

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.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
August 13, 1986	G 2-27037		

NAME			
City of Lacey			
ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
P. O. Drawer "B" Lacey City Hall	Lacey	Washington	98503

PUBLIC WATERS TO BE APPROPRIATED

SOURCE		
A well		
TRIBUTARY OF (IF SURFACE WATERS)		
MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	50	8
QUANTITY, TYPE OF USE, PERIOD OF USE		
5 acre feet per year	community domestic supply	year round as needed
3 acre feet per year	irrigation of 1.5 acres	May 1 to October 1

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION—WITHDRAWAL
1100 feet South and 1100 feet West of Northeast Corner of Section 27.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
NE $\frac{1}{4}$ NE $\frac{1}{4}$	27	18 N	1 W	13	Thurston

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

That part of Lot 2 of Section 27, T. 18 N., R. 1 W.W.M., and of shorelands in from thereof, described as follows:

Beginning at a point on the East line of county road known as Carpenter Road, 169 feet North of the South line of said Lot 2; running thence Easterly parallel with the South line of said lot 904.3 feet; thence South 15 feet; thence Easterly parallel with said South line to the line of ordinary high water of Long Lake; thence Northerly along said line of ordinary high water to the South line of the North 943.86 feet of said Lot; thence West along said South line to a point 619.3 feet East of said East line of road; thence North 130.08 feet and West 619.3 feet to said East line of road; thence Southerly along said East line of road 338 feet more or less to the point of beginning; TOGETHER with all shorelands as conveyed by State of Washington lying in front of, adjacent to and abutting on said tract; EXCEPTING therefrom the East 30 feet of the West 619.3 feet of said portion of Lot 2 for road. In Thurston County, Washington.

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DESCRIPTION OF PROPOSED WORKS

A well, expected to be 6' x 100' with a 5 HP submersible pump.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
February 1, 1988	February 1, 1995	February 1, 1996

REPORT

BACKGROUND:

This application was received and accepted on January 10, 1987. Public notice appeared in The Olympian of Olympia, Washington on February 2 and 9, 1987. No objections were received as a result of the public notice.

The applicant seeks a permit under the provisions of Chapter 90.44 Revised Code of Washington to appropriate public ground water from a well in the amount of 50 gallons per minute (gpm) for community domestic supply and irrigation of 1.5 acres.

INVESTIGATIONS:

A field examination of this request was conducted by the writer on February 12, 1987. The applicant was not present during the site visit, but Mr. Jim Sheler, Director of Lacey Parks Department was interviewed at his office afterwards.

The site is currently used as a city park, primarily for swimming and picnicking. A 10 foot deep well on the site was removed from use by capping it when the water could no longer meet public health requirements. The city plans to use that well in the future for irrigation, and applicant ought to be aware that a water right may be needed for that well at that time. The park has no springs or ponds; Long Lake is adjacent to the site on the East. No work has yet begun on planned improvements except for some brush clearing. The construction schedule calls for the well to be in place and in use for some irrigation, drinking fountains, and a shower (for the swimming area) by June 1, 1987. The total planned improvements will not be complete until 1995. The irrigated area will be no more than 1.5 acres, according to current plans. This park gets very heavy use during the summer. The normal requirements for this size facility on this site is approximately 5 acre feet per year for community domestic supply, based on 20 gallons per person per day for up to 450 people using the park per day 6 months out of the year, and 2 acre feet per year per acre for irrigation of 1.5 acres for a total annual withdrawal of 8 acre feet per year. The pumping system will be capable of an instantaneous withdrawal of 50 gallons per minute, which will be needed during peak demand. The normal irrigation season in Western Washington is May 1 to October 1.

CONCLUSIONS:

In accordance with Chapter 90.44 RCW, I find that there is water available for appropriation from the source in question and that the appropriation as recommended is a beneficial use and will not impair existing rights or be detrimental to the public welfare. Therefore, permit should issue, subject to existing rights and indicated provisions.

RECOMMENDATIONS:

It is recommended this application be approved and a permit be issued allowing appropriation of 50 GPM from a well for the purposes of community domestic supply and irrigation of 1.5 acres. The period of use shall be year round as needed for community domestic supply and irrigation season for irrigation. The total annual withdrawal shall not exceed 5 acre feet for community domestic supply, and 3 acre feet per year for irrigation. Approval shall be subject to the following provisions.

The annual quantity of 5 acre feet per year for community domestic supply will be issued supplemental to the existing City of Lacey's water rights.

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.

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 Social and Health Services, Mail Stop LD 11, Building 4, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply.

In accordance with WAC 173-1060 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 should be located at least 50

feet, and preferably 100 feet from a sewer, septic tank privy, or other source of contamination.

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 August 13, 1986.

REPORTED BY: Dick Walker

DATE: 3-18-87

The statutory permit fee for this application is \$20.60.

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