



Soft Grids Canada

Geosciences done right

Some of the digital services for hydro geological reports that we offer for the **Tables** that may go into your hydro geological reports are

1. Summary of monitoring well data showing monitor number, monitor type, date installed, diameter(mm), stickup(m), screened interval depth(m), ground elevation(mASL), casing elevation(mASL), screened geological material(example fine sand, medium coarse sand etc) with other details about monitor and screen material type in notes
2. Ground water level data showing monitor number, monitor type, ground elevation (mASL), casing elevation(mASL), ground water elevation (mASL) readings for various months
3. Summary of hydraulic conductivity showing geological material. For example for glaciolacustrine sub categories of geological material could be fill/peat, silty fine sand or as applicable, insitu measurement of hydraulic conductivity(m/s) for each monitor installed in the geological material (sub category), Hydraulic conductivity(m/s) measured by grain size estimate, range of hydraulic conductivity, geometric mean of hydraulic conductivity(m/s)
4. Water quality objectives and laboratory detection limits showing chemical parameters, drinking water objectives(mg/L), provincial water quality objectives(mg/L) or objectives of the country / state as applicable, detection limits(mg/L)
5. Summary of ground water quality, water table monitors and lechate spring(if applicable) showing chemical parameters, results(mg/L for all parameters except conductance, pH, and turbidity) from monitoring wells at different locations (back ground, main refuse etc)
6. Summary of ground water quality for domestic dug wells showing chemical parameters and results for the dug wells
7. Summary of ground water quality piezometers showing chemical parameters and results for overburden, bed rock as applicable at various locations
8. Summary of surface water quality showing chemical parameter, results for different times
9. Monitor details showing monitor number, zone (WT, INT, BR), date drilled, screened interval(m), stickup(m), drilled depth(m), Elevation(mASL) for ground, Elevation(mASL) for casing, screened geological material
10. Summary of hydraulic conductivity values showing geological material description, insitu



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measurement of K for different monitors, Hydraulic conductivity(m/s) measured by grain size estimate, geometric mean of K

11. Ground water sampling events for VOC s showing monitor numbers, zone (WT, INT, BR), sampling dates (months), Total sampling events

12. Ground water sampling events for metals showing monitor number, zone, sampling dates, total events

13. Means and ranges of selected indicator parameters showing monitor number, Number of samples collected / analyzed, mean value and range for each selected indicator parameter such as nitrate, sulphate, sodium, barium, boron or as applicable

14. Means and ranges of selected indicator parameters showing monitor number, Number of samples collected / analyzed, mean value and range for each selected indicator parameter such as alkalinity, TDS, chloride, iron, manganese

15. Calculation of reasonable use values showing parameters under 13,14; type such as AO, OG, MAC; constant used, back ground concentration (mg/L), ODWO (mg/L) or other provincial / state drinking water standards, RU formula as per MOE 1986 or as followed by your state / provincial / country standards

16. Summary of VOC results showing parameter (benzene, chlorobenzene, dichloro benzene, 1, 4-dichlorobenzene, 1,2-dichlorobenzene, ethylbenzene, tetrachloroethylene, toluene, xylenes or as applicable), values for type of standard (ODWO, PWQO, MAC, AO, AWQC or as applicable), results for different periods

17. Summary of proposed monitoring program showing type(ground water, surface water), general chemistry(major anions, cations and metal scan) requirement for monitor numbers during spring, fall; VOC s requirement for monitor numbers during spring, fall; pesticides requirement for monitor numbers during spring, fall; water levels requirement for monitor numbers during spring, fall

Note: For any of the above mentioned or related services, please e-mail ven@softgridscanada.com . One of our specialists will see you at your office to understand more about your needs within 3 business days for GTA clients.