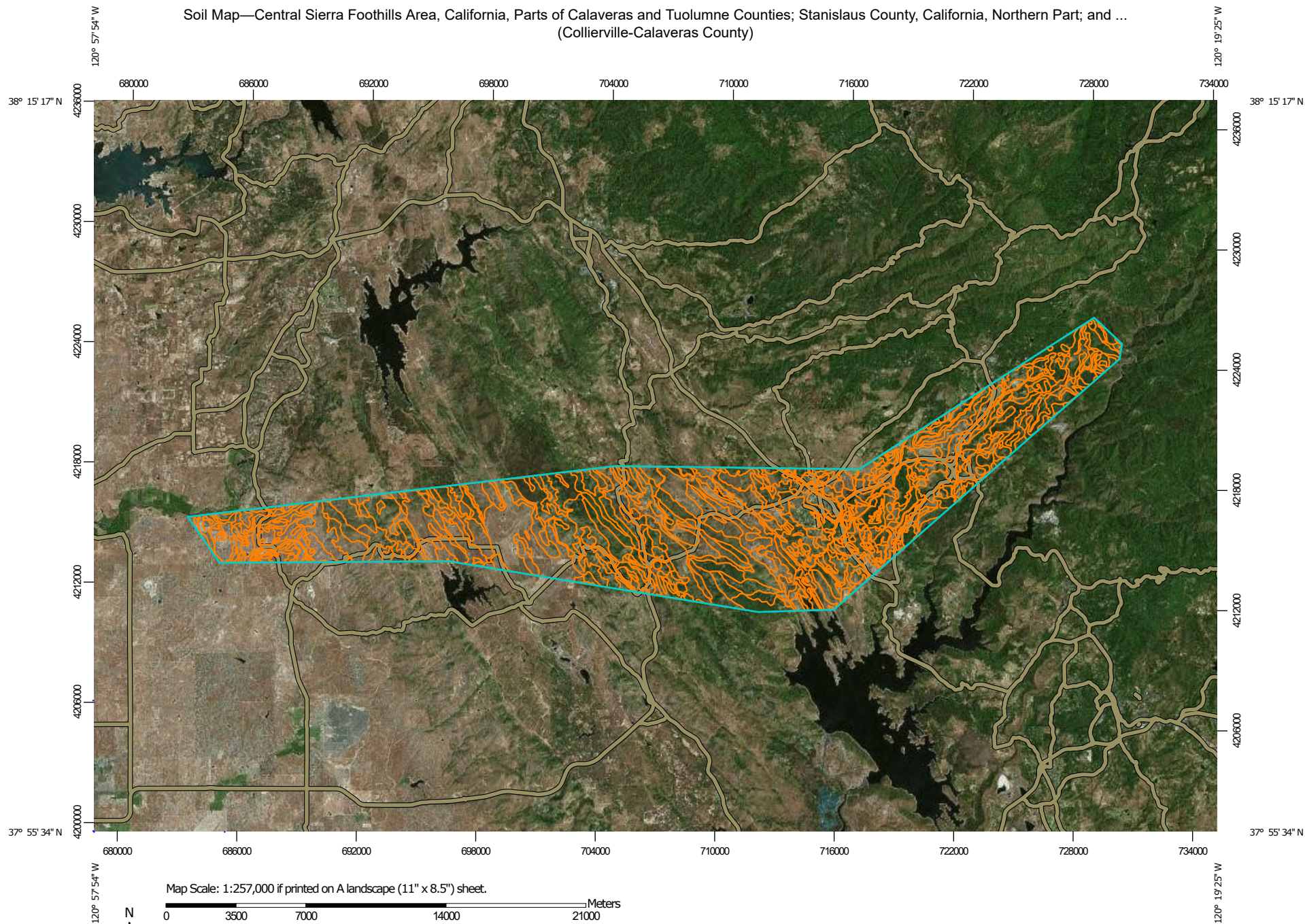
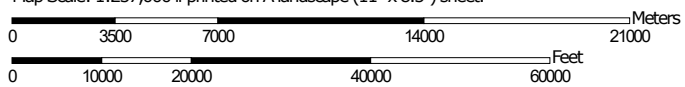


APPENDIX 4.2.2.1-3 Collierville-Calaveras County Soils Report

Soil Map—Central Sierra Foothills Area, California, Parts of Calaveras and Tuolumne Counties; Stanislaus County, California, Northern Part; and ...
(Collierville-Calaveras County)



Map Scale: 1:257,000 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

7/18/2025
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Central Sierra Foothills Area, California, Parts of Calaveras and Tuolumne Counties

Survey Area Data: Version 9, Aug 30, 2024

Soil Survey Area: Stanislaus County, California, Northern Part

Survey Area Data: Version 16, Sep 8, 2024

Soil Survey Area: Stanislaus National Forest, California, Parts

Survey Area Data: Version 17, Aug 30, 2024

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
128	Cogna loam, 0 to 2 percent slopes, overwash	10.1	0.0%
301	Archerdale-Hicksville association, 0 to 2 percent slopes	198.9	0.4%
451	Pentz-Peters association, 2 to 15 percent slopes	576.6	1.1%
475	Pentz-Peters association, 2 to 50 percent slopes	290.8	0.5%
1012	Mined Land	46.4	0.1%
1013	Mined Land-Anthraltic Xerorthents complex, 1 to 15 percent slopes	390.7	0.7%
1090	Ultic Haploxeralfs-Mollic Haploxeralfs complex, 3 to 30 percent slopes	1,344.9	2.5%
1091	Ultic Haploxeralfs-Aquic Dystroxerepts complex, 2 to 8 percent slopes	855.3	1.6%
3020	Iron Mountain-Rock outcrop complex, 3 to 15 percent slopes	94.2	0.2%
3021	Iron Mountain-Crozier-Rock outcrop complex, 15 to 60 percent slopes	352.2	0.7%
3046	Goldwall-Toomes-Rock outcrop complex, 1 to 8 percent slopes	111.7	0.2%
3058	Shawsflat-Angelscreek complex, 25 to 60 percent slopes	220.6	0.4%
4200	Inks-Angelscreek complex, 3 to 15 percent slopes	402.7	0.7%
4201	Angelscreek-Pentz complex, 15 to 30 percent slopes	855.0	1.6%
4202	Angelscreek-Pentz complex, 30 to 60 percent slopes	1,462.5	2.7%
5012	Amador sandy loam, 2 to 15 percent slopes	375.0	0.7%
5013	Miltonhills-Amador complex, 15 to 45 percent slopes	299.6	0.6%
5016	Jenny lind-Rock outcrop complex, 10 to 45 percent slopes	262.3	0.5%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5051	Fuches-Lithic Xerorthents complex, 3 to 15 percent slopes	26.4	0.0%
5053	Fuches-Lithic Xerorthents complex, 15 to 50 percent slopes	81.7	0.2%
5201	Pardee cobbly loam, 2 to 15 percent slopes	566.7	1.0%
5202	Pardee-Amador complex, 15 to 40 percent slopes	722.5	1.3%
6070	Sierra-Verjeles-Aquic Haploxeralfs complex, 0 to 8 percent slopes	30.5	0.1%
6071	Sierra-Flanly complex, 3 to 15 percent slopes	279.8	0.5%
6074	Sierra-Orose complex, 8 to 30 percent slopes	581.4	1.1%
6075	Sierra-Flanly complex, 30 to 60 percent slopes	698.7	1.3%
6078	Sierra-Flanly complex, 15 to 65 percent slopes	176.2	0.3%
7074	Loafercreek-Bonanza complex, 3 to 15 percent slopes	4,550.0	8.4%
7076	Bonanza-Loafercreek-Gopheridge complex, 15 to 30 percent slopes	1,222.5	2.3%
7078	Jasperpeak-Gopheridge complex, 30 to 60 percent slopes	400.9	0.7%
7079	Gopheridge-Loafercreek complex, 30 to 60 percent slopes	149.4	0.3%
7083	Aquic Haploxeralfs-Loafercreek-Dunstone complex, 1 to 12 percent slopes	4,150.1	7.7%
7085	Bonanza-Loafercreek complex, 3 to 15 percent slopes	1,354.3	2.5%
7086	Loafercreek-Gopheridge complex, 15 to 30 percent slopes	7,556.5	14.0%
7087	Loafercreek-Gopheridge complex, cool, 15 to 30 percent slopes	2,107.1	3.9%
7088	Loafercreek-Gopheridge complex, 30 to 60 percent slopes	4,050.1	7.5%
7089	Gardellones-Gopheridge-Motherlode complex, 30 to 60 percent slopes	1,690.7	3.1%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7155	Crimeahouse-Sixbit complex, 3 to 15 percent slopes	174.5	0.3%
7156	Crimeahouse-Sixbit complex, 15 to 30 percent slopes	159.6	0.3%
7159	Crimeahouse-Sixbit complex, 30 to 70 percent slopes	102.9	0.2%
7207	Millvilla-Copperopolis-Hetchy complex, 30 to 60 percent slopes	659.2	1.2%
7210	Deerflat-Millvilla complex, 3 to 15 percent slopes	1,241.7	2.3%
7211	Millvilla-Luckymine complex, 15 to 30 percent slopes	834.8	1.5%
7212	Wardsferry-Millvilla complex, 30 to 60 percent slopes	1,153.1	2.1%
8026	Moccasinhill-Copperopolis complex, 30 to 60 percent slopes	382.1	0.7%
8033	Copperopolis-Whiterock complex, 2 to 8 percent slopes, rocky	1,887.2	3.5%
8034	Copperopolis-Whiterock complex, 3 to 15 percent slopes, rocky	2,517.3	4.7%
8036	Copperopolis-Whiterock complex, 15 to 30 percent slopes, rocky	1,864.6	3.4%
8110	Cumulic Humixerepts-Riverwash complex, 0 to 8 percent slopes	376.2	0.7%
8111	Psammentic Haploxerolls-Mollic Fluvaquents-Riverwash complex, 0 to 8 percent slopes	18.9	0.0%
8171	Nedsgulch-Wallyhill complex, 3 to 15 percent slopes	62.4	0.1%
8172	Nedsgulch-Wallyhill-Arpatutu complex, 15 to 30 percent slopes	394.8	0.7%
8173	Nedsgulch-Wallyhill-Arpatutu complex, 30 to 60 percent slopes	781.2	1.4%
8175	Copperopolis-Hetchy complex, 8 to 30 percent slopes	111.6	0.2%
8176	Sanguinetti-Moccasinhill-Deerflat complex, 60 to 90 percent slopes, cool	85.7	0.2%
8177	Moccasinhill-Copperopolis-Sanguinetti complex, 30 to 60 percent slopes	114.4	0.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8178	Moccasinhill-Copperopolis complex, 60 to 90 percent slopes	220.3	0.4%
8194	Wallyhill, deep-Lickinfork complex, 40 to 90 percent slopes	305.2	0.6%
8302	Tiger Creek-Nedsgulch complex, 3 to 15 percent slopes	160.6	0.3%
8307	Tiger Creek-Nedsgulch complex, 15 to 50 percent slopes	10.0	0.0%
8312	Aquariusmine-Millvilla complex, 3 to 30 percent slopes	319.6	0.6%
8314	Rock outcrop-Tiger Creek-Vertic Haploxerepts complex, 1 to 45 percent slopes	99.3	0.2%
8317	Beybek-Rock outcrop complex, 3 to 30 percent slopes	37.5	0.1%
8318	Aquariusmine-Hetchy-Rock outcrop complex, 30 to 60 percent slopes	85.7	0.2%
9010	Urban land	85.6	0.2%
9015	Urban land-Loafercreek-Dunstone complex, 3 to 15 percent slopes	927.7	1.7%
9016	Urban land-Nedsgulch-Wallyhill complex, 15 to 30 percent slopes	1.6	0.0%
W	Water	292.3	0.5%
Subtotals for Soil Survey Area		54,012.7	99.9%
Totals for Area of Interest		54,076.4	100.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
301	Archerdale-Hicksville association, 0 to 2 percent slopes	7.4	0.0%
451	Pentz-Peters association, 2 to 15 percent slopes	18.2	0.0%
Subtotals for Soil Survey Area		25.6	0.0%
Totals for Area of Interest		54,076.4	100.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1012	Mined Land	0.2	0.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8178	Moccasinhill-Copperopolis complex, 60 to 90 percent slopes	0.1	0.0%
Subtotals for Soil Survey Area		0.3	0.0%
Totals for Area of Interest		54,076.4	100.0%