

Appendix 12B Soil Map Units in the Study Area

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Table 12B-1. Soil Survey Map Unit Soil Properties

Map Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Linear Extensibility	Corrison of Concrete	Corrosion of Steel	Septic Tank Absorption Fields
Colusa County						
100	Capay clay loam, 0 to 1 percent slopes, occasionally flooded, MLRA 17	Slight	8.40	Low	High	Very Limited
102	Capay clay loam, 0 percent slopes, low precip, MLRA 17	Slight	8.00	Low	High	Very Limited
128	Mallard loam, 0 to 1 percent slopes	Slight	5.30	Low	High	Very Limited
144	Hillgate clay loam, 0 to 2 percent slopes	Slight	6.10	Low	High	Very Limited
145	Hillgate loam, 0 to 2 percent slopes, MLRA 17	Slight	5.10	Moderate	Moderate	Very limited
147	Hillgate loam, 1 to 5 percent slopes	Slight	5.30	Moderate	Moderate	Very limited
155	Alcapay clay, 0 to 1 percent slopes	Slight	7.50	Moderate	High	Very limited
200	Clear Lake clay, drained, 0 to 8 percent slopes, MLRA 15	Slight	12.20	Moderate	High	Very limited
204	Capay clay, 0 to 3 percent slopes, occasionally flooded	Slight	12.00	Low	High	Very limited
205	Capay clay, 0 to 3 percent slopes	Slight	12.00	Low	High	Very limited
206	Capay clay, 5 to 9 percent slopes	Slight	12.00	Low	High	Very limited
210	Corval loam, 0 to 3 percent slopes	Slight	4.50	Low	Moderate	Very limited
211	Corval clay loam, 0 to 3 percent slopes	Slight	4.50	Low	Moderate	Very limited
213	Ayar clay, 15 to 30 percent slopes	Moderate	6.90	Low	High	Very limited

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Map Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Linear Extensibility	Corrosion of Concrete	Corrosion of Steel	Septic Tank Absorption Fields
215	Altamont-Sehorn complex, 15 to 30 percent slopes	Moderate	6.50	Low	High	Very limited
216	Altamont-Sehorn complex, 9 to 15 percent slopes	Slight	6.50	Low	High	Very limited
218	Sehorn-Altamont complex, 30 to 50 percent slopes	Slight	6.40	Low	High	Very limited
220	Altamont silty clay, 5 to 9 percent slopes	Slight	6.50	Low	High	Very limited
221	Altamont silty clay, 9 to 15 percent slopes	Slight	6.50	Low	High	Very limited
230	Corning clay loam, 1 to 5 percent slopes	Slight	4.50	Low	Moderate	Very limited
241	Contra Costa-Altamont association, 30 to 50 percent slopes	Severe	4.30	Low	High	Very limited
255	Millsholm-Rock outcrop complex, 9 to 30 percent slopes	Moderate	0.90	Low	Low	Very limited
257	Millsholm-Capay complex, 3 to 9 percent slopes	Slight	0.90	Low	Low	Very limited
261	Millsholm-Altamont complex, 15 to 30 percent slopes	Moderate	0.90	Low	Low	Very limited
300	Contra Costa-Millsholm complex, 50 to 75 percent slopes	Severe	4.30	Low	High	Very limited
305	Contra Costa loam, 50 to 75 percent slopes	Severe	4.30	Low	High	Very limited
316	Hillgate loam, 5 to 9 percent slopes	Slight	5.30	Moderate	Moderate	Very limited
320	Millsholm loam, 0 to 30 percent slopes, MLRA 15	Slight	1.50	Low	Low	Very limited
329	Sehorn-Millsholm-Altamont complex, 15 to 30 percent slopes	Moderate	6.40	Low	High	Very limited
330	Millsholm-Contra Costa complex, 15 to 30 percent slopes	Moderate	0.90	Low	Low	Very limited

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Map Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Linear Extensibility	Corrosion of Concrete	Corrosion of Steel	Septic Tank Absorption Fields
331	Sehorn-Millsholm-Rock outcrop complex, 30 to 50 percent slopes	Moderate	6.40	Low	High	Very limited
332	Millsholm-Rock outcrop association, 30 to 75 percent slopes	Severe	0.90	Low	Low	Very limited
334	Millsholm-Contra Costa association, 30 to 75 percent slopes	Severe	0.90	Low	Low	Very limited
652	Water	Not Rated	Not Rated	Not Rated	Not Rated	Not Rated
Glenn County						
AaA	Altamont clay, 0 to 3 percent slopes	Slight	5.40	Low	High	Very Limited
AaC	Altamont clay, 3 to 15 percent slopes	Slight	5.40	Low	High	Very Limited
AdD	Altamont soils, 15 to 30 percent slopes	Severe	5.80	Low	High	Very Limited
AdE	Altamont soils, 30 to 65 percent slopes	Severe	5.80	Low	High	Very Limited
AfsD	Altamont-Gullied land complex, shallow, 10 to 30 percent slopes	Not Rated	3.50	Not Rated	Not Rated	Not Rated
AfsE	Altamont-Gullied land complex, shallow, 30 to 65 percent slopes	Not Rated	3.50	Not Rated	Not Rated	Not Rated
AgE	Altamont-Rocky gullied land complex, 15 to 45 percent slopes	Severe	4.50	Low	High	Very limited
AhC	Altamont-Contra Costa clays, 8 to 15 percent slopes	Moderate	5.40	Low	High	Very limited
AhD	Altamont-Contra Costa clays, 15 to 30 percent slopes	Moderate	5.40	Low	High	Very limited
AkE3	Altamont and Millsholm soils, 30 to 65 percent slopes, severely eroded	Severe	1.00	Low	Low	Very limited
AmC	Altamont-Nacimiento association, 3 to 15 percent slopes	Slight	5.40	Low	High	Very limited

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BrA	Brentwood silty clay loam, 0 to 2 percent slopes	Slight	7.50	Low	High	Very limited
Ca	Capay silty clay, 0 percent slopes, MLRA 17	Slight	8.90	Low	High	Very limited
CaA	Capay clay, 0 to 4 percent slopes, MLRA 17	Slight	8.20	Low	High	Very limited
CaB	Capay clay, 0 to 11 percent slopes, MLRA 17	Slight	8.20	Low	High	Very limited
Cb	Capay silty clay, 0 percent slopes, frequently flooded, MLRA 17	Slight	8.90	Low	High	Very limited
CeB	Columbia fine sandy loam, 2 to 8 percent slopes	Slight	1.50	Low	High	Very limited
Ck	Clear Lake clay, 0 to 1 percent slopes, MLRA 17	Slight	11.90	Moderate	High	Very limited
HgA	Hillgate loam, 0 to 2 percent slopes, MLRA 17	Slight	5.10	Moderate	Moderate	Very limited
HgB	Hillgate loam, 2 to 8 percent slopes	Moderate	4.40	Moderate	Moderate	Very limited
HI	Hillgate clay loam, 0 to 3 percent slopes	Slight	6.80	Moderate	High	Very limited
KmA	Kimball gravelly loam, 0 to 2 percent slopes	Slight	4.20	Low	Moderate	Very limited
KmB	Kimball gravelly loam, 2 to 10 percent slopes	Slight	4.20	Low	Moderate	Very limited
MmD	Millsholm rocky loam-Gullied land complex, 15 to 30 percent slopes	Moderate	1.70	Low	Low	Very limited
MmE	Millsholm rocky loam-Gullied land complex, 30 to 65 percent slopes	Severe	1.70	Low	Low	Very limited
MnD	Millsholm silt loam, 10 to 30 percent slopes, MLRA 15	Severe	2.90	Low	Moderate	Very limited
MoD	Millsholm rocky clay loam, 10 to 30 percent slopes	Moderate	2.90	Low	Moderate	Very limited

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Map Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Linear Extensibility	Corrosion of Concrete	Corrosion of Steel	Septic Tank Absorption Fields
MtD	Millsholm very rocky loam, 15 to 45 percent slopes	Severe	1.70	Low	Low	Very limited
MuE	Millsholm very rocky sandy loam, 30 to 65 percent slopes	Slight	0.80	Moderate	Low	Very limited
MzrA	Myers clay, 0 to 1 percent slopes, MLRA 17	Slight	10.30	Low	High	Very limited
MzrB	Myers clay, 3 to 10 percent slopes	Slight	7.50	Low	High	Very limited
MzxB	Myers-Gullied land complex, 3 to 10 percent slopes	Not Rated	7.50	Not Rated	Not Rated	Not Rated
MzyA	Myers clay loam, 0 to 3 percent slopes	Slight	7.50	Low	High	Very limited
MzyB	Myers clay loam, 3 to 8 percent slopes	Slight	7.50	Low	High	Very limited
NaC	Nacimiento clay, 3 to 15 percent slopes	Moderate	5.10	Low	High	Very limited
NcD	Nacimiento soils, 10 to 30 percent slopes	Moderate	5.10	Low	High	Very limited
NcE	Nacimiento soils, 30 to 50 percent slopes	Severe	5.10	Low	High	Very limited
NdE	Nacimiento-Gullied land complex, 30 to 50 percent slopes	Not Rated	4.50	Not Rated	Not Rated	Not Rated
NhC	Nacimiento-Contra Costa association, 3 to 15 percent slopes	Moderate	4.50	Low	High	Very limited
NhD	Nacimiento-Contra Costa association, 15 to 30 percent slopes	Severe	4.50	Low	High	Very limited
NhE	Nacimiento-Contra Costa association, 30 to 50 percent slopes	Severe	4.50	Low	High	Very limited
Pg	Plaza silty clay loam	Slight	4.50	Moderate	High	Very limited
Rg	Rincon silty clay loam	Slight	6.20	Low	High	Very limited
Rma	Riz silt loam, slightly saline-alkali	Slight	5.40	Moderate	High	Very limited
Rmb	Riz silt loam, moderately saline-alkali	Slight	5.40	Moderate	High	Very limited
Rnc	Riz silty clay loam, strongly saline-alkali	Slight	5.80	High	High	Very limited

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SbC	Sehorn soils, 3 to 15 percent slopes	Moderate	5.00	Low	High	Very limited
SbE	Sehorn soils, 30 to 65 percent slopes	Severe	5.00	Low	High	Very limited
Sc	Sacramento clay, 0 to 2 percent slopes, MLRA 17	Slight	12.10	Moderate	High	Very limited
ScE	Sehorn-Gullied land complex, 30 to 50 percent slopes	Not Rated	5.00	Not rated	Not Rated	Very limited
SdD	Sehorn-Millsholm association, 15 to 30 percent slopes	Moderate	6.10	Low	High	Very limited
SdE	Sehorn-Millsholm association, 30 to 65 percent slopes	Severe	6.00	Low	High	Very limited
SeD	Sehorn-Millsholm-Gullied land complex, 15 to 30 percent slopes	Moderate	6.10	Low	High	Very limited
SmD	Sehorn-Balcom complex, 2 to 15 percent slopes	Slight	5.00	Low	High	Very limited
SmE2	Sehorn-Balcom complex, 15 to 30 percent slopes, eroded	Moderate	4.80	Low	High	Very limited
Ss	Sycamore silty clay loam, 0 to 1 percent slopes, MLRA 17	Slight	4.00	Low	High	Very limited
Su	Sycamore complex	Slight	4.50	Low	High	Very limited
Sv	Sycamore complex, drained	Slight	4.50	Low	Moderate	Very limited
TaA	Tehama loam, 0 to 2 percent slopes, loamy substratum, MLRA 17	Slight	2.70	Low	Moderate	Very limited
Tb	Tyndall very fine sandy loam	Slight	1.50	Low	High	Very limited
TcB	Tehama clay loam, 2 to 10 percent slopes	Slight	4.50	Low	Moderate	Very limited
Tm	Tehama silt loam, 0 to 3 percent slopes, MLRA 17	Slight	3.70	Moderate	Moderate	Very limited

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W	Water	Slight	Not Rated	Not Rated	Not Rated	Not Rated
Wca	Willows clay, slightly saline-alkali	Slight	7.50	High	High	Very limited
Wcb	Willows clay, moderately saline-alkali	Slight	7.50	High	High	Very limited
Ya	Yolo silt loam, 0 to 2 percent slopes, MLRA 17	Slight	3.20	Low	Low	Very limited
Yd	Yolo clay loam, moderately deep over clay	Slight	5.90	Low	High	Very limited
Yh	Yolo clay loam, shallow over clay	Slight	6.50	Low	High	Very limited
Yma	Yolo clay loam, slightly saline-alkali	Slight	6.50	Moderate	High	Somewhat limited
ZbA	Zamora silty clay loam, 0 to 3 percent slopes, MLRA 17	Slight	5.70	Low	Moderate	Very limited
ZbB	Zamora silty clay loam, 2 to 8 percent slopes	Slight	4.50	Low	Moderate	Somewhat limited

Source: Natural Resources Conservation Service 2020