

## Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

## Report—Map Unit Description (Brief, Generated)

### Colusa County, California

**Map Unit:** 127—Mallard clay loam, 0 to 1 percent slopes

**Component:** Mallard, clay loam (85%)

The Mallard, clay loam component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on fans, valleys. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. A seasonal zone of water saturation is at 36 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. Irrigated land capability classification is 2w. This soil does not meet hydric criteria.

**Component:** Westfan, loam (7%)

Generated brief soil descriptions are created for major components. The Westfan soil is a minor component.

**Component:** Capay, clay loam (7%)

Generated brief soil descriptions are created for major components. The Capay soil is a minor component.

**Component:** Unnamed (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

**Map Unit:** 144—Hillgate clay loam, 0 to 2 percent slopes

**Component:** Hillgate, clay loam (85%)

The Hillgate, clay loam component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces, valleys. The parent material consists of alluvium. Depth to a root restrictive layer, abrupt textural change, is 19 to inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

**Component:** Capay, clay loam (10%)

Generated brief soil descriptions are created for major components. The Capay soil is a minor component.

**Component:** Arand, very gravelly sandy loam (3%)

Generated brief soil descriptions are created for major components. The Arand soil is a minor component.

**Component:** Riverwash (1%)

Generated brief soil descriptions are created for major components. The Riverwash soil is a minor component.

**Component:** Unnamed (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

**Map Unit:** 188—Westfan loam, clay substratum, 0 to 2 percent slopes

**Component:** Westfan, loam, clay substratum (80%)

The Westfan, loam, clay substratum component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on valleys, alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

**Component:** Westfan, loam (10%)

Generated brief soil descriptions are created for major components. The Westfan soil is a minor component.

**Component:** Westfan, gravelly loam (5%)

Generated brief soil descriptions are created for major components. The Westfan soil is a minor component.

**Component:** Arand, very gravelly sandy loam (2%)

Generated brief soil descriptions are created for major components. The Arand soil is a minor component.

**Component:** Mallard, clay loam (2%)

Generated brief soil descriptions are created for major components. The Mallard soil is a minor component.

**Component:** Unnamed (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

**Map Unit:** 189—Arand very gravelly sandy loam, 0 to 2 percent slopes

**Component:** Arand, very gravelly sandy loam (85%)

The Arand, very gravelly sandy loam component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on valleys, flood plains, alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 4s. This soil does not meet hydric criteria.

**Component:** Westfan, gravelly loam (10%)

Generated brief soil descriptions are created for major components. The Westfan soil is a minor component.

**Component:** Arbuckle, sandy loam (2%)

Generated brief soil descriptions are created for major components. The Arbuckle soil is a minor component.

**Component:** Riverwash (2%)

Generated brief soil descriptions are created for major components. The Riverwash soil is a minor component.

**Component:** Unnamed (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

**Map Unit:** 193—Westfan gravelly loam, 0 to 2 percent slopes

**Component:** Westfan, gravelly loam (80%)

The Westfan, gravelly loam component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans, valleys. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

**Component:** Arand, very gravelly sandy loam (5%)

Generated brief soil descriptions are created for major components. The Arand soil is a minor component.

**Component:** Westfan, loam (5%)

Generated brief soil descriptions are created for major components. The Westfan soil is a minor component.

**Component:** Westfan, loam, clay substratum (5%)

Generated brief soil descriptions are created for major components. The Westfan soil is a minor component.

**Component:** Mallard, clay loam (4%)

Generated brief soil descriptions are created for major components. The Mallard soil is a minor component.

**Component:** Unnamed (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

## Data Source Information

Soil Survey Area: Colusa County, California  
Survey Area Data: Version 11, Sep 3, 2015