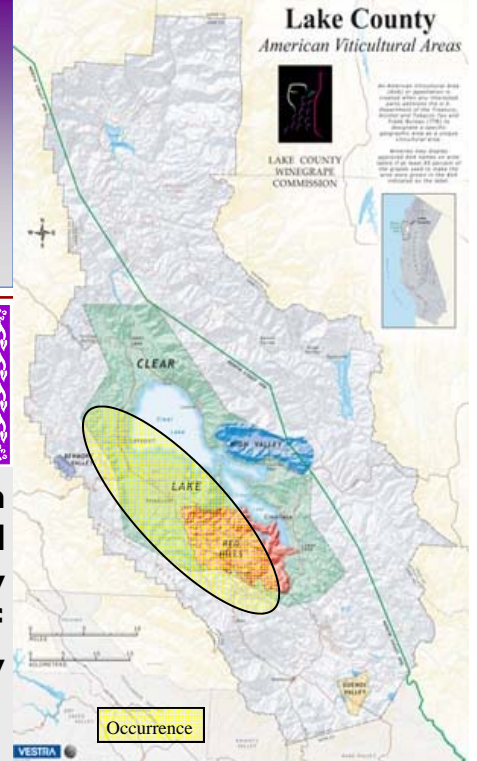


# Lake County Winegrape Growers



## Lake County, California Soils Still



*“...may it be that the land chooses the crop, not otherwise.”  
- anonymous*

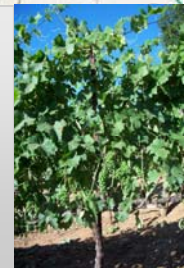
Still soils are very deep soils formed in alluvium from mixed sources, including obsidian, under grass, forb and oak woodland cover. They are permeable soils of varied fertility on gently sloping alluvial plains.



### Still loam, stratified substratum, profile\*:

- 0 - 1.5 ft: very dark gray loam and sandy loam
- 1.5 - 3.5 ft: dark grayish brown loamy sand
- 3.5 - 4 ft: dark grayish brown very gravelly sand
- > 4 ft: dark grayish brown sand

\* this profile has more sand than typical



### Fitness for Use in Vineyards:

- Nutrient Cycling: Organic amendments and cover crops improve nutrient supply and tilth. Nutrient applications should ensure delivery to the root zone.
- Water Relations: Roots may tend to concentrate in the upper 1.5' of the profile. The onset of plant water deficits may be more rapid in this coarse-textured soil, requiring close monitoring.
- Management Considerations: Rapid drying and a wider flux in soil temperatures will accelerate organic matter decomposition, root pruning, and turnover.

Still loam, stratified substratum soils, Holdenreid Vineyard, Kelseyville, California. The scale is in feet.

### Soil Climate and Geography:

Mean annual precipitation: 25 to 34 inches  
Frost-free days: 150 to 205 days  
Elevation Range: 1,000' to 2,000'  
Slope Range: from 0 to 2%  
Slope Direction: this unit is on flat ground



### Still Soil Properties of Interest:

Available water-holding capacity: about 6 inches (0-5 ft)  
Drainage class: well/moderately well drained  
Permeability class: moderately rapid permeability  
Clay range in profile: 21 - 2%, decreasing with depth  
Sand range in profile: 45 - 90%, increasing with depth  
Coarse fragment range: 5 - 65%, occurs in stratified layers  
Soil pH range: pH 6.2 in upper part, pH 7 in lower part