

Mariposa, and Fresno Counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Castilleja campestris* ssp. *succulenta* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Castilleja campestris* ssp. *succulenta* germination, growth and reproduction, including but not limited to, hardpan vernal pools on alluvial terraces and San Joaquin, Redding, Corning, Keyes, and Pentz soils series, among others, and northern basalt flow vernal pools on Hideaway soils series, that typically become inundated during winter rains, but are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Castilleja campestris* ssp. *succulenta* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueducts, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut, Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough,

North Grasslands, and Oroville Wildlife Areas.

(5) Unit 1: Sacramento and San Joaquin Counties, California. From USGS 1:24,000 quadrangle maps Clay and Lockford, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): ; 654000, 4232700; 653600, 4232700; 653600, 4234100; 654100, 4234800; 655100, 4234800; 655500, 4234500; 655900, 4234700; 656000, 4234700; 656000, 4234500; 656800, 4234500; 656800, 4234700; 657600, 4234700; 657900, 4235000; 658800, 4235200; 658700, 4235100; 658700, 4234600; 659200, 4234600; 659200, 4234700; 659000, 4234900; 660500, 4235300; 661000, 4235300; 661100, 4235100; 660700, 4234700; 660300, 4234400; 660000, 4234300; 659600, 4233400; 656900, 4233400; 654100, 4233200; 654000, 4233200; returning to 654000, 4232700.

(6) Unit 2: Stanislaus and Tuolumne Counties, California. From USGS 1:24,000 quadrangle maps Cooperstown, Keytone, La Grange, Knights Ferry, and Paulsell, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at: 714100, 4182600; 715100, 4182600; 715500, 4183400; 715800, 4183400; 716000, 4182700; 716900, 4182700; 717100, 4182500; 717100, 4182000; 716900, 4181300; 717200, 4180900; 717200, 4180600; 716900, 4179900; 716600, 4180400; 715400, 4180400; 715600, 4180900; 715200, 4181600; 714700, 4182000; returning to 714100, 4182600.

(ii) Start at: 716900, 4179900; 717700, 4180100; 718500, 4180000; 718700, 4179200; 719300, 4178700; 719700, 4177600; 720300, 4177700; 720700, 4177700; 720800, 4176400; 720500, 4175200; 719500, 4174100; 720700, 4173500; 720700, 4172500; 719800, 4171900; 718800, 4171400; 718800, 4171500; 718000, 4171300; 718000, 4171000; 717800, 4170900; 717700, 4170900; 717300, 4170700; 716800, 4171000; 716700, 4171800; 716500, 4171800; 716200, 4170900; 715500, 4170500; 715300, 4170400; 715300, 4171200; 715200, 4171200; 715200, 4171000; 715100, 4171000; 715100, 4170700; 714900, 4170700; 714900, 4170300; 713900, 4169800; 713800, 4169900; 713000, 4169500; 712500, 4169400; 712200, 4169400; 712000, 4169600; 711500, 4169900; 711300, 4169900; 710500, 4169100; 709300, 4169100; 709100, 4169500; 709100, 4169700; 708900, 4169700; 708800, 4169900; 708700, 4169900; 708600, 4169800; 708500, 4169900; 708400, 4170000; 708700, 4170200; 708800, 4170300; 708900, 4170400; 709100, 4170500; 709200, 4170600; 709400,

4170600; 709400, 4170800; 709300, 4170800; 709200, 4170900; 709100, 4170800; 708800, 4170700; 708800, 4170600; 708500, 4170500; 708400, 4170300; 708100, 4170200; 707900, 4170200; 707900, 4170300; 708100, 4170500; 708200, 4170500; 708200, 4170600; 708200, 4170800; 708200, 4170900; 708100, 4170900; 707900, 4170700; 707700, 4170700; 707700, 4170800; 707600, 4170900; 707400, 4170900; 707100, 4171100; 707100, 4171200; 707200, 4171300; 707300, 4171200; 707500, 4171300; 707800, 4171600; 707900, 4171600; 708100, 4171600; 708200, 4171700; 708100, 4171800; 708100, 4171900; 708300, 4171900; 708300, 4172100; 708400, 4172100; 708500, 4172200; 708500, 4172300; 708700, 4172400; 708800, 4172500; 708800, 4172600; 708700, 4172700; 708500, 4172700; 708400, 4172800; 708300, 4172700; 708200, 4172700; 708100, 4172600; 708000, 4172500; 707900, 4172500; 707800, 4172700; 707600, 4172600; 707400, 4172500; 707400, 4172600; 707200, 4172700; 707100, 4172300; 707000, 4172200; 706700, 4172200; 706700, 4172300; 706500, 4172300; 706400, 4172300; 706400, 4172400; 706200, 4172600; 706300, 4172700; 706400, 4172800; 706300, 4172800; 706200, 4172800; 706100, 4172900; 705900, 4173100; 705800, 4173300; 705800, 4173500; 706000, 4173800; 705900, 4173900; 705800, 4174100; 705700, 4174200; 705500, 4174200; 705400, 4174100; 705400, 4173700; 705300, 4173500; 705200, 4173200; 705100, 4174700; 705400, 4175400; 705000, 4175900; 705300, 4176300; 705700, 4176700; 705700, 4177000; 705700, 4177500; 705700, 4177700; 705200, 4177900; 705000, 4178100; 705400, 4178900; 706200, 4178400; 706300, 4178000; 706200, 4177600; 706200, 4177100; 706700, 4177100; 706700, 4175900; 706800, 4175700; 707100, 4175600; 707400, 4175600; 707600, 4175500; 707700, 4175700; 707800, 4175700; 707900, 4175900; 707900, 4176000; 708000, 4176500; 708500, 4176400; 709800, 4176600; 709900, 4176400; 709900, 4176200; 710000, 4176100; 710300, 4176100; 710300, 4176200; 710400, 4176300; 710600, 4176400; 710700, 4176400; 710800, 4176500; 710800, 4176600; 711000, 4176700; 711200, 4176700; 711400, 4176700; 711600, 4176900; 711700, 4177200; 711700, 4177600; 711900, 4178100; 711800, 4178900; 710700, 4178900; 710600, 4178800; 710300, 4179200; 709900, 4179500; 709500, 4179600; 709100, 4180800; 709200, 4182200; 709700, 4182700; 710300, 4182900; 711400,