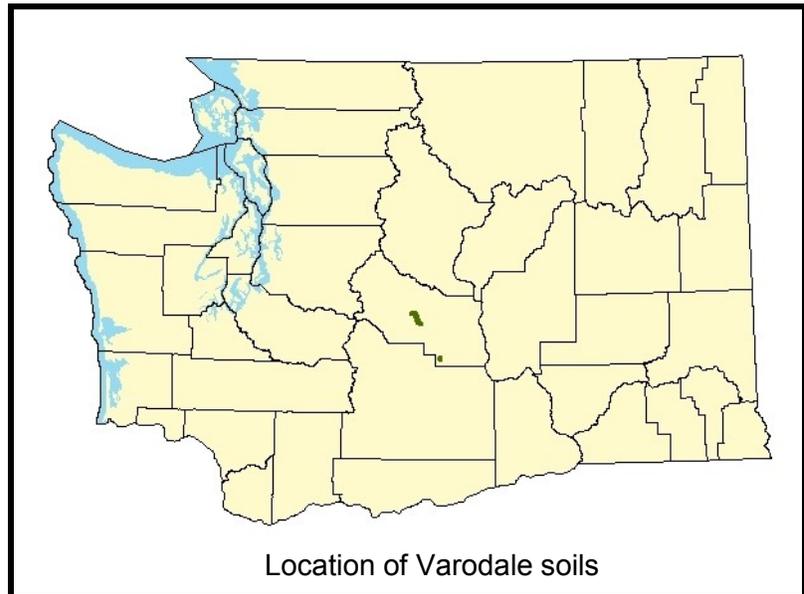
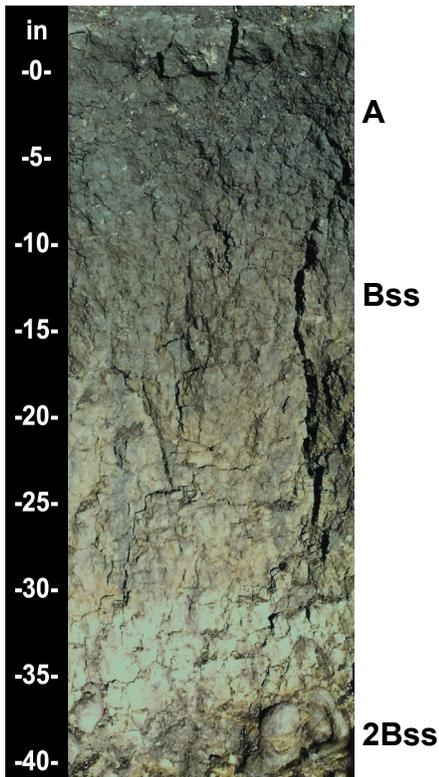


# VARODALE SERIES



Varodale soils are in the foreground from the ditch to the buildings



Location of Varodale soils

# VARODALE SERIES

## Land Resource Region B

**Parent material:** Alluvium with an influence of volcanic ash

**Extent:** Small extent

**Climate:** Average annual precipitation is about 14 inches, and average annual soil temperature is about 49 degrees F. The climate is characterized by warm, dry summers and cool, moist winters.

**Depth:** 60 or more inches

**Drainage:** Moderately well drained

**Average frost-free period:** 130 to 150 days

**Elevation:** 1,500 to 2,400 feet

**Soil order:** Vertisols - soils with large amounts of expansive clays (e.g. smectite) that form deep cracks in dry seasons of the year.

**Family classification:** Fine, smectitic, mesic Aquic Haploxerets

Varodale soils are on terraces and alluvial fans in Kittitas County, Washington.

**Uses:** Irrigated crop production and livestock grazing.

Irrigated and cultivated areas are used to produce hay, oats, wheat, corn, and peas. Natural vegetation includes grasses and forbs.

**Management considerations:** High amounts of clay that shrink and swell when wetted and dried limits management opportunities. An irrigation induced water table is present during the irrigation season which limits some management practices.

The official soil series description is online at:

[https://soilseries.sc.egov.usda.gov/OSD\\_Docs/V/VARODALE.html](https://soilseries.sc.egov.usda.gov/OSD_Docs/V/VARODALE.html)