

MhB -- Mahoning silt loam, shale substratum, 1 to 6 percent slopes

THIS IS A HIGH WATER TABLE SOIL

This deep, nearly level and gently sloping, somewhat poorly drained soil is in relatively flat areas between drainage ways and in gently sloping areas near the heads of drainage ways. Areas are variable in size but commonly range from 10 to 100 acres. Mahoning silt loam (shale substratum), at 1-6% slope, comprises approximately 5,541.3 acres of land within Lake County.

A perched seasonal high water table is at a depth of 6 to 18 inches during winter, spring, and other extended wet periods. Permeability is slow. Runoff is slow or medium. Depth to rippable bedrock ranges from 40 to 60 inches. This soil warms and dries slowly in spring, even if it is artificially drained. Rooting depth is influenced by the water table. In spring, the rooting zone is mainly the upper 15 to 20 inches of the soil. It is moderately deep over glacial till. Available water capacity is moderately low. The surface layer is very strongly acid to neutral, and the subsoil is very strongly acid to mildly alkaline. This soil type is a USDA prime soil.

Seasonal wetness, slow permeability, and bedrock at a depth of 40 to 60 inches severely limit the use of this soil for most building sites and sanitary facilities. Building sites should be landscaped to provide good surface drainage away from the foundation. Sanitary facilities should be connected to commercial sewers wherever possible. Local roads can be improved by using artificial drainage and suitable base material. This soil can support a good turf for lawns, but the turf is easily damaged when the soil is soft.

CHARACTERISTIC/USES	LIMITATIONS
Dwellings without basements	Severe: wetness , low strength
Dwellings with basements	Severe: wetness, low strength
Local roads and streets	Severe: low strength, wetness
Septic tank absorption fields	Severe: wetness, percs slowly, depth to rock
Flooding frequency	None
High water table	Perched - Nov. thru June at depths of 0.5 - 1.5 feet
Bedrock depth	40 to 60 inches