

SOIL SERIES DESCRIPTION

Everett gravelly sandy loam

Mapping Symbols and Slope Classes:

EvB: 0 to 5% slopes

EvC: 5 to 15% slopes

EvD: 15 to 30% slopes

The Everett series consists of somewhat excessively drained soils that are underlain by very gravelly sand. These soils formed in very gravelly glacial outwash deposits under conifers. They are found on terraces and terrace fronts and are gently undulating to moderately steep. The EvD phase of this soil tends to be located along drainageways or on short slopes between terrace benches and are stonier and more gravelly. The annual precipitation is 35 to 60 inches. The frost-free season is between 150 and 200 days.

Typical Profile:

Depth from Surface:

0 to 17 Inches: Dark brown gravelly sandy loam

17 to 32 Inches: Brown very gravelly sandy loam

32 to 60 Inches: Black and dark grayish brown very gravelly coarse sand

Permeability:

Rapid

Rooting Depth:

60 inches+

Depth to Seasonal High Water Table:

No seasonal high water table within a depth of 5 feet

Available Water Holding Capacity:

Low

Runoff Potential:

Slow to rapid depending upon slope

Erosion and Slippage Hazard:

Slight to severe depending upon slope

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Use and Management:

Primary uses of these soils are for pasture, timber, and urban development on gentler slopes and timber on the steeper slopes.

Pasture forage yields for the B and C phases are 2.0 tons/acre/year with good management. Forage production may become limited in Summer by the low water holding capacity of the soil.

Douglas-fir, Western Hemlock, Red Alder, and Bigleaf Maple are important tree species on all soil slope classes. The EvD phase has moderate limitations on equipment use for site preparation and timber harvest. Caution should be used to avoid unnecessarily disturbing the vegetation on this phase to avoid problems with erosion, runoff, and slippage.

These soils have moderate to severe limitations on certain recreational and engineering uses due to the large amount of gravel and high permeabilities in all slope phases and the steep slope in the EvD slope phase.