

SOURCE WATER ASSESSMENT SUMMARY BROCHURE

HECETA WATER DISTRICT PWS # 4100301

WHAT IS A SOURCE WATER ASSESSMENT?

The Source Water Assessment was recently completed by the Department of Environmental Quality (DEQ) and the Oregon Health Division (OHD) to identify the surface areas (and/or subsurface areas) that supply water to Heceta Water District's public water system intake and to inventory the potential contaminant sources that may impact the water supply.

WHY WAS IT COMPLETED?

The Source Water Assessment was completed to provide information so that Heceta Water District's public water system staff/operator, consumers, and community citizens can begin developing strategies to protect the source of their drinking water, and to minimize future public expenditures for drinking water treatment. The assessment was prepared under the requirements and guidelines of the Federal Safe Drinking Water Act (SDWA).

WHAT AREAS ARE INCLUDED IN HECETA WATER DISTRICT'S DRINKING WATER PROTECTION AREA?

The drinking water for Heceta Water District is supplied by an intake on Clear Lake. This public water system serves approximately 4,500 citizens. The intake is located in the Lower Siuslaw River Watershed in the Siuslaw Sub-Basin of the Northern Oregon Coastal Basin. The geographic area providing water to Heceta Water District's intake (the drinking water protection area) includes 149.6 acres of lakes (including Munsel Lake, Clear Lake, Ackerley Lake and Collard Lakes) and 0.23 miles of streams. The protection area encompasses a total area of 0.96 square miles. The boundaries of the Drinking Water Protection Area are illustrated on the figure attached to this summary.

WHAT ARE THE POTENTIAL SOURCES OF CONTAMINATION TO HECETA WATER DISTRICT'S PUBLIC DRINKING WATER SUPPLY?

The primary intent of this inventory was to identify and locate significant potential sources of contaminants of concern. Forestlands primarily dominate the delineated drinking water protection area. The potential contaminant sources identified in the watershed include rural residential areas and future land development. This provides a quick look at the existing potential sources of contamination that could, if improperly managed or released, impact the water quality in the watershed.

WHAT ARE THE RISKS FOR OUR SYSTEM?

Two potential contaminant sources were identified in Heceta Water District's drinking water protection area. Both are located in the sensitive areas and are high- to moderate-risk sources within "sensitive areas". The sensitive areas within the Heceta Water District drinking water protection area include areas with high soil permeability and areas located within 1000' from the river/streams. The sensitive areas are those where the potential contamination sources, if present, have a greater potential to impact the water supply. The information in this assessment provides a basis for prioritizing areas in and around our community that are most vulnerable to potential impacts and can be used by the Heceta Water District community to develop a voluntary Drinking Water Protection Plan.

NEED MORE INFORMATION?






Heceta Water District's Source Water Assessment Report provides additional details on the methodology and results of this assessment. The full report is available for review at:

Contact Heceta Water District staff if you would like additional information on these Source Water Assessment results.

Source Water Assessment Results

Heceta Water District's Drinking Water Protection Area with Sensitive Areas and Potential Contamination Sources

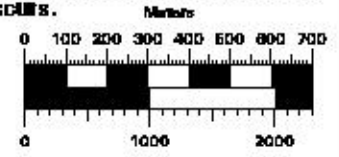
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-  Drinking Water Protection Area
-  Drinking Water Intake - Surface Water
-  Sensitive Areas
-  Area Feature (see Note 2)
-  Point Feature (see Note 2)

Notes on Potential Contaminant Sources

Note 1: Sites and areas noted in this Figure are potential sources of contamination to the drinking water protection identified by Oregon drinking water protection staff. Environmental contamination is not likely to occur when contaminants are used and managed properly.

Note 2: Feature identification markers correspond to the potential contaminant source numbers in the SWA Report. The area features represent the approximate area where the land use or activity occurs and is marked at the point closest to the intake. The point features represent the approximate point where the land use or activity occurs.



Printed August, 2001
Oregon Department of Environmental Quality GIS

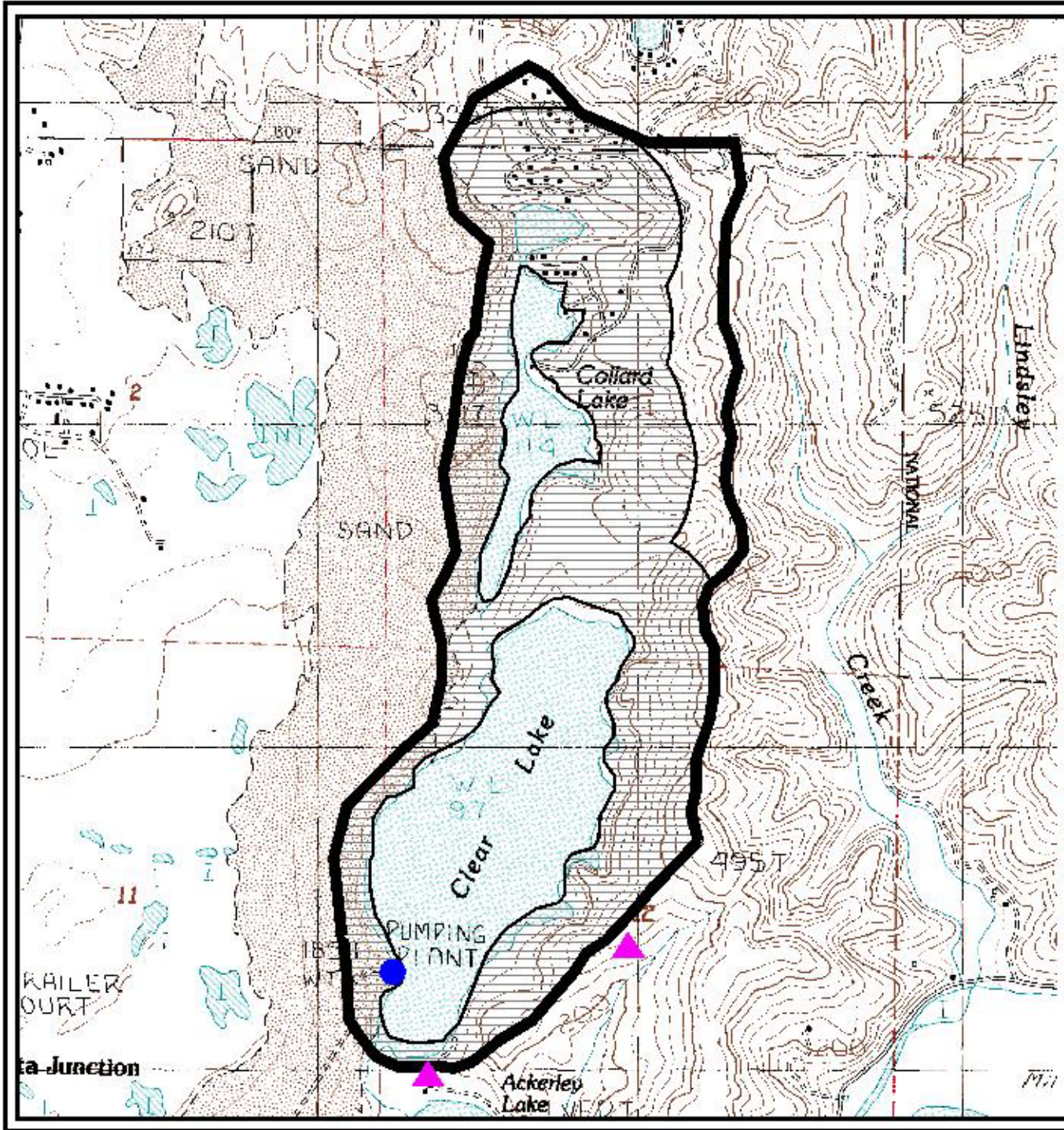


TABLE 2. INVENTORY RESULTS - LIST OF POTENTIAL CONTAMINANT SOURCES

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Reference No. (See Figure)	Potential Contaminant Source Type	Name	Approximate Location	City	Method for Listing	Proximity to Sensitive Areas	Relative Risk Level (1)	Potential Impacts	Comments
1	Wells/Abandoned Wells	Rural residential on septic	North of Clear Lake	Florence	Field-Observation	Within sensitive	Moderate	Improperly installed or maintained wells and abandoned wells may provide a direct conduit for contamination to groundwater and drinking water source.	Majority of homes are around Collard Lake. Presence and location of wells unknown. Needs verified. Potential risk should be verified during enhanced inventory.
	Homesteads - Rural - Septic Systems (< 1/acre)						Lower	If not properly sited, designed, installed, and maintained, septic systems can impact drinking water. Use of drain cleaners and dumping household hazardous wastes can result in groundwater	Majority of homes are around Collard Lake. Presence and location of wells unknown. Needs verified. Potential risk should be verified during enhanced inventory.
2	Other	Future Land Development	Southeast of Clear Lake	Florence	Interview	Within sensitive	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Forest clearing may occur in future according to contact. Potential future land use.

Note: Sites and areas identified in this Table are only potential sources of contamination to the drinking water. Environmental contamination is not likely to occur when contaminants are used and managed properly.

(1) Where multiple potential contaminant sources exist at a site, the highest level of risk is used.

(2) See Table 3 for database listings (if necessary).