

SOIL SERIES DESCRIPTION

Puyallup fine sandy loam

Mapping Symbols: Py

The Puyallup series consists of well drained soils that formed in alluvium under conifers, hardwoods, and grasses at elevations from 20 feet to 500 feet. Slopes are 0 to 2%. The annual precipitation is 35 to 60 inches. The frost-free season ranges from 160 to 200 days and the mean annual air temperature is about 50 degrees F.

Typical Profile:

Depth from Surface:

0 to 34 Inches: Very dark grayish brown and dark grayish brown fine sandy loam

34 to 60 Inches: Very dark grayish brown, dark grayish brown, and dark-brown sand, loamy sand, and medium sand.

Permeability:

Moderately rapid

Rooting Depth:

60 inches +

Depth to Seasonal High Water Table:

4 to 5 feet

Available Water Holding Capacity:

Moderately high

Runoff Potential:

Slow

Erosion and Slippage Hazard:

Slight

Flooding Potential:

Slight to severe

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Use and Management:

Primary uses of this soil are for row crops and pasture.

Pasture forage yields are 3.5 tons/acre/year with good management.

Douglas-fir, Western Hemlock, Red Alder, Willow, and Sitka Spruce are important tree species. This soil is rated as having severe limitations for forestry because of seedling mortality, plant competition, and windthrow hazards, with equipment limitations also being rated as severe.

The Puyallup soil has moderate recreational and severe engineering limitations due to its flooding potential.