

SOIL SERIES DESCRIPTION

Woodinville silt loam

Mapping Symbol: Wo

The Woodinville series consists of nearly level and gently undulating poorly drained soils that formed in alluvium under grasses and sedges in stream valleys. Slopes are 0 to 2%, annual precipitation is 35 to 55 inches, and the frost-free season is about 190 days. Elevation ranges from sea level to 85 feet.

Typical Profile:

Depth from Surface:

0 to 38 Inches: Gray silty clay loam

38 to 60 Inches: Greenish-gray silt loam

Permeability:

Moderately slow

Rooting Depth:

60 inches + if drained

Depth to Seasonal High Water Table:

0 to 1 foot

Available Water Holding Capacity:

High

Runoff Potential:

Slow

Erosion and Slippage Hazard:

Slight

Stream Overflow Hazard:

Severe

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Use and Management:

Primary uses are for hay, pasture, and row crops.

Pasture forage yields are 2.0 tons/acre/year if undrained and 5.0 tons/acre/year if drained.

Douglas-fir, Western Red Cedar, Western Hemlock, Red Alder, Willow, and Sitka Spruce are important tree species. These soils have severe limitations on equipment use for site preparation and timber harvest, seedling mortality, plant competition, and windthrow hazard for forestry use.

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