1 Introduction

Up to 1 million British Columbians are estimated to consume groundwater, and hundreds of groundwater aquifers provide water for industries, municipalities, farms, and rural homeowners in B.C. British Columbia operates a provincial observation well network of over 180 wells, which was established in 1961 to monitor groundwater availability in areas of high human use.

- Observation wells are not used for domestic or commercial use, but instead provide information on groundwater levels over time.
• Monitoring groundwater levels allows us to know how much groundwater is available given human use patterns, aquifer characteristics, weather and climate patterns.

• This indicator presents a statistical analysis of long-term trends in groundwater levels recorded at 119 observation wells that have been monitored for ten years or more and were active as of 2004.

• 78% of observation wells examined have water levels that are stable or increasing (with 4 wells showing increasing trends); 9% of observation wells show a large rate of decline in water levels (more than 10 cm per year), with a further 13% of wells showing a moderate rate of decline in water levels (between 3 and 10 cm per year).

2 Provincial summaries

The charts below summarise the proportions of observation wells with groundwater levels in three long-term trend categories: large rate of decline (more than 10 cm/year), moderate rate of decline (3 to 10 cm/year), and stable or increasing. These summaries are also presented by region and aquifer type.
Percentage of observation wells in three categories of long-term trends in groundwater levels

- 78% Stable or Increasing
- 13% Moderate rate of decline
- 9% Large rate of decline
Variation in long–term trends in groundwater levels by region

- Cariboo (8 wells): Stable or increasing
- Kootenay/Boundary (5 wells): Stable or increasing
- Northeast (2 wells): Large rate of decline
- Omineca (1 well): Stable or increasing
- Skeena (1 well): Moderate rate of decline
- South Coast (16 wells): Moderate rate of decline
- Thompson/Okanagan (36 wells): Stable or increasing
- West Coast (50 wells): Stable or increasing
Variation in long-term trends in groundwater levels by aquifer type

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<th>Bedrock (33 wells)</th>
<th>Sand and Gravel (84 wells)</th>
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- Stable or Increasing
- Moderate rate of decline
- Large rate of decline
3 Individual well statistics

Groundwater levels are sensitive to precipitation, aquifer storage capacity, recharge rate, and human withdrawal. Groundwater level trends presented here indicate long-term changes in water level, but have not been corrected for changes in precipitation patterns or other factors. Thus, any significant trends are not necessarily directly attributable to human use. However, information on long-term trends can be useful for prompting further research and informing decision-making.
3.1 Locations of 119 groundwater observation wells that were included in the analysis

- Stable or Increasing
- Moderate rate of decline
- Large rate of decline
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### 4 References and Other Useful Links

- **Provincial Observation Well Network homepage:** [http://www.env.gov.bc.ca/wsd/data_searches/obswell/index.html](http://www.env.gov.bc.ca/wsd/data_searches/obswell/index.html)
- **WELLS - Ground Water Wells and Aquifer Database:** [http://www.env.gov.bc.ca/wsd/data_searches/wells/](http://www.env.gov.bc.ca/wsd/data_searches/wells/)
- **B.C. Water Information and Tools:** [http://www2.gov.bc.ca/gov/topic.page?id=F281F036D5394460B4C3CC01F47833A7](http://www2.gov.bc.ca/gov/topic.page?id=F281F036D5394460B4C3CC01F47833A7)

### 5 Data

*By accessing these datasets, you agree to the license associated with each file, as indicated in parentheses below.

- **Observation Well Attributes (License: B.C. OGL). Dataset Details**
• Observation Well Groundwater Level Data (License: B.C. OGL). Dataset Details

6 Appendix: Individual well maps and graphs

Three plots were created for each well, including a map of the well’s location (upper left).

The graph to the right of the map shows the monthly groundwater levels relative to the annual average. This illustrates the seasonal nature of water levels recorded in that well; many wells will have higher than average water levels in the spring, and lower than average levels in the late summer and fall. The shaded blue area shows the range of variation within which 90% of observations in that month fall.

The bottom plot (called a “hydrograph”) on each page shows the monthly groundwater levels for the history of the well, with the orange line representing the calculated trend in annual average groundwater levels. The slope and significance of the trend are given below the title. Red dots show missing values which were interpolated (see methods).
6.1 Cariboo

Observation Well #80 - Clinton (Rodeo Grounds Cariboo Hwy 97n)

This well is drilled into a Sand and Gravel aquifer, to a depth of 15m and has a period of record from April 01 1975 to September 01 2013

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0058m/year  Significance: 0.087  State: Stable
Observation Well #81 - 83 Mile (Cariboo Hwy 97n)

This well is drilled into a Bedrock aquifer, to a depth of 152m and has a period of record from January 01 1975 to January 01 2014.

Monthly groundwater level deviation

Monthly groundwater level deviation:
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

Groundwater levels and long-term trend:
- Trend: +0.025m/year
- Significance: 0.578
- State: Stable

Depth below ground (m)

Depth below ground (m):
- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Date

Date:

Mean difference from yearly average GWL (m)

Mean difference from yearly average GWL (m):
- Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Observation Well #78 - Lone Butte Near Rail Station

This well is drilled into a Sand and Gravel aquifer, to a depth of 9m and has a period of record from August 01 1978 to June 01 2004.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.015m/year        Significance: 1.000        State: Stable
Observation Well #88 - Williams Lake (Scout Island)

This well is drilled into a Sand and Gravel aquifer, to a depth of 81m and has a period of record from March 01 1978 to October 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.34m/year
- Significance: 0.00000012
- State: Large rate of decline
**Observation Well #82 - Barkerville (Lower)**

This well is drilled into a Bedrock aquifer, to a depth of 29m and has a period of record from February 01 1975 to December 01 2009.

**Monthly groundwater level deviation**

- Range of 90% of water levels
- Deviation from yearly average

**Groundwater levels and long-term trend**

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.034m/year  Significance: 0.273  State: Stable

**Depth below ground (m)**


- 0 5 10 15
Observation Well #260 - Quesnel Red Bluff (Maple Drive & Borregard Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 75m and has a period of record from September 01 1982 to February 01 2014.
Observation Well #261 - Williams Lake (Dog Creek Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 79m and has a period of record from September 01 1980 to September 01 2012

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.10m/year
- Significance: 0.020
- State: Large rate of decline
Observation Well #289 - Williams Lake (Pine Valley Subdivision)

This well is drilled into a Sand and Gravel aquifer, to a depth of 30m and has a period of record from April 01 1984 to September 01 2011.

Groundwater levels and long-term trend

Trend: +0.055m/year    Significance: 0.016    State: Increasing

Monthly groundwater level deviation

Range of 90% of water levels
Deviation from yearly average

Depth below ground (m)

Date

Environmental Reporting BC
6.2 Kootenay / Boundary

Observation Well #74 - Ootischenia (Aaron Rd. - Castlegar Golf Course)

This well is drilled into a Sand and Gravel aquifer, to a depth of 37m and has a period of record from June 01 1983 to July 01 2008.

Groundwater levels and long−term trend

Trend: +0.21m/year        Significance: 0.154        State: Stable

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Depth below ground (m)
Observation Well #217 - Grand Forks (Richmond Ave.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 9m and has a period of record from July 01 1979 to January 01 2011.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0014m/year        Significance: 0.277        State: Stable
Observation Well #291 - Cranbrook (Gold Creek Rd. & 42nd Ave.)

This well is drilled into a Bedrock aquifer, to a depth of 76m and has a period of record from November 01 1985 to March 01 2014

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.0037m/year    Significance: 0.750    State: Stable
Observation Well #306 - Beaverdell (Hwy 33 & 42nd Ave.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 21m and has a period of record from March 01 1989 to March 01 2014.
Observation Well #309 - Golden (Highway 95 & Almberg Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 45m and has a period of record from November 01 1989 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0068m/year        Significance: 0.591        State: Stable
6.3 Northeast

Observation Well #124 - Charlie Lake

This well is drilled into a Bedrock aquifer, to a depth of 83m and has a period of record from August 01 1980 to September 01 2006.

Monthly groundwater level deviation
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend
- Trend: +0.0046m/year
- Significance: 0.402
- State: Stable

Depth below ground (m) vs. Date
Observation Well #286 - Tumbler Ridge

This well is drilled into a Sand and Gravel aquifer, to a depth of 43m and has a period of record from April 01 1989 to March 01 2014.
6.4 Omineca

Observation Well #293 - Ferguson Lake N. Kelly Rd.

This well is drilled into a Sand and Gravel aquifer, to a depth of 40m and has a period of record from March 01 1986 to December 01 2008.

- Mean difference from yearly average GWL (m)
- Range of 90% of water levels
- Deviation from yearly average

Trend: −0.011m/year  Significance: 0.284  State: Stable

Depth below ground (m)  Date
6.5 Skeena

Observation Well #89 - Smithers (Corner Powell & Lund)

This well is drilled into a Sand and Gravel aquifer, to a depth of 86m and has a period of record from December 01 1969 to May 01 2006.

Monthly groundwater level deviation
- Mean difference from yearly average GWL (m)
- Range of 90% of water levels
- Deviation from yearly average

Trend: −0.032m/year  Significance: 0.00014  State: Moderate rate of decline

Groundwater levels and long−term trend
- Groundwater Level
- Interpolated (missing) values
- Long−term trend

Trend: −0.032m/year  Significance: 0.00014  State: Moderate rate of decline
6.6 South Coast

Observation Well #15 - Abbotsford Fraser Valley Trout Hatchery Vye Rd

This well is drilled into a Sand and Gravel aquifer, to a depth of 98m and has a period of record from December 01 1974 to February 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.0093m/year
- Significance: 0.153
- State: Stable
Observation Well #4 - Langley (22317 16 Ave)

This well is drilled into a Sand and Gravel aquifer, to a depth of 44m and has a period of record from March 01 1962 to February 01 2004.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.058m/year
- Significance: 0.000
- State: Moderate rate of decline
Observation Well #2 - Abbotsford (Airport Huntingdon Rd W Of Clearbrook Rd)

This well is drilled into a Sand and Gravel aquifer, to a depth of 19m and has a period of record from January 01 1966 to February 01 2014

**Monthly groundwater level deviation**

- Range of 90% of water levels
- Deviation from yearly average

**Groundwater levels and long-term trend**

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

**Trend:** −0.023m/year  
**Significance:** 0.168  
**State:** Stable

**Depth below ground (m)**

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**Groundwater levels and long-term trend**

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

**Trend:** −0.023m/year  
**Significance:** 0.168  
**State:** Stable

**Depth below ground (m)**

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**Environmental Reporting BC**

**BRITISH COLUMBIA** Ministry of Environment

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Observation Well #3 - Abbotsford (30244 Taylor Rd)

This well is drilled into a Sand and Gravel aquifer, to a depth of 19m and has a period of record from March 01 1962 to February 01 2004.

Monthly groundwater level deviation

Groundwater levels and long-term trend

Trend: −0.0096m/year  Significance: 0.141  State: Stable

Depth below ground (m)
Observation Well #8 - Abbotsford (Vye Rd E Off McCallum Rd)

This well is drilled into a Sand and Gravel aquifer, to a depth of 27m and has a period of record from February 01 1962 to March 01 2014.
Observation Well #7 - Langley (3364 240 St)

This well is drilled into a Sand and Gravel aquifer, to a depth of 22m and has a period of record from February 01 1962 to February 01 2004.

- Trend: $-0.23\text{m/year}$  
  Significance: 0.000  
  State: Large rate of decline

- Groundwater level deviation
  - Mean difference from yearly average GWL (m)
  - Range of 90% of water levels
  - Deviation from yearly average

Groundwater levels and long-term trend

- Trend: $-0.23\text{m/year}$  
  Significance: 0.000  
  State: Large rate of decline
Observation Well #12 - Langley (2145 200 St)

This well is drilled into a Sand and Gravel aquifer, to a depth of 11m and has a period of record from February 01 1964 to February 01 2004

**Monthly groundwater level deviation**

- Range of 90% of water levels
- Deviation from yearly average

**Groundwater levels and long-term trend**

- Trend: −0.02m/year
- Significance: 0.049
- State: Stable
Observation Well #255 - Chilliwack (Yarrow Ratzlaff Rd)

This well is drilled into a Bedrock aquifer, to a depth of 37m and has a period of record from May 01 1983 to July 01 2012.

Groundwater levels and long-term trend

Trend: +0.0097m/year  Significance: 0.075  State: Stable

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Depth below ground (m)

1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011

Date
Observation Well #259 - Maple Ridge (Whonnock 272 St And 110 Ave)

This well is drilled into a Sand and Gravel aquifer, to a depth of 37m and has a period of record from April 01 1980 to March 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.016m/year
Significance: 0.042
State: Stable
Observation Well #272 - Abbotsford (34288 Farmer Rd)

This well is drilled into a Sand and Gravel aquifer, to a depth of 36m and has a period of record from November 01 1981 to March 01 2014

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.03m/year  Significance: 0.0074  State: Increasing
Observation Well #273 - Abbotsford (Farmer Rd Near Mckenzie Rd)

This well is drilled into a Sand and Gravel aquifer, to a depth of 34m and has a period of record from November 01 1981 to May 01 2006.

Groundwater levels and long–term trend

Trend: +0.011m/year        Significance: 0.168        State: Stable

Long–term trend
Observation Well #275 - Surrey (36th Ave Near 194th St.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 0m and has a period of record from October 01 1981 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long–term trend

- Groundwater Level
- Interpolated (missing) values
- Long–term trend

Trend: −0.0019m/year        Significance: 0.698        State: Stable
Observation Well #292 - Powell River (2214 Victory Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 27m and has a period of record from April 01 1985 to February 01 2011.
Observation Well #299 - Abbotsford (Mt Lehman Rd N Of Marshall Rd Extension)

This well is drilled into a Sand and Gravel aquifer, to a depth of 16m and has a period of record from August 01 1987 to March 01 2014.

Monthly groundwater level deviation

Mean difference from yearly average GWL (m)

Range of 90% of water levels
Deviation from yearly average

Trend: +0.024m/year  Significance: 0.095  State: Stable

Groundwater levels and long-term trend

Groundwater Level  Interpolated (missing) values  Long-term trend

Trend: +0.024m/year  Significance: 0.095  State: Stable

Depth below ground (m)
Observation Well #301 - Abbotsford (King Rd W Of Bradner Rd)

This well is drilled into a Sand and Gravel aquifer, to a depth of 41m and has a period of record from April 01 1988 to February 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: -0.0082m/year  Significance: 0.481  State: Stable
Observation Well #349 - Belcarra (3400-block Main Ave)

This well is drilled into a Bedrock aquifer, to a depth of 82m and has a period of record from April 01 2001 to August 01 2013.
6.7 Thompson / Okanagan

Observation Well #185 - Salmon River (Salmon River Road Se Salmon Arm)

This well is drilled into a Sand and Gravel aquifer, to a depth of 10m and has a period of record from July 01 1974 to February 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: \(-0.014\) m/year
- Significance: 0.0001
- State: Stable
Observation Well #175 - Kalawoods

This well is drilled into a Sand and Gravel aquifer, to a depth of 23m and has a period of record from June 01 1973 to December 01 2006

![Map and Graphs]

- Mean difference from yearly average GWL (m)
- Range of 90% of water levels
- Deviation from yearly average

Monthly groundwater level deviation

- Trend: +0.0038m/year
- Significance: 0.00017
- State: Stable

Groundwater levels and long-term trend

- Depth below ground (m)
- Date

Interpolated (missing) values

Long-term trend
Observation Well #236 - Rutland (Timrick Court)

This well is drilled into a Sand and Gravel aquifer, to a depth of 43m and has a period of record from March 01 1979 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.13m/year  Significance: 0.061  State: Stable

Date


Depth below ground (m)

25 20 15
Observation Well #180 - Armstrong (Spallumcheen Way & Crozier Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 37m and has a period of record from June 01 1975 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long–term trend

- Trend: −0.093m/year
- Significance: 0.110
- State: Stable
Observation Well #117 - Armstrong (Otter Lake Cross Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 577m and has a period of record from August 01 1971 to March 01 2014

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.022m/year  Significance: 0.027  State: Stable
Observation Well #119 - Armstrong (Pleasant Valley Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 180m and has a period of record from October 01 1971 to October 01 2007

Groundwater levels and long-term trend

Trend: −0.062m/year  Significance: 0.00057  State: Moderate rate of decline
Observation Well #122 - Enderby (Hwy 97a)

This well is drilled into a Sand and Gravel aquifer, to a depth of 319m and has a period of record from May 01 1977 to August 01 2008.

Monthly groundwater level deviation
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend
- Trend: -0.0032m/year
- Significance: 0.475
- State: Stable

Depth below ground (m) vs Date

Interpolated (missing) values

Long-term trend

Groundwater Level

Interpolated (missing) values

Long-term trend
Observation Well #118 - Armstrong (Back Enderby Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 479m and has a period of record from August 01 1971 to March 01 2014

Monthly groundwater level deviation

<table>
<thead>
<tr>
<th>Month</th>
<th>Mean difference from yearly average GWL (m)</th>
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<tbody>
<tr>
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Groundwater levels and long-term trend

Trend: \(-0.036\) m/year
Significance: 0.028
State: Moderate rate of decline
Observation Well #153 - Summerland

This well is drilled into a Sand and Gravel aquifer, to a depth of 7m and has a period of record from October 01 1969 to November 01 2007.

Groundwater levels and long-term trend

Mean difference from yearly average GWL (m)

Range of 90% of water levels
Deviation from yearly average

Trend: −0.01m/year        Significance: 0.0035        State: Stable

Monthly groundwater level deviation

Depth below ground (m)

Interpolated (missing) values Long-term trend

Groundwater levels and long-term trend

Depth below ground (m)

Date

Observation Well #154 - Summerland (Hwy 97 & Thornber St.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 15m and has a period of record from September 01 1969 to December 01 2007.

Monthly groundwater level deviation

Groundwater levels and long-term trend

Trend: −0.032m/year        Significance: 0.000021        State: Moderate rate of decline
Observation Well #158 - Summerland North Of North Side Creek

This well is drilled into a Sand and Gravel aquifer, to a depth of 15m and has a period of record from October 01 1969 to November 01 2007.

Groundwater levels and long-term trend

Trend: $-0.079\text{m/year}$  Significance: 0.000088  State: Moderate rate of decline
Observation Well #75 - Keremeos (6th Ave & 5th St.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 28m and has a period of record from April 01 1965 to January 01 2011.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: -0.015m/year    Significance: 0.0011    State: Stable
Observation Well #76 - Keremeos (9th Ave & 3rd St.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 23m and has a period of record from November 01 1966 to June 01 2010

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.014m/year
- Significance: 0.000027
- State: Stable
Observation Well #115 - Mission Creek

This well is drilled into a Bedrock aquifer, to a depth of 22m and has a period of record from October 01 1973 to January 01 2010.
Observation Well #54 - Carrs Landing (Jersey Road)

This well is drilled into a Bedrock aquifer, to a depth of 14m and has a period of record from October 01 1969 to November 01 2006.
Observation Well #45 - Westwold (Station Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 17m and has a period of record from December 01 1965 to December 01 2012.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: -0.027m/year
- Significance: 0.000011
- State: Stable

Depth below ground (m)
Observation Well #47 - Silver Star Mountain (Sovereign Lake Road)

This well is drilled into a Bedrock aquifer, to a depth of 91m and has a period of record from December 01 1965 to July 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: -0.002m/year    Significance: 0.866    State: Stable
Observation Well #35 - Stump Lake (Hwy 5a & Old Kamloops Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 40m and has a period of record from January 01 1968 to January 01 2014.

Monthly groundwater level deviation

Range of 90% of water levels
Deviation from yearly average

Groundwater levels and long-term trend

Trend: −0.022m/year
Significance: 0.0035
State: Stable
Observation Well #100 - Osoyoos

This well is drilled into a Sand and Gravel aquifer, to a depth of 19m and has a period of record from September 01 1969 to February 01 2008.
Observation Well #101 - Osoyoos (160th Ave & Hwy 97)

This well is drilled into a Sand and Gravel aquifer, to a depth of 20m and has a period of record from September 01 1969 to September 01 2010.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Trend: +0.013m/year        Significance: 0.629        State: Stable

Groundwater levels and long−term trend

- Groundwater Level
- Interpolated (missing) values
- Long−term trend

Depth below ground (m)

Date
Observation Well #105 - Osoyoos (146th Ave & Hwy 97)

This well is drilled into a Sand and Gravel aquifer, to a depth of 13m and has a period of record from August 01 1969 to January 01 2009.

Monthly groundwater level deviation

<table>
<thead>
<tr>
<th>Month</th>
<th>Mean difference from yearly average GWL (m)</th>
<th>Deviation from yearly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>1.0</td>
<td>-0.5</td>
</tr>
<tr>
<td>Feb</td>
<td>0.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Mar</td>
<td>-0.5</td>
<td>-0.0</td>
</tr>
<tr>
<td>Apr</td>
<td>-1.0</td>
<td>-0.5</td>
</tr>
<tr>
<td>May</td>
<td>-1.5</td>
<td>-1.0</td>
</tr>
<tr>
<td>Jun</td>
<td>-1.0</td>
<td>-1.5</td>
</tr>
<tr>
<td>Jul</td>
<td>-0.5</td>
<td>-2.0</td>
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<tr>
<td>Aug</td>
<td>0.0</td>
<td>2.0</td>
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<tr>
<td>Sep</td>
<td>0.5</td>
<td>1.5</td>
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<tr>
<td>Oct</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Nov</td>
<td>1.5</td>
<td>3.0</td>
</tr>
<tr>
<td>Dec</td>
<td>2.0</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Range of 90% of water levels

Long-term trend

Trend: −0.013m/year        Significance: 0.022        State: Stable
Observation Well #96 - Osoyoos (Wren Place)

This well is drilled into a Sand and Gravel aquifer, to a depth of 11m and has a period of record from October 01 1969 to December 01 2011

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.0039m/year
- Significance: 0.319
- State: Stable

Depth below ground (m) vs Date

- Groundwater Level
- Interpolated (missing) values
- Long-term trend
Observation Well #162 - Oyama (Trewhitt Road)

This well is drilled into a Bedrock aquifer, to a depth of 4m and has a period of record from May 01 1972 to March 01 2007.

**Monthly groundwater level deviation**

- **Range of 90% of water levels**
- **Deviation from yearly average**

**Groundwater levels and long-term trend**

- **Groundwater Level**
- **Interpolated (missing) values**
- **Long-term trend**

**Trend**: −0.019m/year  
**Significance**: 0.061  
**State**: Stable
Observation Well #172 - Oyama (Sawmill Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 20m and has a period of record from September 01 1977 to March 01 2014.

Monthly groundwater level deviation

- Mean difference from yearly average GWL (m)
- Range of 90% of water levels
- Deviation from yearly average

Trend: −0.021m/year        Significance: 0.0038        State: Stable

Groundwater levels and long-term trend

- Groundwater Level
- Long-term trend

Trend: −0.021m/year        Significance: 0.0038        State: Stable
Observation Well #173 - Oyama (Sawmill Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 19m and has a period of record from June 01 1972 to July 01 2004.

Monthly groundwater level deviation
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend
- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0069m/year        Significance: 0.0033        State: Stable
Observation Well #174 - Oyama (Oyama Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 41m and has a period of record from December 01 1972 to November 01 2009.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.0043m/year
- Significance: 0.017
- State: Stable

Depth below ground (m)

Date

Observation Well #176 - Oyama (Broadwater Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 52m and has a period of record from July 01 1972 to December 01 2006.
Observation Well #203 - Cawston (Barcello Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 61m and has a period of record from November 01 1977 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.017m/year
- Significance: 0.018
- State: Stable
Observation Well #262 - Kelowna (McCulloch Rd. & Klo Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 84m and has a period of record from August 01 1980 to March 01 2014.
Observation Well #282 - Willowbrook/meyers Flats (Meyers Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 17m and has a period of record from February 01 1983 to March 01 2011.

Monthly groundwater level deviation

<table>
<thead>
<tr>
<th>Month</th>
<th>Mean difference from yearly average GWL (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>-0.5</td>
</tr>
<tr>
<td>Feb</td>
<td>-0.2</td>
</tr>
<tr>
<td>Mar</td>
<td>-0.1</td>
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<td>Jun</td>
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<td>Jul</td>
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<tr>
<td>Aug</td>
<td>0.6</td>
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<tr>
<td>Sep</td>
<td>0.8</td>
</tr>
<tr>
<td>Oct</td>
<td>1.0</td>
</tr>
<tr>
<td>Nov</td>
<td>0.8</td>
</tr>
<tr>
<td>Dec</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Range of 90% of water levels

Deviation from yearly average

Groundwater levels and long-term trend

Trend: -0.10m/year  Significance: 0.567  State: Stable

Depth below ground (m)

Date

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Observation Well #294 - Lumby (Whitevale Rd. & Horner Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 30m and has a period of record from January 01 1987 to March 01 2014.

- Monthly groundwater level deviation
  - Range of 90% of water levels
  - Deviation from yearly average

- Groundwater levels and long-term trend
  - Trend: −0.018m/year
  - Significance: 0.073
  - State: Stable
Observation Well #296 - Merritt (Garcia Road At Library)

This well is drilled into a Sand and Gravel aquifer, to a depth of 17m and has a period of record from April 01 1989 to February 01 2014

Monthly groundwater level deviation

Groundwater levels and long–term trend

Trend: −0.018m/year  Significance: 0.021  State: Stable
Observation Well #302 - Malakwa (Loftus Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 20m and has a period of record from April 01 1988 to October 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.008m/year  Significance: 0.338  State: Stable
Observation Well #332 - Oliver (87th St.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 37m and has a period of record from June 01 1997 to September 01 2010.

Monthly groundwater level deviation

![Graph showing monthly groundwater level deviation with range of 90% of water levels and deviation from yearly average.]

Groundwater levels and long-term trend

![Graph showing groundwater levels and long-term trend with trend: -0.12m/year, significance: 0.0000048, and state: Large rate of decline.]
Observation Well #344 - Cache Creek (Jackson Park Valleyview Drive)

This well is drilled into a Sand and Gravel aquifer, to a depth of 34m and has a period of record from March 01 2000 to January 01 2014

Groundwater levels and long-term trend

Monthly groundwater level deviation

Trend: +0.016m/year        Significance: 0.584        State: Stable
Observation Well #346 - Cache Creek (Jackson Park Valleyview Drive)

This well is drilled into a Sand and Gravel aquifer, to a depth of 10m and has a period of record from March 01 2001 to January 01 2014.

Groundwater levels and long-term trend

Trend: −0.016m/year  Significance: 0.246  State: Stable

Monthly groundwater level deviation

Range of 90% of water levels
Deviation from yearly average

Depth below ground (m)
6.8 West Coast

Observation Well #65 - Sidney (Victoria International Airport)

This well is drilled into a Bedrock aquifer, to a depth of 154m and has a period of record from February 01 1975 to March 01 2014.
Observation Well #61 - South Saanich (Glidden Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 27m and has a period of record from October 01 1970 to August 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: +0.024m/year
- Significance: 0.368
- State: Stable
Observation Well #62 - North Saanich (Wain Road)

This well is drilled into a Bedrock aquifer, to a depth of 78m and has a period of record from July 01 1975 to February 01 2004.

Monthly groundwater level deviation

Groundwater levels and long-term trend

Trend: +0.0043m/year        Significance: 0.613        State: Stable
Observation Well #197 - Gabriola Island - (North Road)

This well is drilled into a Bedrock aquifer, to a depth of 84m and has a period of record from August 01 1977 to May 01 2012.
Observation Well #196 - Gabriola Island (Buttercup Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 99m and has a period of record from April 01 1979 to February 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.012m/year
Significance: 0.012
State: Stable
Observation Well #194 - Gabriola Island (Hwys Yard North Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 76m and has a period of record from August 01 1973 to May 01 2007

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.023m/year  Significance: 0.00002  State: Stable
Observation Well #125 - Mayne Island (Horton Bay Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 30m and has a period of record from January 01 1972 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0095m/year  Significance: 0.845  State: Stable
Observation Well #126 - Mayne Island (Georgina Point Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 71m and has a period of record from December 01 1972 to August 01 2006.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.0067m/year  Significance: 0.163  State: Stable
Observation Well #128 - Mayne Island (Skana Gate Road)

This well is drilled into a Bedrock aquifer, to a depth of 69m and has a period of record from December 01 1972 to October 01 2013.

Groundwater levels and long-term trend

- Trend: +0.0018m/year
- Significance: 0.465
- State: Stable
Observation Well #204 - Duncan (Duncan Rv Park North Boys Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 9m and has a period of record from February 01 1977 to August 01 2012.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Trend: −0.026 m/year        Significance: 0.0018        State: Stable
Observation Well #211 - Duncan (Marine Harvest Canada Boys Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 32m and has a period of record from November 01 1976 to February 01 2014.

Monthly groundwater level deviation

- Mean difference from yearly average GWL (m)
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: -0.034m/year
- Significance: 0.000064
- State: Moderate rate of decline
Observation Well #232 - Lantzville (Harby Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 28m and has a period of record from December 01 1979 to December 01 2010.

- **Mean difference from yearly average GWL (m):**
- **Range of 90% of water levels:**
- **Deviation from yearly average:**

- **Trend:** $-0.11\text{m/year}$
- **Significance:** 0.012
- **State:** Large rate of decline
Observation Well #58 - North Saanich (Mainwaring Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 15m and has a period of record from October 01 1966 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.034m/year  Significance: 0.168  State: Stable
Observation Well #60 - North Saanich (Littlewood Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 16m and has a period of record from October 01 1966 to March 01 2014.

Monthly groundwater level deviation

Groundwater levels and long-term trend

Trend: $-0.0014m/\text{year}$  
Significance: 0.204  
State: Stable
Observation Well #71 - Saanich (Cordova Bay Road)

This well is drilled into a Bedrock aquifer, to a depth of 17m and has a period of record from June 01 1976 to May 01 2010.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long–term trend

- Groundwater Level
- Interpolated (missing) values
- Long–term trend

Trend: -0.0085m/year  Significance: 0.976  State: Stable
Observation Well #228 - Cassidy (Timberlands Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 40m and has a period of record from October 01 1954 to February 01 2014.

Monthly groundwater level deviation

Range of 90% of water levels

Deviation from yearly average

Trend: +0.0006 m/year
Significance: 0.688
State: Stable

Groundwater levels and long-term trend

Groundwater Level
Interpolated (missing) values
Long-term trend

Depth below ground (m)
Observation Well #240 - North Saanich (Carnoustie Cr.)

This well is drilled into a Bedrock aquifer, to a depth of 152m and has a period of record from July 01 1981 to March 01 2014.

**Monthly groundwater level deviation**

- **Range of 90% of water levels**
- **Deviation from yearly average**

**Groundwater levels and long-term trend**

- **Trend:** −0.019m/year
- **Significance:** 0.097
- **State:** Stable
Observation Well #258 - Galiano Island (Shopland Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 91m and has a period of record from April 01 1980 to November 01 2013.

Monthly groundwater level deviation
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend
- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.055m/year  Significance: 0.00069  State: Moderate rate of decline
Observation Well #265 - North Saanich (Gleneg Road)

This well is drilled into a Bedrock aquifer, to a depth of 30m and has a period of record from December 01 1980 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-terms trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: $-0.088$ m/year  
Significance: 1.000  
State: Stable
Observation Well #268 - Denman Island (Denman Road)

This well is drilled into a Bedrock aquifer, to a depth of 43m and has a period of record from April 01 1981 to March 01 2014.

Monthly groundwater level deviation

- Mean difference from yearly average GWL (m)
- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0012m/year        Significance: 0.505        State: Stable
Observation Well #281 - Saltspring Island (Long Harbour Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 107m and has a period of record from January 01 1983 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.0025m/year  Significance: 0.415  State: Stable
Observation Well #283 - Pender Island (Paisley Road)

This well is drilled into a Bedrock aquifer, to a depth of 93m and has a period of record from March 01 1983 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: -0.013m/year   Significance: 0.659   State: Stable
Observation Well #284 - Pender Island (Pirates Road)

This well is drilled into a Bedrock aquifer, to a depth of 93m and has a period of record from March 01 1983 to October 01 2013

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.041m/year  Significance: 0.0024  State: Moderate rate of decline
Observation Well #287 - Coombs (Burgoyne Road)

This well is drilled into a Bedrock aquifer, to a depth of 92m and has a period of record from March 01 1984 to February 01 2014.
Observation Well #288 - Hornby Island (Central Rd. At Sandpiper Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 76m and has a period of record from March 01 1984 to February 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: -0.0028m/year
- Significance: 0.803
- State: Stable
Observation Well #212 - North Saanich (Maple Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 41m and has a period of record from February 01 1977 to April 01 2010.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.15m/year  Significance: 0.188  State: Stable
Observation Well #290 - Saturna Island (East Point Rd. At Gaines Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 43m and has a period of record from February 01 1985 to March 01 2014.

**Groundwater levels and long-term trend**

- Trend: −0.011m/year
- Significance: 0.209
- State: Stable

**Monthly groundwater level deviation**

- Range of 90% of water levels
- Deviation from yearly average

**Depth below ground (m)**

- 1987 - 2013

---

### Observations

- **Depth below ground (m):**
  - 48.0
  - 48.5
  - 49.0
  - 49.5

- **Mean difference from yearly average GWL (m):**
  - −1.0
  - −0.5
  - 0.0
  - 0.5
  - 1.0

- **Date:**
  - 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013

---
Observation Well #233 - Cowichan Bay (Vee Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 82m and has a period of record from November 01 1979 to February 01 2014

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.11m/year        Significance: 0.798        State: Stable
Observation Well #295 - Qualicum Beach (Berwick Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 28m and has a period of record from December 01 1986 to February 01 2014

**Groundwater levels and long-term trend**

- Trend: +0.13m/year
- Significance: 0.0042
- State: Increasing

**Monthly groundwater level deviation**

- Range of 90% of water levels
- Deviation from yearly average

**Depth below ground (m) vs Date**

- 1988
- 1990
- 1992
- 1994
- 1996
- 1998
- 2000
- 2002
- 2004
- 2006
- 2008
- 2010
- 2012
- 2014

**Interpolated (missing) values Long-term trend**

- Groundwater Level
- Interpolated (missing) values
- Long-term trend
Observation Well #303 - Qualicum Beach (Yambury Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 49m and has a period of record from September 01 1988 to October 01 2013.
Observation Well #304 - Parksville (Despard Rd. At Springwood Park)

This well is drilled into a Sand and Gravel aquifer, to a depth of 22m and has a period of record from October 01 1988 to November 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.20m/year  Significance: 0.0000033  State: Large rate of decline
Observation Well #310 - Bowser (Deep Bay North At Gainsburg Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 25m and has a period of record from March 01 1990 to March 01 2014.
Observation Well #312 - Cassidy (Haslam Creek On T-bridge Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 24m and has a period of record from December 01 1991 to July 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.052m/year  Significance: 0.0011  State: Moderate rate of decline
Observation Well #314 - Parksville (Springhill Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 32m and has a period of record from February 01 1992 to December 01 2013.
Observation Well #316 - Gabriola Island (Oyster Way)

This well is drilled into a Unknown aquifer, to a depth of 13m and has a period of record from May 01 1994 to February 01 2014

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long–term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.035m/year        Significance: 0.0086        State: Moderate rate of decline
Observation Well #318 - Duncan Fish Hatchery (Wharncliffe Rd.)

This well is drilled into a Sand and Gravel aquifer, to a depth of 30m and has a period of record from January 01 1993 to February 01 2014.
Observation Well #320 - Cobble Hill (Braithwaite Estates)

This well is drilled into a Sand and Gravel aquifer, to a depth of 36m and has a period of record from October 01 1992 to March 01 2014

Groundwater levels and long-term trend

- Trend: \(-0.0076\)m/year
- Significance: 0.910
- State: Stable

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Trend: \(-0.0076\)m/year  Significance: 0.910  State: Stable
Observation Well #321 - Qualicum (Leeward Way)

This well is drilled into a Sand and Gravel aquifer, to a depth of 42m and has a period of record from December 01 1994 to October 01 2013.

**Monthly groundwater level deviation**

- Range of 90% of water levels
- Deviation from yearly average

**Groundwater levels and long-term trend**

- Trend: −0.14m/year
- Significance: 0.059
- State: Stable
Observation Well #323 - Hornby Island (Whaling Station Bay)

This well is drilled into a Bedrock aquifer, to a depth of 82m and has a period of record from July 01 1993 to June 01 2007.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.043m/year        Significance: 0.155        State: Stable
Observation Well #324 - Hornby Island

This well is drilled into a Sand and Gravel aquifer, to a depth of 34m and has a period of record from July 01 1993 to August 01 2006

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: −0.13m/year
- Significance: 0.059
- State: Stable
Observation Well #327 - Galiano Island (Community School)

This well is drilled into a Bedrock aquifer, to a depth of 30m and has a period of record from April 01 1995 to October 01 2013.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.0055m/year  Significance: 0.649  State: Stable
Observation Well #329 - Ucluelet (Hwys Yard)

This well is drilled into a Sand and Gravel aquifer, to a depth of 18m and has a period of record from September 01 1995 to March 01 2014

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: +0.0049m/year
- Significance: 0.780
- State: Stable
Observation Well #330 - Cassidy (Nanaimo River At Harmac)

This well is drilled into a Sand and Gravel aquifer, to a depth of 24m and has a period of record from June 01 1996 to October 01 2007

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: −0.16m/year  Significance: 0.276  State: Stable
Observation Well #331 - Bowser (Deep Bay South)

This well is drilled into a Sand and Gravel aquifer, to a depth of 21m and has a period of record from April 01, 1996 to November 01, 2007.

Mean difference from yearly average GWL (m)

Range of 90% of water levels
Deviation from yearly average

Monthly groundwater level deviation

Trend: −0.026m/year        Significance: 0.350        State: Stable

Groundwater levels and long-term trend

Groundwater Level    Interpolated (missing) values    Long-term trend

Trend: −0.026m/year    Significance: 0.350    State: Stable
Observation Well #337 - Ladysmith (Woodley Range)

This well is drilled into a Bedrock aquifer, to a depth of 253m and has a period of record from June 01 1999 to November 01 2011.
Observation Well #338 - Central Saanich (Seabrook Rd.)

This well is drilled into a Bedrock aquifer, to a depth of 213m and has a period of record from October 01 1998 to October 01 2013.

Mean difference from yearly average GWL (m)

Range of 90% of water levels
Deviation from yearly average

Monthly groundwater level deviation

Trend: −0.036m/year        Significance: 0.048        State: Moderate rate of decline

Groundwater levels and long-term trend

Depth below ground (m)
Groundwater Level
Long-term trend

Depth below ground (m)

Date
Observation Well #340 - Lantzville (Valmar Road)

This well is drilled into a Sand and Gravel aquifer, to a depth of 66m and has a period of record from June 01 1999 to December 01 2013.
Observation Well #351 - Comox (Greenwood Rd.)

This well is drilled into an unknown aquifer, to a depth of 24m and has a period of record from November 01 2001 to February 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Trend: +0.023m/year
- Significance: 0.583
- State: Stable
Observation Well #345 - Cobble Hill (Arbutus Ridge)

This well is drilled into a Sand and Gravel aquifer, to a depth of 87m and has a period of record from December 01 1999 to February 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long–term trend

- Groundwater Level
- Interpolated (missing) values
- Long–term trend

Trend: −0.058m/year
Significance: 1.000
State: Stable
Observation Well #343 - Central Saanich (Mt Newton X Road)

This well is drilled into a Bedrock aquifer, to a depth of 152m and has a period of record from April 01 1998 to March 01 2014.

Monthly groundwater level deviation

- Range of 90% of water levels
- Deviation from yearly average

Groundwater levels and long-term trend

- Groundwater Level
- Interpolated (missing) values
- Long-term trend

Trend: +0.085m/year  Significance: 0.065  State: Stable