Earth material characteristics

Table 1. *Earth material characteristics*

Mapunit	Material	Thickness	Permeability	Erodability	Stability	Aquifer potential	Water quality	pH buffering potential	Aggregate potential	Morphology
Peat deposits	Peat	1–3 m	Low to high	Low	Low	Low	Low	Low	nil	Flat
River sediments	Sand, gravel, silt	2–10 m	High	Variable	Medium	Medium	Medium to high	Low	Medium to high	Flat (floodplain, terrace)
Landslide debris	Diamicton, rubble, silt	1–5 m	Medium	Low to high	Low	Low	na	Low	Low	Hummocky
Slope sediments	Diamicton, sand, gravel	1–5 m	Medium	Variable	Medium	Low	na	Low	Variable	Inclined, rolling
Glacial lake sediments	Silt, clayey silt, fine sand	1–30 m	Low to medium	High	Low	Low to moderate	High	Medium	Low	Flat, rolling, gullied
Glacial river sediments	Sand, gravel	1–10 m	High	Medium	Medium	High	High	Low	High	Flat, hummocky
Glacial till	Diamicton	1–10 m	Low	Low	High	Low	na	Low, except in northeast	Low	Rolling
Sedimentary rocks	Sandstone	na	Low	Low	High	Low	na	Low	Low	Hilly, mountainous
Limestone	Limestone, dolostone	na	Medium	Low	High	Medium	Medium	High	Medium	Hilly, mountainous
Felsic volcanic rocks	Rhyolite, dacite	na	Low	Low	High	Low	na	Low	Rhyolite medium	Hilly
Mafic volcanic rocks	Basalt	na	Low	Low	High	Low	na	Low	High	Hilly, mountainous
Felsic plutonic rocks	Granite, diorite	na	Low	Low	High	Low	na	Low	Low	Hilly, mountainous
Mafic plutonic rocks	Gabbro, ultramafite	na	Low	Low	High	Low	na	Low	Ultramafic moderate	Hilly, mountainous

na - not applicable