

Island County, Washington

1026—Coveland loam, prairie, 0 to 5 percent slopes

Map Unit Setting

Elevation: 0 to 200 feet

Mean annual precipitation: 20 to 25 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 200 to 240 days

Map Unit Composition

Coveland, prairie, and similar soils: 70 percent

Minor components: 30 percent

Description of Coveland, Prairie

Setting

Landform: Valleys

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Glacial drift over dense glaciomarine deposits

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: 40 to 60 inches to dense material

Drainage class: Somewhat poorly drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: About 0 to 8 inches

Frequency of flooding: None

Frequency of ponding: Frequent

Available water capacity: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): 6w

Land capability (nonirrigated): 6w

Ecological site: WET PRAIRIE - COLD PHASE (R002XN613WA)

Typical profile

0 to 4 inches: Loam

4 to 9 inches: Loam

9 to 20 inches: Sandy loam

20 to 36 inches: Silty clay loam

36 to 44 inches: Silt loam

44 to 60 inches: Silt loam

Minor Components

Coveland, prairie, drained

Percent of map unit: 10 percent

Landform: Valleys

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: WET PRAIRIE - COLD PHASE (R002XN613WA)

Coupeville, prairie

Percent of map unit: 10 percent

Landform: Valleys

Down-slope shape: Concave

Across-slope shape: Concave

Ecological site: WET PRAIRIE - COLD PHASE (R002XN613WA)

Sucia, prairie

Percent of map unit: 10 percent

Landform: Valleys

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: WET PRAIRIE - COLD PHASE (R002XN613WA)

Data Source Information

Soil Survey Area: Island County, Washington

Survey Area Data: Version 9, Aug 10, 2010