

## SOIL SERIES DESCRIPTION

### Ragnar fine sandy loam

**Mapping Symbols:**

**RaC: 6 - 15%**

**RaD: 15 - 30%**

This series is made up of well drained, gently sloping to strongly rolling soils on dissected glacial outwash terraces. The vegetation is mostly conifers. Slopes are 2 to 30 percent. The annual precipitation is 35 to 65 inches and the frost-free season is 150 to 210 days. Elevation ranges from about 300 to 1,000 feet.

**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

**Permeability:**

Moderately rapid in the upper part, rapid in subsoil

**Rooting Depth:**

60 inches +

**Depth to Seasonal High Water Table:**

None within a depth of 5 feet

**Available Water Holding Capacity:**

Moderately high

**Runoff Potential:**

Medium to rapid

**Erosion Hazard:**

Moderate to severe

**Ragnar series**  
**Page 2**

**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 3.0 and 3.5 tons/acre/ with good management.

Douglas-fir and Western Hemlock are important tree species. 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.