

Talmage

Talmage soils are very deep soils formed in young, mixed alluvium under annual grasses. They are very permeable soils of poor native fertility found on flat alluvial fans and river terraces across Mendocino County.



Typical Profile:

0-1 ft.: very dark grayish brown gravelly sandy loam

1-2 ft.: dark brown very gravelly sandy loam

2-5+ ft.: brown very gravelly, stratified sandy loams to sands

Soil Properties of Interest:

Available water-holding capacity (0 - 5 feet)	3 inches
Drainage class:	Somewhat excessively drained
Permeability class:	Moderately rapid
Clay range in profile:	15 to 7% Decreasing with depth
Sand range in profile:	45 to 80%; variable Increases with depth
Coarse fragments in profile:	Variable; from 20 to 80%, generally increases with depth
Soil pH range:	Inland: 6.1 to 7.1 Coastal: 6.0 to 4.7



Fitness for Use in Vineyards:

- **Nutrient Cycling:** Organic amendments and cover crops improve nutrient supply and soil structure. Nutrient application methods should assure retention in the root zone. Soil pH and base nutrient supply may be limiting in coastal locations.
- **Water Relations:** Soil textures are stratified and variable. A deep root distribution is desirable; roots may concentrate in the upper part. Onset of plant water deficit is rapid and requires monitoring.
- **Management Considerations:** Rapid drainage and a wide flux in soil temperatures may accelerate root turn-over and organic matter decomposition unless covered.
- **Winegrape varieties suited to the Talmage soil:**
Inland: Cabernet Sauvignon, Zinfandel, Merlot, Syrah
Coastal: Pinot noir, Pinot gris



Geography and Soil Climate:

Acres of Talmage in Mendocino County: 7,500 acres

Acres of Talmage soil under vines: over 703 acres

Annual precipitation: 32-55 inches

Frost-free days: 150 to 250 days

Elevation Range: 160' to 1,800'

Slope Range: 0 to 2%

