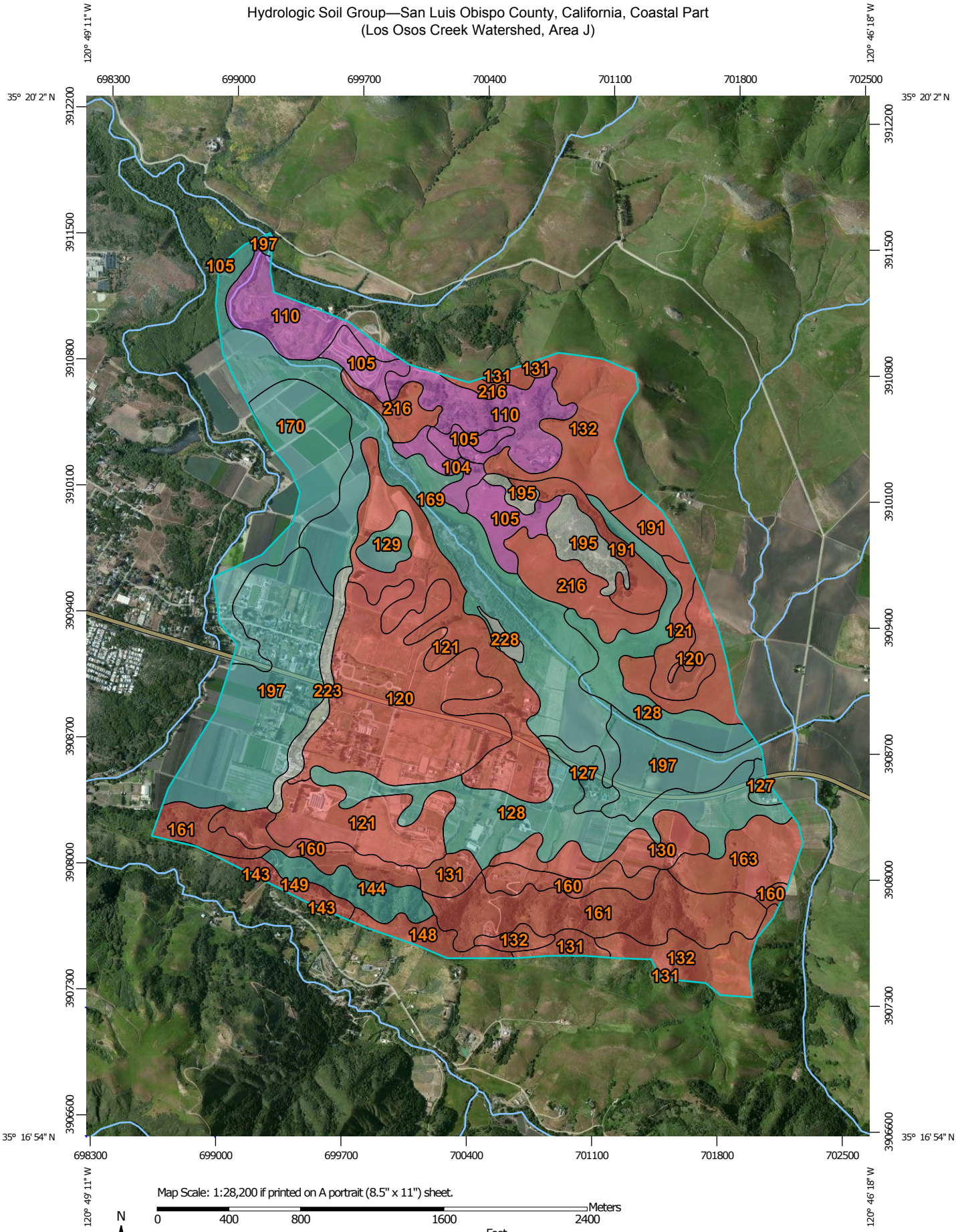
Hydrologic Soil Group—San Luis Obispo County, California, Coastal Part
(Los Osos Creek Watershed, Area J)



Map Scale: 1:28,200 if printed on A portrait (8.5" x 11") sheet.

N

0 400 800 1600 2400 Meters

0 1000 2000 4000 6000 Feet

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

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

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: http://websoilsurvey.nrcs.usda.gov
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: San Luis Obispo County, California, Coastal Part
Survey Area Data: Version 5, Dec 14, 2013

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

Date(s) aerial images were photographed: May 8, 2010—May 21, 2010

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.

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — San Luis Obispo County, California, Coastal Part (CA664)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
104	Baywood fine sand, 2 to 9 percent slopes	A	18.5	0.8%
105	Baywood fine sand, 9 to 15 percent slopes	A	59.7	2.6%
110	Briones-Tierra complex, 15 to 50 percent slopes	A	122.8	5.4%
120	Concepcion loam, 2 to 5 percent slopes	D	238.7	10.6%
121	Concepcion loam, 5 to 9 percent slopes	D	247.5	11.0%
127	Cropley clay, 0 to 2 percent slopes	C	24.9	1.1%
128	Cropley clay, 2 to 9 percent slopes	C	217.8	9.7%
129	Diablo clay, 5 to 9 percent slopes	C	15.9	0.7%
130	Diablo and Cibo clays, 9 to 15 percent slopes	D	45.7	2.0%
131	Diablo and Cibo clays, 15 to 30 percent slopes	D	32.0	1.4%
132	Diablo and Cibo clays, 30 to 50 percent slopes	D	136.4	6.1%
143	Gazos-Lodo clay loams, 15 to 30 percent slopes	C	0.9	0.0%
144	Gazos-Lodo clay loams, 30 to 50 percent slopes	C	34.6	1.5%
148	Lodo clay loam, 15 to 30 percent slopes	D	21.0	0.9%
149	Lodo clay loam, 30 to 50 percent slopes	D	16.1	0.7%
160	Los Osos loam, 15 to 30 percent slopes	D	70.6	3.1%
161	Los Osos loam, 30 to 50 percent slopes	D	140.8	6.2%
163	Los Osos-Diablo complex, 9 to 15 percent slopes	D	51.2	2.3%
169	Marimel sandy clay loam, occasionally flooded	C	238.1	10.6%

Hydrologic Soil Group— Summary by Map Unit — San Luis Obispo County, California, Coastal Part (CA664)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
170	Marimel silty clay loam, drained	C	96.1	4.3%
191	Pismo-Tierra complex, 9 to 15 percent slopes	D	50.5	2.2%
195	Rock outcrop-Lithic Haploxerolls complex, 30 to 75 percent slopes		35.4	1.6%
197	Salinas silty clay loam, 0 to 2 percent slopes	C	234.0	10.4%
216	Tierra sandy loam, 2 to 9 percent slopes	D	75.8	3.4%
223	Xerorthents, escarpment		23.5	1.0%
228	Water		5.8	0.3%
Totals for Area of Interest			**2,254.3**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: *None Specified*

Tie-break Rule: Higher