

1. Requirements for well construction are found in Part 3, Division 3 of the *Water Sustainability Act* and Part 10 and Schedule 3 of the Ground Water Protection Regulation. The Act and regulation are available at: http://www.bclaws.ca/civix/document/id/complete/statreg/39_2016

2. The classes and sub-classes of wells are shown below:

Class	Sub-class (if applicable)
Water supply	Domestic; Non-domestic
Monitoring	Temporary; Permanent Recharge or Injection
Dewatering or drainage	Temporary; Permanent
Remediation	Temporary; Permanent
Geotechnical	Borehole; Test pit; Special type of hole; Closed loop geothermal

Person Responsible for Work

3. Fill in the name of the registered driller who constructed the well.

If the person responsible is not the same person who completed the work, fill in the name of the person who completed the work.

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4. Fill in the registration number on the Well Driller identification card. If the work was completed by a driller who is not registered as a Well Driller, the Well Driller who is directly supervising the work should fill in their registration number on their Well Driller identification card. The Well Driller signs the form.

5. Well reports submitted to the Deputy Comptroller, or retained by the person responsible, as required under the *Water Sustainability Act* and the Ground Water Protection Regulation, shall be considered part of the Provincial Government records and is subject to the *Freedom of Information and Protection of Privacy Act*.

Well Location

6. A minimum of one of the well location descriptors must be completed (e.g., Address OR Legal OR PID) plus the description of the well location.

7. The current Ministry standard datum for mapping and geodetic use is the North American Datum of 1983 (NAD 83). To determine GPS coordinates using a Global Positioning System (GPS), set the datum to NAD 83.

8. For latitude and longitude coordinates, provide coordinates either in degree, minutes and seconds (e.g., 50° 2' 21.037") or decimal degrees (e.g., 50.039175°).

9. For the method of determining ground elevation, enter: GPS, differential GPS, level, altimeter, 1:50,000 map, 1:20,000 map, 1:10,000 map or 1:5,000 map.

How to Fill Out the Lithologic Description Table

10. Each row in the lithologic description table represents either a depth interval or depth in the well.

11. A row could represent a depth interval (e.g., from 0 feet to 12 feet), such as for a geologic stratum or a specific depth (e.g., 120 feet), such as for a depth location of a water-bearing fracture.

12. For each depth interval, enter the description of the geological materials encountered during drilling in the column "Material Description."

Material descriptions should be chosen from the following recommended list of materials:

6 X U I L F L D O P D W H U L D O	conglomerate
boulders (greater than 10 inches)	sandstone
cobbles (2-5 inches to 10 inches)	shale
gravel (80 slot to 2-5 inches)	siltstone
coarse sand (25 slot to 80 slot)	limestone
medium sand (10 slot to 25 slot)	crystalline
fine sand (2 slot to 10 slot)	granite
silt (less than 2 slot)	basalt
clay (much less than 2 slot)	volcanic
till (variable particle size)	bedrock
organics (e.g., top soil, wood, peat)	

13. In describing the material, list the material in order from the greatest to least and indicate what materials occur in trace (less than 5%) amounts. The word "and" means both materials occur in approximately equal amounts (e.g., "gravel and coarse sand, trace silt").

14. For each depth interval, indicate with a check mark (✓) or X the moisture, colour, and hardness. Only make one selection for each class.

15. If a water-bearing fracture is encountered, the depth of the fracture the estimated flow of water in the fracture should be recorded in the Observations column.

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16. "Casing Material / Open hole" includes cement, plastic, steel, other, open hole, or casing pulled. If a surface seal is required, details of the casing used to create the annular space for the surface seal can be entered in the first row of the table. Enter the depth interval, casing diameter, and record "casing pulled" under "Casing Material / Open hole".

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17. "Type" includes riser pipe, K-packer, screen, screen blank, or tail pipe.

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18. Filter Pack Material:

- Very coarse sand
- Very fine sand
- Fine gravel
- Other: _____

Filter Pack Material Size:

- 1020 sand
- 40 sand
- 1.0-2.0 m
- 2.0-40 m
- 4.0-8.0 m
- Other: _____
- Pea gravel

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- aslabove sea level
- bglbelow ground level
- btocbelow top of casing
- DiaDiameter
- D.L.District Lot
- ft.....feet
- hrshours
- ininches
- NAD 83North American Datum (1983)
- PIDParcel Identifier
- RgRange
- SecSection
- SWLstatic water level
- TwpTownship
- USgpmUS gallons per minute
- UTMUniversal Transverse Mercator Grid

This information is collected by the Ministry of Environment and Climate Change Strategy under section 26 (c) of the Freedom of Information and Protection of Privacy Act.

Information, including personal information, will be used to determine well location and confirm that the construction, alteration, or decommission of a well has been done in accordance with the *Water Sustainability Act* (WSA) and *Groundwater Protection Regulation* (GWPR). Well reports submitted to the Comptroller, or retained by the person responsible, as required under Sec 57 the WSA and Part 10 of the GWPR, shall be considered part of the Provincial Government records. Documents or images included as part of submission and that contain personal information not covered under this legislation will be deleted.

Should you have any questions about the collection or use of this information, please contact the Groundwater Data Specialist, phone: 236-478-0448, email: groundwater@gov.bc.ca.

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