

SOIL SERIES DESCRIPTION

Indianola loamy fine sand

Mapping Symbols and Slope Classes:

InA: 0 to 4% slopes

InC: 4 to 15% slopes

InD: 15 to 30% slopes

The Indianola series consists of somewhat excessively drained soils that formed under conifers in sandy, recessional, stratified glacial drift. These undulating, rolling and hummocky soils are on terraces at elevations ranging from sea level to 1000 feet. The annual precipitation is 35 to 55 inches. The frost-free season is between 150 and 210 days.

Typical Profile:

Depth from Surface:

0 to 30 Inches: Brown, dark yellowish brown, and light olive brown loamy
fine sand

30 to 60 Inches: Olive 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:

Moderate

Runoff Potential:

Slow to medium 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 timber, and urban development on slopes less than 15% and for timber on the steeper slopes.

Pasture forage yields for the InA and InC are 2.5 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, Western Red Cedar, and Red Alder are important tree species on all soil slope classes. The InD phase has severe 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 most engineering uses due to their high permeabilities in all slope phases and the steep slope in the InD phase. The InA and InC have no to slight limitations for use as foundations for low buildings. Recreational limitations in the InA and InC are mainly due to the coarseness of their textures while the steepness of the InD also limits its uses.