

Island County, Washington

3053—Bozarth-Ebey's complex, 0 to 12 percent slopes

Map Unit Setting

Elevation: 50 to 250 feet

Mean annual precipitation: 20 to 25 inches

Mean annual air temperature: 50 to 52 degrees F

Frost-free period: 200 to 240 days

Map Unit Composition

Bozarth and similar soils: 80 percent

Ebeys and similar soils: 20 percent

Description of Bozarth

Setting

Landform: Hillslopes

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Eolian sands over dense glaciomarine deposits

Properties and qualities

Slope: 0 to 8 percent

Depth to restrictive feature: 20 to 40 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 4 to 12 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): 4w

Land capability (nonirrigated): 4w

Ecological site: XERIC PRAIRIE (R002XN502WA)

Typical profile

0 to 10 inches: Sandy loam

10 to 16 inches: Fine sandy loam

16 to 19 inches: Fine sandy loam

19 to 23 inches: Fine sandy loam

23 to 35 inches: Sandy loam

35 to 60 inches: Silt loam

Description of Ebeys

Setting

Landform: Hillslopes

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Eolian sands over sandy glaciomarine deposits

Properties and qualities

Slope: 0 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 16 to 32 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 6.0 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 3e
Ecological site: XERIC PRAIRIE (R002XN502WA)

Typical profile

0 to 6 inches: Loam
6 to 15 inches: Loam
15 to 23 inches: Sandy loam
23 to 34 inches: Loamy sand
34 to 50 inches: Loamy sand
50 to 60 inches: Fine sand

Data Source Information

Soil Survey Area: Island County, Washington
Survey Area Data: Version 9, Aug 10, 2010