

**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 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

<b>PRIORITY DATE</b> February 2, 1989	<b>APPLICATION NUMBER</b> G2-27486	<b>PERMIT NUMBER</b>	<b>CERTIFICATE NUMBER</b>
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<b>NAME</b> Windolph Water Association			
<b>ADDRESS (STREET)</b> Post Office Box 722	<b>(CITY)</b> Olympia	<b>(STATE)</b> Washington	<b>(ZIP CODE)</b> 98507

**PUBLIC WATERS TO BE APPROPRIATED**

**SOURCE**  
Artesian Well

**TRIBUTARY OF (IF SURFACE WATERS)**

<b>MAXIMUM CUBIC FEET PER SECOND</b>	<b>MAXIMUM GALLONS PER MINUTE</b> 40	<b>MAXIMUM ACRE-FEET PER YEAR</b> 12
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<b>QUANTITY, TYPE OF USE, PERIOD OF USE</b> 12 acre-feet	Community domestic supply (24 residences)	Year-round, as needed
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**LOCATION OF DIVERSION/WITHDRAWAL**

**APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL**  
1100 feet south and 750 feet east of the north quarter corner of Section 4.

<b>LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)</b> NW¼NE¼	<b>SECTION</b> 4	<b>TOWNSHIP N.</b> 18	<b>RANGE, (E. OR W.) W.M.</b> 2W	<b>W.R.I.A.</b> 13	<b>COUNTY</b> Thurston
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**RECORDED PLATTED PROPERTY**

<b>LOT</b> 3	<b>BLOCK</b>	<b>OF (GIVE NAME OF PLAT OR ADDITION)</b> Windolph Addition
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**LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED**

Beginning at a point 1814.54 feet north 89°05'07" west of the northeast corner of the French Donation Land Claim No. 66 and running thence south 34°46'42" west 52.70 feet, thence south 42°34'19" west 170.79 feet, thence south 35°36'22" west 111.30 feet, thence south 46°42'02" west 300.62 feet, thence south 27°00'42" west 235.15 feet, thence north 39°51'02" west 130.44 feet, thence north 11°11'05" west 207.45 feet, thence north 74°04'14" west 202.84 feet, thence north 23°06'12" west 213.77 feet, thence north 9°29'07" east 262.63 feet, thence south 89°05'07" east 172.84 feet, thence north 5°17'16" west 208.12 feet, thence north 32°25'24" east 172.00 feet, thence south 52°08'22" east 201.36 feet, thence north 28°47'06" east 132.56 feet, thence north 68°44'01" west 188.13 feet, thence north 35°26'11" east 81.56 feet, thence north 34°09'15" east 126.04 feet, thence north 40°20'00" east 302.06 feet, thence south 62°26'13" east 180.78 feet, thence south 27°54'55" west 356.33 feet, thence south 62°50'42" east 200 feet, thence south 56°56'12" east 51.32 feet, thence south 89°50'17" east 254.86 feet, thence south 30°23'04" west 299.29 feet, thence south 79°42'06" east 222.63 feet, thence south 39°03'01" west 38.27 feet, thence north 89°05'07" west 170.28 feet to the point of beginning. EXCEPTING therefrom the following described properties:

1. Beginning of a point 2118.20 feet north 89°05'07" west of the northeast corner of said D.L.C. No. 66, thence south 27°32'16" west 10.61 feet, thence south 20°08'16" west 115.32 feet, thence north 71°18'59" east 119.59 feet, thence north 39°01'21" east 79.44 feet, thence north 72°54'54" west 47.65 feet, thence north 87°08'37" west 73.24 feet to the point of beginning.
2. Beginning of a point 2163.38 feet north 89°05'07" west of the northeast corner of said D.L.C. 66, thence south 20°08'16" west 216.78 feet, thence north 1°20'16" east 93.70 feet, thence north 20°20'14" west 114.96 feet, thence north 42°40'16" east 5.59 feet, thence south 89°05'07" east 108.01 feet to the point of beginning.

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**DESCRIPTION OF PROPOSED WORKS**

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Artesian well discharging to a holding tank, thence through two 5-hp pumps to a 7630 gallon reservoir. Gravity supply distribution system.

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**DEVELOPMENT SCHEDULE**

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BEGIN PROJECT BY THIS DATE:

Started

COMPLETE PROJECT BY THIS DATE:

Complete

WATER PUT TO FULL USE BY THIS DATE:

In Use

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**REPORT**

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**BACKGROUND**

On February 2, 1989, James E. Fitzgerald, for the Windolph Water Association, 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 an artesian well in the amount of 40 gallons per minute (gpm) for community domestic supply. The application was accepted for processing and assigned Application No. G 2-27486. The priority date of this application is February 2, 1989.

A legal notice of the applicant's proposed diversion was prepared by department staff and mailed to the applicant on March 16, 1989. Public notice appeared in "The Olympian" of Olympia, Washington, on March 24 and 31, 1989. No objections to this appropriation were received.

**INVESTIGATIONS**

In consideration of this application, Gale Blomstrom and I conducted an investigation on March 22, 1990. The applicant was not present during the site visit. Other investigations included a review of pertinent state records including recorded water rights and well logs, and an evaluation of the information submitted with the application.

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

The platted area of the Windolph Addition is located in the Butler Cove area, approximately three miles north of Olympia, Washington. The area is developed into lightly wooded lots. A spring and creek cross the property and enter Butler Cove on the south boundary of the plat.

The well in question is located adjacent to the creek, approximately 1000 feet inland from Puget Sound. The well, a reservoir of approximately 3000 gallons, and two 5-hp booster pumps are located in a concrete well house. The artesian well overflows into the reservoir, and is lifted by the booster pumps to a 7630 gallon storage tank located at an elevation of approximately 200 feet above sea level. The distribution system to the 24 residences is gravity supply. At the time of the site visit, I estimated the flow of the well to be approximately 40 gpm.

The water requirement for a single family residence in a community setting should not exceed a total of 450 gallons per day or one-half acre-foot per year. For 24 single family residences, this equates to 12 acre-feet per year.

**CONCLUSIONS**

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 the public welfare.

**RECOMMENDATIONS**

I recommend approval of this application and issuance of a permit to allow appropriation of 40 gallons per minute from this well for community domestic supply. The total amount of water withdrawn shall not exceed 12 acre-feet per year. The period of use shall be year-round, as needed.

The permit shall be subject to existing rights and 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.

Flowing wells shall be so constructed and equipped with valves to ensure that the flow of water can be completely stopped when not being used. Likewise, the well shall be so maintained as to prevent the waste of water through leaky casings, pipes, fittings, valves, or pumps--either above or below land surface.

Report Continued

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the Water Supply and Waste Section, Department of Health, Mail Stop LD 11, Building 4, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply.

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 WAC 508-640-40.

In all cases, applicants are urged to locate their wells as far inland as is reasonable because of the uncertainty of the amount of seawater intrusion that may be experienced in the future.

When the chloride concentration exceeds 125 mg/L, the withdrawal rate shall be reduced to reduce the chloride level to below 125 mg/L.

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 his use of the 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: Don Daid DATE: August 20, 1990

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

**Legal Description Continued**

**3. Right-of-way along east boundary for county road.**