

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

**REPORT OF EXAMINATION**

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1943, and amendments thereto, and the rules and regulations of the Department of Ecology.)

ISSUANCE DATE November 29, 1989	APPLICATION NUMBER G2-27657	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME Bob Rude			
ADDRESS (STREET) 4503 Blacklake Belmore Road	(CITY) Olympia	(STATE) Washington	(ZIP CODE) 98502-6620

**PUBLIC WATERS TO BE APPROPRIATED**

SOURCE  
Well

TRIBUTARY OF (IF SURFACE WATER)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 100	MAXIMUM ACRE-FEET PER YEAR 5
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QUANTITY, TYPE OF USE, PERIOD OF USE  
5 Acre-feet per year      Group Domestic Supply (10 services)      Year-round, as needed

**LOCATION OF DIVERSION/WITHDRAWAL**

APPROXIMATE LOCATION OF DIVERSION/WITHDRAWAL  
900 feet south and 750 feet east of the west quarter corner of Section 32.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) NW¼SW¼	SECTION 32	TOWNSHIP N 18	RANGE (E. OR W.) W.M. 2W	W.A.L.A. 13	COUNTY Thurston
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**RECORDED PLATTED PROPERTY**

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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**LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED**

A tract of land situated in a portion of Government Lot 4, Section 31, and a portion of Government Lot 3, Section 32, T. 18 N., R 2 W.W.M., County of Thurston, State of Washington, to-wit;

Beginning at the northeast corner of Government Lot 3, Section 32, T. 18 N., R. 2 W.W.M.; thence south 01°36'38" west along the west line of said Government Lot 3 a distance of 495.00 feet to the northeast corner of Parcel A as described in Volume 1450, Page 624 of Deeds having Auditors File No. 8611100142; thence continuing south 01°36'38" west along said east line of Government Lot 3 a distance of 30.00 feet to the TRUE POINT OF BEGINNING; thence north 88°17'45" west along the north line of said Parcel A a distance of 500.00 feet; thence south 01°42'15" west a distance of 220.00 feet; thence north 88°17'45" west a distance of 200.00 feet; thence north 01°42'15" east a distance of 220.00 feet to a point on the north line of said Parcel A; thence north 88°17'45" west along the north line of said Parcel A a distance of 280.00 feet to the northwest corner of said Parcel A thence south 01°36'38" west a distance of 462.40 feet, more or less, to the southwest corner of said Parcel A said point also lying on the north line of Parcel B as described in Volume 1047, Page 274 of Deeds having Auditors File No. 1134995; thence north 89°07'42" west along the north line of said Parcel B a distance of 960.00 feet; thence south 00°52'18" west a distance of 336.48 feet, more or less, to a point on the south line of said Parcel B, thence south 89°07'43" east along the south line of said Parcel B to its intersection with the east line of said Government Lot 3; thence north 01°36'38" east along the east line of said Government Lot 3 to the true point of beginning. Excepting therefrom the east 30 feet for county road purposes.

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**DESCRIPTION OF PROPOSED WORKS**

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Estimate well to be a 8 inch casing to an approximate depth of 150 feet. System design will be done by engineer, small class 4 water system. Six inch distribution mains.

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**DEVELOPMENT SCHEDULE**

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BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
December 1, 1992	December 1, 1993	December 1, 1994

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**REPORT**

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**BACKGROUND:**

On November 29, 1989, Bob Rude filed for a permit under the provisions of Chapters 90.03 and 90.44, Revised Code of Washington (RCW) to appropriate public ground water from a well in the amount of 200 gallons per minute (gpm) for community domestic supply. The application was accepted for processing and assigned Application No. G2-27657. The priority date of this application is November 29, 1989.

The legal notice of the applicant's proposed appropriation was duly published in The Olympian of Olympia, Washington on December 13 and 18, 1989. No objections were received as a result of the public notice.

On November 8, 1991, Bob Rude reduced his request to 100 gallons per minute, group domestic supply for 10 services.

**INVESTIGATIONS:**

In consideration of this application, Eric Schlorff conducted the field investigation on January 18, 1991. The applicant was not present during the site visit. Other investigations included a review of existing water rights, area water well logs, water right claims and an evaluation of information submitted with the application.

As a result of these investigations, the following is reported.

The proposed project site is located approximately 3.5 miles southwest of the City of Tumwater off of Fairview Road. Black Lake is located approximately ¼ west of the well site.

According to Chapter 173-513-040 and 75.20.050 RCW, Percival Creek and Black Lake are closed to further consumptive appropriations. The Black Lake closure is an administrative closure recommended by the Department of Fisheries. An exception is made for domestic use if no alternative source is available.

The well for the proposed development has not been constructed. The applicant plans to drill an eight inch well to an approximate depth of 150 feet, which will serve 10 homes. The west portion of this site is forested with second and third growth timber, the east portion had been cleared at one time, and at this time has scotch broom growth.

**DISCUSSION:**

Within a ½ mile radius of this subject application request, Department of Ecology records show that one ground water right certificate has been issued. The instantaneous withdrawal authorized is 60 gpm; 3.7 acre-feet per year, and is used for group domestic supply.

Water well logs on file with Ecology show that 13 wells have been constructed within a ¼ mile radius of this proposed well site. These wells range in depth from 27 to 112 feet, all are completed in water bearing sand and gravel.

Based on well spacing and water usage requirements in this area, well interference is unlikely. However, the applicant is reminded of the responsibility towards other existing right holders in this area, and advised that regulation of the withdrawal rate may be required if existing rights are injuriously affected.

As this well is proposed, it is difficult to state that its withdrawal will impact the water bearing formation that recharges Black Lake. For the small group domestic development proposed, it is likely that the withdrawal rate will be reduced from the requested 100 gpm, to a rate relative to the system design. Prior to issuance of the final certificate of water right, a proof examination will be conducted to determine the actual withdrawal rate.

**Report Continued**

As stated above, an exception is made to the closure on Black Lake and Percival Creek, for domestic use if no alternative source is available. No alternative source is available to this area at present.

The water requirements for a group domestic supply of this type should not exceed a daily average of 450 gallons per day per service, for 10 services this amounts to 5 acre-feet per year.

**CLOSING:**

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question and the appropriation as recommended is a beneficial use and will not impair existing rights or be detrimental to public welfare.

**RECOMMENDATIONS:**

I recommend approval of this application and issuance of a permit to allow appropriation of 100 gallons per minute (gpm) from a well for group domestic supply. The period of use shall be year around as needed. The total annual withdrawal shall not exceed 5 acre-feet per year.

Approval shall be subject to the following provisions.

Installation and maintenance of an access port as described in Ground Water Bulletin No. 1 is required. An air line and gauge may be installed in addition to the access port.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the state's water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this permit, the applicant shall prepare and implement a water conservation plan approved by Ecology. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

The applicant is advised that notice of proof of appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent diversion facilities have been installed, together with a mainline system capable of delivering the recommended quantity of water to an existing or proposed distribution system within the area to be served, and the system is currently in use.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through -040 (installation, operation, and maintenance requirements are attached).

A certificate of water right will not be issued until a final investigation is made.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104, Washington Water Well Construction Act of 1972, and Chapter 173-160 WAC, Minimum Standards for Construction and Maintenance of Wells.

A well log of the well shall be submitted by the driller to the Department of Ecology within 30 days of completing this well. This well log shall be complete and all information concerning the static water level in the well, in addition to any pump test data, shall be submitted as it is obtained.

In accordance with WAC 173-160-205, wells shall not be located within certain minimum distances of potential sources of contamination. These minimum distances shall comply with local health regulations, as appropriate. In general, wells shall be located at least 100 feet from a sewer, septic tank, privy, or other source of contamination. Wells shall not be located within 1,000 feet of a solid waste landfill.

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the state in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

Report Continued

The instantaneous quantity appropriated by this document is considered to be a portion of the amount reserved by the adoption of Chapter 173-591, the Reservation of Future Public Water Supply For Thurston County. The priority date of this permit is November 29, 1989.

REPORTED BY: Vicki Woodcut DATE: January 27, 1992

The statutory permit fee for this application is \$20.00.