

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

Surface Water (Based 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 (Based in accordance with the provisions of Chapter 200, Laws of Washington for 1948, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE October 18, 1990	APPLICATION NUMBER G2-27896	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME Bill Melang			
ADDRESS (STREET) 177 Keeler Road	(CITY) Sequim	(STATE) Washington	(ZIP CODE) 98382-9024

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
A well

TRIBUTARY OF (IF SURFACE WATER)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 4	MAXIMUM ACRE-FEET PER YEAR 1.1
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QUANTITY, TYPE OF USE, PERIOD OF USE
1.1 acre-feet per year Group domestic supply (Greywolf Bed & Breakfast Inn) Year-round, as needed

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
800 feet south and 600 feet west of the northeast corner of Section 28.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) NE¼NE¼	SECTION 28	TOWNSHIP N. 30	RANGE, (E. OR W.) W.M. 3W	WALLA 17	COUNTY Clallam
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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

Lot 3 of Short Plat Recorded September 25, 1990 in Volume 20 of Short Plats, Page 78, under Auditor's File No. 640824, being a portion of the northeast quarter of the northeast quarter of Section 28, T. 30 N., R. 3 W.W.M., Clallam County, Washington.
TOGETHER WITH an easement of ingress and egress over and across the existing driveway as delineated on Lot 2 of said Short Plat.

DESCRIPTION OF PROPOSED WORKS

A 6' x 302' well with a 1/2 horsepower pump, a 1,500 gallon reservoir, and a 1-inch distribution pipe.

DEVELOPMENT SCHEDULE

BEGAN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	Completed	In use

REPORT

I recommend issuance of a permit for Application #G2-27896 based on the following information:

BACKGROUND:

Pursuant to Chapters 90.03 and 90.44 Revised Code of Washington (RCW), on October 18, 1990, Bill Melang applied for a permit to appropriate public groundwater from a well. He requested 25 gallons per minute (gpm) for group domestic supply.

Legal notice of the proposed appropriation was published in "The Sequim Gazette" of Sequim, Washington, on November 14 and 21, 1990. No protests were received as a result of this notice.

INVESTIGATIONS:

On May 29, 1992, Jill Van Hulle and I conducted a field investigation of the site in the presence of Bill Melang. I contacted Steve Zenovic of Polaris Engineering for water system information. Department of Ecology records were reviewed to determine existing groundwater rights in the area.

Location and Site Description

The well site is located off of Keeler Road approximately two miles east of the city of Sequim in Clallam County. Surrounding areas are rural. Sequim Bay lies approximately 3/4 mile to the east.

This property is the site of Greywolf Bed and Breakfast Inn—a large house with five rooms for guests. The well-groomed grounds consist of a lawn and garden and groves of conifers. Farmlands adjoin the property.

Well and Water System Information

Depth of well: 302 feet
Casing Diameter: 6 inches
Well head elevation: 240 feet (approximate)
Static water level: 219 feet (August 28, 1990)
Pump size: 1/2 hp
Reservoir capacity: 1,500 gallon
Yield of well: 4 gpm
Distribution mainline: 1-inch
One 85-gallon pressure storage tank equipped with a 1 hp pump

This well is completed in an aquifer formation consisting of sand and gravel. The aquifer is overlain by four layers of sand and gravel interspersed by layers containing clay. The maximum yield of this well is 4 gpm. The withdrawal rate authorized under this permit will be adjusted accordingly to reflect the well's production capacity.

Effect on Existing Rights

The following groundwater records are on file with Department of Ecology within a half mile radius of the subject well:

- Two groundwater right certificates located nearly 1/2 mile away:
#G2-04636C authorizing 10 gpm, 8.6 acre-feet per year
#G2-26543C authorizing 15 gpm, 42 acre-feet per year

Report Continued

- One groundwater right permit located nearly 1/2 mile away:
#G2-27826P authorizing 240 gpm, 64 acre-feet per year
This well appears to tap a deeper aquifer than the Melang well.
- 38 water well reports:
Several, including the well representing Certificate #G2-26543C, may be completed within the same aquifer as the Melang well. However, most wells appear to be completed within shallower aquifers.
- Numerous groundwater claims

The nearest neighboring wells (private wells) are located within 1000 feet of the Melang well. Due to the density and proximity of wells in this area, withdrawals from this well may need to be regulated in the future if senior rights are impaired. However, because the Melang well appears to tap a deeper aquifer than the majority of neighboring wells and because of its low withdrawal rate of 4 gpm, it is very unlikely that it will adversely impact groundwater availability to other wells.

Water Requirement

Assuming maximum occupancy of 14 persons, an average of 70 gallons per day per person should be adequate to meet water requirements. This amounts to an average daily use of 980 gallons, or 1.1 acre-feet per year.

CONCLUSION:

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

RECOMMENDATIONS:

I recommend issuance of a permit to allow appropriation of 4 gpm, 1.1 acre-feet per year for group domestic use. The period of use shall be year-round, as needed.

This permit shall be subject to existing rights and the following provisions:

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, Mail Stop LD-11, Building 3, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply system.

Installation and maintenance of an access port as described in WAC 173-160-355 is required. An air line and gauge may be installed in addition to the access port.

At such time that the Department of Ecology determines the regulation and management of the subject waters is necessary and in the public interest, an approved measuring device shall be installed and maintained in accordance with RCW 90.03.360 and WAC 508-64-020 through -040.

This permit may be subject to implementation of the minimum requirements established in the Interim Guidelines for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology and Conservation Programs, July 1990, (which is attached).

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 may need to prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

Report Continued

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.

REPORTED BY: Maia Peter Date: June 25, 1992

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