

SOIL SERIES DESCRIPTION

Earlmont silt loam

Mapping Symbol: Ea

The Earlmont series is made up of somewhat poorly drained soils that formed in diatomaceous material at elevations of 40 feet. Slopes are less than 1%. The annual precipitation is 45 to 50 inches and the mean annual temperature is about 50 degrees F. The frost-free season is about 200 days.

Typical Profile:

Depth from Surface:

0 to 9 Inches: Dark grayish brown silt loam

9 to 46 Inches: Grayish brown, light brownish gray, and brown silt loam
and silty clay loam

46 to 60 Inches: Very fine sandy loam, muck and diatomite

Permeability:

Moderate

Rooting Depth:

60 inches+ if drained, restricted by water if not

Depth to Seasonal High Water Table:

2 to 3 feet

Available Water Holding Capacity:

High

Runoff Potential:

Slow

Erosion and Slippage Hazard:

Slight

Flooding Potential:

Subject to flooding

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Use and Management:

Primary uses are for pasture and row crops

Pasture forage yields are 5.0 tons/acre/year in drained Earlmont soils and 2.0 tons/acre/year in undrained Earlmont soils with good management.

Douglas-fir, Western Red Cedar, Western Hemlock, Red Alder, Bigleaf Maple, Willow, and Sitka Spruce are important tree species. These soils have severe limitations on equipment use for site preparation and timber harvest.

These soils have severe limitations on recreational and engineering uses due to their seasonal high water table and flood potential.