



SOIL MAP RESOURCES
&
USDA PROGRAMS

National Cooperative Soil Survey



United States
Department of
Agriculture



Natural
Resources
Conservation
Service

In cooperation with the
Regents of the University
of California (Agricultural
Experiment Station) and
the United States
Department of the Interior,
Bureau of Land
Management

Soil Survey of Mendocino County, California, Western Part



United States
Department of
Agriculture

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Conservation
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In cooperation with
United States Department
of Agriculture, Forest
Service; United States
Department of the
Interior, Bureau of Land
Management and Bureau
of Indian Affairs; and the
Regents of the University
of California (Agricultural
Experiment Station)

Soil Survey of Mendocino County, Eastern Part, and Trinity County, Southwestern Part, California



Data Collection



Map Units

- 123 - Feliz loam, 0 to 2 percent slopes
- 124 - Feliz loam, 2 to 5 percent slopes
- 125 - Feliz clay loam, gravelly substratum, 0 to 2 percent slopes

- 198 - Shortyork - Yorkville - Witherell complex, 9 to 15 percent slopes

- 121 - Etsel - Rock outcrop - Neuns association 30 to 75% slope

Physical and Chemical Properties

Texture

Rock Fragments

Structure

Permeability and Drainage

Water Holding Capacity

Effective Rooting Depth

pH



TABLE 15.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Soil name and map symbol	Depth	Clay	Permeability	Available water capacity	Soil reaction	Shrink-swell potential	Erosion factors		Organic matter
							K	T	
	<u>In</u>	<u>Pct</u>	<u>In/hr</u>	<u>In/in</u>	<u>pH</u>				<u>Pct</u>
173:									
Woodin-----	0-7	15-25	2.0-6.0	0.08-0.11	5.1-7.3	Low-----	0.20	2	2-4
	7-15	15-25	0.6-2.0	0.05-0.08	5.1-7.3	Low-----	0.10		
	15-23	15-25	0.6-2.0	0.04-0.07	5.1-6.5	Low-----	0.10		
	23	---	---	---	---	---	---		
Casabonne-----	0-15	15-27	0.6-2.0	0.11-0.14	5.6-6.5	Low-----	0.20	3	2-6
	15-43	27-35	0.6-2.0	0.15-0.18	5.1-6.5	Moderate-----	0.32		
	43-58	27-40	0.6-2.0	0.12-0.15	5.1-6.5	Moderate-----	0.32		
	58	---	---	---	---	---	---		
174:									
Pardaloe-----	0-10	15-25	2.0-6.0	0.09-0.12	5.6-6.5	Low-----	0.20	3	<2
	10-27	15-20	2.0-6.0	0.05-0.08	5.6-6.5	Low-----	0.05		
	27-58	15-27	0.6-2.0	0.06-0.08	5.6-6.5	Low-----	0.05		
	58	---	---	---	---	---	---		
Woodin-----	0-7	15-25	2.0-6.0	0.08-0.11	5.1-7.3	Low-----	0.20	2	2-4
	7-15	15-25	0.6-2.0	0.05-0.08	5.1-7.3	Low-----	0.10		
	15-23	15-25	0.6-2.0	0.04-0.07	5.1-6.5	Low-----	0.10		
	23	---	---	---	---	---	---		
175, 176-----	0-11	18-27	0.6-2.0	0.13-0.17	6.1-7.3	Low-----	0.32	5	1-2
Pinnobie	11-48	18-30	0.6-2.0	0.13-0.17	6.1-7.3	Moderate-----	0.32		
	48-60	18-30	0.6-2.0	0.12-0.18	6.1-7.3	Moderate-----	0.32		
177, 178, 179, 180-----	0-10	18-25	0.6-2.0	0.11-0.15	6.1-7.3	Low-----	0.20	5	1-3
Pinole	10-37	25-35	0.2-0.6	0.12-0.18	5.6-7.3	Moderate-----	0.24		
	37-61	20-30	0.2-0.6	0.11-0.16	5.6-7.3	Moderate-----	0.20		

TABLE 13.--WATER MANAGEMENT--Continued

Soil name and map symbol	Limitations for--		Features affecting--			
	Pond reservoir areas	Embankments, dikes, and levees	Drainage	Irrigation	Terraces and diversions	Grassed waterways
224: Yokayo-----	Moderate: slope.	Moderate: piping.	Deep to water	Droughty, percs slowly, slope.	Erodes easily	Erodes easily, droughty.
Pinole-----	Moderate: slope.	Slight-----	Deep to water	Slope-----	Favorable-----	Favorable.
Pinnobie-----	Moderate: seepage, slope.	Severe: piping.	Deep to water	Slope-----	Favorable-----	Favorable.
225, 226: Yorktree-----	Severe: slope.	Moderate: thin layer, hard to pack.	Deep to water	Percs slowly, slope.	Slope, percs slowly.	Slope, percs slowly.
Hopland-----	Severe: slope.	Severe: thin layer.	Deep to water	Depth to rock, slope.	Slope, depth to rock.	Slope, depth to rock.
Woodin-----	Severe: slope.	Severe: thin layer, large stones.	Deep to water	Large stones, droughty, depth to rock.	Slope, large stones, depth to rock.	Large stones, slope, droughty.

TABLE 4.--YIELDS PER ACRE OF IRRIGATED CROPS AND PASTURE



(Yields are those that can be expected under a high level of management. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil. Only the soils suited to irrigated crops and pasture are listed)

Soil name and map symbol	Wine grapes	Pears	Pasture
	<u>Tons</u>	<u>Tons</u>	<u>AUM*</u>
112----- Clear Lake	3.5	8.0	---
113----- Cole	4.6	10.8	13
114----- Cole	4.6	10.0	10
115----- Cole	4.0	10.0	10
123, 124----- Feliz	5.6	10.0	---
125----- Feliz	4.6	8.5	---
126----- Feliz	4.6	8.0	---

SOILS MAP



Legend

-  Property Boundary
-  Mendo East Soils



WEB Soil Survey

<http://websoilsurvey.nrcs.usda.gov>

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

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Area of Interest (AOI) | **Soil Map** | Soil Data Explorer | Shopping Cart (Free)

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Map Unit Legend

Mendocino County, Eastern Part and Southwestern Part of Trinity County, California (CA687)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
113	Cole loam, drained, 0 to 2 percent slopes	80.3	21.7%
115	Cole clay loam, 0 to 2 percent slopes	81.3	22.0%
128	Gielow sandy loam, 0 to 5 percent slopes	101.3	27.4%
178	Pinole gravelly loam, 2 to 8 percent slopes	22.6	6.1%
188	Russian loam, 0 to 2 percent slopes	23.2	6.3%
203	Talmage gravelly sandy loam, 0 to 2 percent slopes	59.8	16.2%

Soil Map

Scale (not to scale)

Warning: Soil Map may not be valid at this scale.
You have zoomed in beyond the scale at which the soil map for this area is intended to

Local intranet 100%

Soil Data Mart

<http://soildatamart.nrcs.usda.gov>

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Generate Reports

USDA Cost-Share Programs

Environmental Quality Incentives Program
(EQIP)

Agricultural Water Enhancement Program
(AWEP)

Organic Initiative

EQIP

Road Improvements

Riparian Improvements



AWEP



**Water Conservation in the
Russian River and Navarro**

Organic Initiative



Raptor Boxes

**Hedgerows
Nutrient Management
Integrated Pest Management
Irrigation Water Management**



Compost



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For More Information

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