

# FREEMAN SERIES



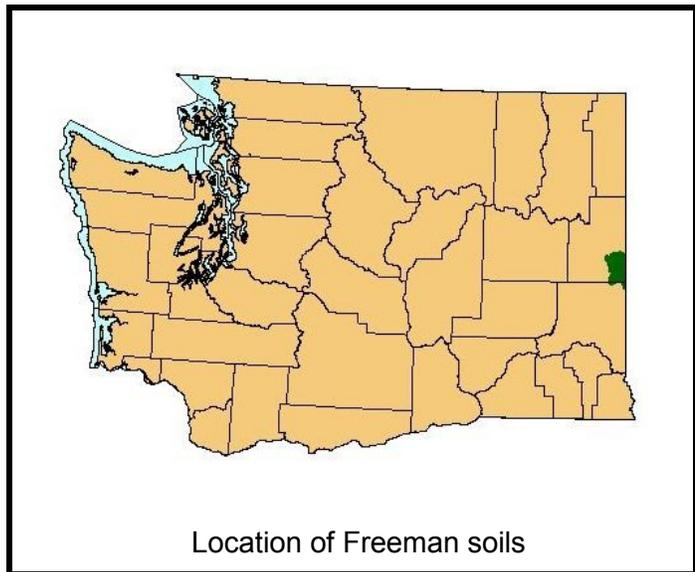
Freeman soils are on gentle slopes in convex positions



A

Bt

2Bt



# FREEMAN SERIES

## Land Resource Region B

**Parent material:** Wind-blown silt (loess) of different ages with small amounts of volcanic ash mixed into the surface

**Extent:** Moderately extensive

**Climate:** Average annual precipitation is about 23 inches, and average annual soil temperature is about 46 degrees F. The climate is characterized by warm, dry summers and cool, wet winters

**Depth:** 60 inches or more

**Drainage:** Moderately well drained

**Average frost-free period:** 100 to 130 days

**Elevation:** 2,400 to 2,800 feet

**Soil Order:** Alfisols - strongly weathered soils with zones of clay accumulation

**Family classification:** Fine-silty, mixed, superactive, mesic Aquandic Palexeralfs

Freeman soils are on undulating to rolling hills in Spokane County, Washington, and they may also be in northern Idaho.

**Uses:** Crop production and livestock grazing. Cultivated areas are used to produce small grains, alfalfa, and grass. Natural vegetation is ponderosa pine and scattered Douglas-fir with grasses and shrubs, but most areas have been cleared.

**Management considerations:** A seasonal perched high water table occurs at 15 to 20 inches below the surface from January through April in most years. Clay in the Freeman soils shrink and swell when wetted and dried which limits management..

Laboratory data are available at: Spokane County, Washington SOI-WA-063-002; NSSL, Lincoln, NE. Pedon number is 02N0113.

The official soil series description is online at:

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