

## Appendix 5 of the Regional Plan for Discharges to Land

### Site Investigations for On-site Sewage Treatment and Disposal

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#### Site investigations must:

- (a) be undertaken by suitably qualified and experienced people;
- (b) be fully documented (an example of appropriate documentation is provided in Appendix E of "On-site Wastewater Disposal from Households and Institutions" (Auckland Regional Council, 1994));
- (c) include the following matters:

#### (1) Groundwater Information

Map 1 of this Plan shows general information on the vulnerability of groundwater in the Wellington Region. The Regional Council should be contacted for more detailed information on groundwater. If information is lacking and a large development is proposed, additional investigations may be required.

The following factors are relevant:

- (a) depth to groundwater, and seasonal variation of the water table;
- (b) direction and rate of flow of saturated groundwater.

#### (2) Soil Information

The following factors are relevant:

- (a) depth to gravels;
- (b) texture - amount of sand, silt and clay;
- (c) infiltration and drainage characteristics - a percolation test may be used;
- (d) soil variability within the site.

#### (3) Other Site Information

The following factors are relevant:

- (a) topography, slope, and slope stability;
- (b) rainfall and susceptibility of site to temporary flooding and ground saturation during rain;
- (c) evapotranspiration potential (exposure to sun and wind);
- (d) proximity to water bodies and drainage flow paths for surface runoff;
- (e) site vegetation;
- (f) location of bores, structures, paved areas and site boundaries;
- (g) section size and shape, and the availability and location of potential disposal areas;
- (h) water supply source;
- (i) surrounding land uses;
- (j) other local experience with on-site sewage treatment and disposal.

More information about site investigations is in "On-site Wastewater Disposal from Households and Institutions" (Auckland Regional Council, 1994).