

Decourcey Water Service Area

Introduction

The Decourcey Water Service Area was established in 1988 in a rural area south of Nanaimo, and comprises two properties on Bissel Road and two properties on Pylades Drive. The water source for the Decourcey Water Service Area comes from one groundwater well located nearby. The water source is unchlorinated and is stored in one reservoir.

Detailed Description

Well

Well is located at 3280 Bissel Road, Cedar, BC

Well #/ Name	Well Depth	Wellhead protection?	Treated or Untreated by Chlorine
#1	52.4m	Yes	Untreated*

** Emergency chlorine treatment is in place should it be required.*

Reservoir

There is one reservoir of approximately 35,000 gallons.
The reservoir is located at 3280 Bissell Road, Cedar, BC

Distribution System

The distribution system consists of a 150 mm PVC supply line. Fire Hydrants are connected to the system.

Maintenance Programs

Sources

Regular maintenance of the well head areas to ensure the risk of contamination or systems failure is reduced or eliminated.

Reservoirs

Reservoir is flushed and cleaned every two years.

Distribution System

Water mains are flushing annually.

Current Year Planned Maintenance / Improvements

No major work planned.
Fire hydrant maintenance.
Installed fence and alarm system at the pump station.

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Water Sampling and Testing Program

See attached lab sheets for all water testing reports.

The distribution system is tested using the following schedule.

Timing	Location	Tests
Weekly	In house laboratory (RDN)	Fecal Coliforms Total Coliforms Temperature PH Chlorine Total Dissolved Solids Salinity Conductivity Iron Manganese
Weekly (Health Dept. Required)	Independent Laboratory*	Fecal Coliforms Total Coliforms
Monthly	Independent Laboratory*	Chloride
Quarterly	Independent Laboratory*	Chloride Conductivity Sodium Total Dissolved Solids
Annual	Independent Laboratory*	Complete potability testing in well in October. Complete potability testing in system water (residence).

* North Island Laboratory.

Emergency Response Plan

The Decourcey Water Local Service Area Emergency response plan is attached for information. This document is updated annually to ensure contact and other relevant information is in place, The emergency Response Plan for part of the overall RDN's Emergency Response Plan Document.

Cross Connection Control Program

Cross connection control is largely achieved through the installation of dual check valves at every metering point in the system. A Cross Connection Control is being developed in 2007.

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Water Quality Inquires and Complaints

Inquires were of a general nature related to the delivery of potable water to serviced properties.