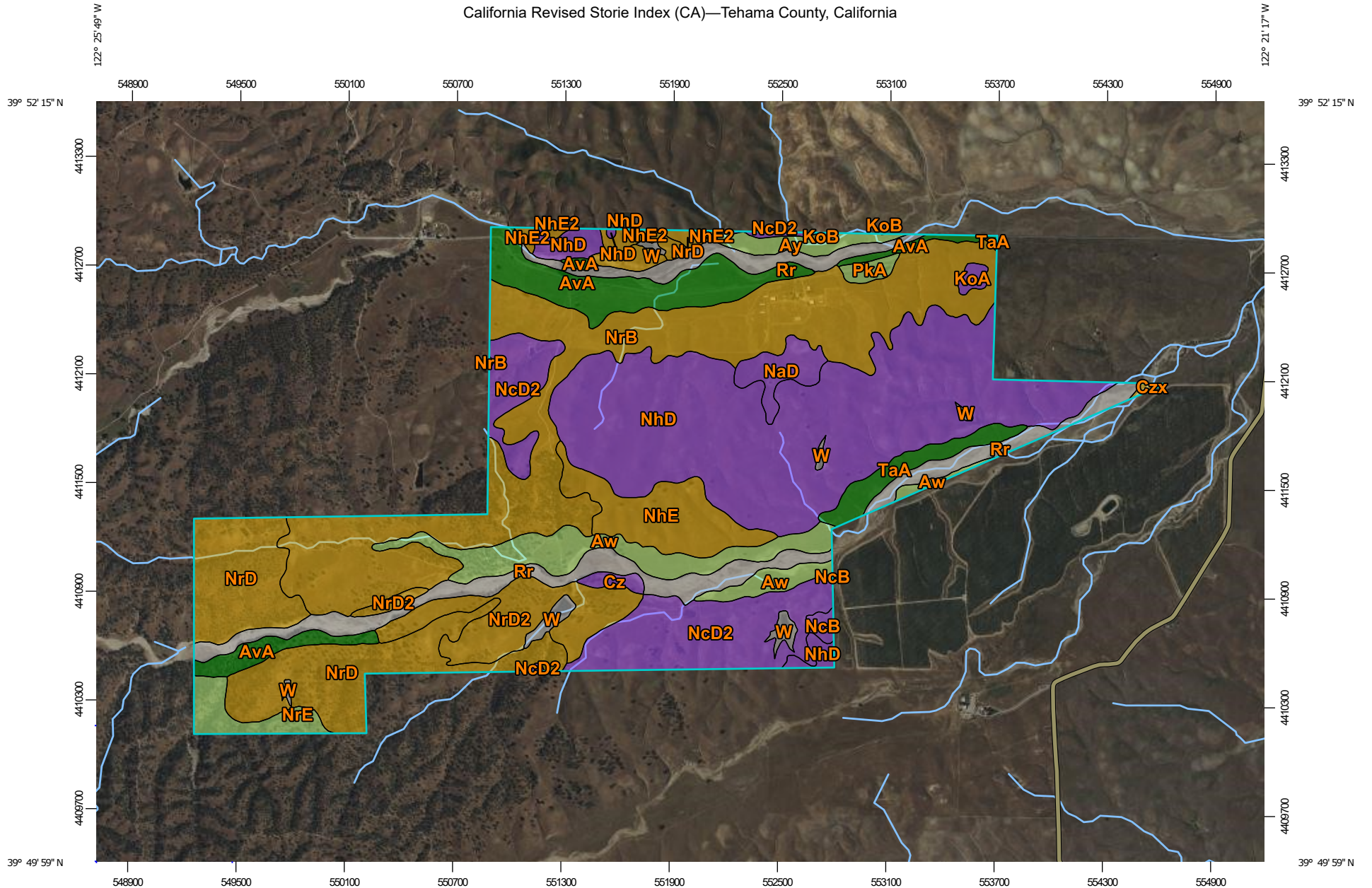
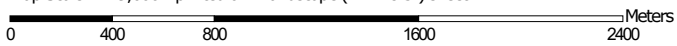


California Revised Storie Index (CA)—Tehama County, California



Map Scale: 1:29,600 if printed on A landscape (11" x 8.5") sheet.



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





-  Grade 1 - Excellent
-  Grade 2 - Good
-  Grade 3 - Fair
-  Grade 4 - Poor
-  Grade 5 - Very Poor
-  Grade 6 - Nonagricultural
-  Not rated
-  Not rated or not available

Soil Rating Lines

-  Grade 1 - Excellent
-  Grade 2 - Good
-  Grade 3 - Fair
-  Grade 4 - Poor
-  Grade 5 - Very Poor
-  Grade 6 - Nonagricultural
-  Not rated
-  Not rated or not available

Soil Rating Points






-  Grade 1 - Excellent
-  Grade 2 - Good
-  Grade 3 - Fair
-  Grade 4 - Poor

-  Grade 5 - Very Poor
-  Grade 6 - Nonagricultural
-  Not rated
-  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 1:20,000.

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: Tehama County, California
 Survey Area Data: Version 19, Aug 28, 2024

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

Date(s) aerial images were photographed: Apr 7, 2022—May 31, 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.

California Revised Storie Index (CA)

Map unit symbol	Map unit name	Rating	Component name (percent)	Acres in AOI	Percent of AOI
AvA	Arbuckle gravelly loam, 0 to 2 percent slopes, MLRA 17	Grade 1 - Excellent	Arbuckle (85%)	113.9	5.9%
Aw	Arbuckle gravelly loam, clayey substratum, 0 to 3 percent slopes	Grade 2 - Good	Arbuckle (85%)	97.1	5.0%
Ay	Arbuckle gravelly loam, clayey substratum, channeled	Grade 2 - Good	Arbuckle (85%)	19.5	1.0%
Cz	Cortina coarse sandy loam, MLRA 17	Grade 3 - Fair	Cortina (85%)	6.8	0.4%
Czx	Cortina complex	Grade 4 - Poor	Cortina (40%)	1.6	0.1%
			Cortina (30%)		
KoA	Kimball gravelly loam, 0 to 3 percent slopes	Grade 3 - Fair	Kimball (85%)	5.2	0.3%
KoB	Kimball gravelly loam, 3 to 8 percent slopes	Grade 4 - Poor	Kimball (85%)	1.2	0.1%
NaD	Nacimiento silty clay loam, 10 to 30 percent slopes	Grade 3 - Fair	Nacimiento (85%)	25.6	1.3%
NaE2	Nacimiento silty clay loam, 30 to 50 percent slopes, eroded, warm MAAT, MLRA 15	Grade 4 - Poor	Nacimiento (85%)	9.5	0.5%
NcB	Nacimiento-Altamont complex, 3 to 10 percent slopes	Grade 3 - Fair	Nacimiento (41%)	4.9	0.3%
			Altamont (39%)		
NcD2	Nacimiento-Altamont complex, 10 to 30 percent slopes, eroded	Grade 3 - Fair	Nacimiento (41%)	159.7	8.2%
			Altamont (39%)		
NhD	Nacimiento-Newville complex, 10 to 30 percent slopes	Grade 3 - Fair	Nacimiento (41%)	481.9	24.8%
NhE	Nacimiento-Newville complex,	Grade 4 - Poor	Nacimiento (41%)	73.2	3.8%

Map unit symbol	Map unit name	Rating	Component name (percent)	Acres in AOI	Percent of AOI
	30 to 50 percent slopes		Newville (39%)		
NhE2	Nacimiento-Newville complex, 30 to 50 percent slopes, eroded	Grade 4 - Poor	Nacimiento (41%) Newville (39%)	15.4	0.8%
NrB	Newville gravelly loam, 3 to 10 percent slopes	Grade 4 - Poor	Newville (85%)	411.0	21.1%
NrD	Newville gravelly loam, 10 to 30 percent slopes	Grade 4 - Poor	Newville (85%)	205.2	10.5%
NrD2	Newville gravelly loam, 10 to 30 percent slopes, eroded	Grade 4 - Poor	Newville (85%)	89.2	4.6%
NrE	Newville gravelly loam, 10 to 40 percent slopes, MLRA 17	Grade 2 - Good	Newville (85%)	27.7	1.4%
PkA	Perkins gravelly loam, 0 to 3 percent slopes, MLRA 17	Grade 2 - Good	Perkins (85%)	7.8	0.4%
Rr	Riverwash	Not rated	Riverwash (100%)	142.2	7.3%
TaA	Tehama loam, 0 to 3 percent slopes, MLRA 17	Grade 1 - Excellent	Tehama (85%)	30.6	1.6%
W	Water	Not Rated	Water (100%)	16.2	0.8%
Totals for Area of Interest				1,945.4	100.0%

Description

The Revised Storie Index is a rating system based on soil properties that govern the potential for soil map unit components to be used for irrigated agriculture in California.

The Revised Storie Index assesses the productivity of a soil from the following four characteristics:

- Factor A: degree of soil profile development
- Factor B: texture of the surface layer
- Factor C: steepness of slope
- Factor X: drainage class, landform, erosion class, flooding and ponding frequency and duration, soil pH, soluble salt content as measured by electrical conductivity, and sodium adsorption ratio

Revised Storie Index numerical ratings have been combined into six classes as follows:

- Grade 1: Excellent (81 to 100)
- Grade 2: Good (61 to 80)
- Grade 3: Fair (41 to 60)
- Grade 4: Poor (21 to 40)
- Grade 5: Very poor (11 to 20)
- Grade 6: Nonagricultural (10 or less)

The components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as the one shown for the map unit. The percent composition of each component in a particular map unit is given to help the user better understand the extent to which the rating applies to the map unit.

Other components with different ratings may occur in each map unit. The ratings for all components, regardless the aggregated rating of the map unit, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Lower