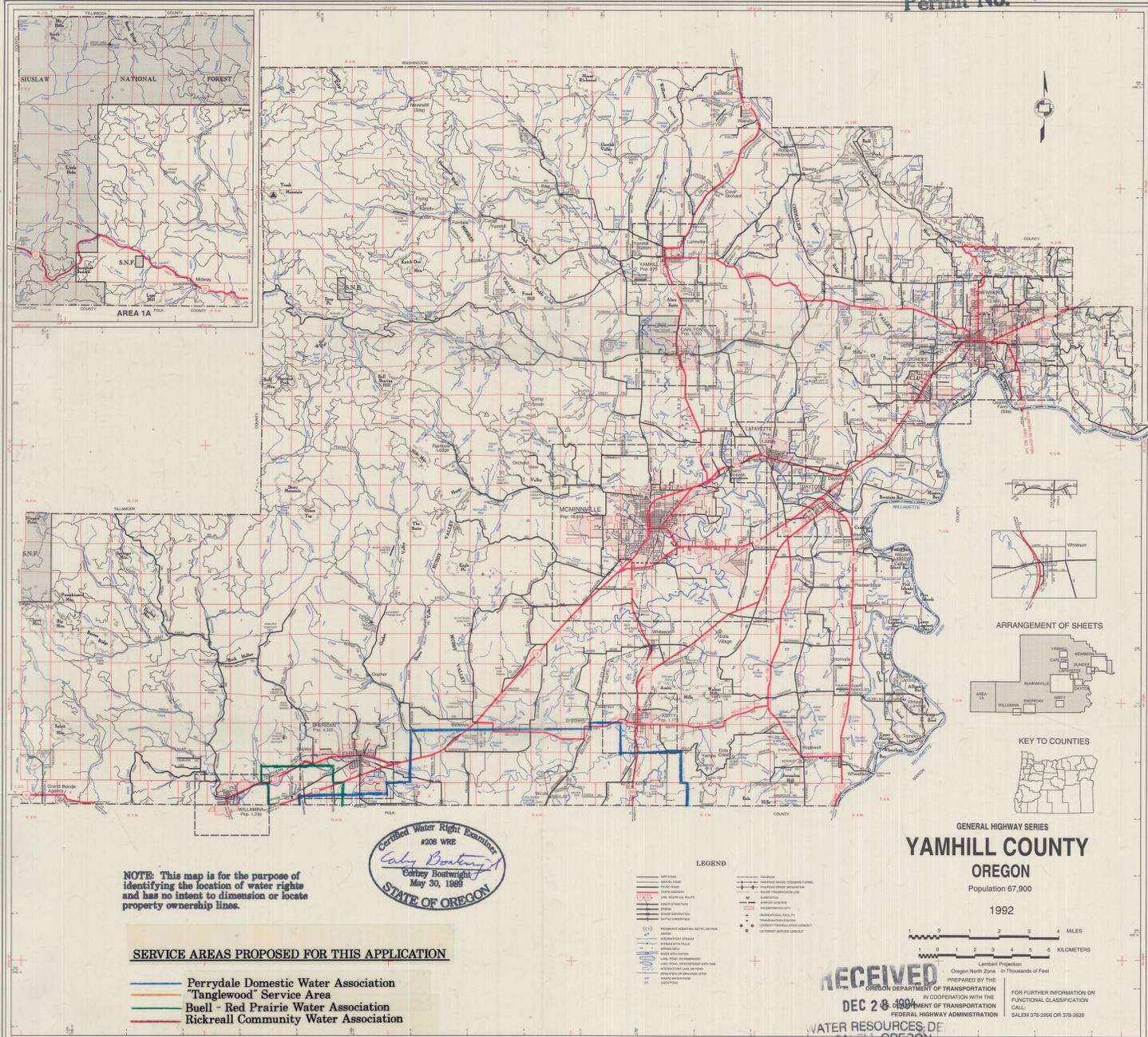
Application No. 612721-6-13929  
Permit No. 613929-6-12721



PERRYDALE DOMESTIC WATER ASSOCIATION  
Application to Appropriate Ground Water

SHEET 1 OF 1 YAMHILL COUNTY

Application No. ~~612721~~ G 13929  
Permit No. ~~613929~~ G-12721



NOTE: This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.

Certified Water Right Examiner  
#208 WRE  
*Calvin Bonting*  
Calvin Bonting  
May 30, 1989  
STATE OF OREGON

**SERVICE AREAS PROPOSED FOR THIS APPLICATION**

- Perrydale Domestic Water Association
- "Tanglewood" Service Area
- Buell - Red Prairie Water Association
- Rickreall Community Water Association

GENERAL HIGHWAY SERIES  
**YAMHILL COUNTY**  
OREGON  
Population 67,900  
1992

RECEIVED  
DEC 28 1990  
OREGON DEPARTMENT OF TRANSPORTATION  
IN COOPERATION WITH THE  
FEDERAL HIGHWAY ADMINISTRATION  
WATER RESOURCES DE  
OREGON

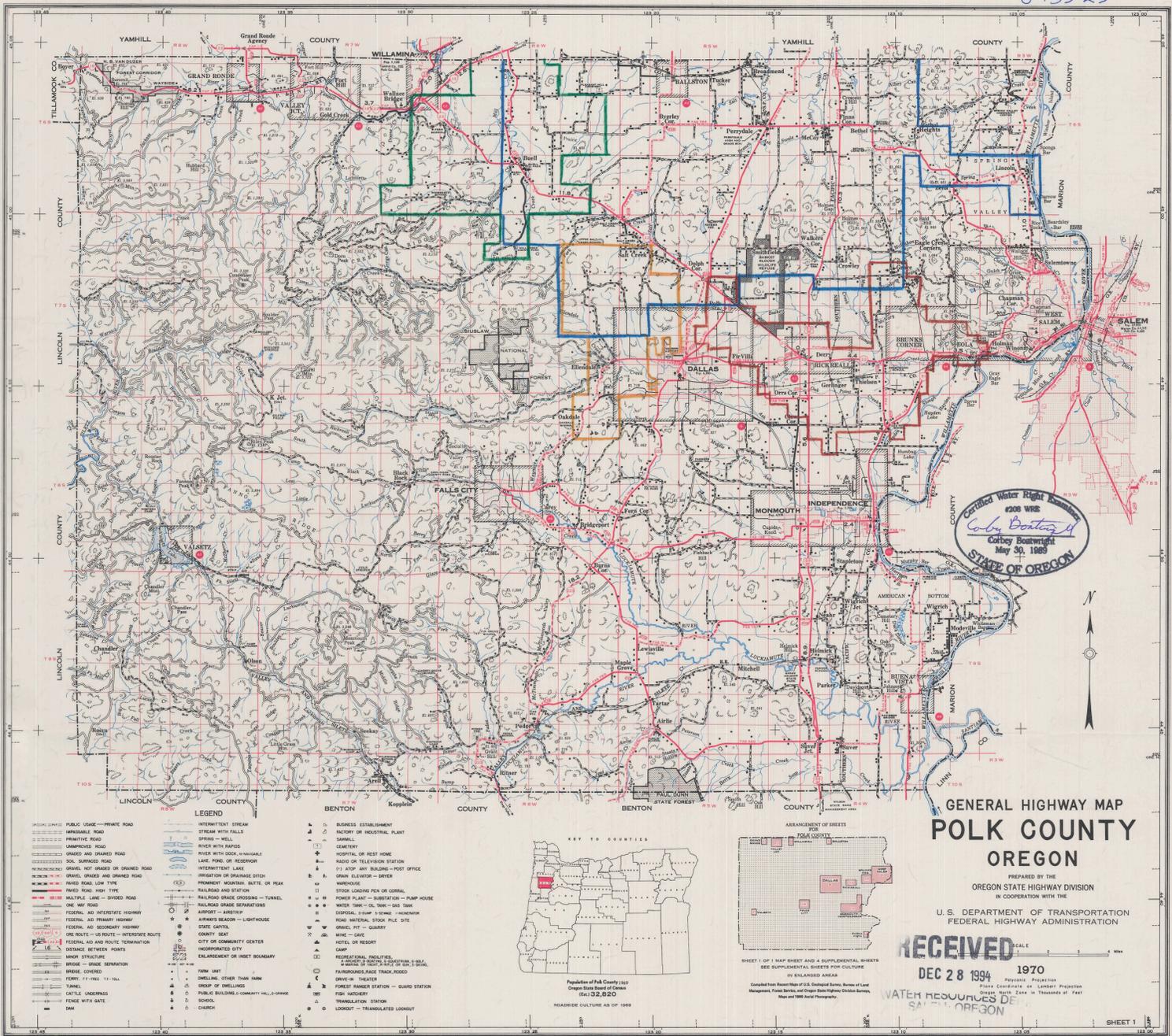
FOR FURTHER INFORMATION ON  
FUNCTIONAL CLASSIFICATION  
CALL:  
SALEM 378-2958 OR 378-2828

PERRYDALE DOMESTIC WATER ASSOCIATION  
Application to Appropriate Ground Water

G-13929

SHEET 1 OF 1, YAMHILL COUNTY

G 13929



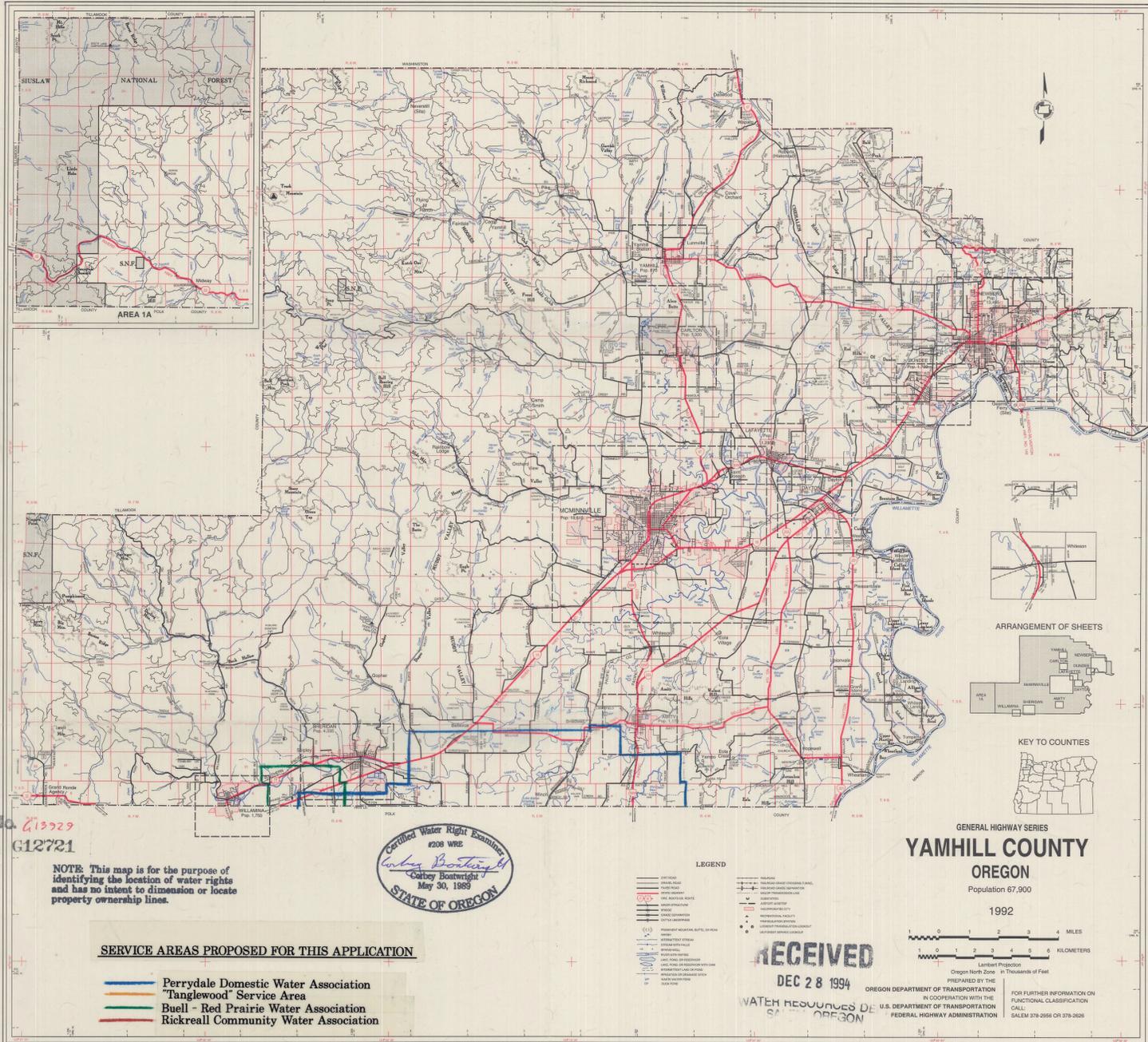
Carroll Water Right Extension  
#208 WRS  
Carby Boatright  
May 30, 1989  
STATE OF OREGON

PERRYDALE DOMESTIC WATER ASSOCIATION  
Application to Appropriate Ground Water

G 13929

NOTE: This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.

Sheet 2 of 2

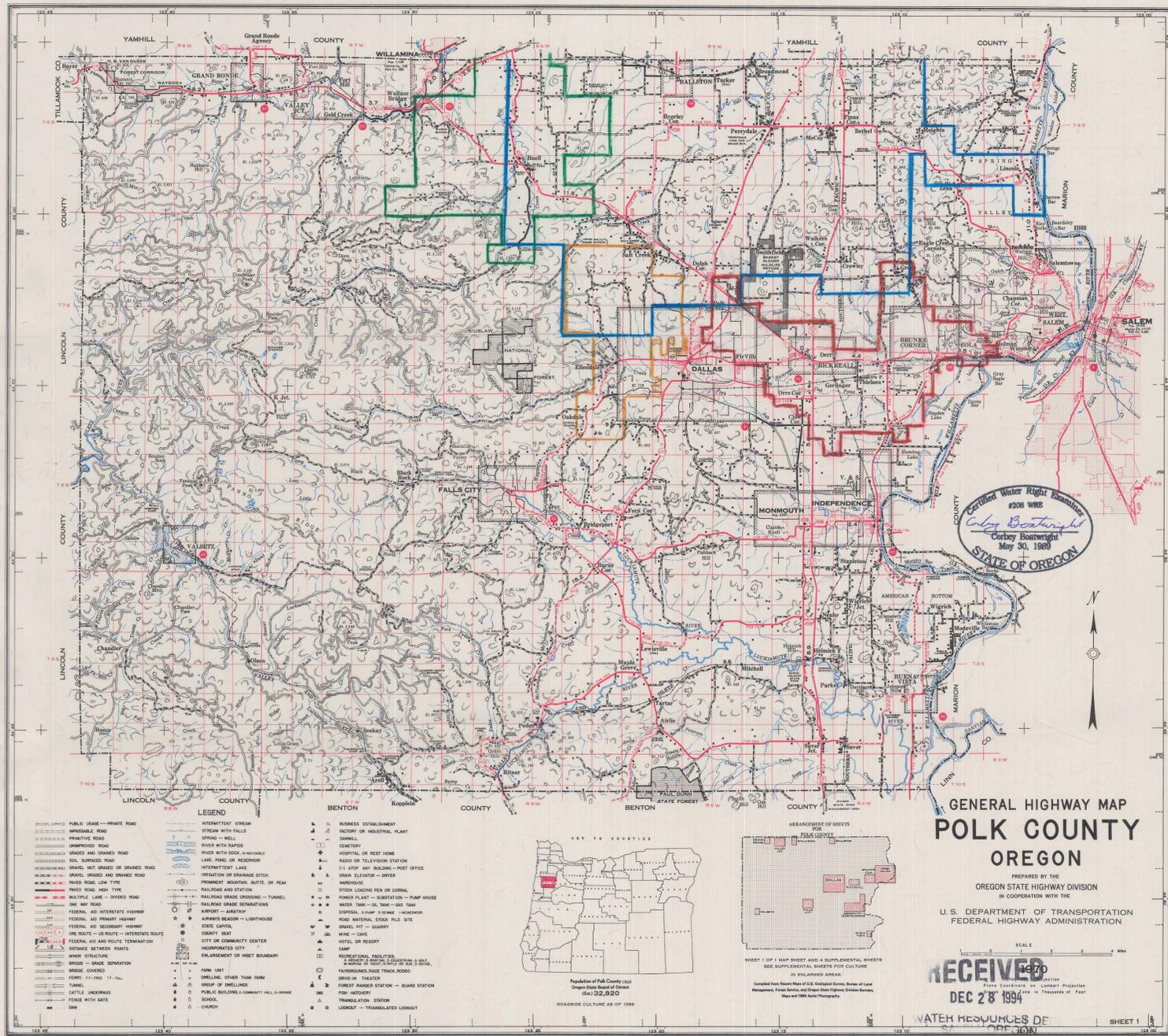


PERRYDALE DOMESTIC WATER ASSOCIATION  
 Application to Appropriate Ground Water

G-13929

Sheet 1 of 2

SHEET 1 OF 1 YAMHILL COUNTY



PERRYDALE DOMESTIC WATER ASSOCIATION  
Application to Appropriate Ground Water

G-13929

NOTE: This map is for the purpose of identifying the location of water rights and has no intent to dimension or locate property ownership lines.

Sheet 2 of 2