

SOIL SERIES DESCRIPTION

Ragnar - Indianola Association, Moderately Steep

Mapping Symbols:

RdC: 2 - 15%

RdE: 15 - 25%

These associations are nearly equal parts Ragnar fine sandy loam and Indianola loamy fine sand. Slopes are 2 to 25 percent. The annual precipitation is 30 to 65 inches and the frost-free season is 150 to 210 days. Elevation ranges from about 300 to 1,000 feet.

The Ragnar series is made up of well-drained gently sloping to strongly rolling soils on dissected glacial outwash terraces. Vegetation is mostly conifers. The Indianola series is made up of somewhat excessively drained soils that formed under conifers in sandy, recessional, stratified glacial drift. These undulating, rolling, and hummocky soils are on terraces.

Typical Profile: Ragnar

Depth from Surface:

0 to 27 Inches: Very dark grayish brown to dark yellowish-brown fine sandy loam

27 to 60 Inches: Olive-brown loamy sand

Typical Profile: Indianola

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:

None within a depth of 5 feet

Available Water Holding Capacity:

Moderate

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Runoff Potential:

Moderate to severe

Erosion and Slippage Hazard:

Moderate to severe

Flooding Potential:

Slight

Use and Management:

Primary uses of this soil are for timber and urban development on slopes less than 15 percent. They are best suited for timber on slopes steeper than 15 percent.

Pasture forage yields are between 2.5 and 3.5 tons/acre/ with good management.

Douglas-fir, Western Hemlock, Western Red Cedar, and Red Alder are important tree species on the Indianola portion while Douglas-fir and Western Hemlock are important species on the Ragnar portion. These soils have moderate to severe erosion hazard limitations and should be managed accordingly.

This association has none to severe limitations for engineering purposes and moderate to severe limitations for recreational uses due to factors including degree of slope and coarseness of texture.