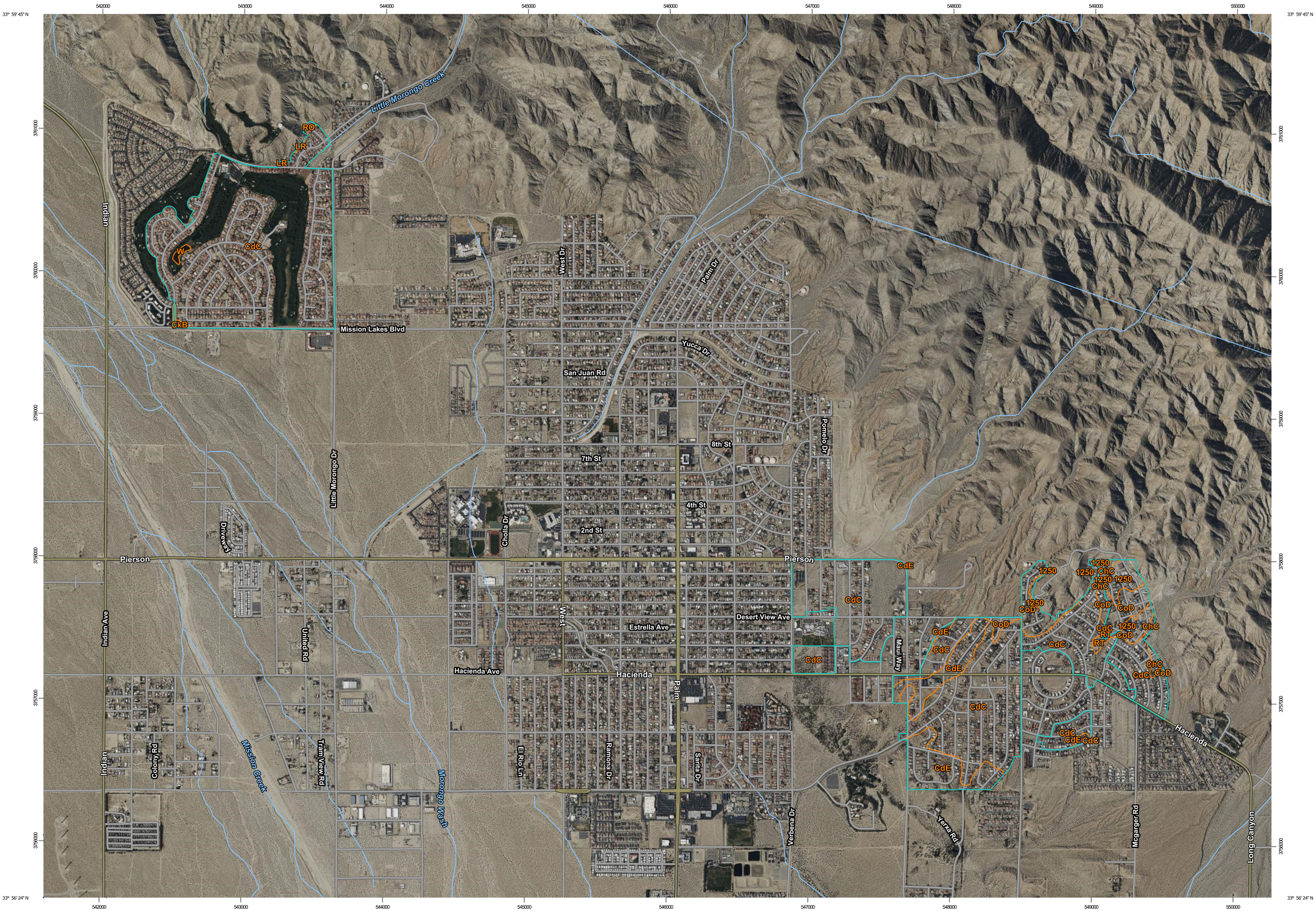
APPENDIX 4


Little Morongo Creek
RO
LR
LR
W
CdC
CkB
Indian
Mission Lakes Blvd
West Dr
Palm Dr
Yucca Dr
San Juan Rd
8th St
Pomelo Dr
7th St
4th St
2nd St
Morongo Dr
Little Morongo Creek
Driveway
Cholla Dr
Pierson
Pierson
CdE
CdC
CdC
CdC
CdE
CdC
CdE
CdC
CdC
CdE
CdC
CdC
CdE
CdC

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: Riverside County, Coachella Valley Area, California
Survey Area Data: Version 18, Sep 8, 2025

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

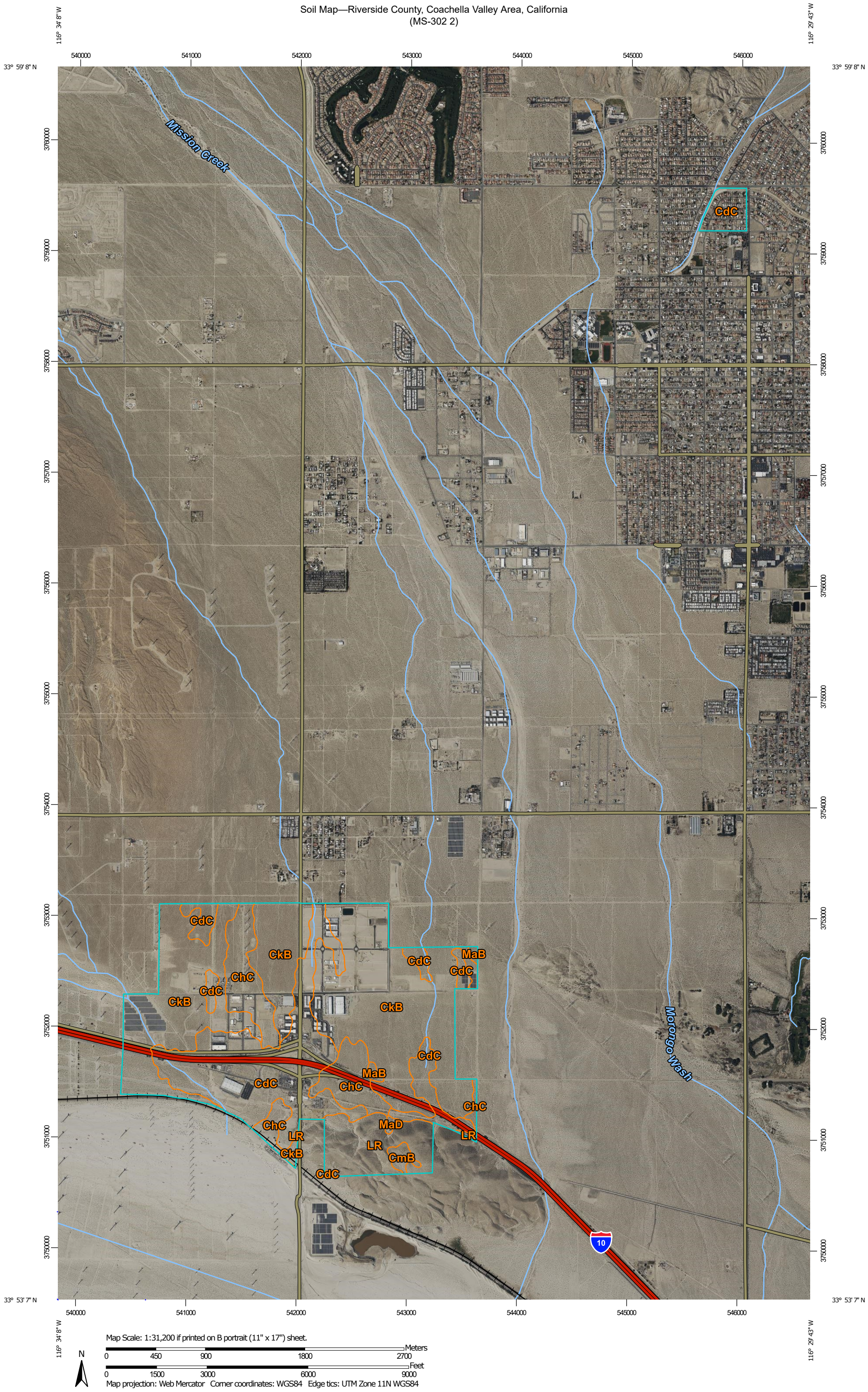
Date(s) aerial images were photographed: Mar 15, 2022—May 28, 2022

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
1250	Ironlung-Rock outcrop complex, 30 to 75 percent slopes	25.5	3.0%
CdC	Carsitas gravelly sand, 0 to 9 percent slopes	702.8	82.6%
CdE	Carsitas gravelly sand, 9 to 30 percent slopes	68.6	8.1%
ChC	Carsitas cobbly sand, 2 to 9 percent slopes	6.7	0.8%
CkB	Carsitas fine sand, 0 to 5 percent slopes	1.0	0.1%
CoD	Chuckawalla very gravelly sandy clay loam, 5 to 15 percent slopes	40.5	4.8%
LR	Lithic Torripsamments-Rock outcrop complex	0.5	0.1%
RO	Rock outcrop	0.9	0.1%
RT	Rock outcrop-Lithic Torripsamments complex	2.7	0.3%
W	Water	1.6	0.2%
Totals for Area of Interest		**850.8**	**100.0%**

Soil Map—Riverside County, Coachella Valley Area, California
(MS-302 2)



Map Scale: 1:31,200 if printed on B portrait (11" x 17") sheet.

N

Meters: 0 450 900 1800 2700

Feet: 0 1500 3000 6000 9000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

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: Riverside County, Coachella Valley Area, California
Survey Area Data: Version 18, Sep 8, 2025

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

Date(s) aerial images were photographed: Mar 15, 2022—May 28, 2022

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
CdC	Carsitas gravelly sand, 0 to 9 percent slopes	434.3	28.6%
ChC	Carsitas cobbly sand, 2 to 9 percent slopes	165.0	10.9%
CkB	Carsitas fine sand, 0 to 5 percent slopes	786.5	51.7%
CmB	Carsitas variant, 2 to 5 percent slopes	10.8	0.7%
LR	Lithic Torripsamments-Rock outcrop complex	114.4	7.5%
MaB	Myoma fine sand, 0 to 5 percent slopes	6.3	0.4%
MaD	Myoma fine sand, 5 to 15 percent slopes	3.0	0.2%
Totals for Area of Interest		**1,520.3**	**100.0%**