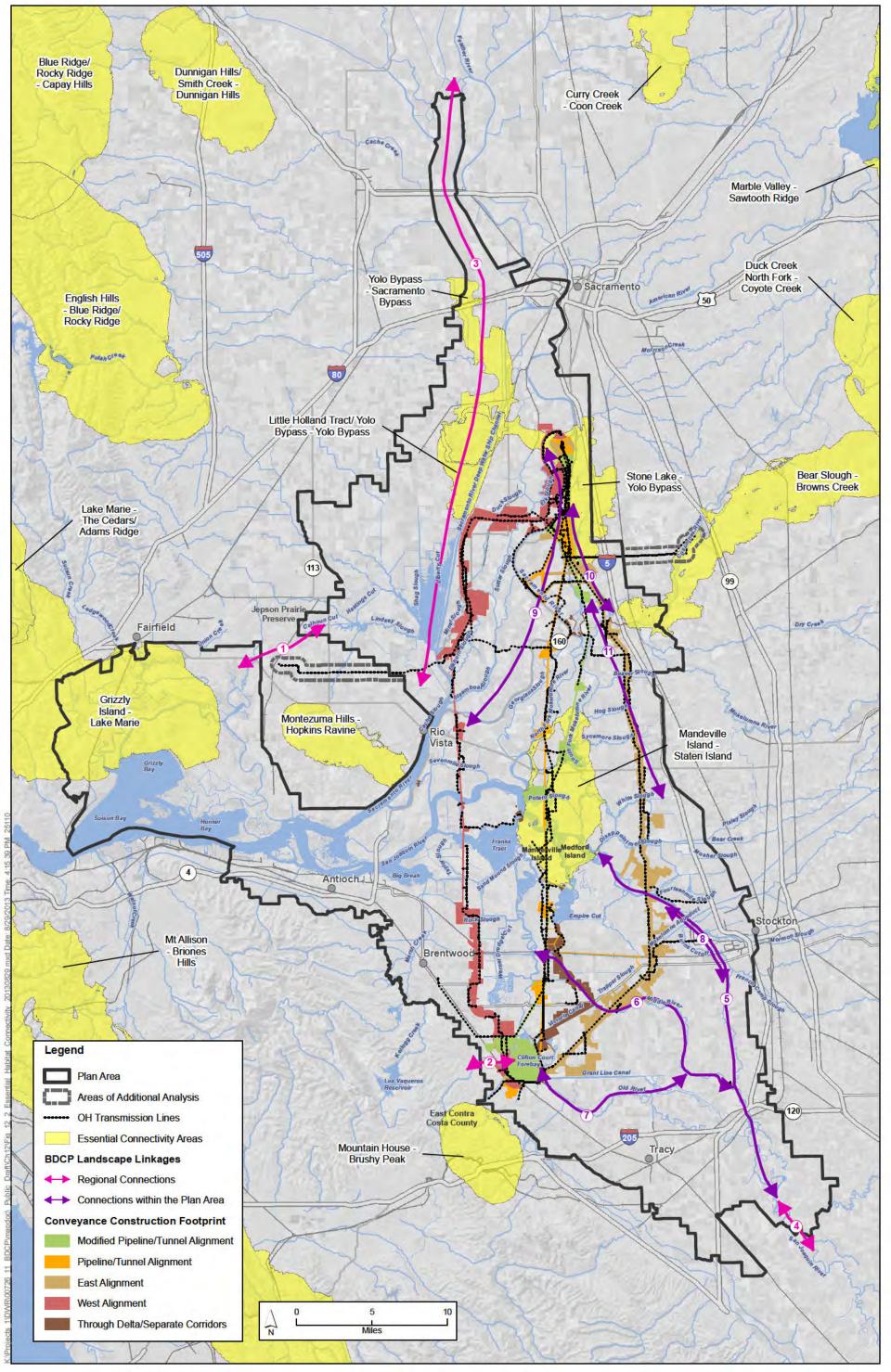
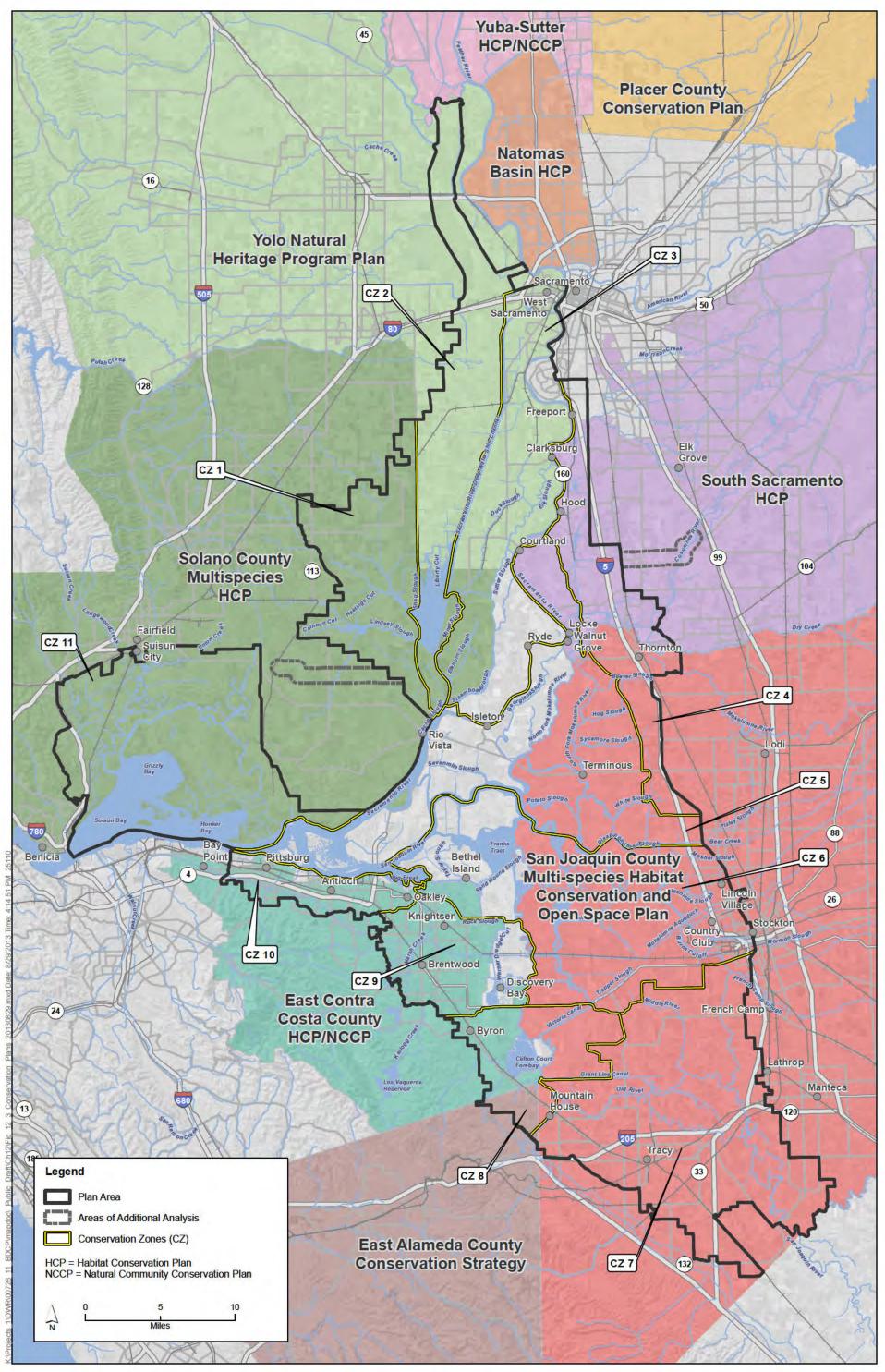
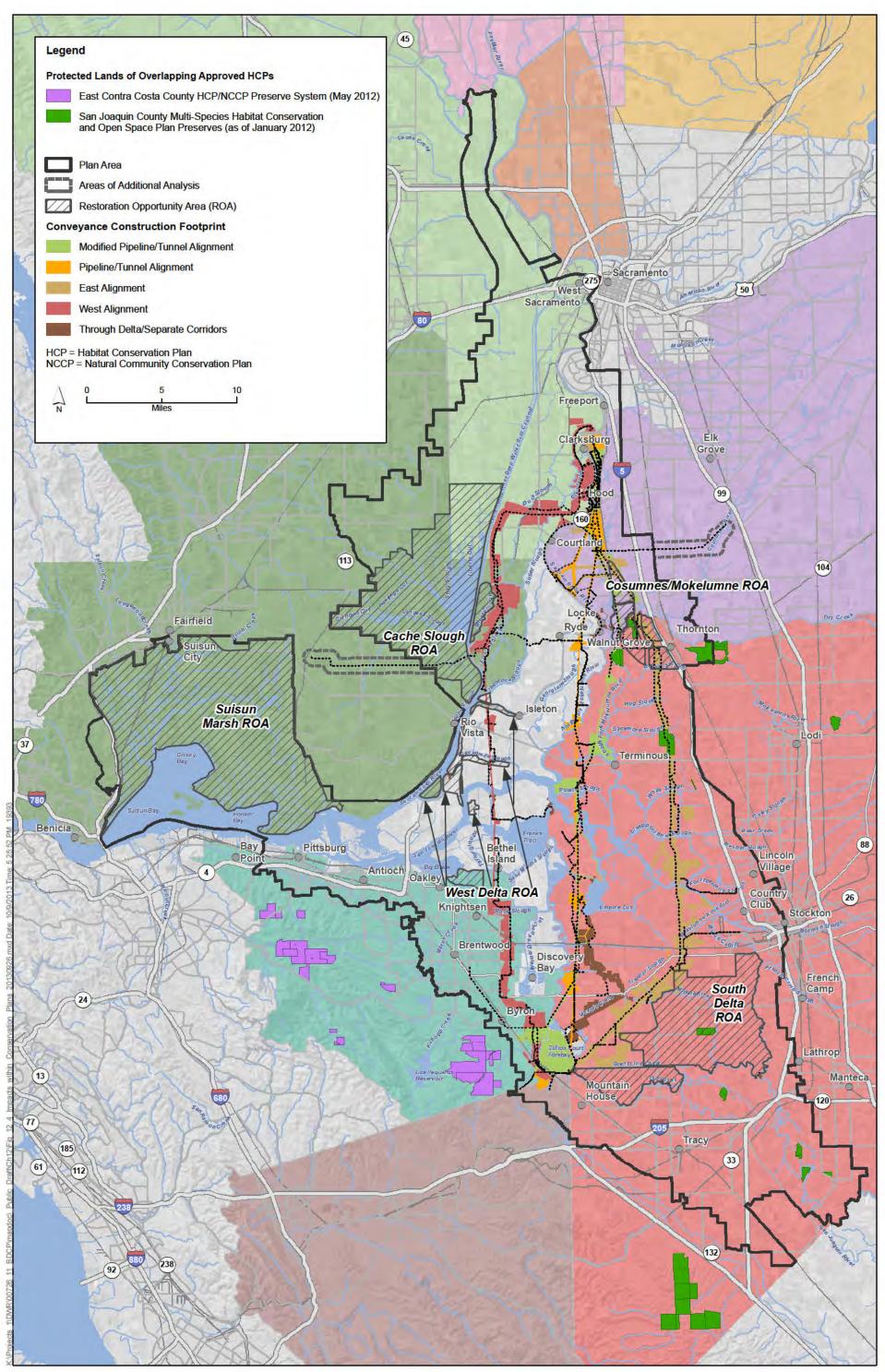


Sources: Plan Area, ICF 2012; Areas of Additional Analysis, ICF 2012; Restoration Opportunity Areas, SAIC 2011; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013, Constructability (Rev 3b), DHCCP DWR 2012; Conservation Zones, SAIC 2012; Natural Communites, ICF 2013.

Figure 12-1 Distribution of Natural Communities in the Study Area

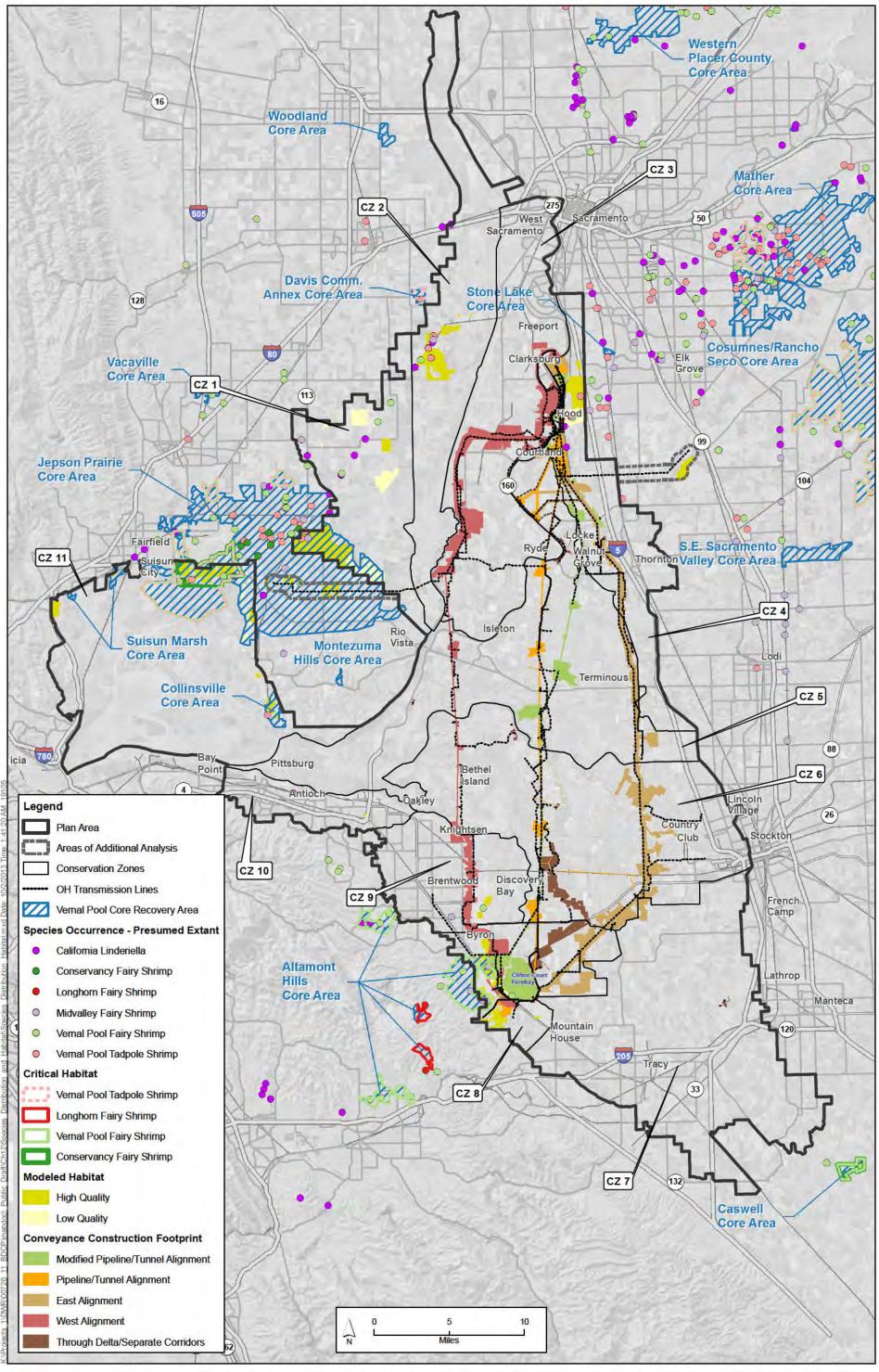


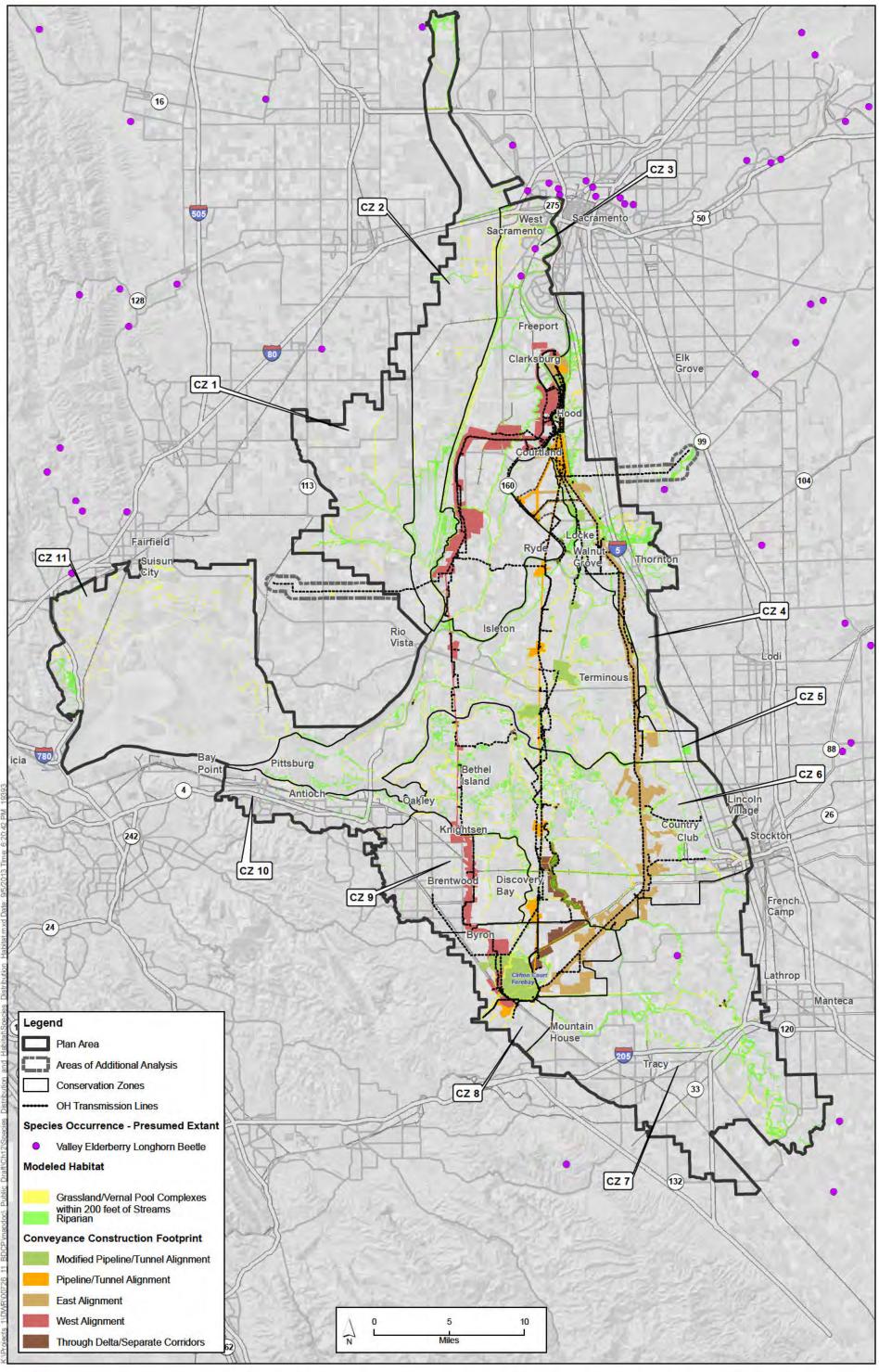




Sources: Plan Area, ICF 2012; Constructability (Rev 2b), DHCCP DWR 2013, Constructability (Rev 10), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; ROA, ICF 2012, San Joaquin County Preserves, ICF 2012; East Contra Costa County Preserves, Contra Costa County 2012; Conservation Zones, SAIC 2012

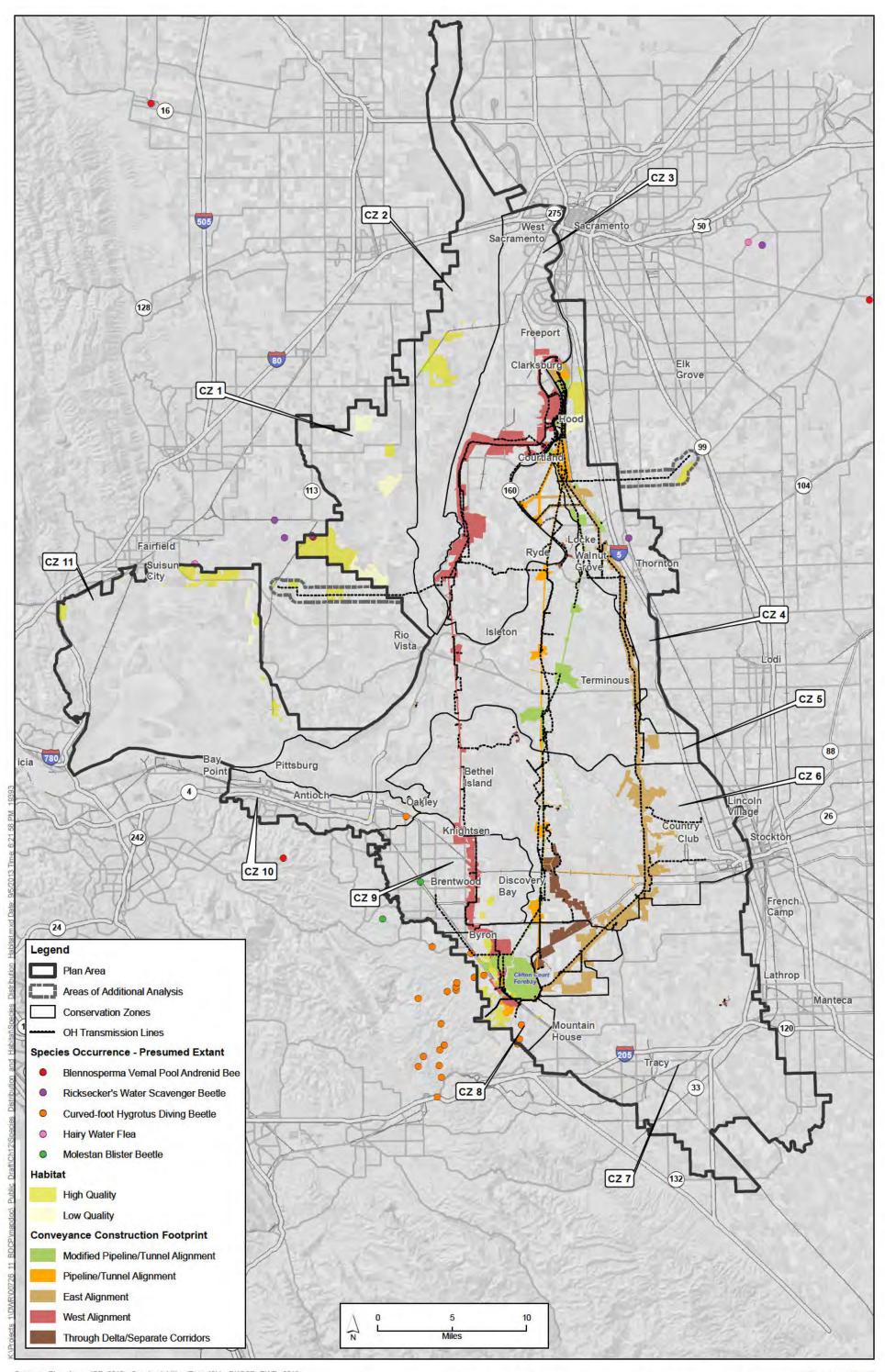
BDCP Features in Relation to Overlapping Regional Conservation Plans





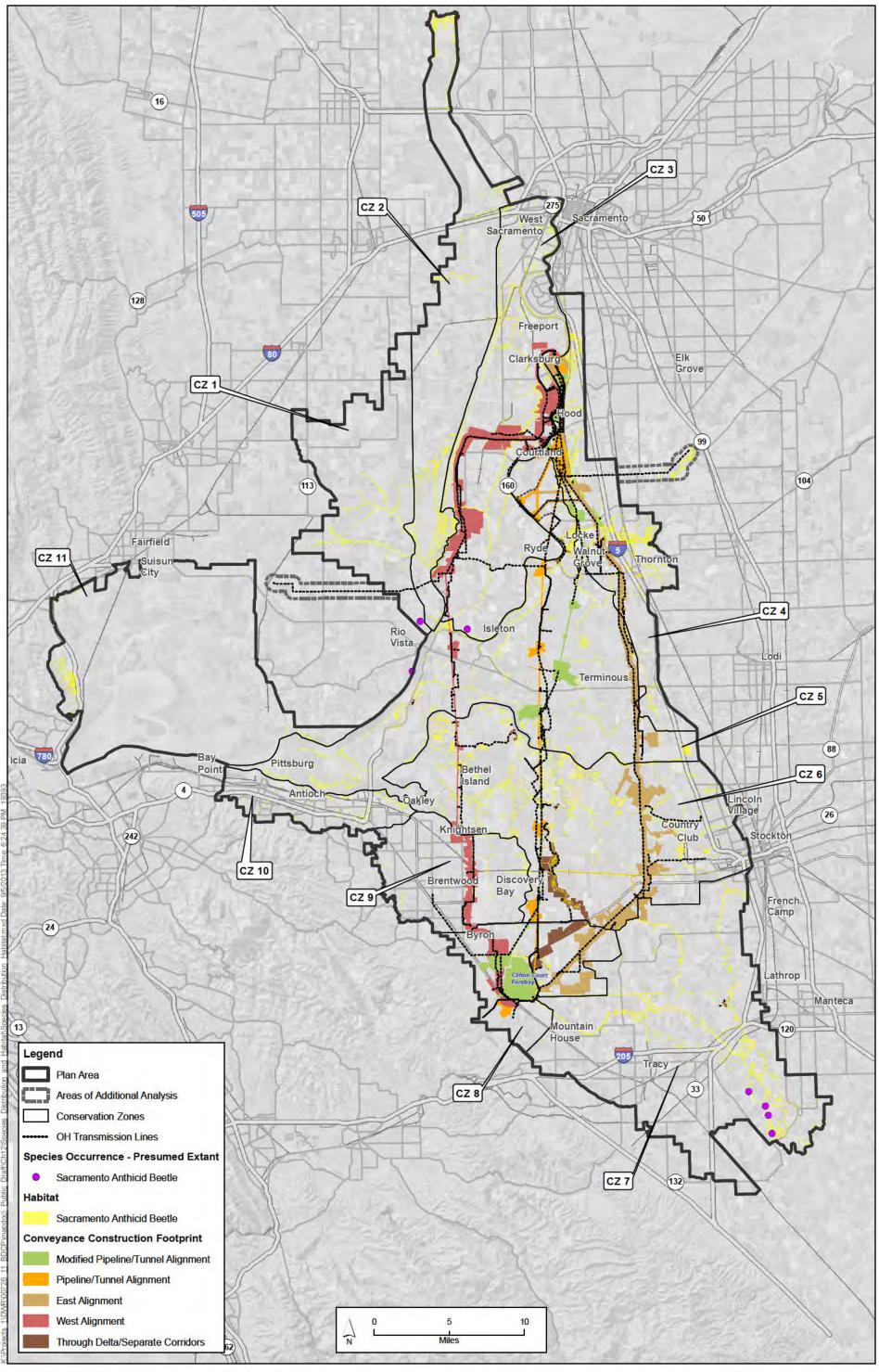
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Figure 12-6
Valley Elderberry Longhorn Beetle Distribution and Habitat in Study Area Vicinity



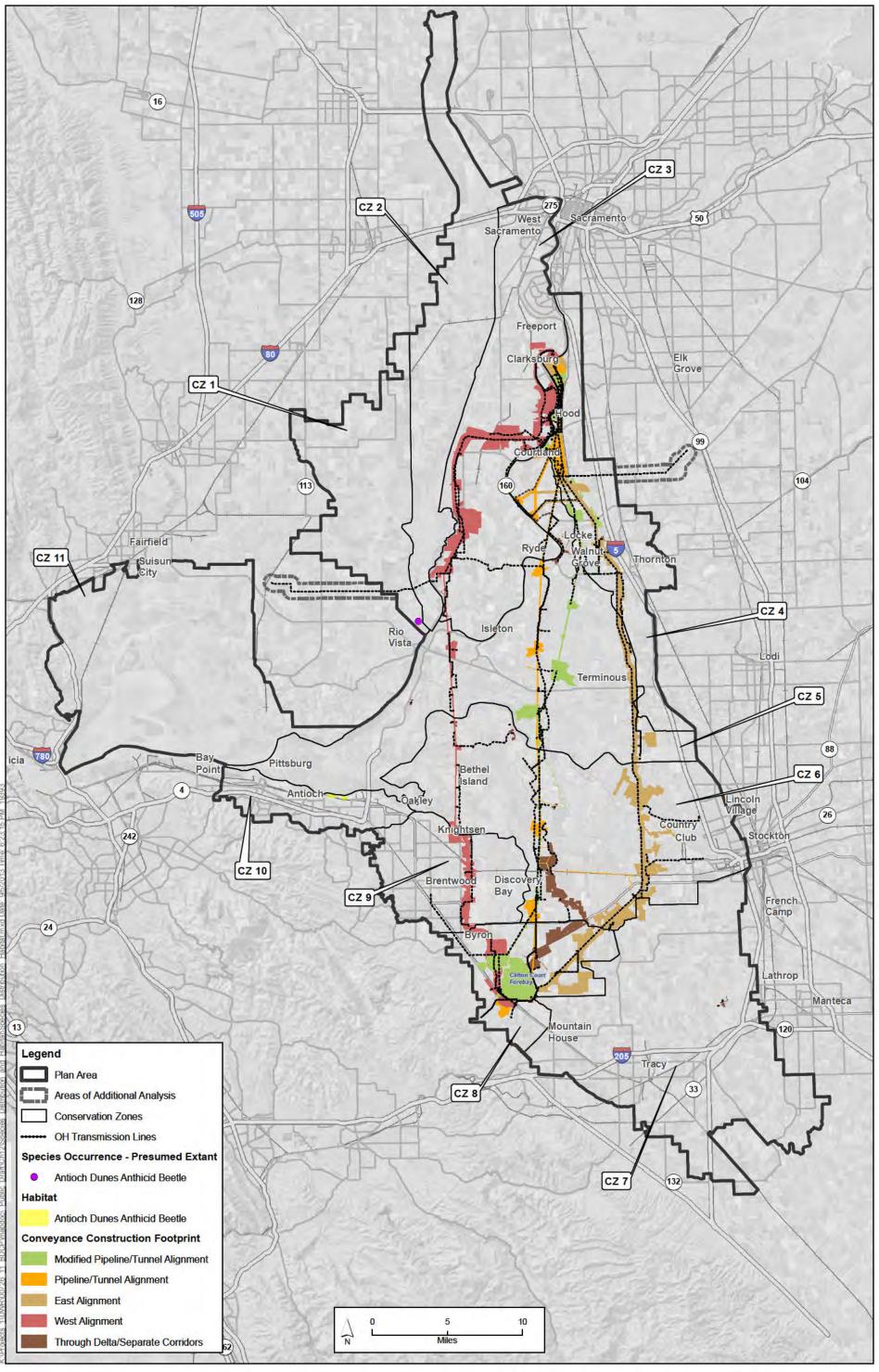
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Figure 12-7
Other Vernal Pool Invertebrates Distribution and Habitat in Study Area Vicinity



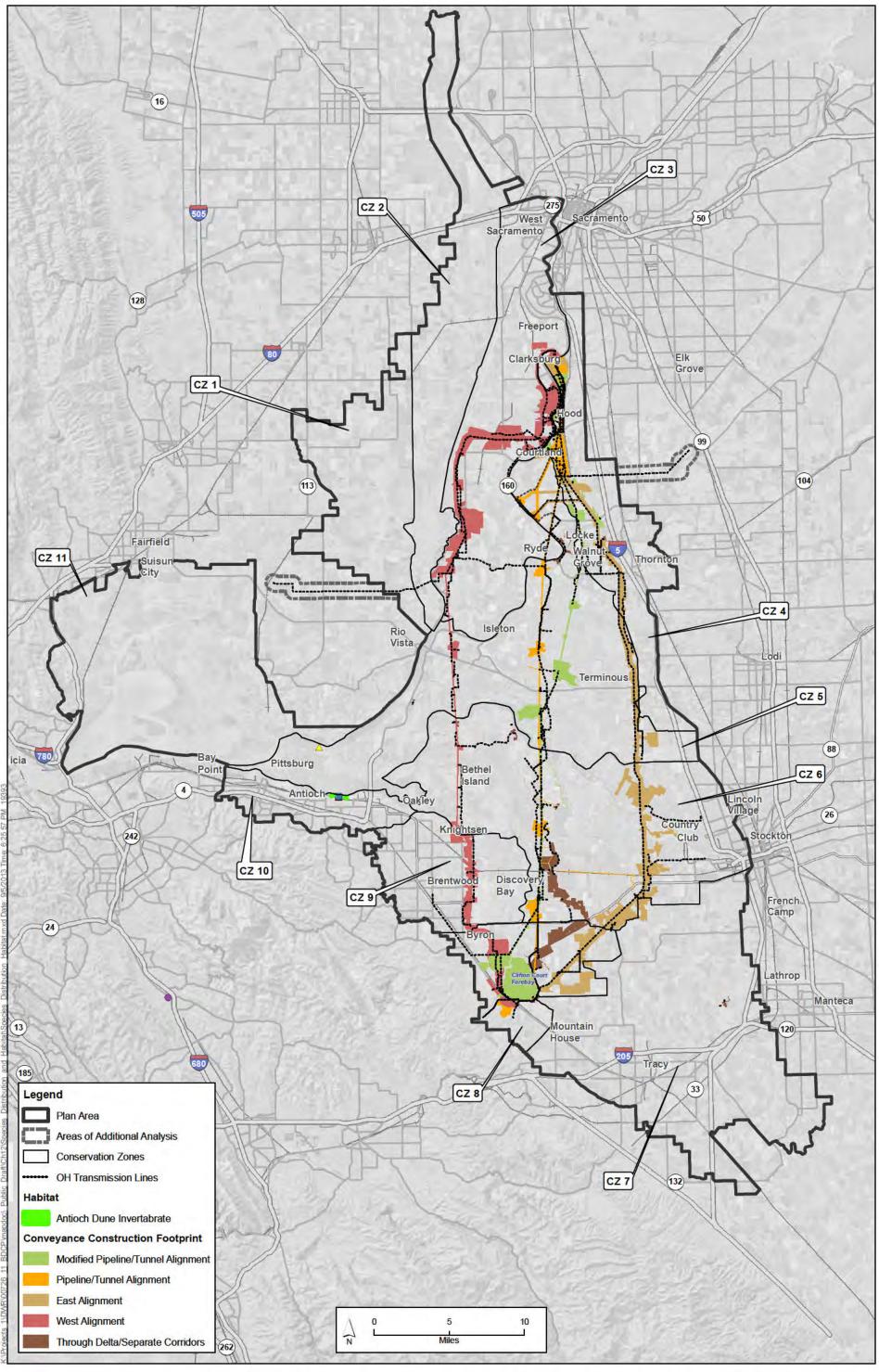
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Figure 12-8 Sacramento Anthicid Beetle Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-9
Antioch Dunes Anthicid Beetle Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-10 Inland Dune Scrub Invertebrate Species Distribution and Habitat in Study Area Vicinity

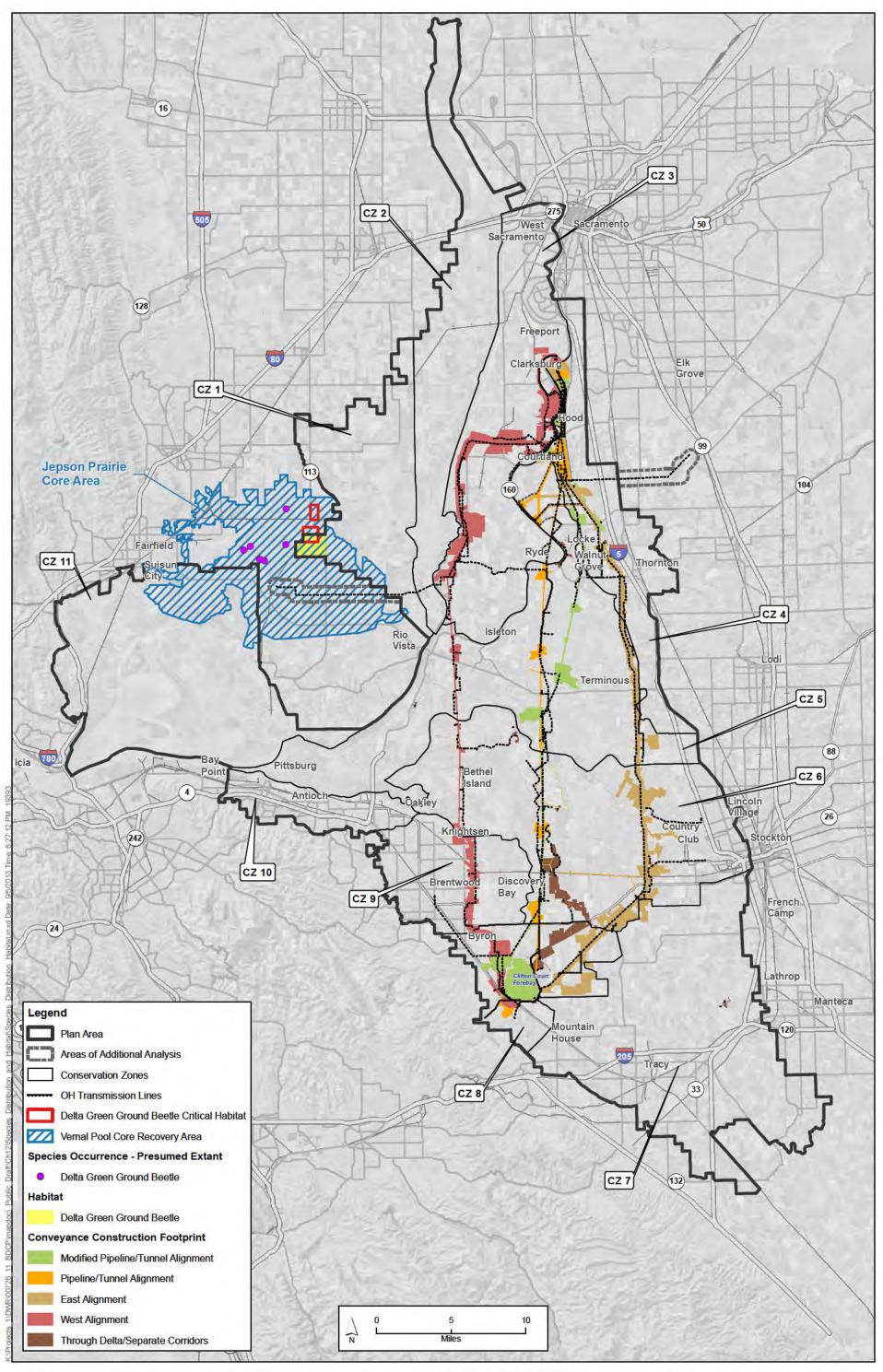
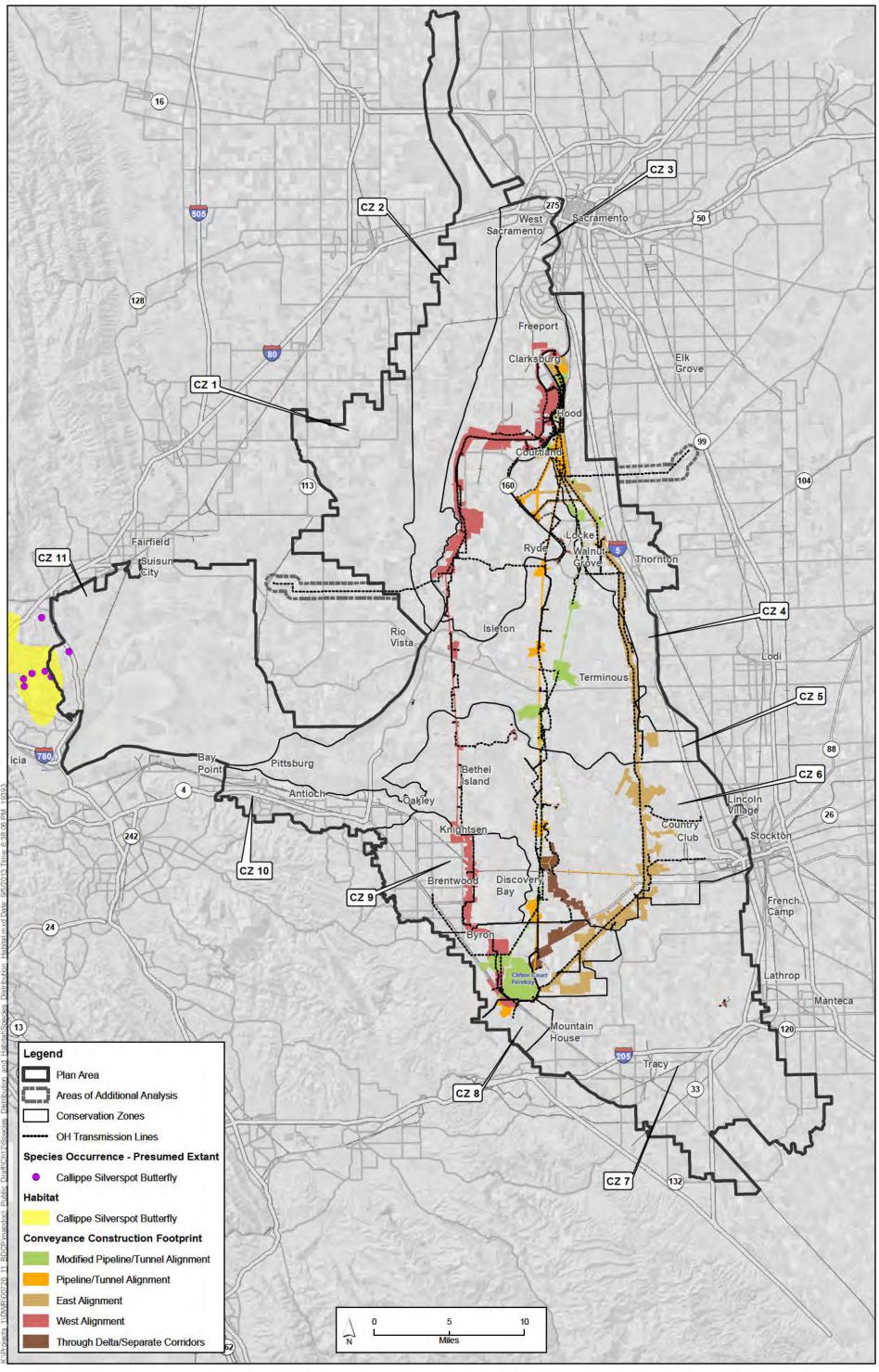
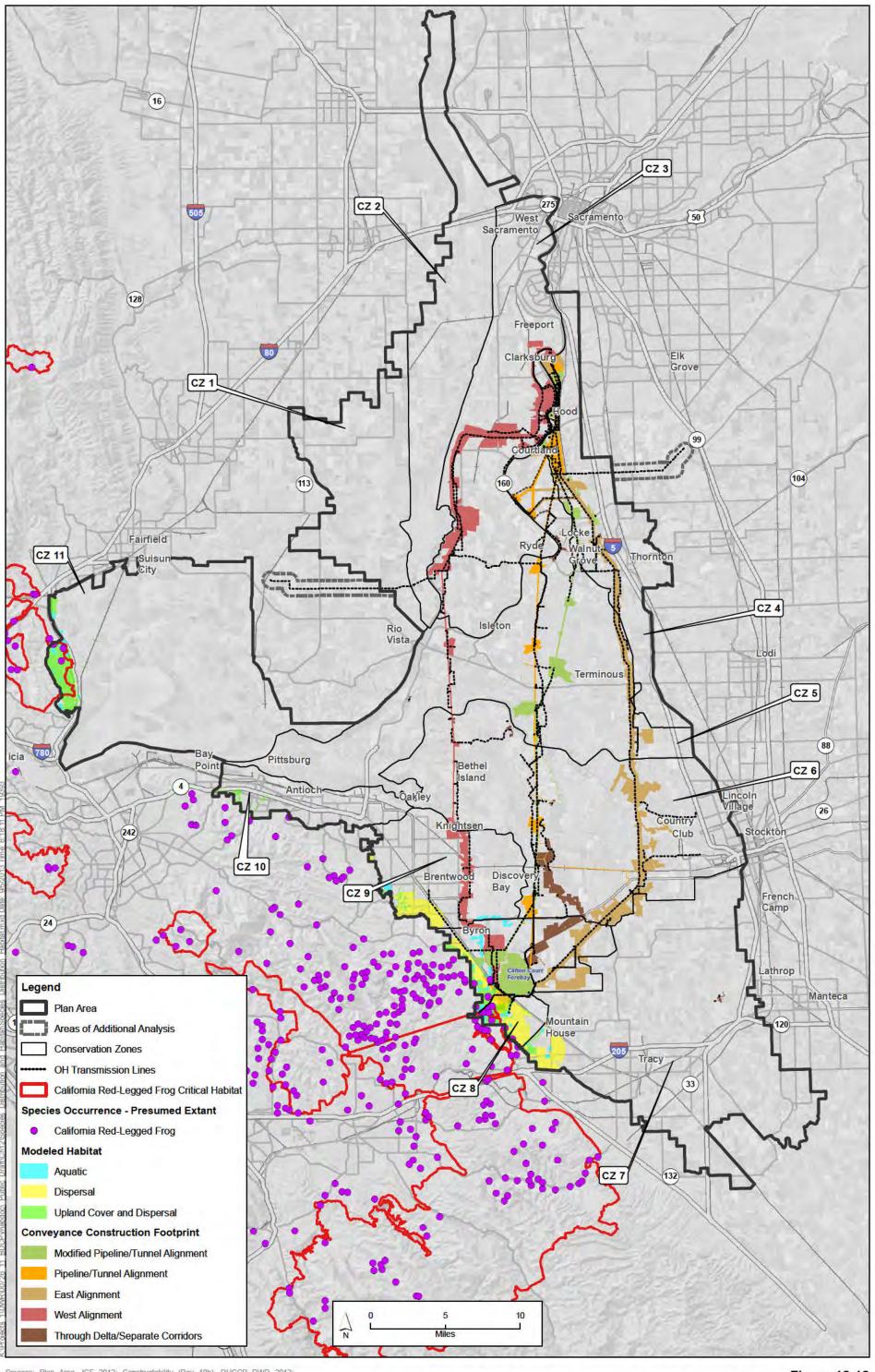


Figure 12-11
Delta Green Ground Beetle Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, LSA 2009 and ICF 2011; Habitat, ICF 2011; Conservation Zones, SAIC 2012.

Figure 12-12 Callippe Silverspot Butterfly Distribution and Habitat in Study Area Vicinity



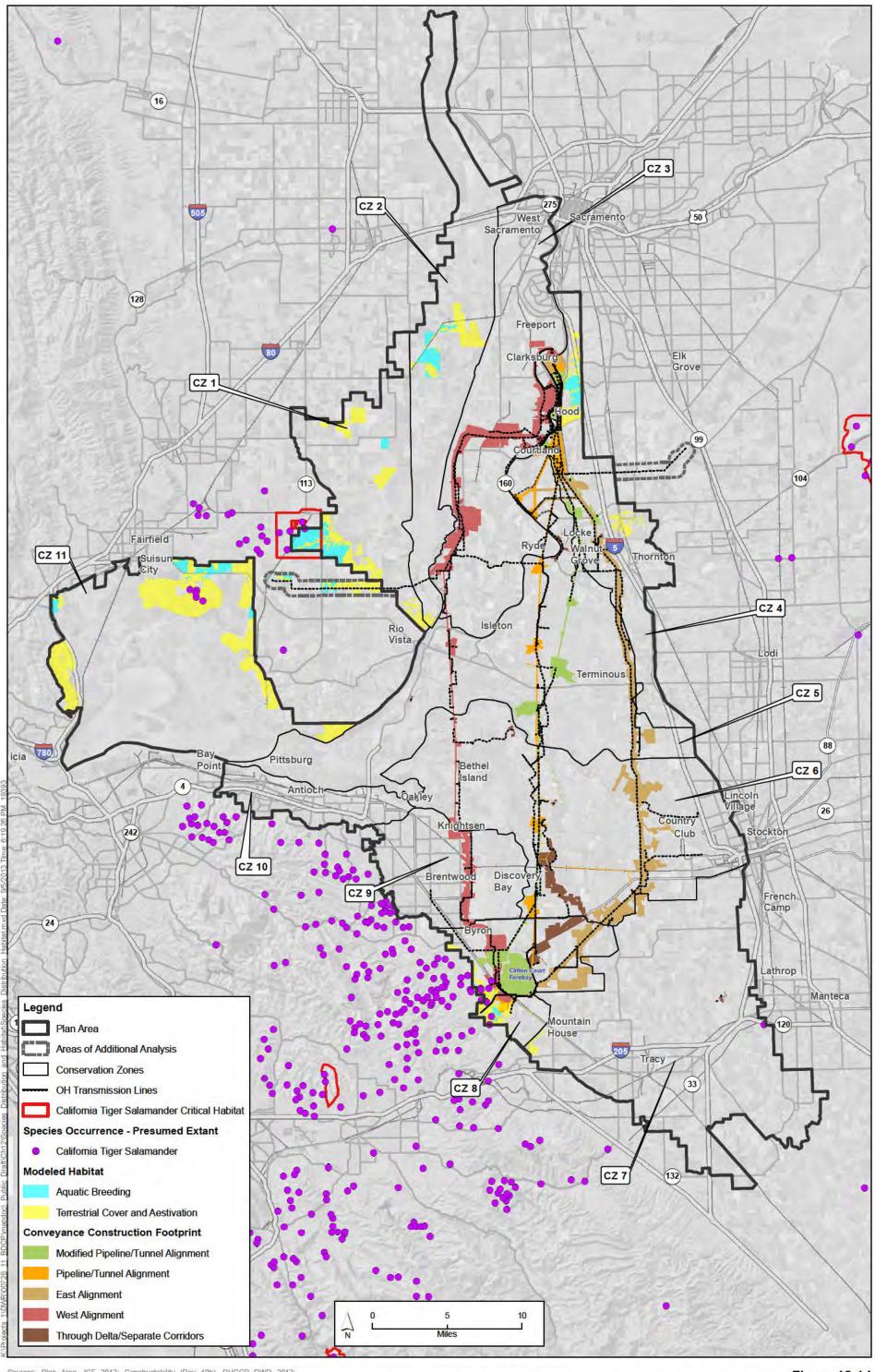
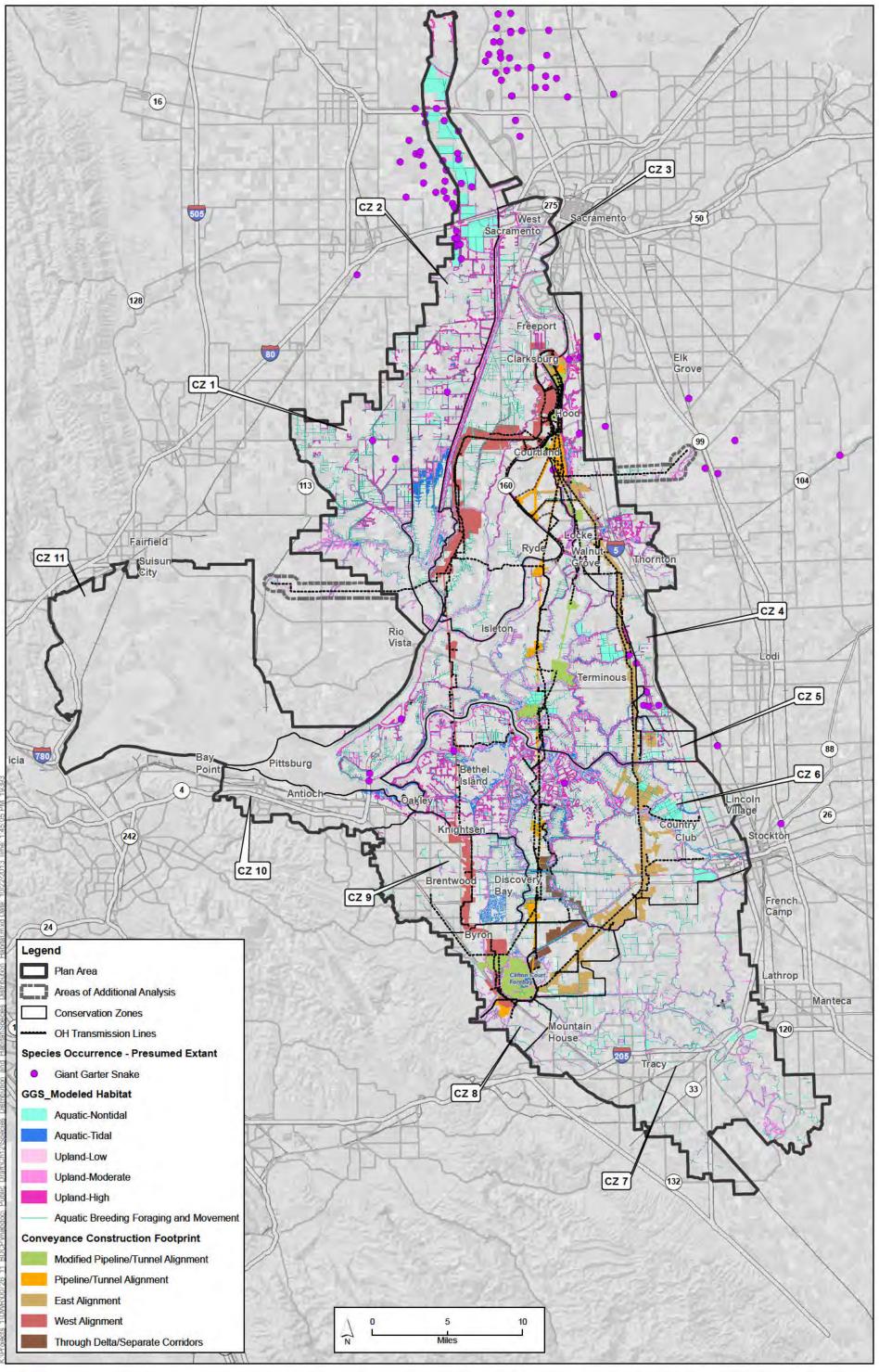
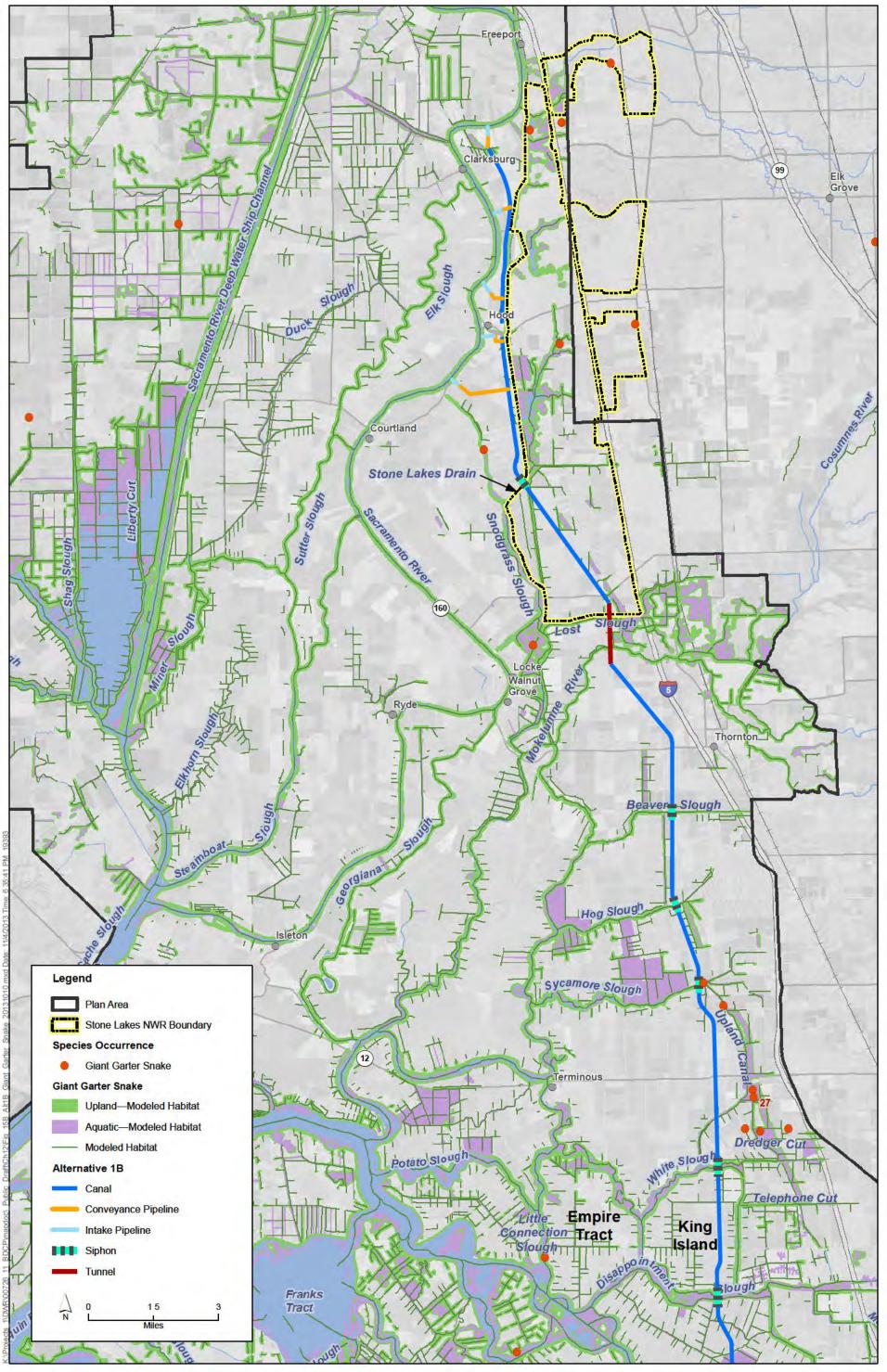
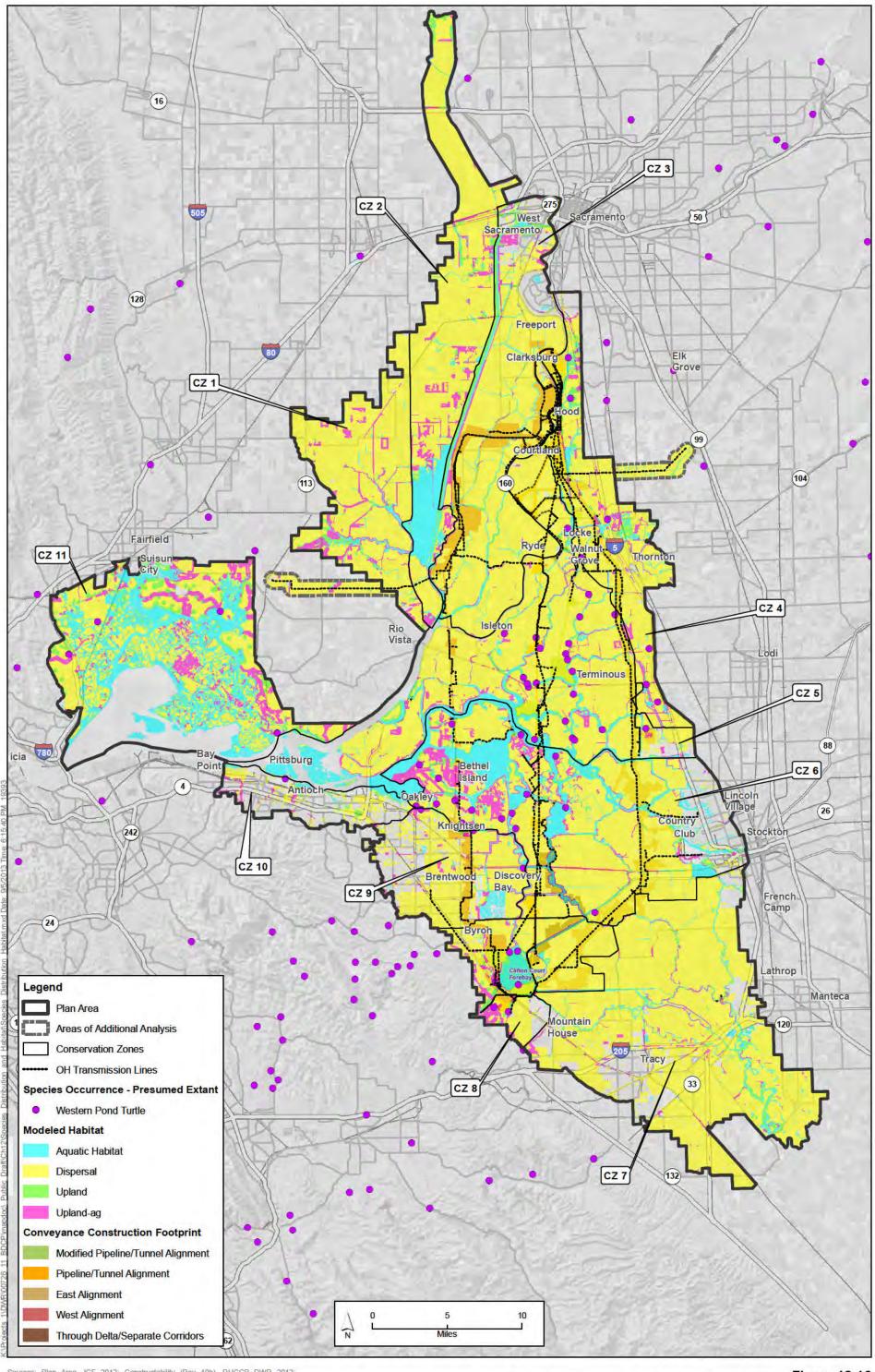


Figure 12-14 California Tiger Salamander Distribution and Habitat in Study Area Vicinity

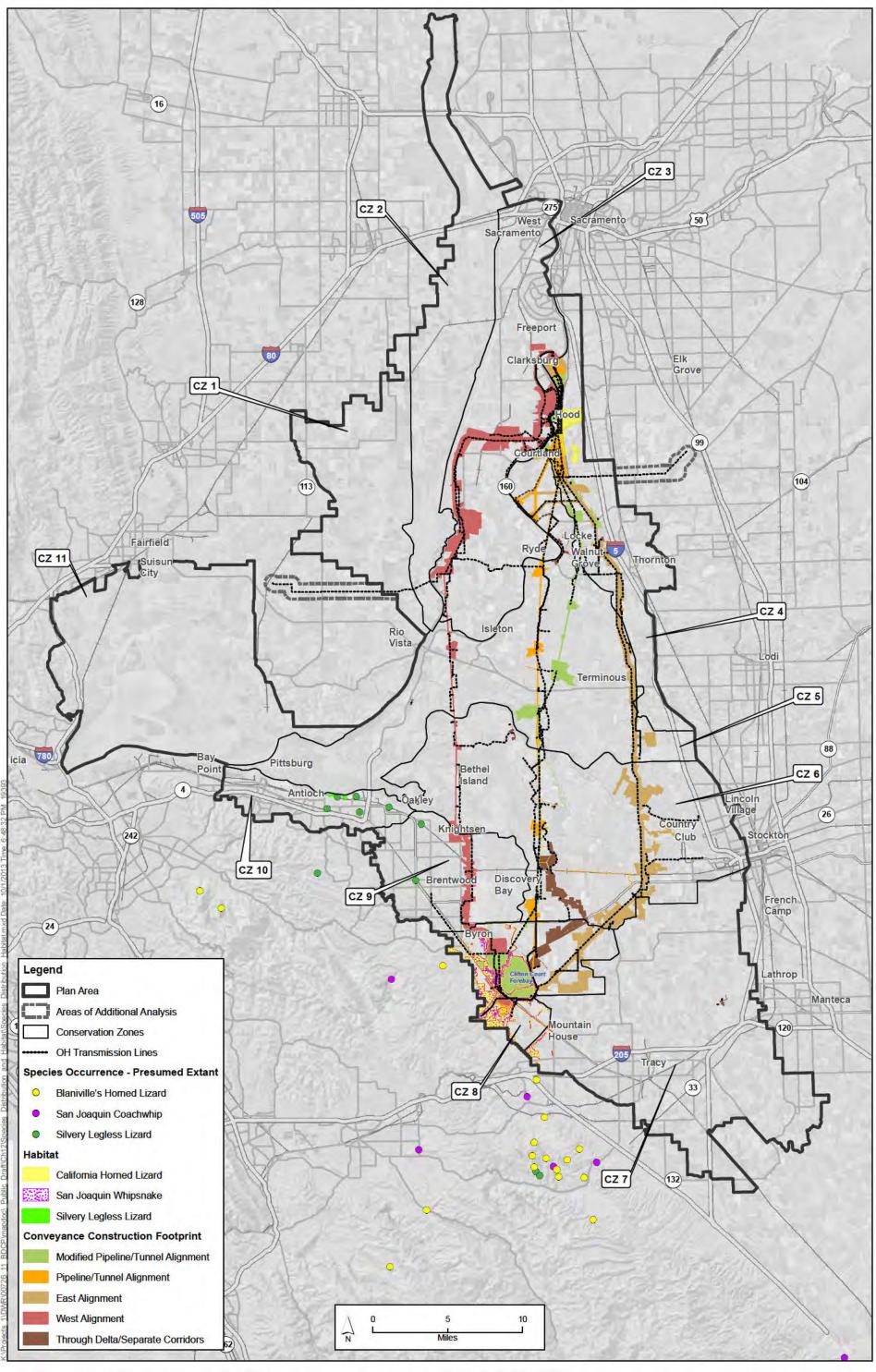






Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-16
Western Pond Turtle Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-17 California Horned Lizard, San Joaquin Whipsnake, and Silvery Legless Lizard Distribution and Habitat in Study Area Vicinity

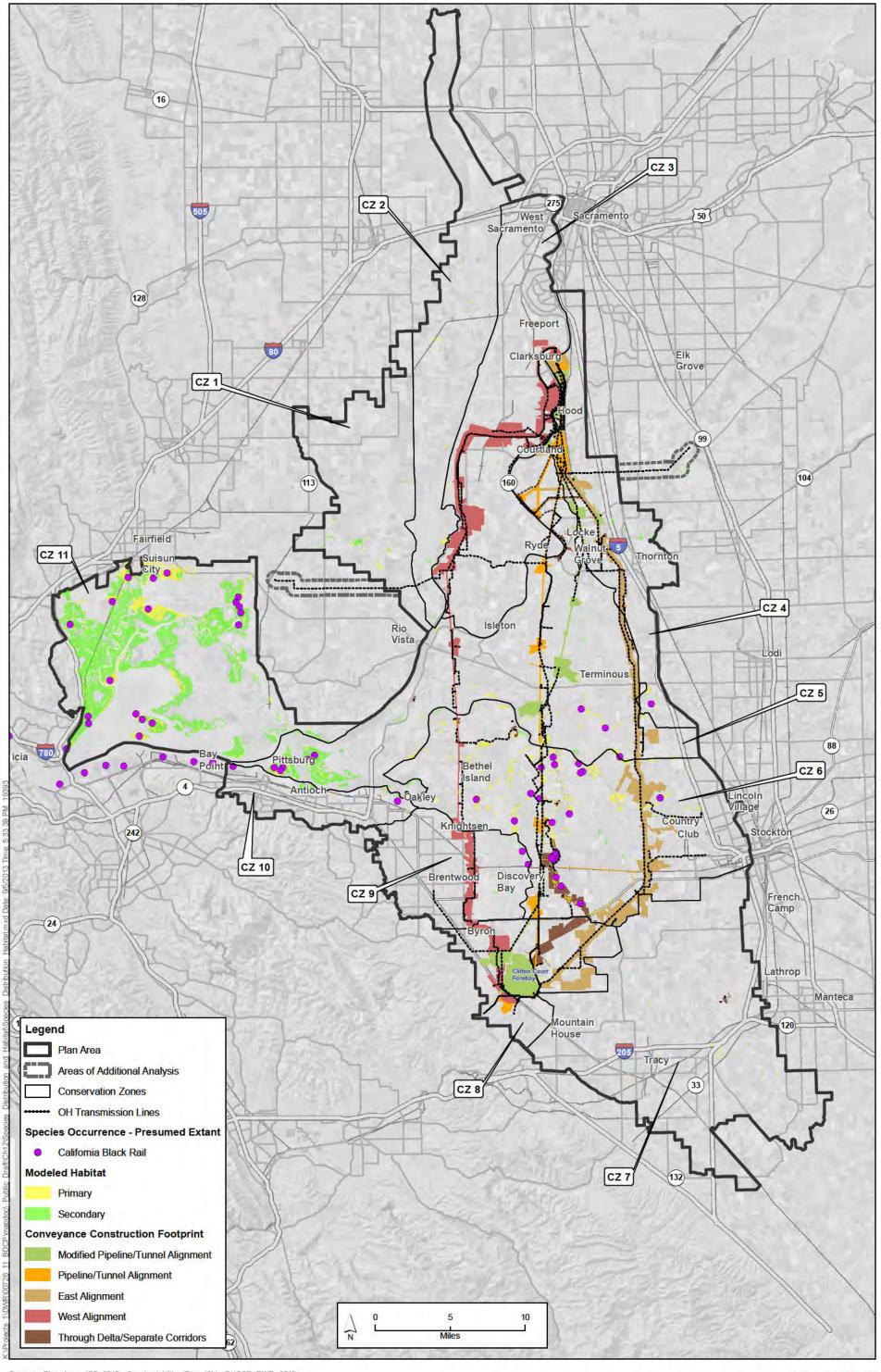
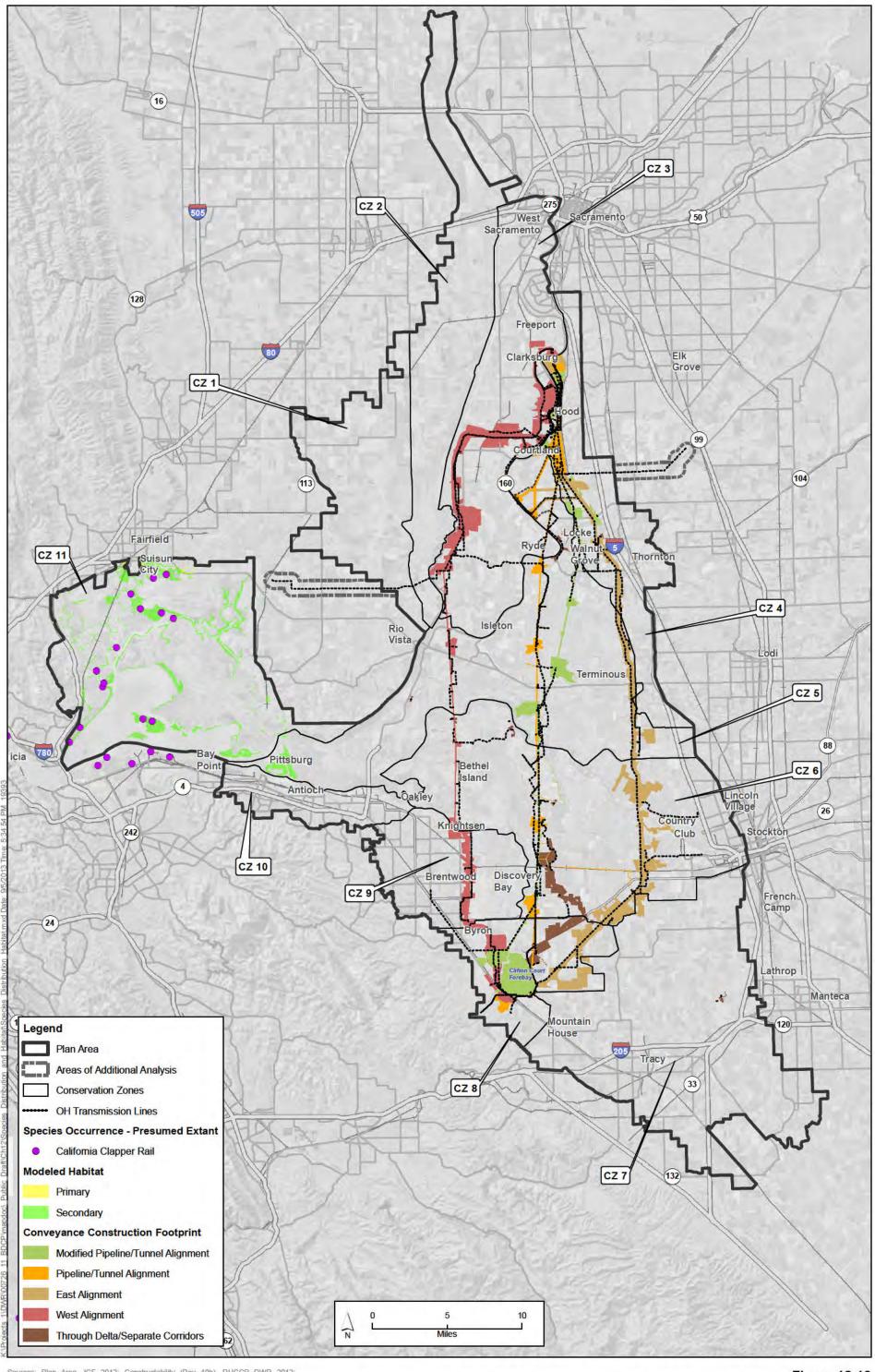
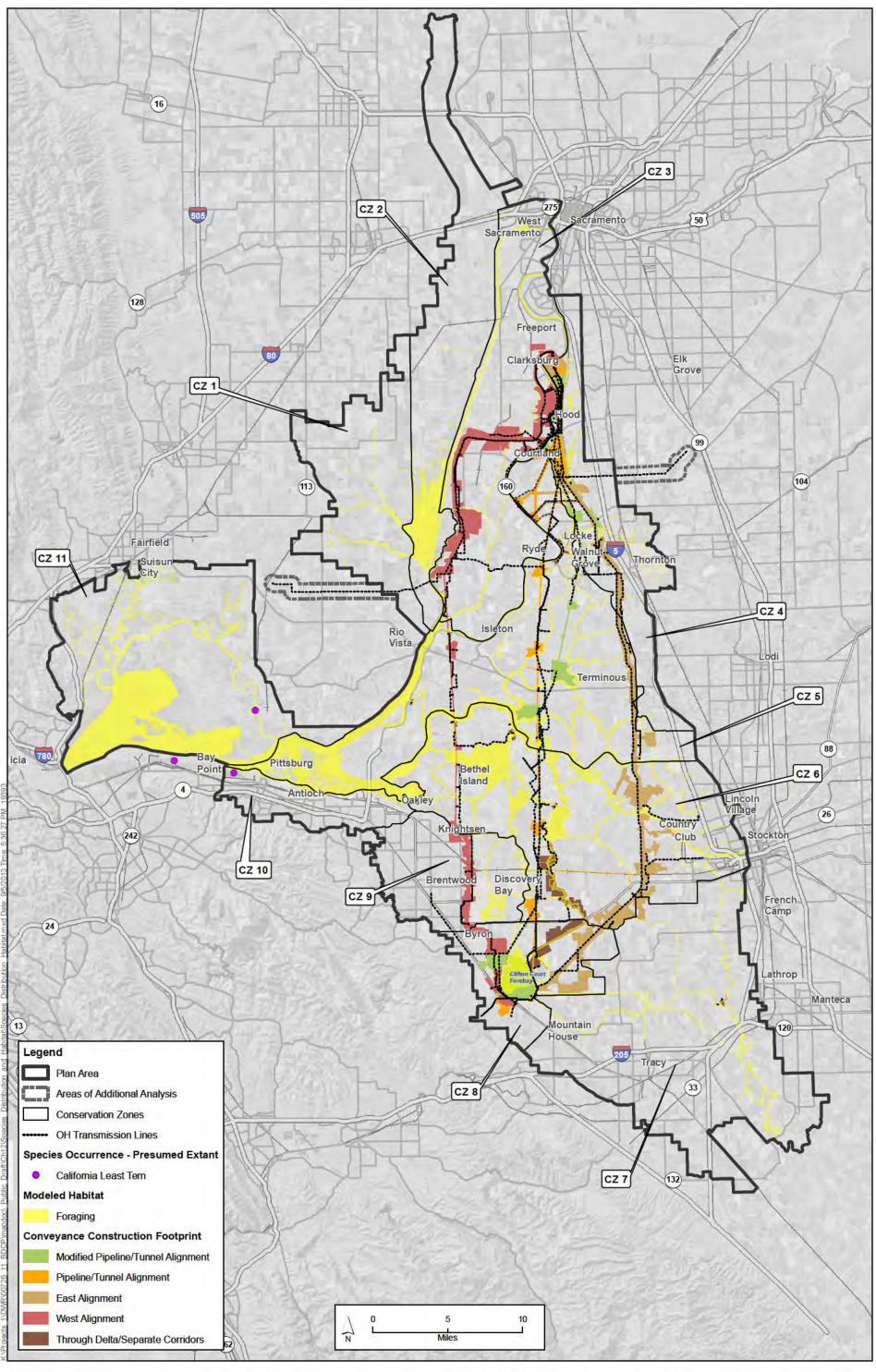


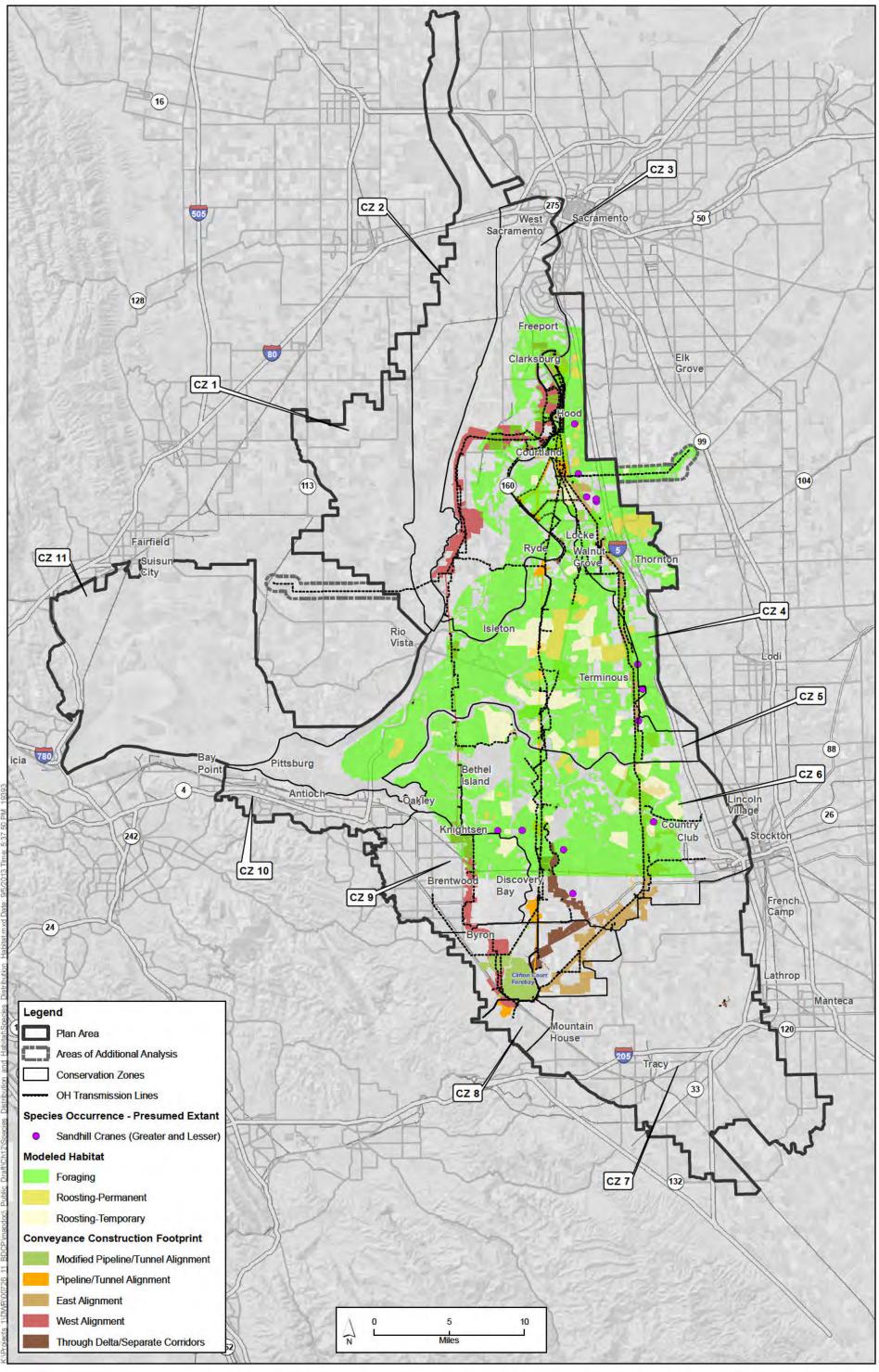
Figure 12-18 California Black Rail Distribution and Habitat in Study Area Vicinity

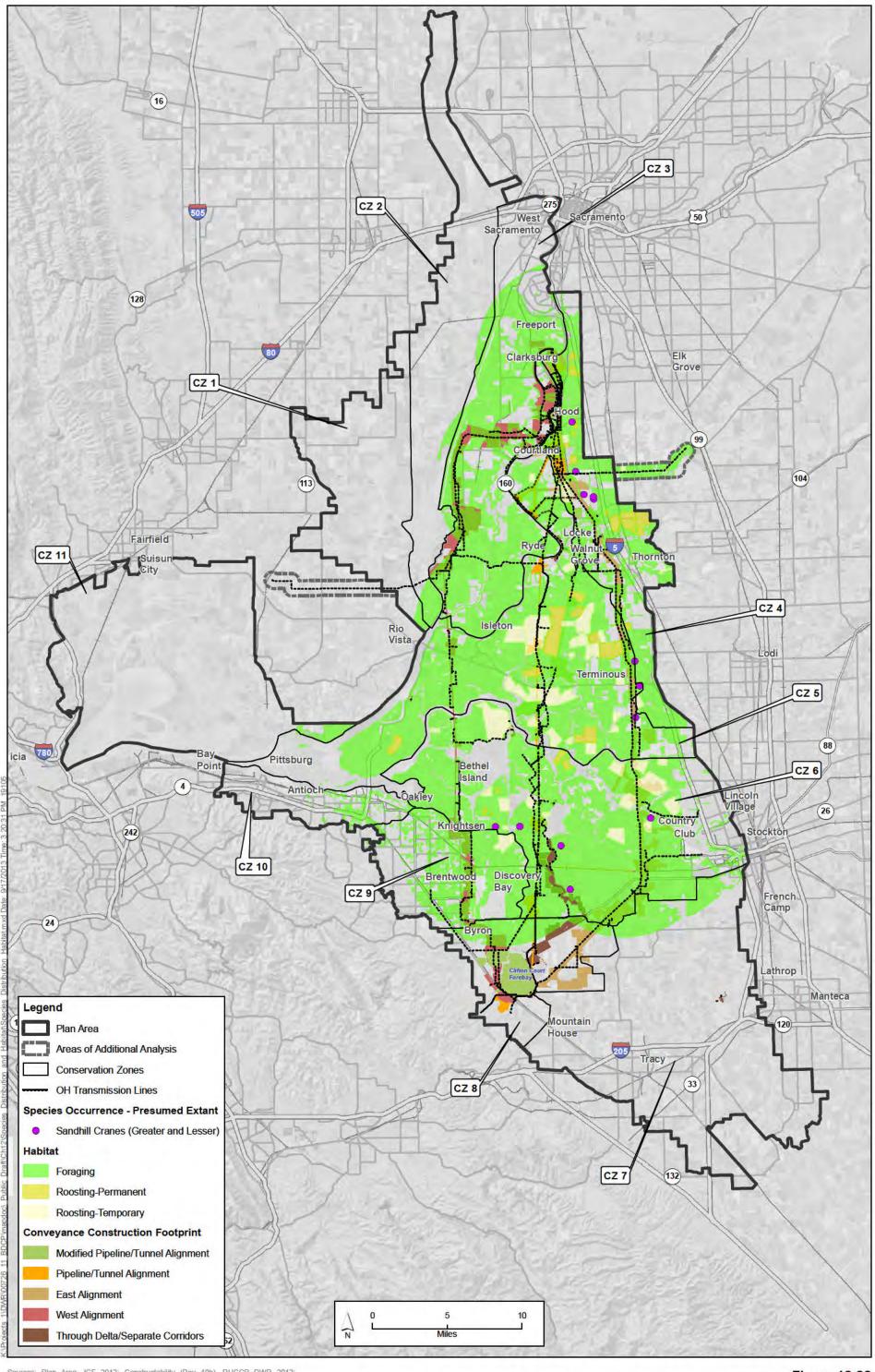


Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-19 California Clapper Rail Distribution and Habitat in Study Area Vicinity







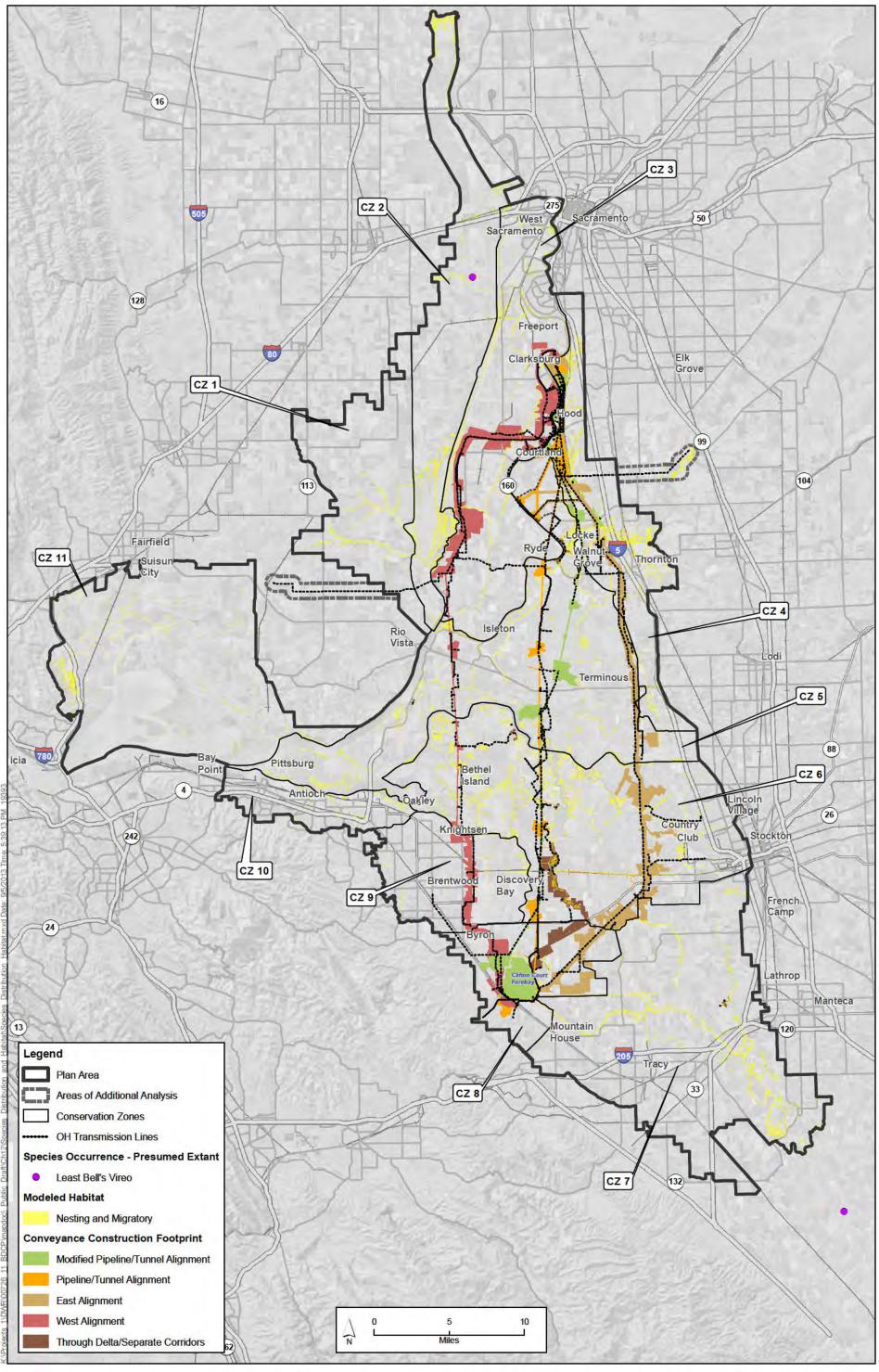


Figure 12-23 Least Bell's Vireo Distribution and Habitat in Study Area Vicinity

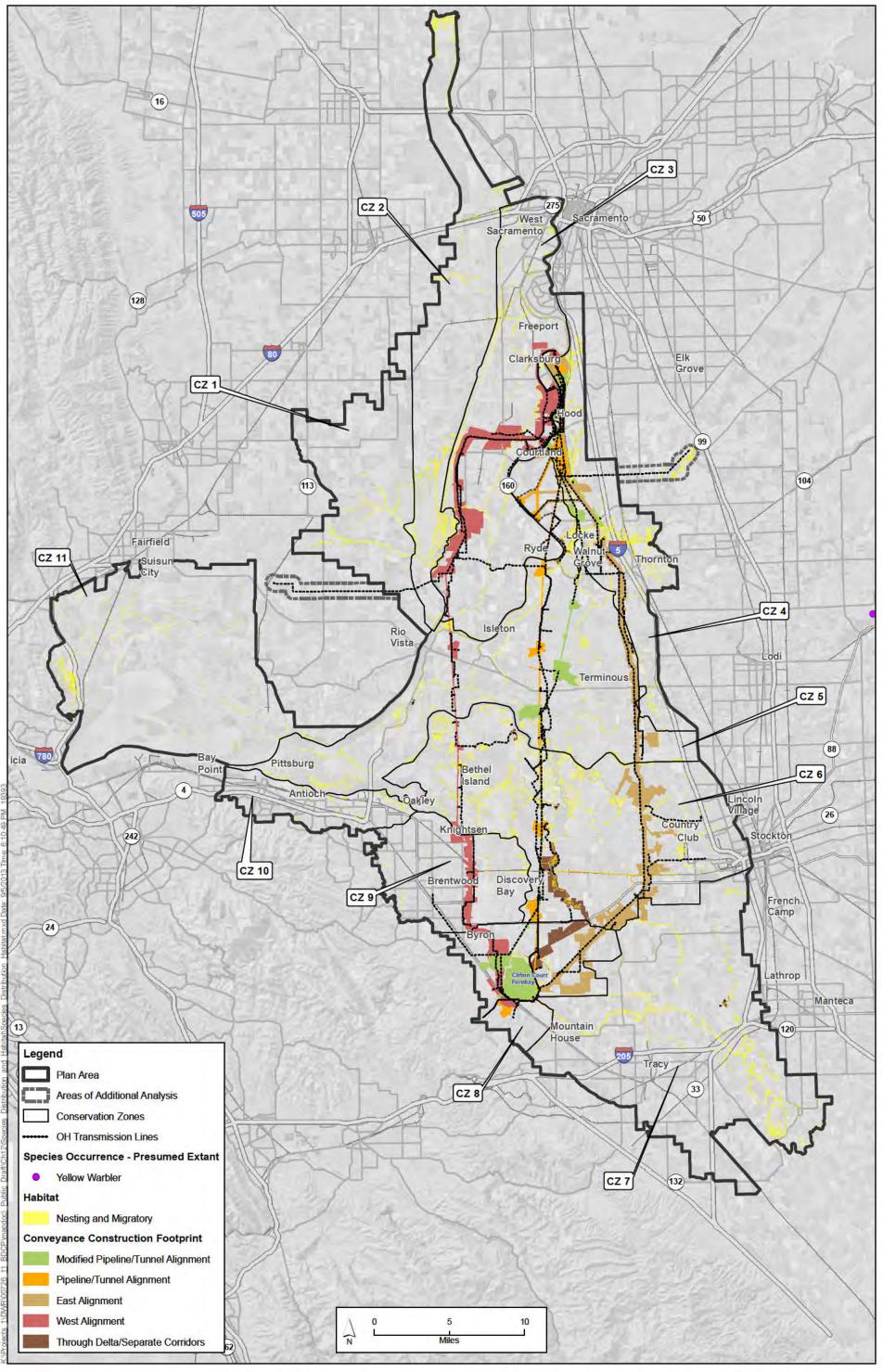
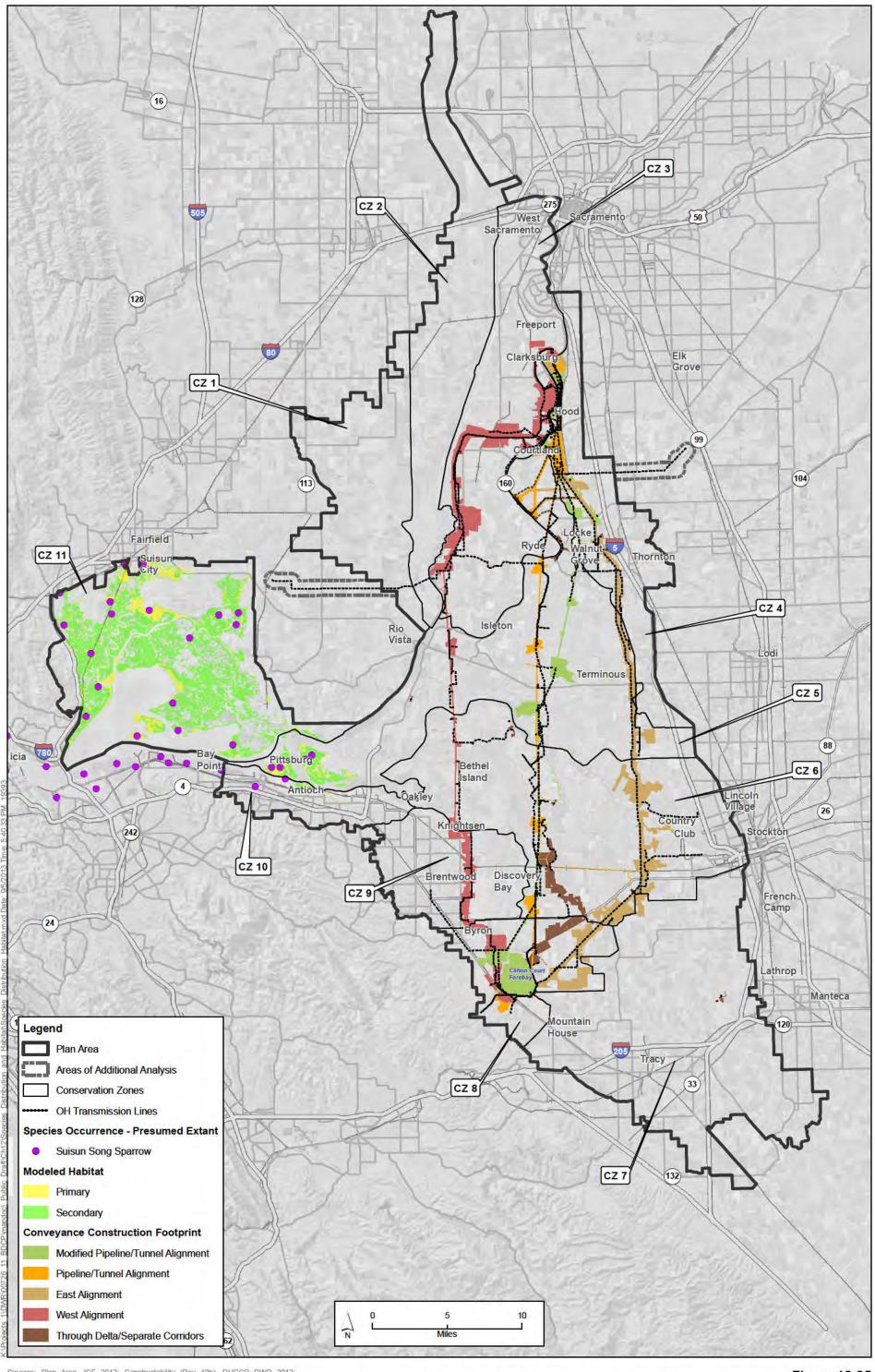
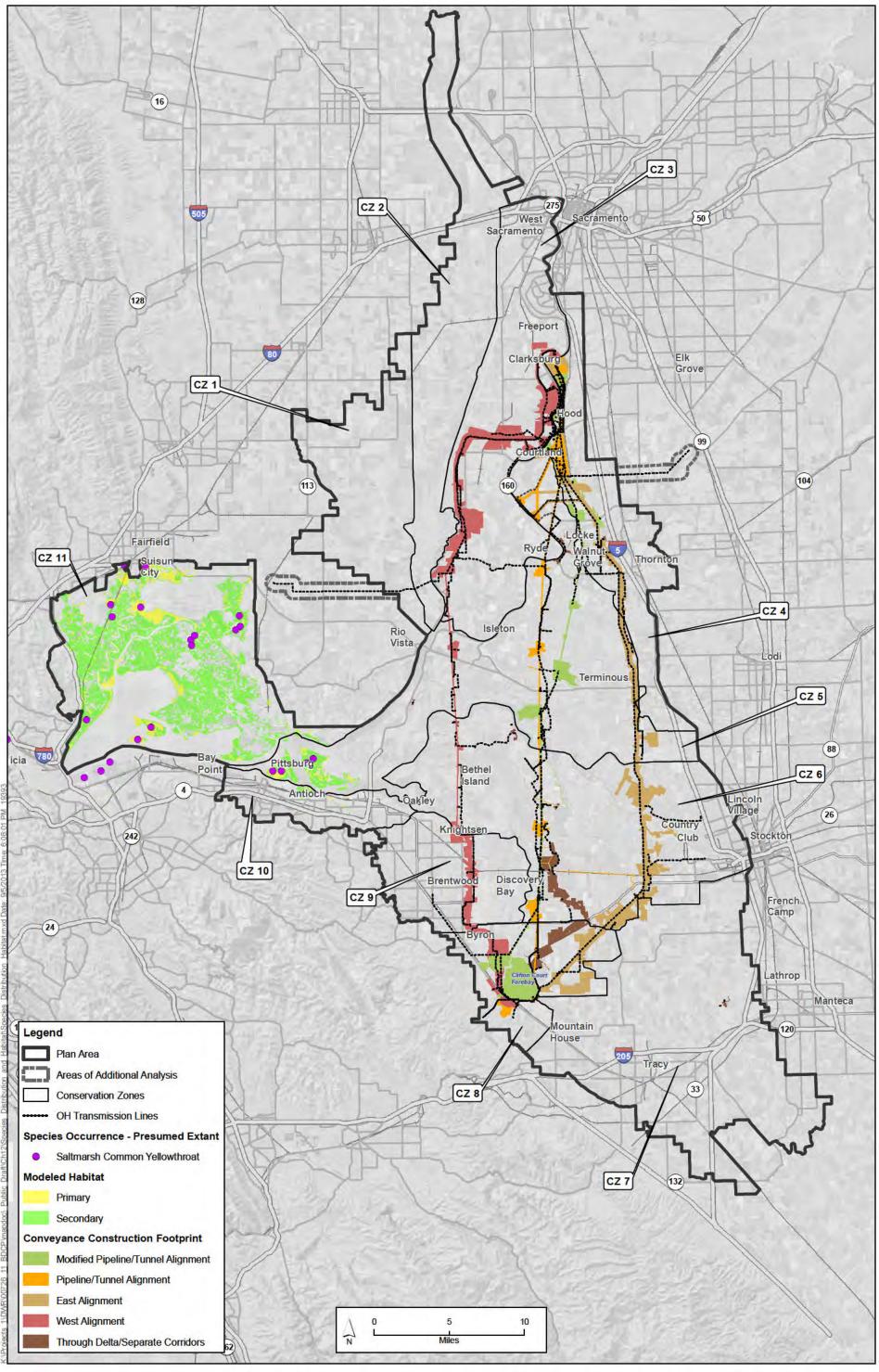


Figure 12-24 Yellow Warbler Distribution and Habitat in Study Area Vicinity



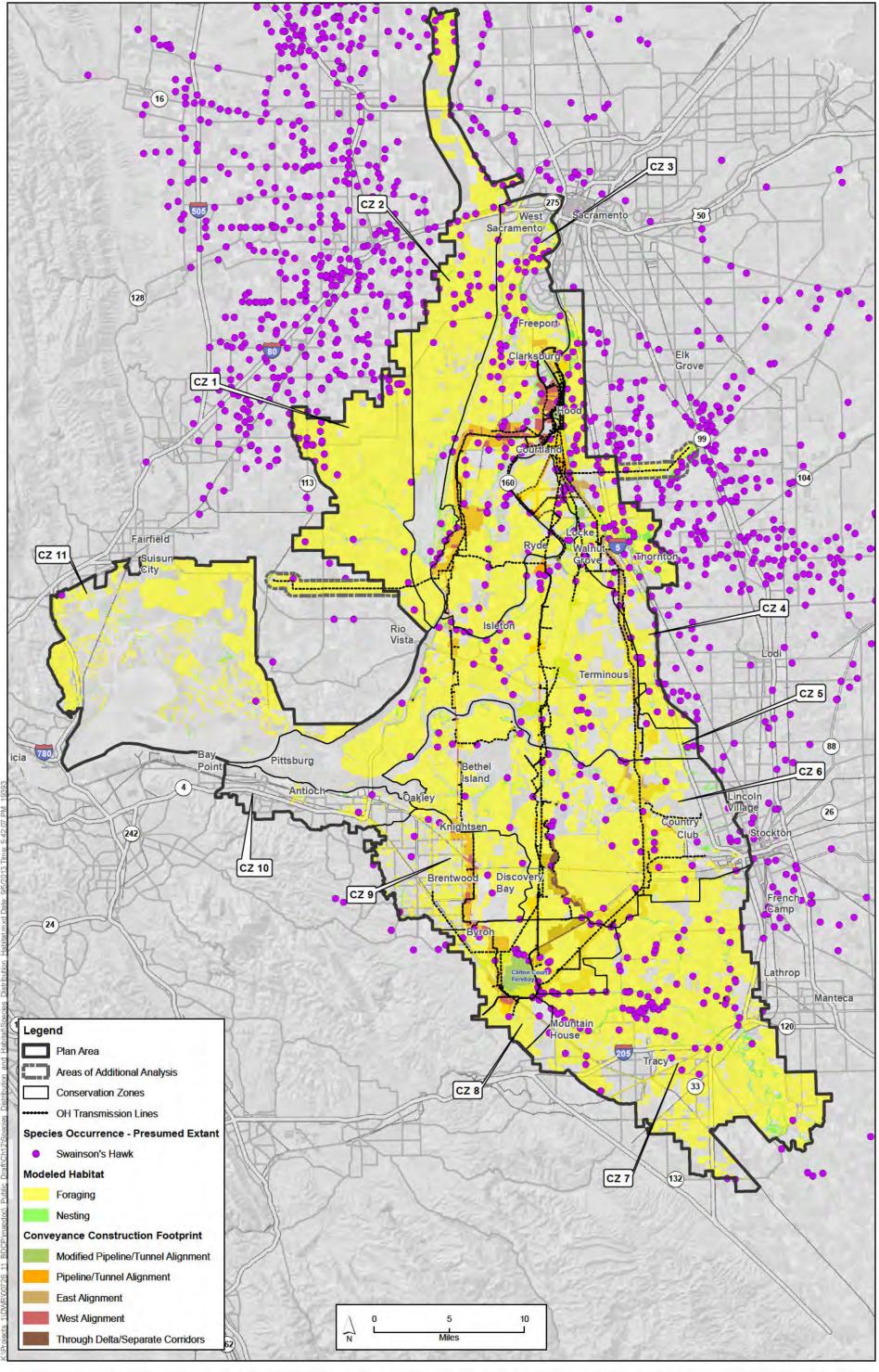
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013; Conservation Zones, SAIC 2012.

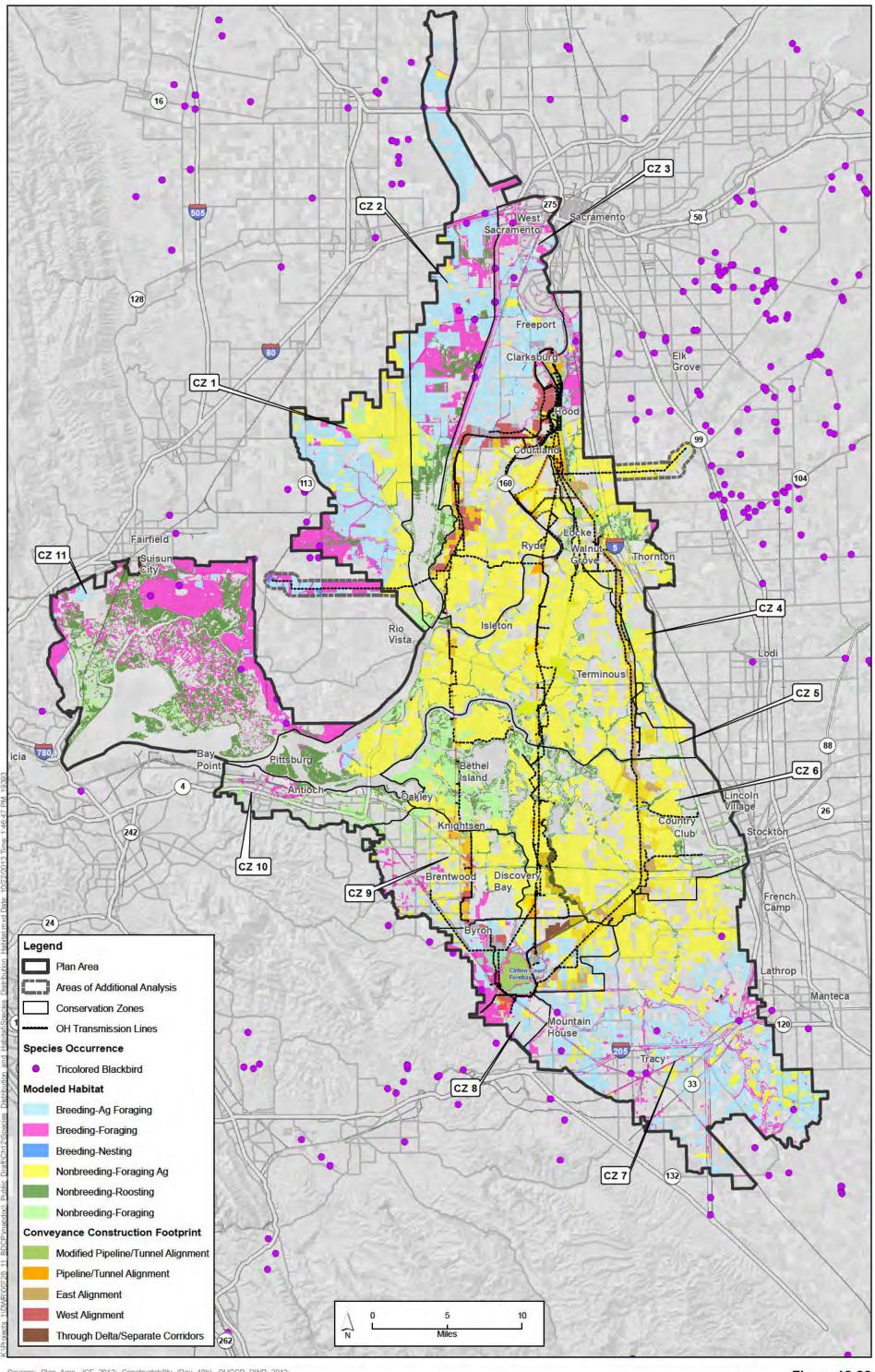
Figure 12-25 Suisun Song Sparrow Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Modeled Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-26 Saltmarsh Common Yellowthroat Distribution and Habitat in Study Area Vicinity





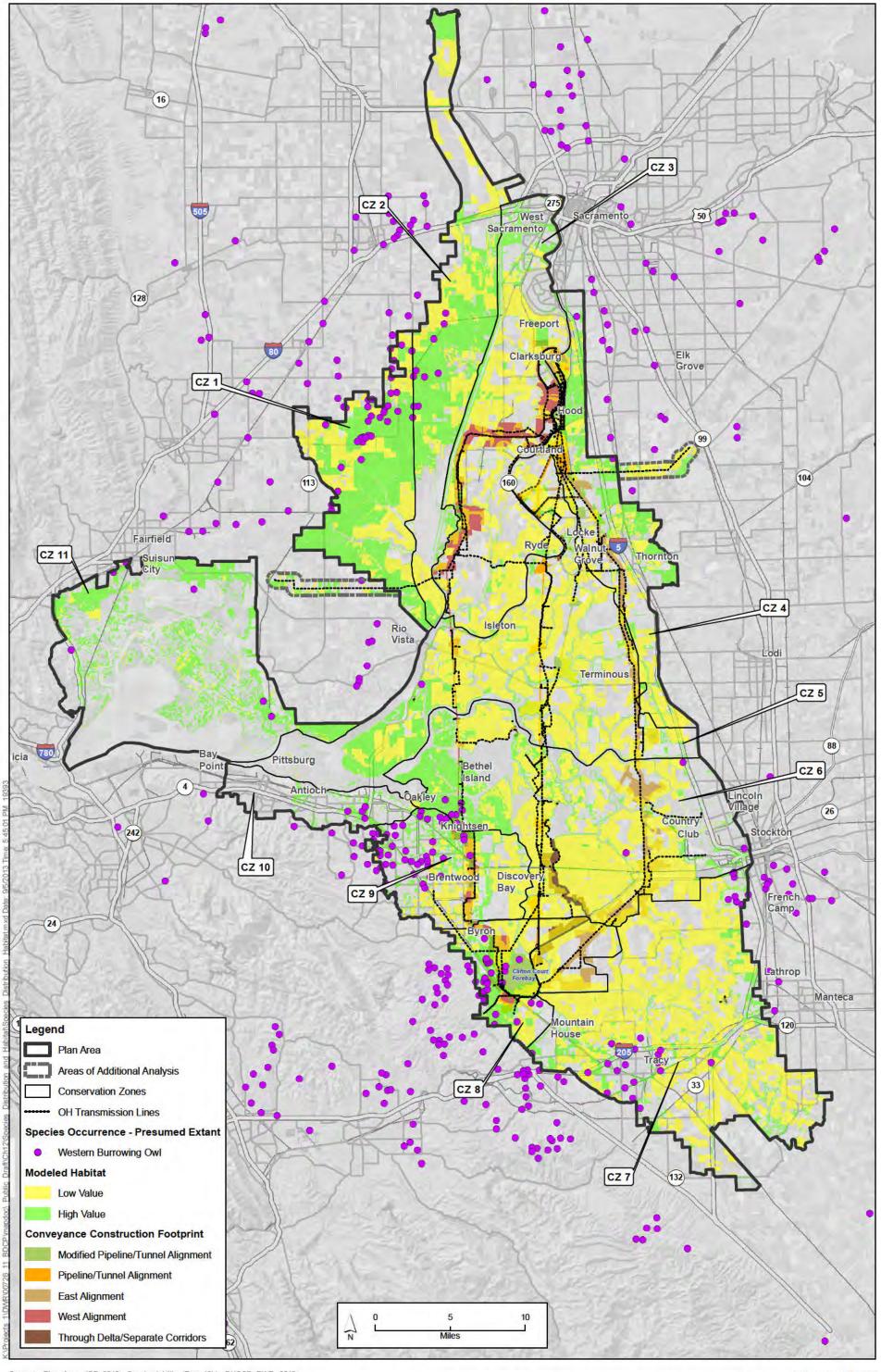
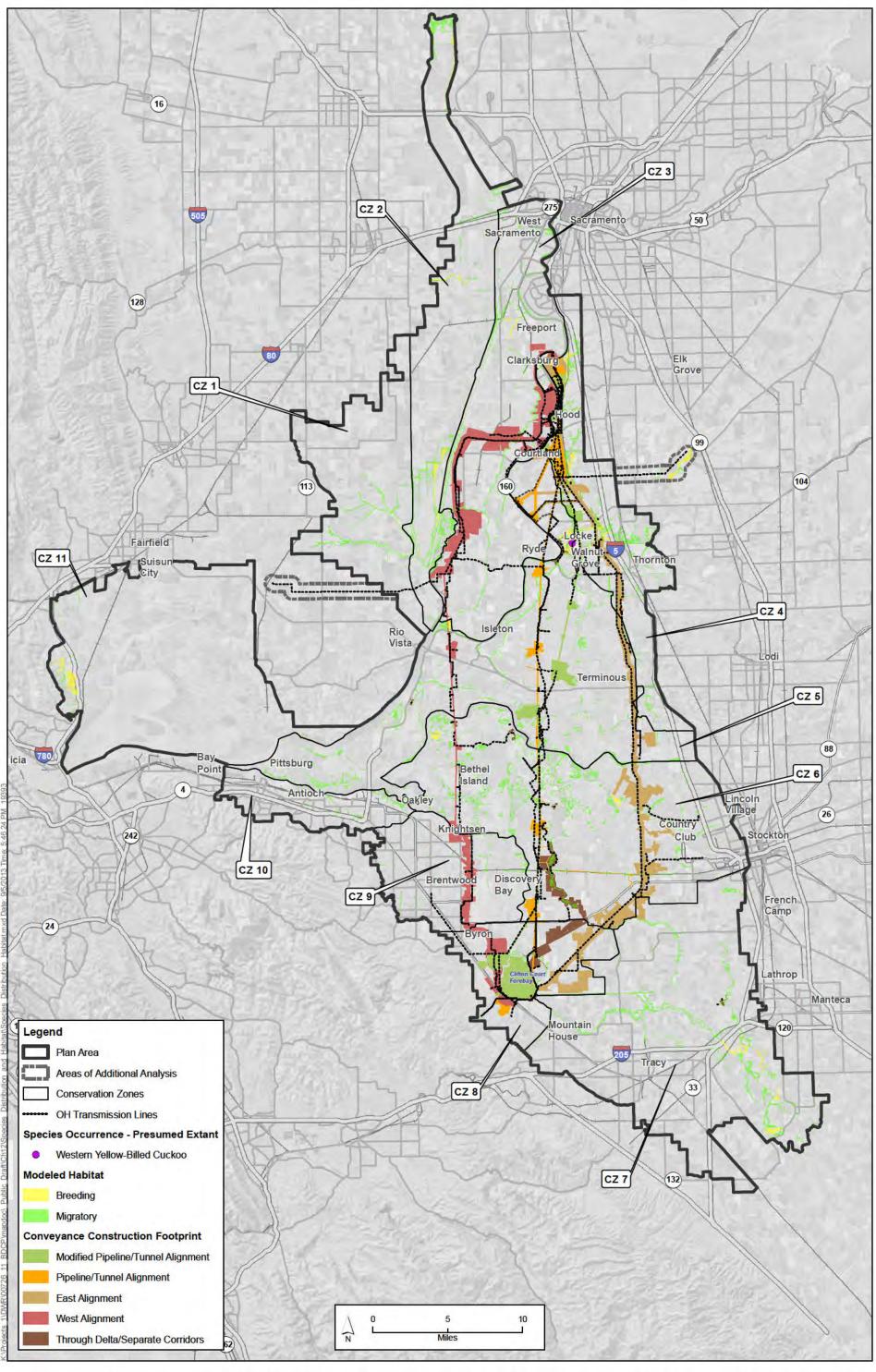


Figure 12-29
Western Burrowing Owl Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-30 Western Yellow-Billed Cuckoo Distribution and Habitat in Study Area Vicinity

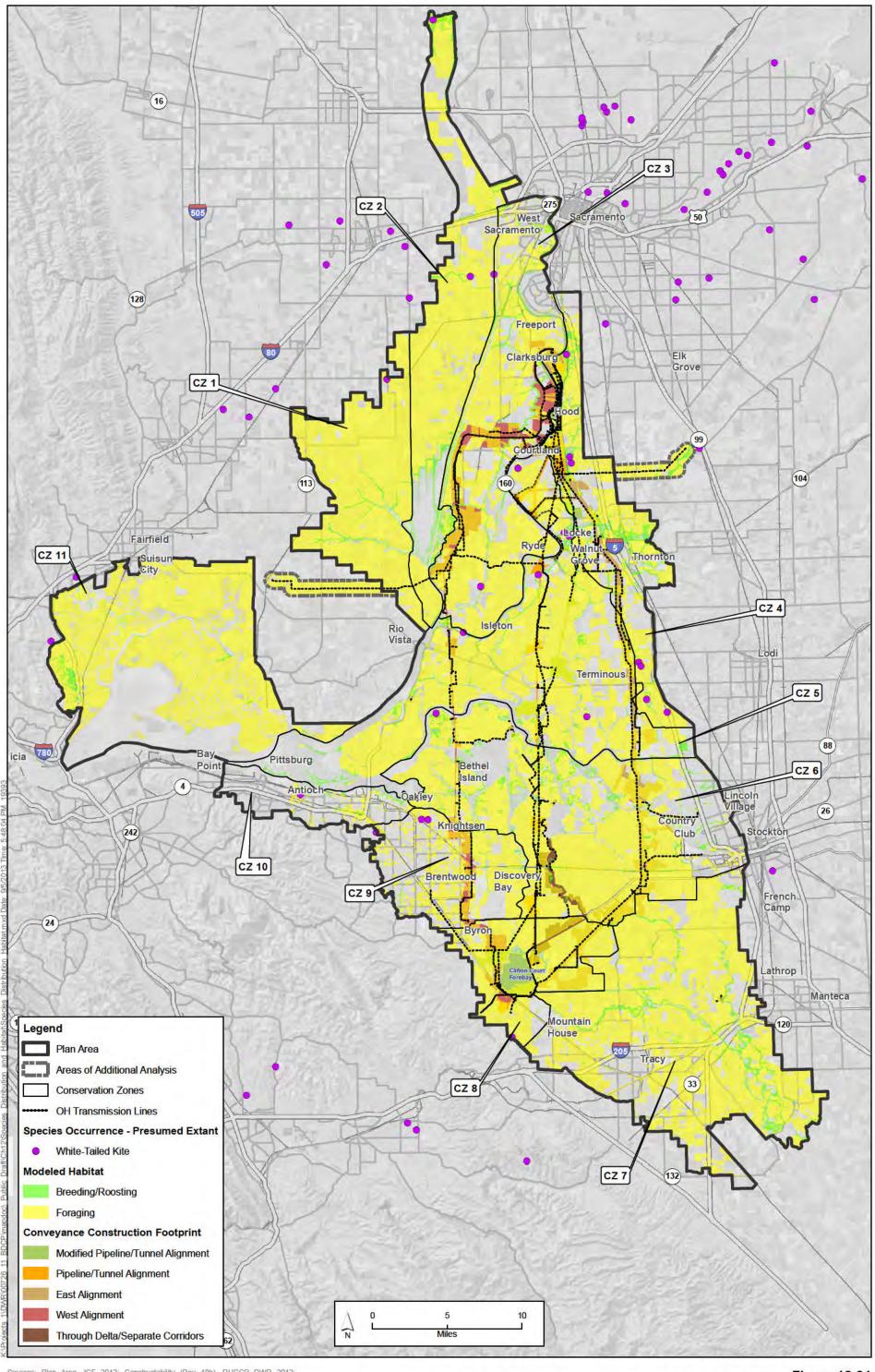


Figure 12-31 White-Tailed Kite Distribution and Habitat in Study Area Vicinity

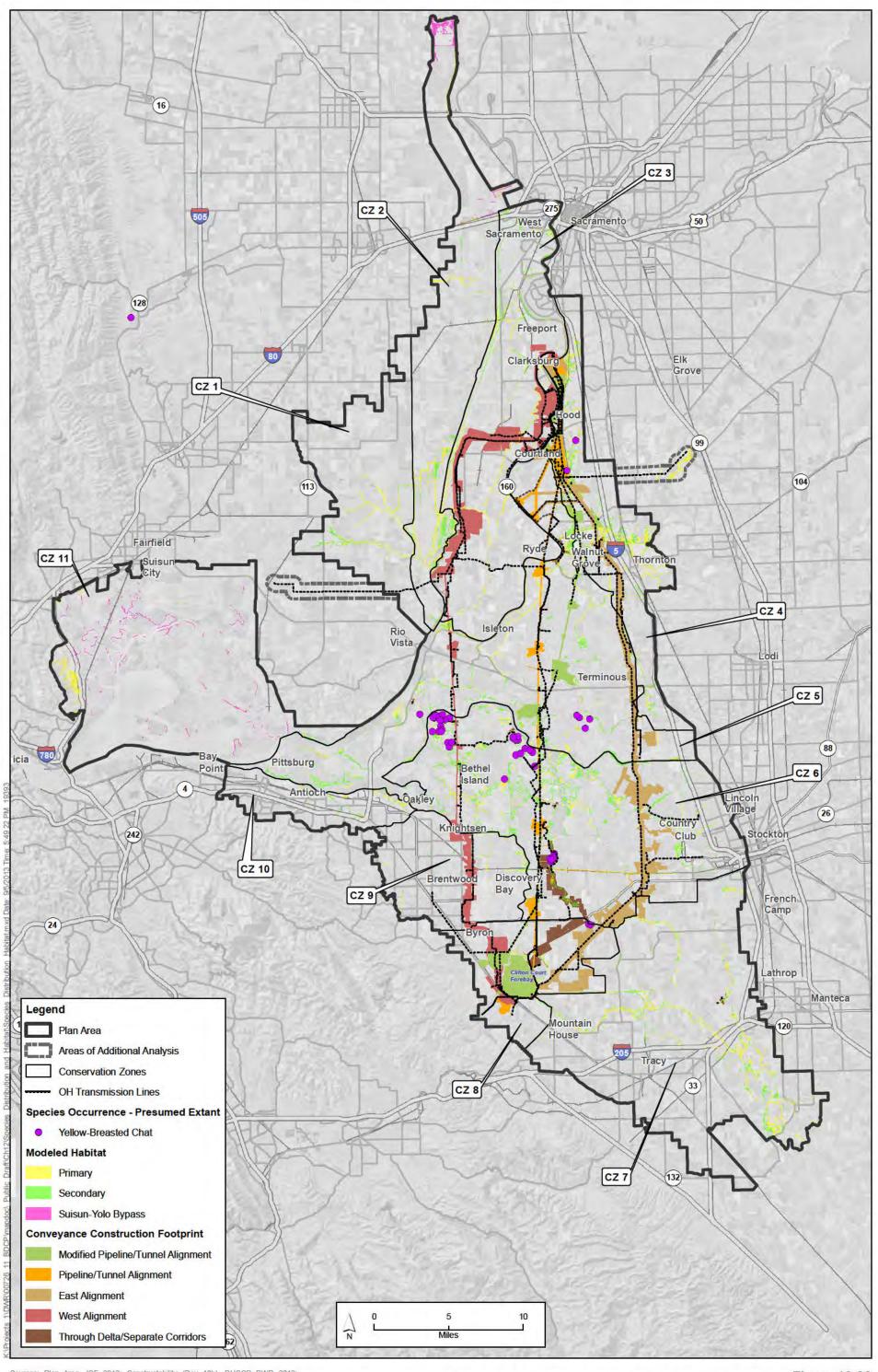
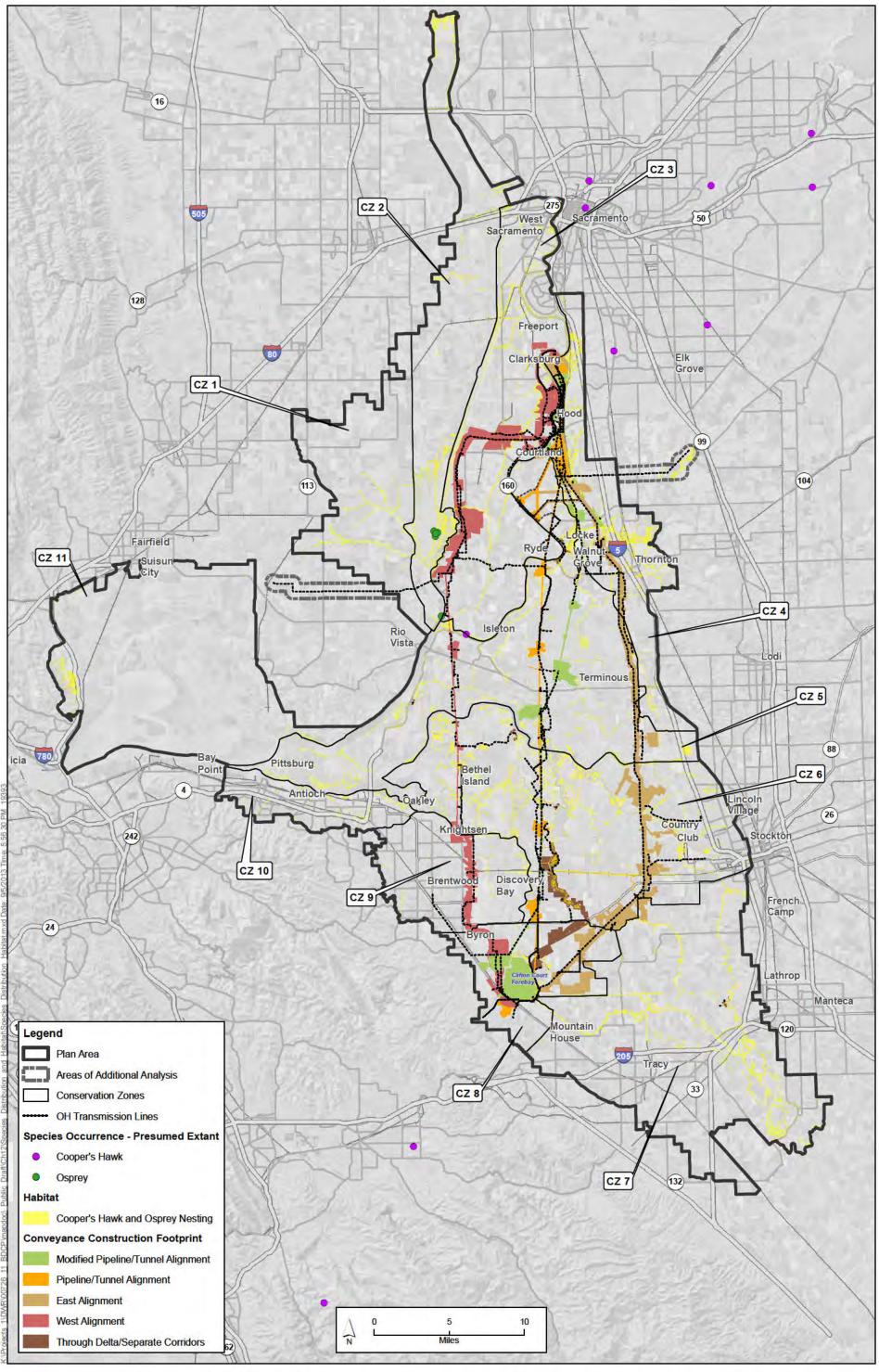
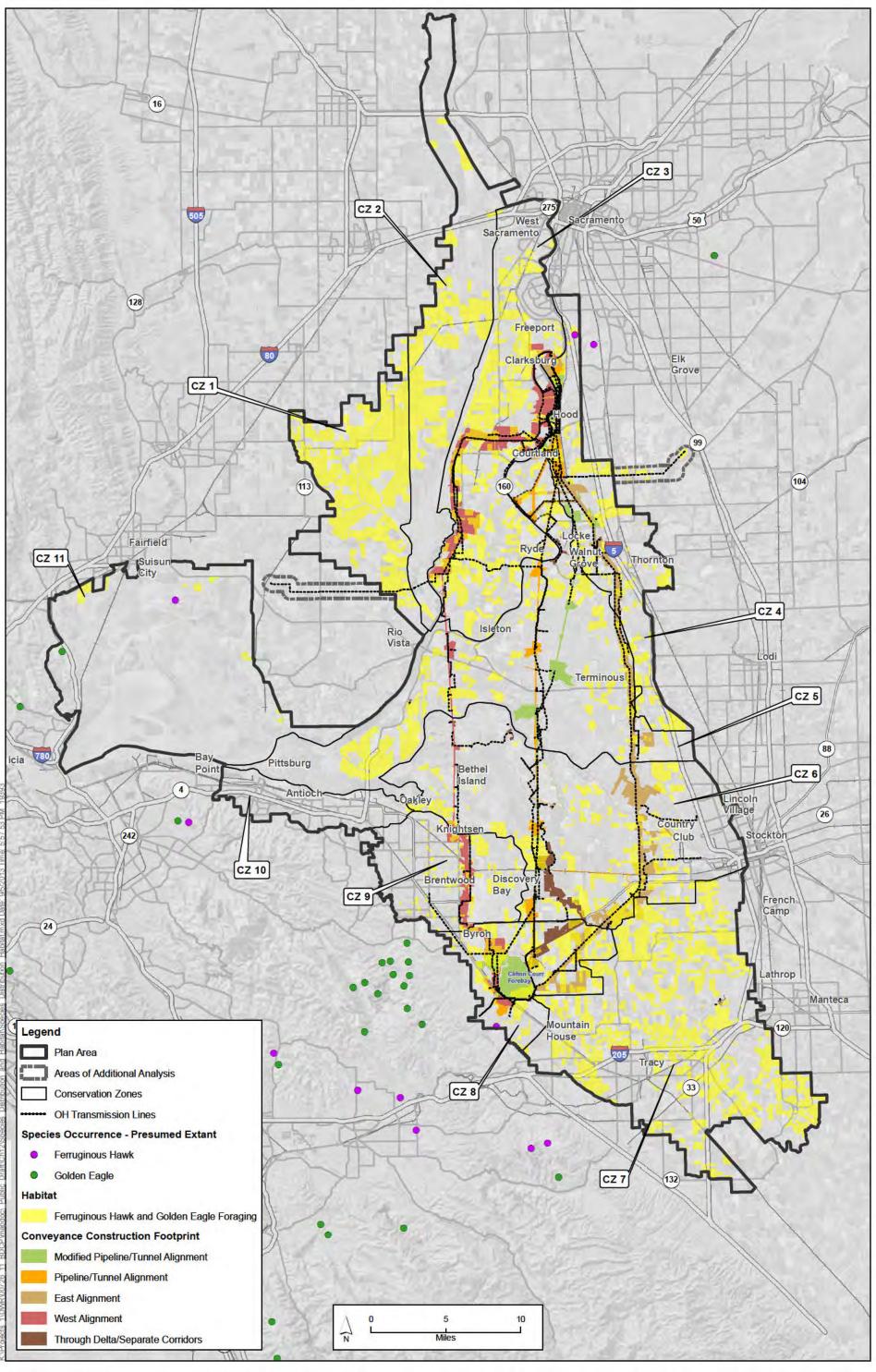


Figure 12-32 Yellow-Breasted Chat Distribution and Habitat in Study Area Vicinity





Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-34 Ferruginous Hawk and Golden Eagle Distribution and Habitat in Study Area Vicinity

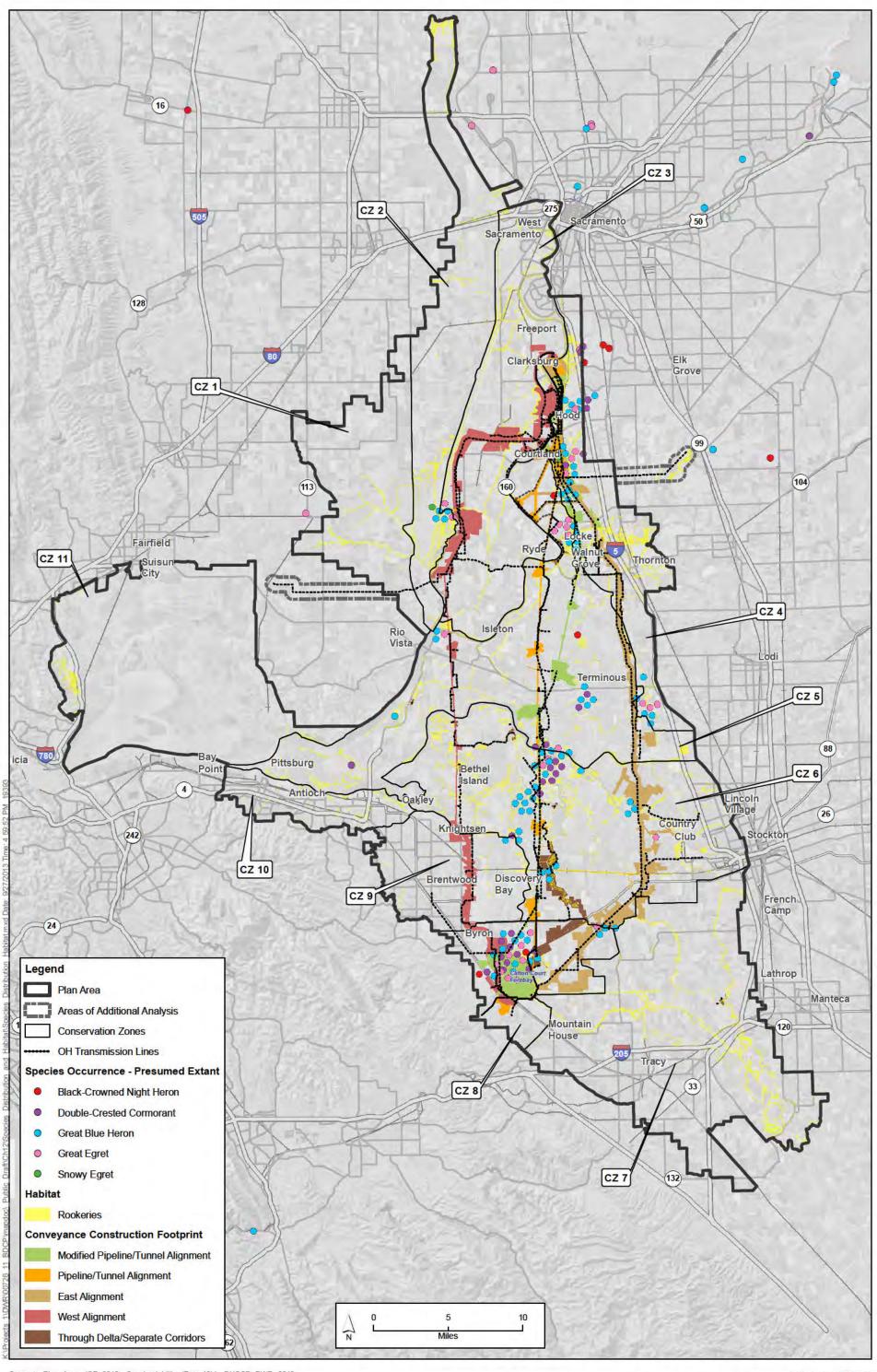
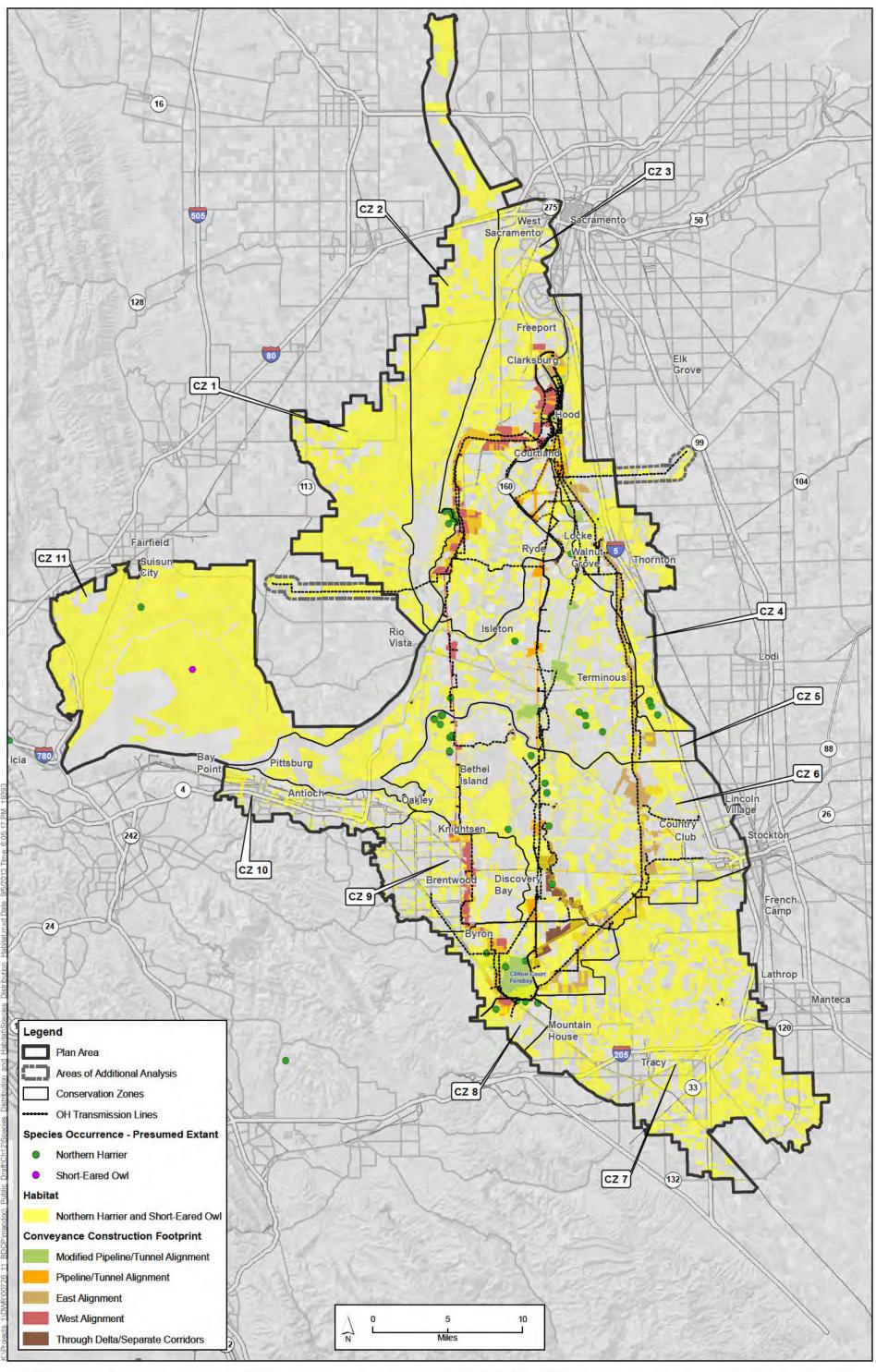
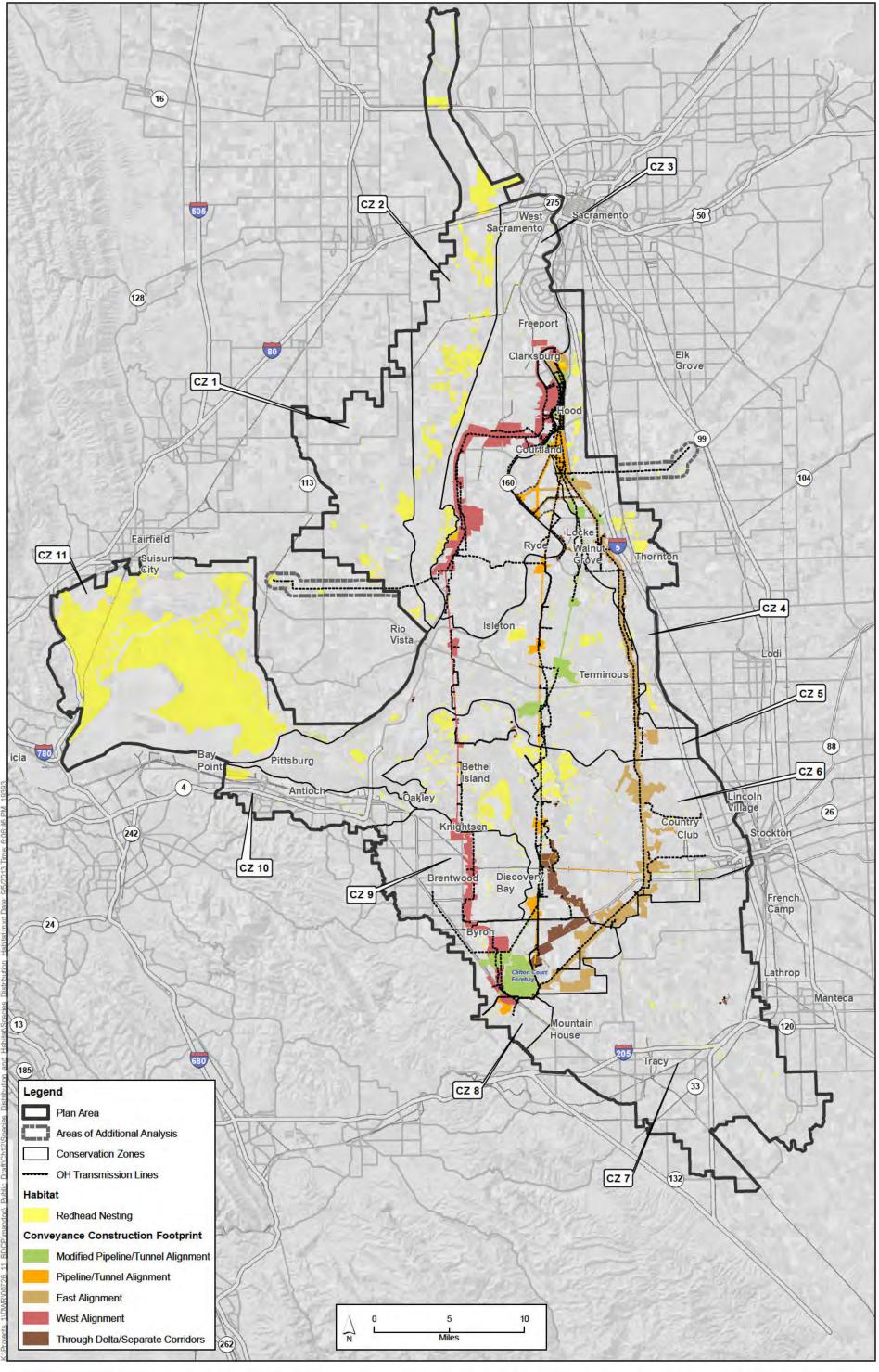


Figure 12-35 Rookeries Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, DHCCP DWR 2011 and CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-36 Northern Harrier and Short-Eared Owl Distribution and Habitat in Study Area Vicinity



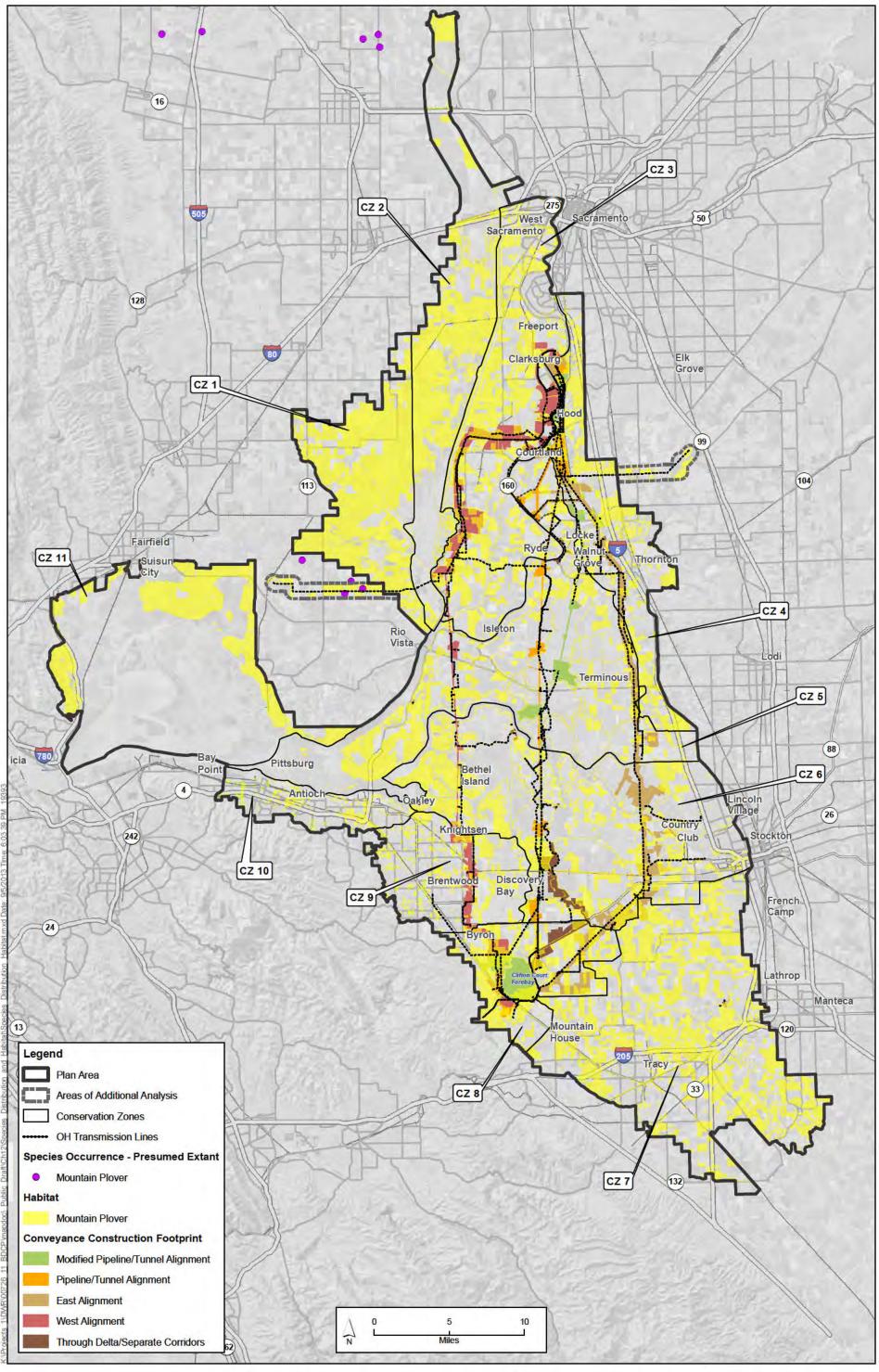


Figure 12-38 Mountain Plover Distribution and Habitat in Study Area Vicinity

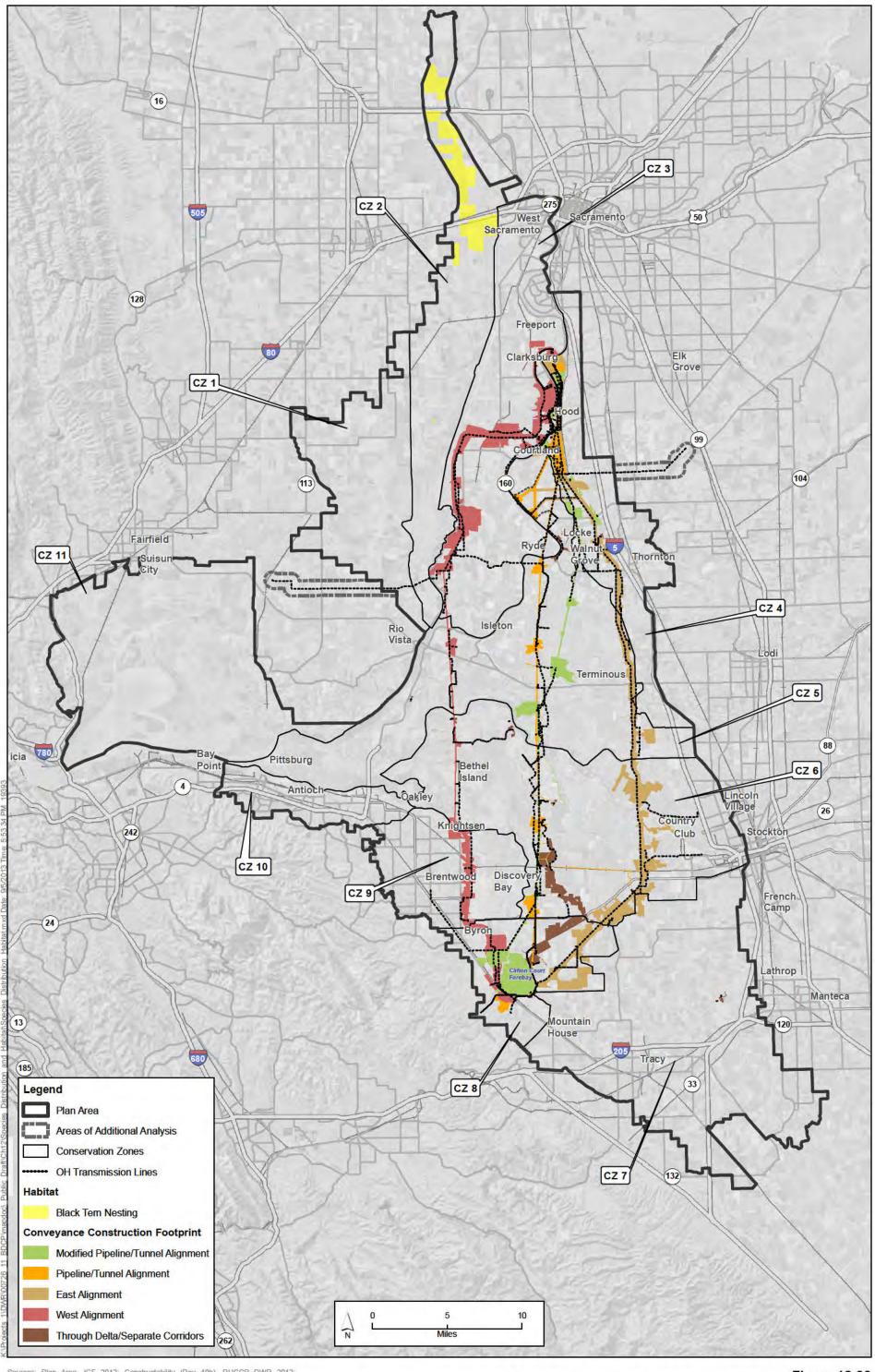
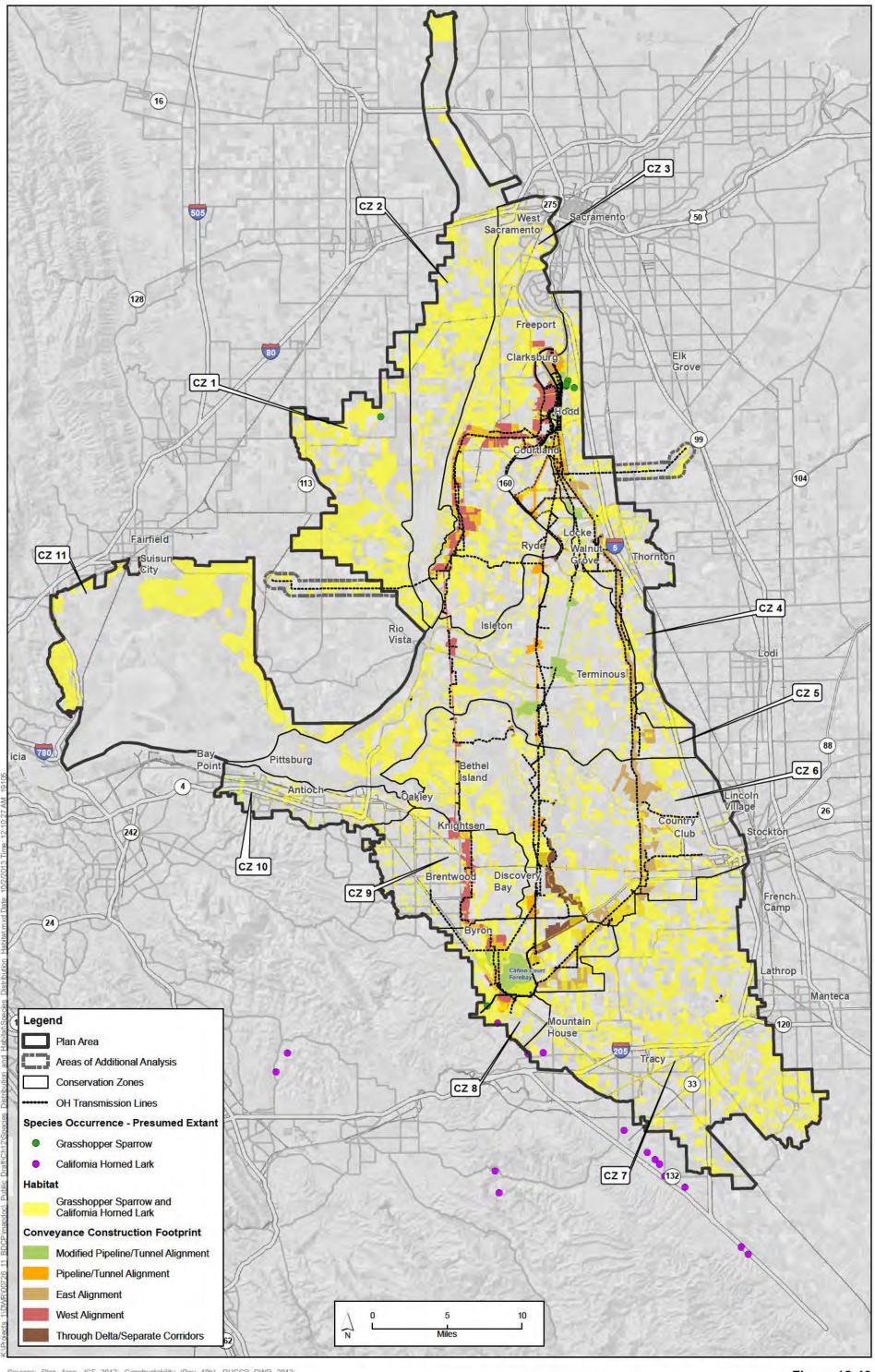
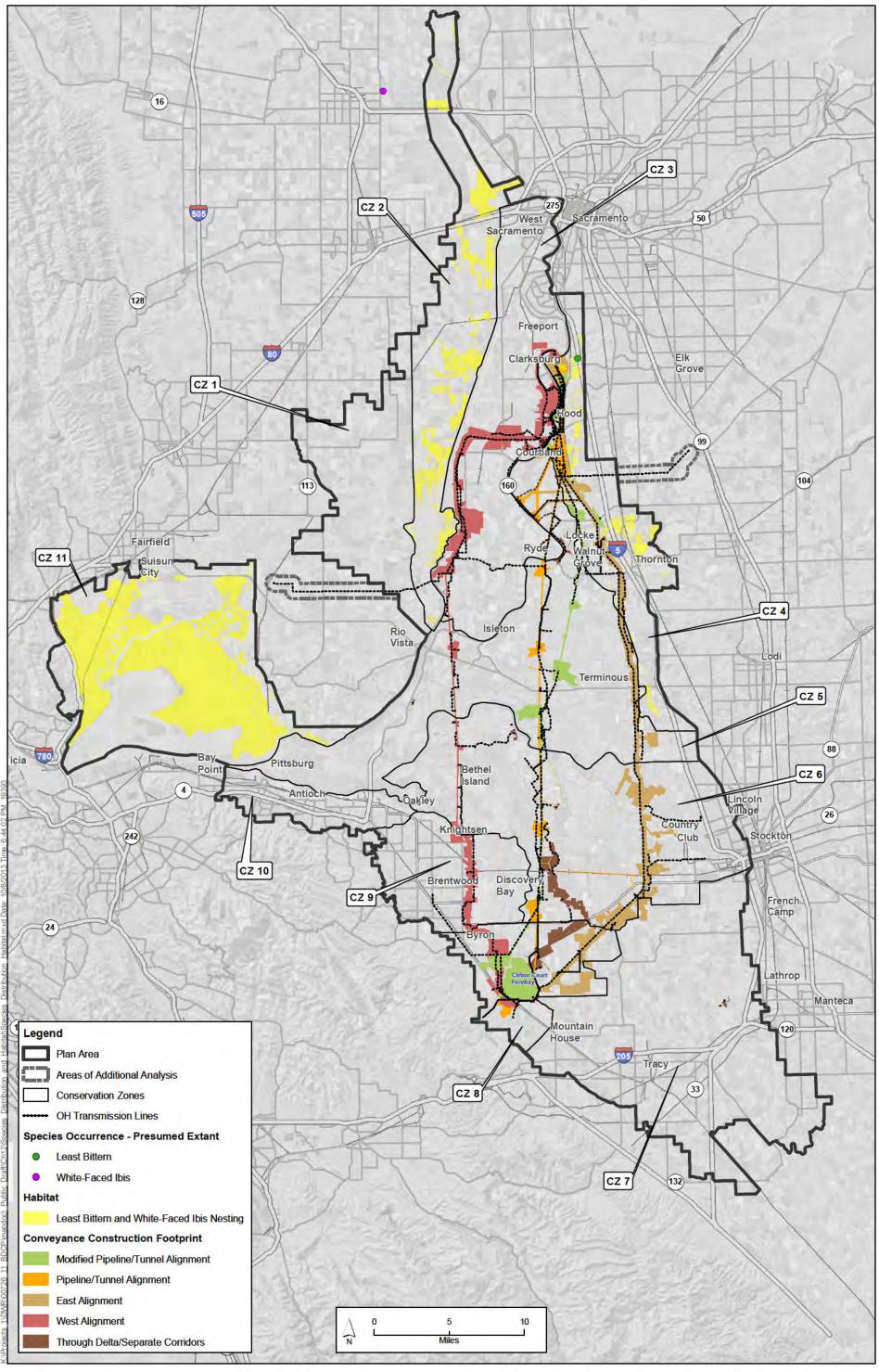


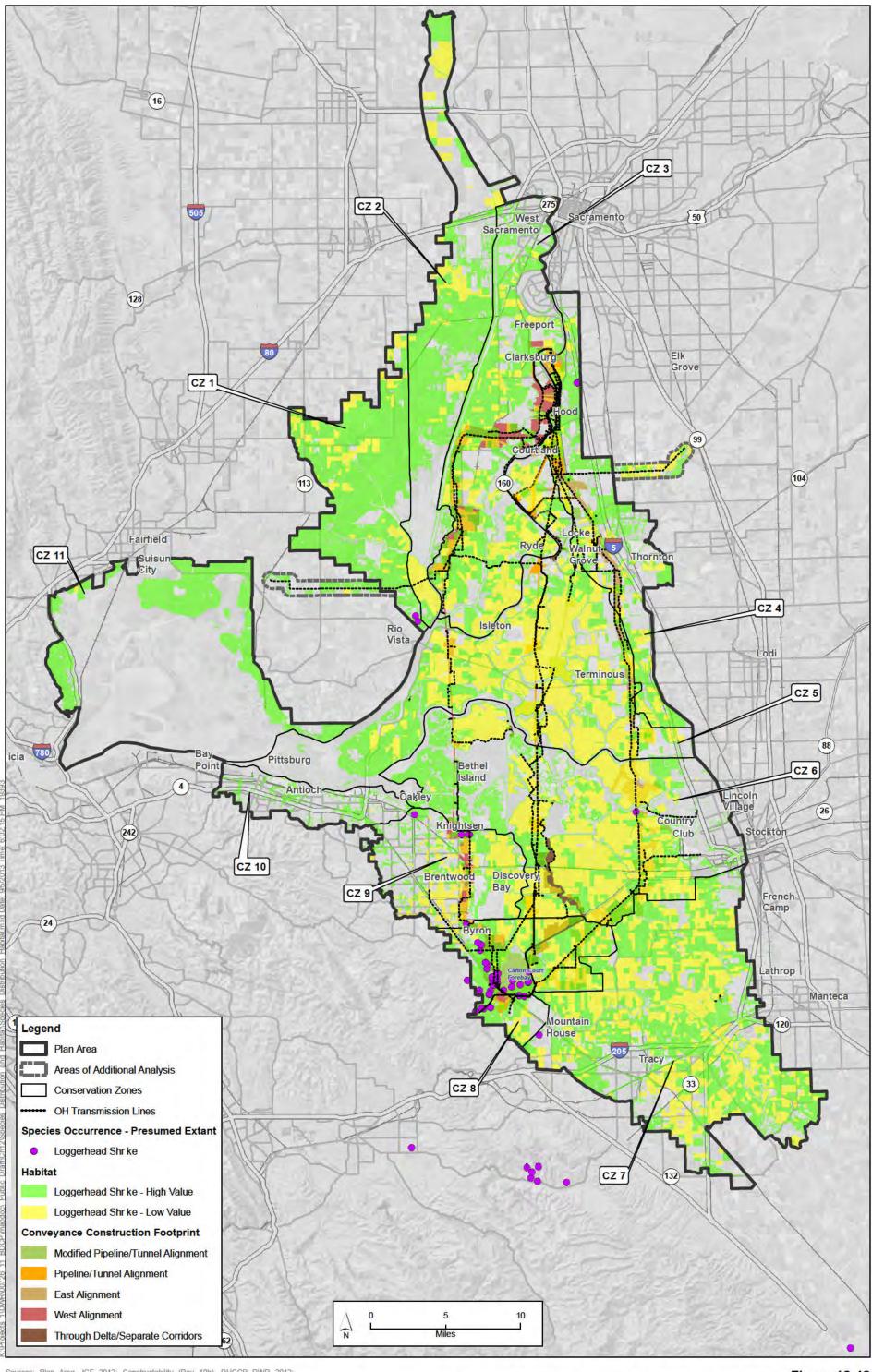
Figure 12-39 Black Tern Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, DHCCP DWR 2011 and CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

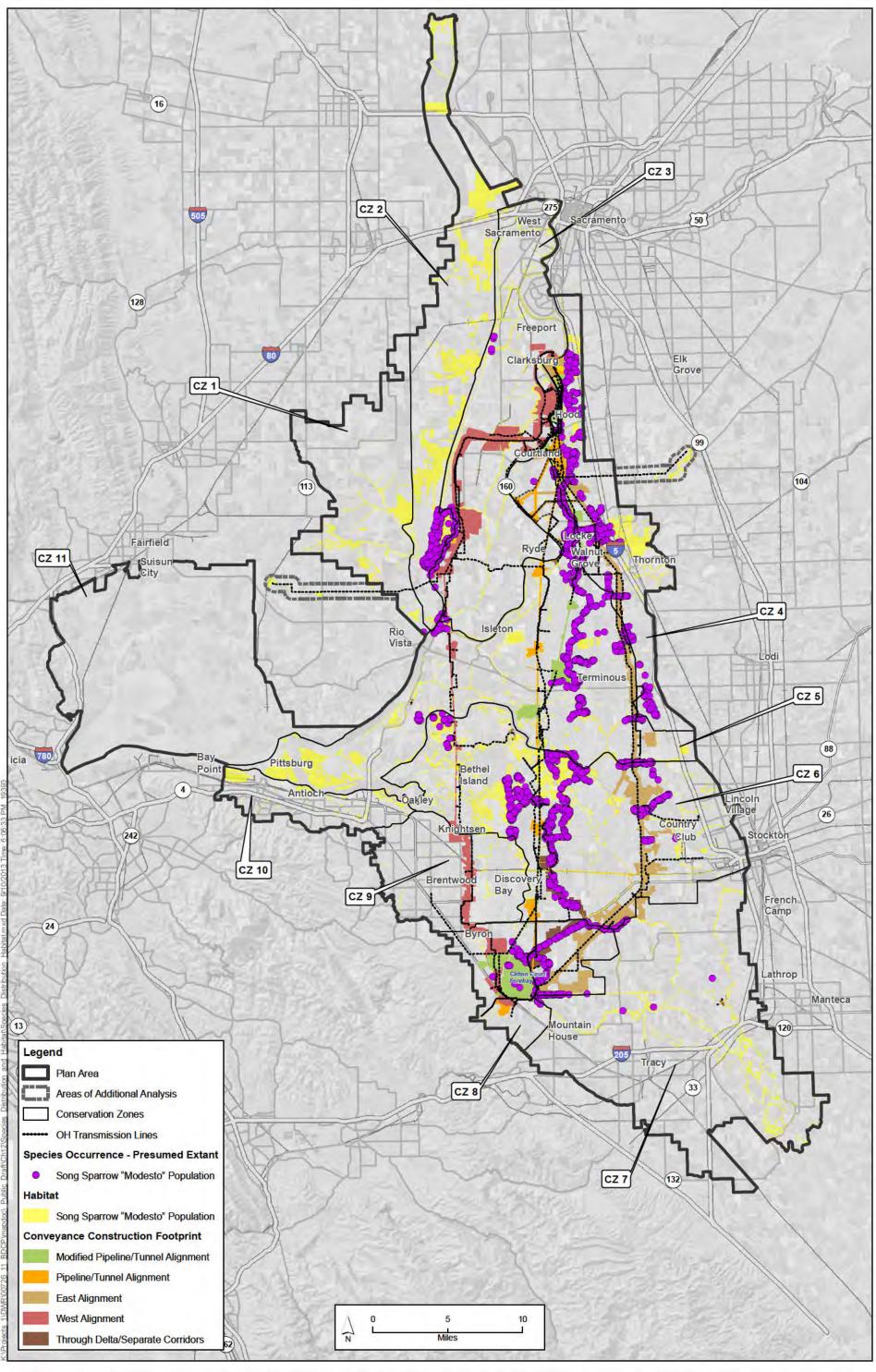
Figure 12-40 Grasshopper Sparrow and California Horned Lark Distribution and Habitat in Study Area Vicinity





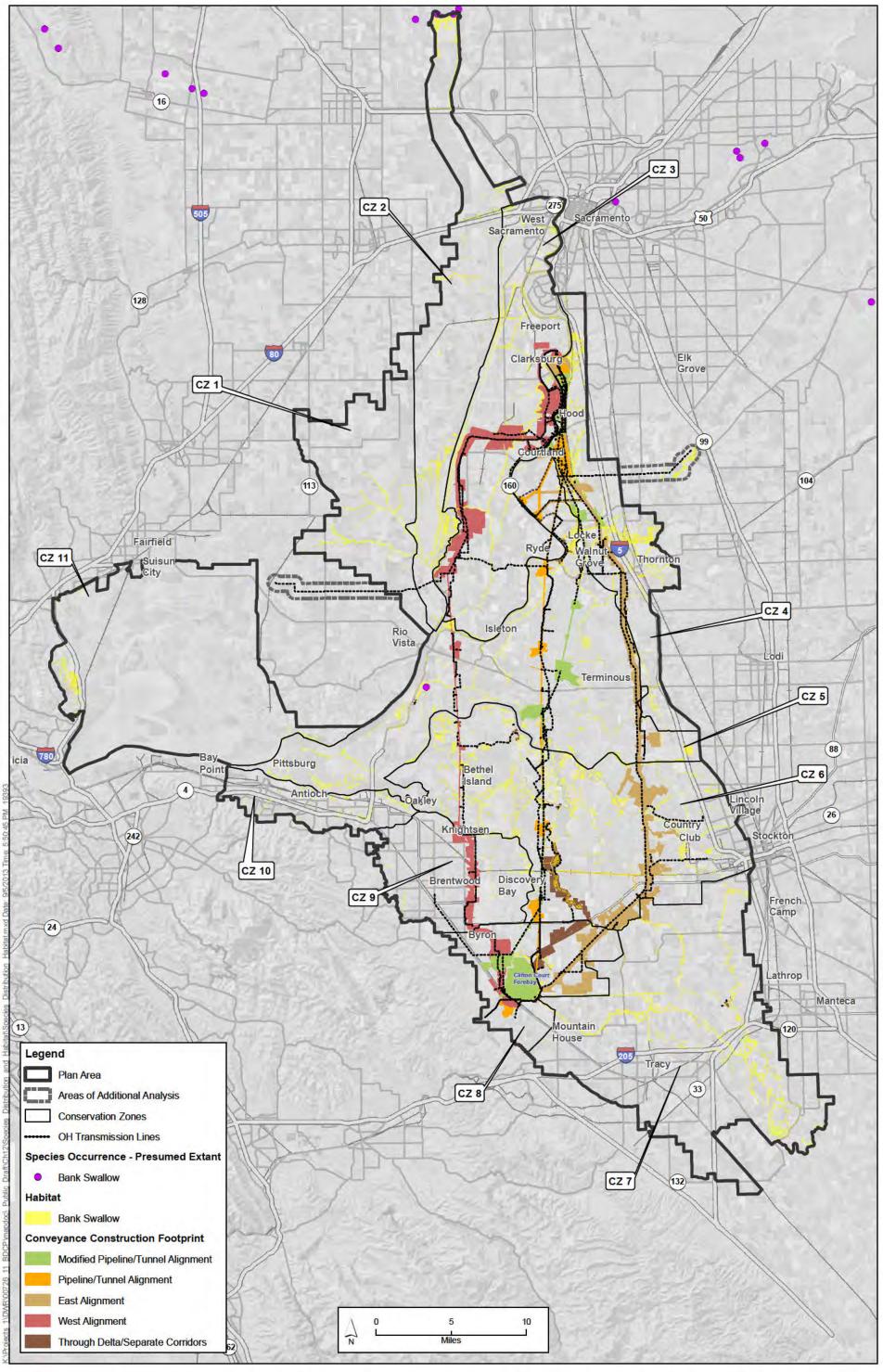
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, DHCCP DWR 2011 and CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-42 Loggerhead Shrike Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-43 Song Sparrow "Modesto" Population Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-44
Bank Swallow Distribution and Habitat in Study Area Vicinity

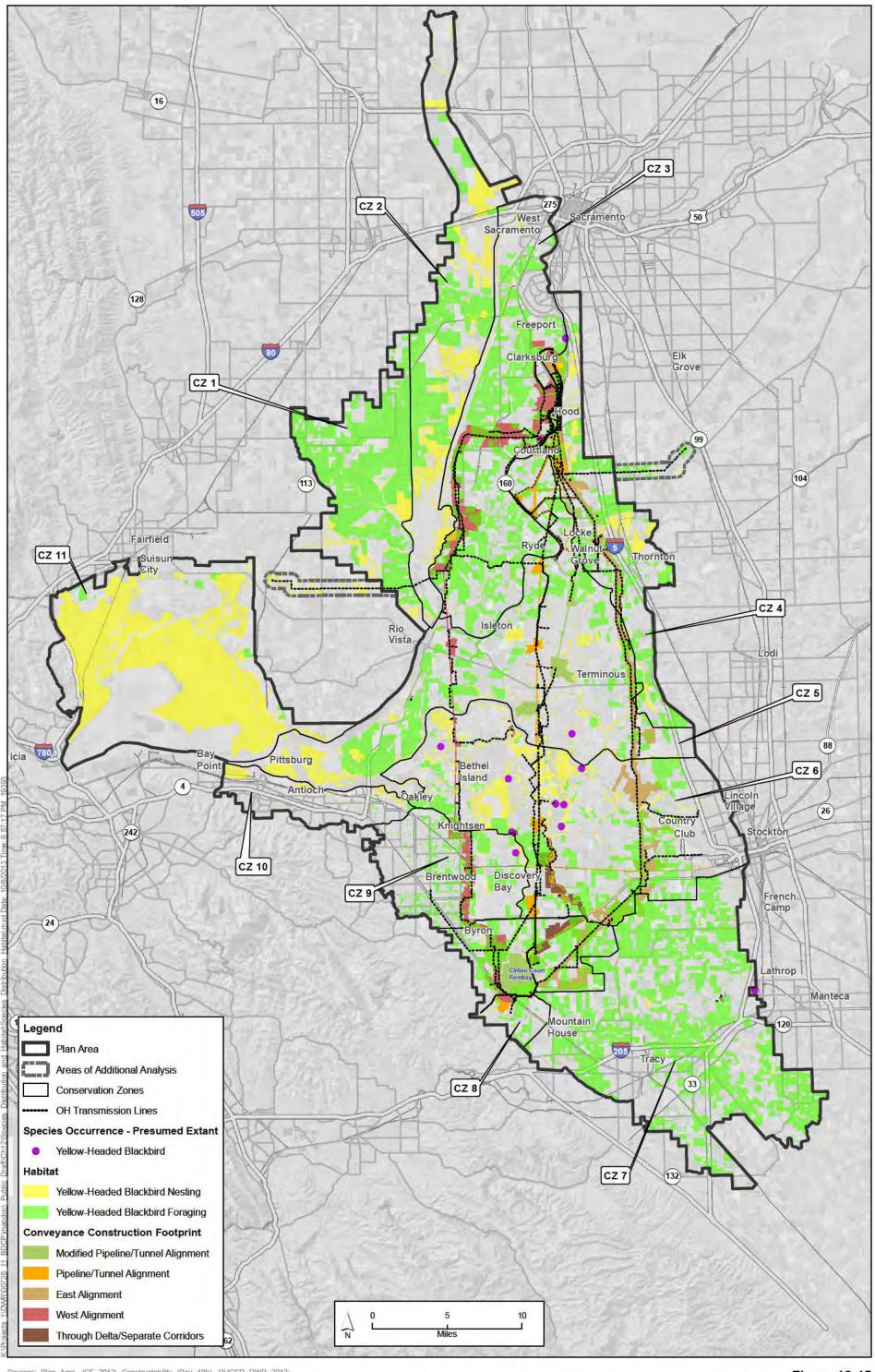


Figure 12-45 Yellow-Headed Blackbird Distribution and Habitat in Study Area Vicinity

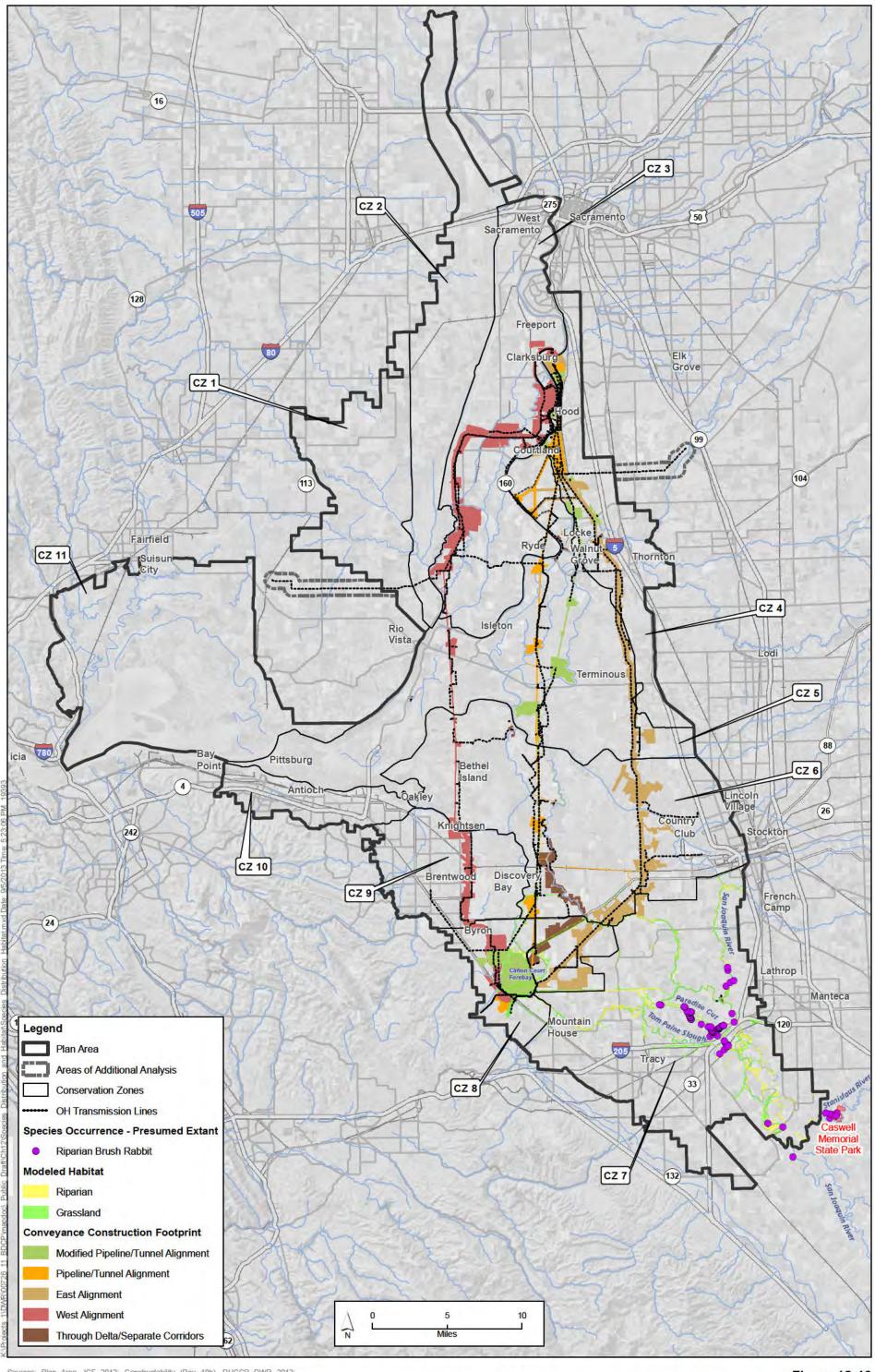


Figure 12-46 Riparian Brush Rabbit Distribution and Habitat in Study Area Vicinity

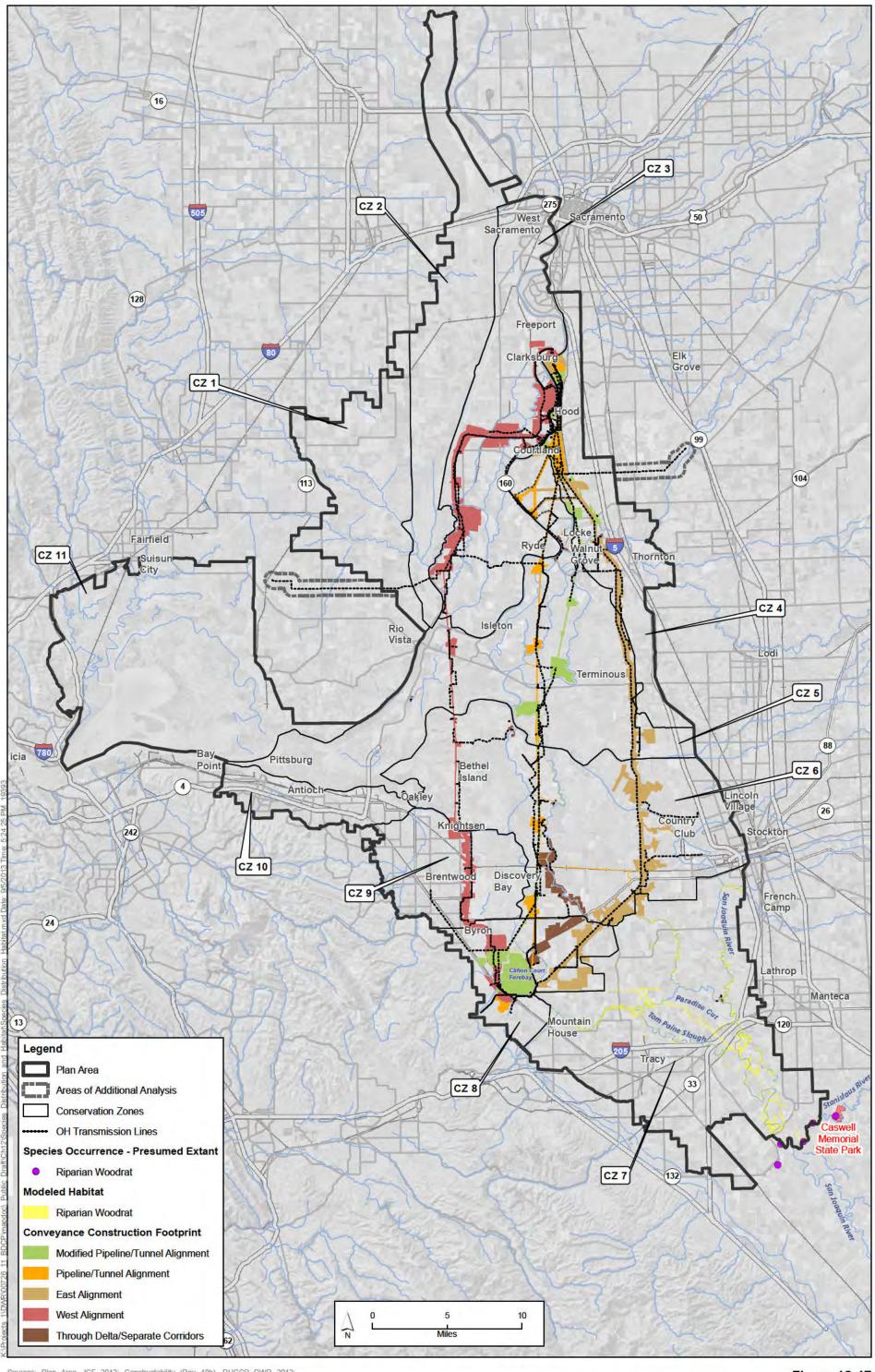
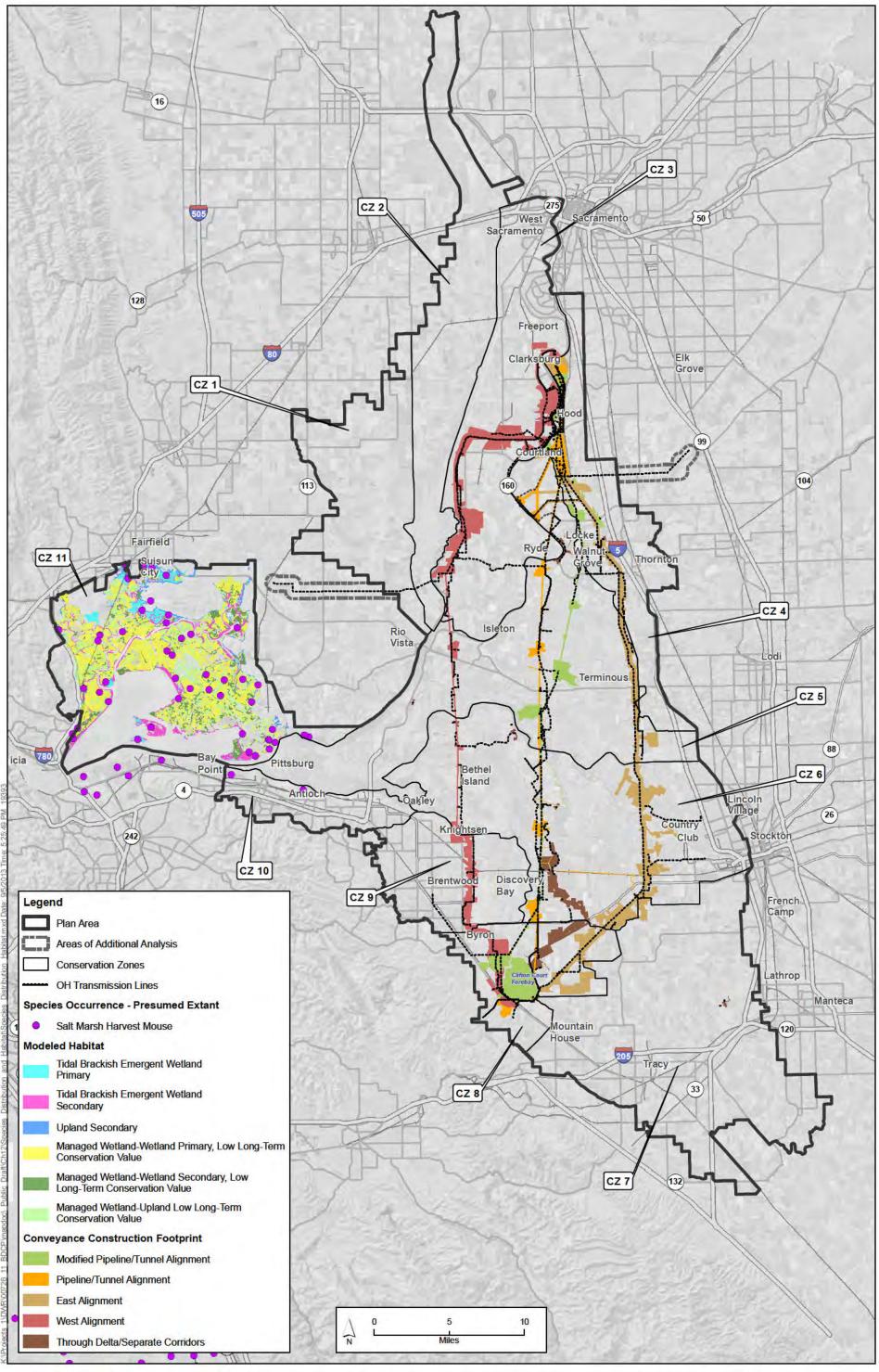


Figure 12-47 Riparian Woodrat Distribution and Habitat in Study Area Vicinity



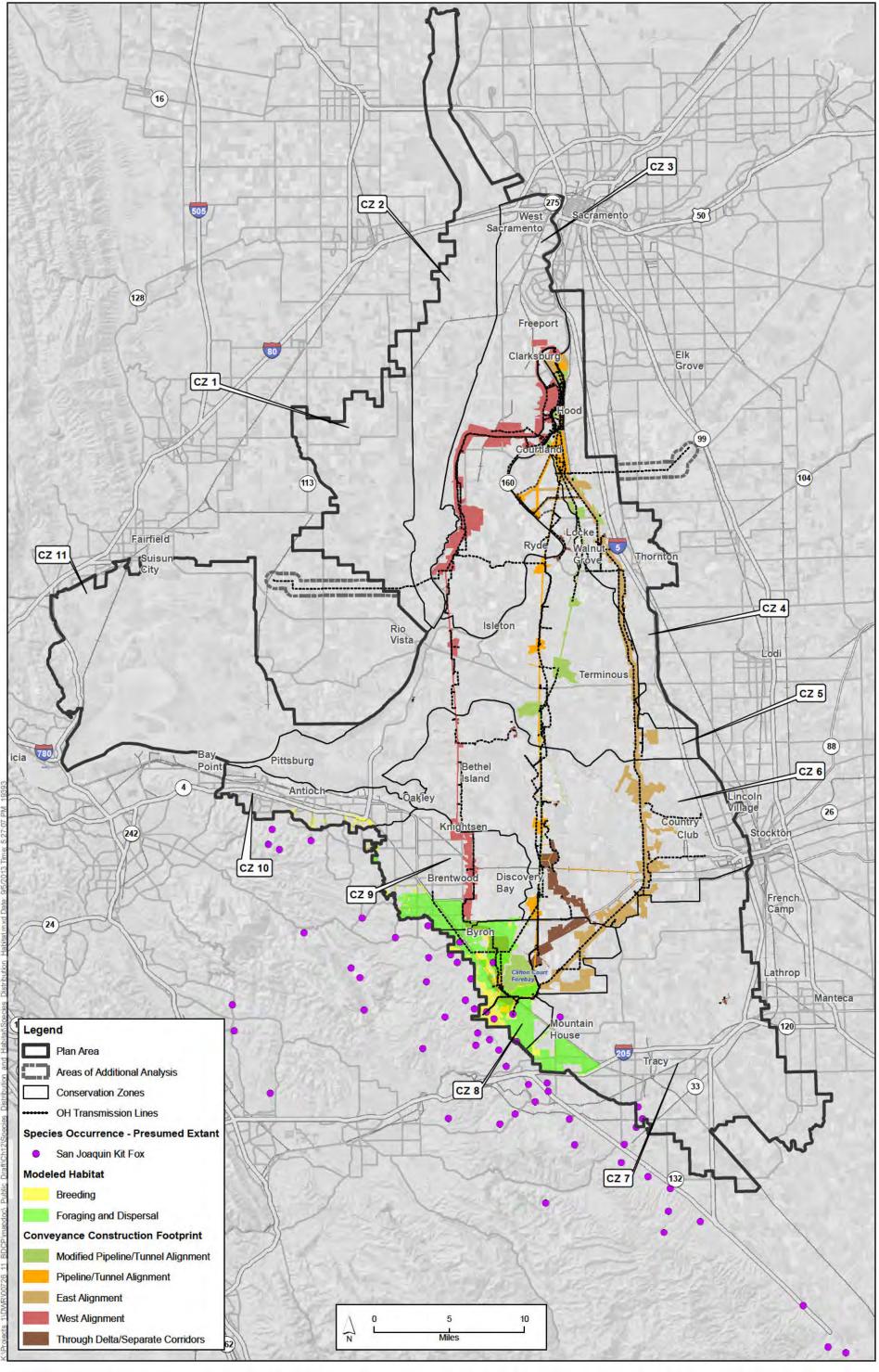


Figure 12-49
San Joaquin Kit Fox Distribution and Habitat in Study Area Vicinity

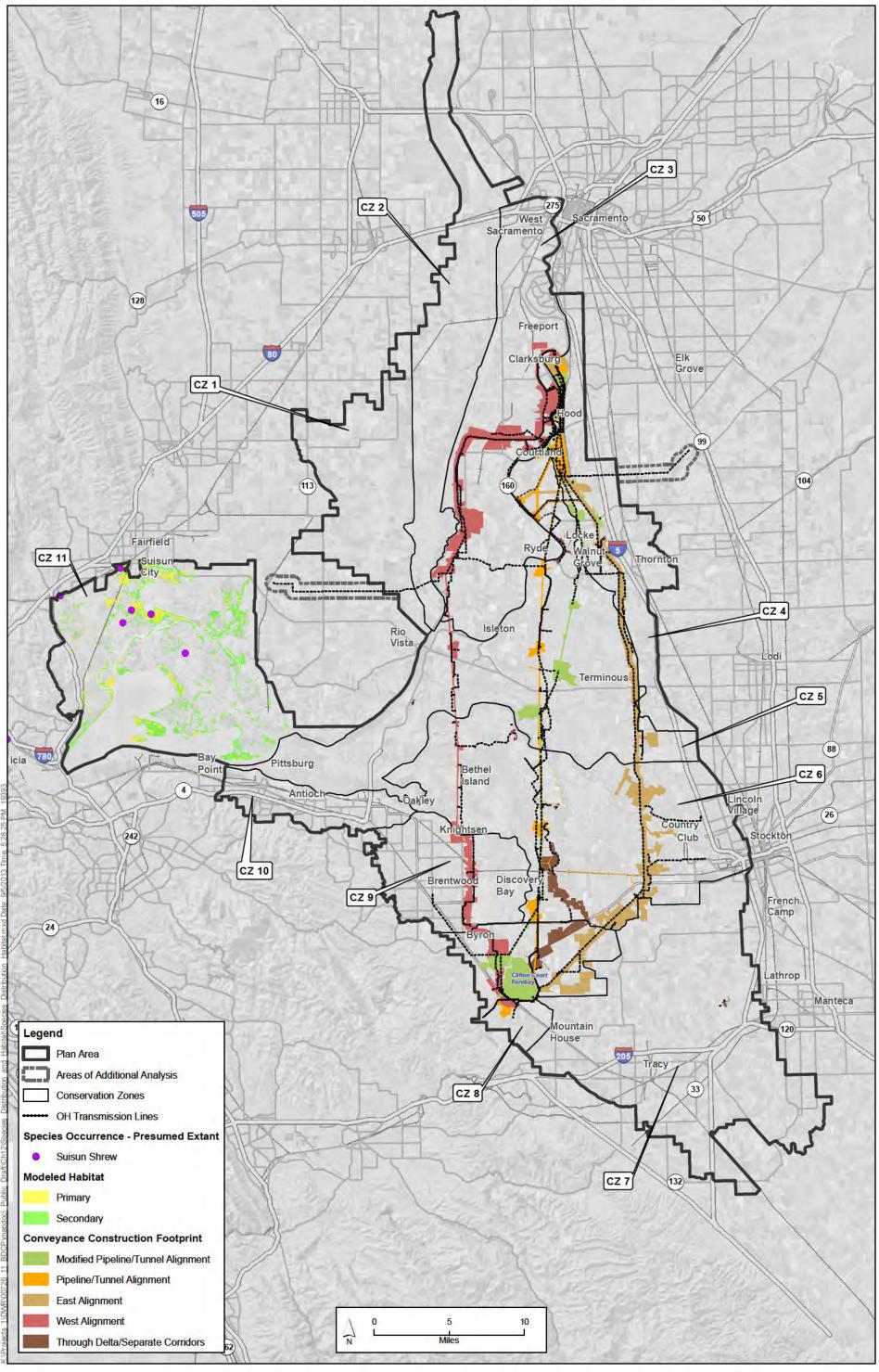
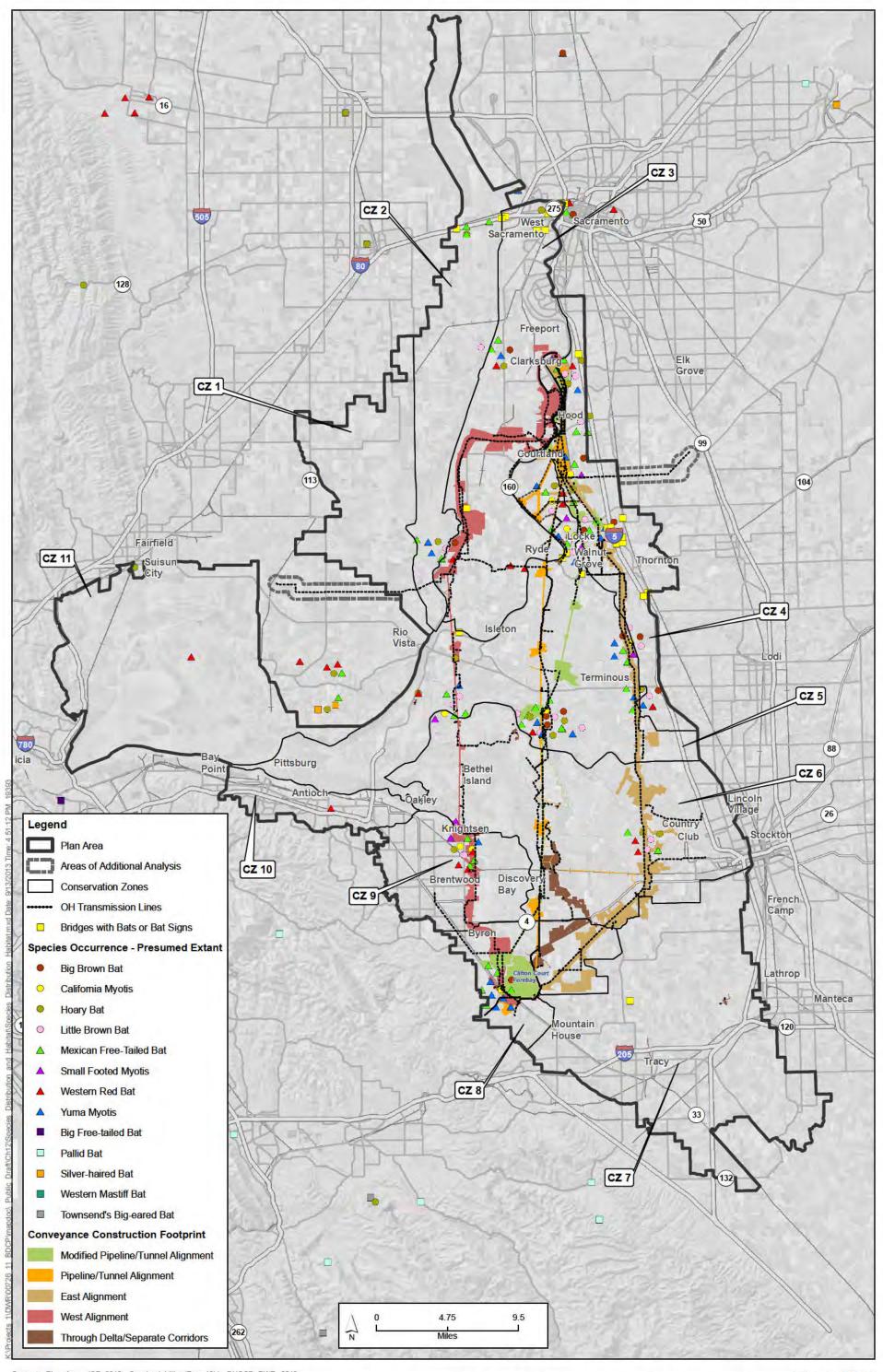
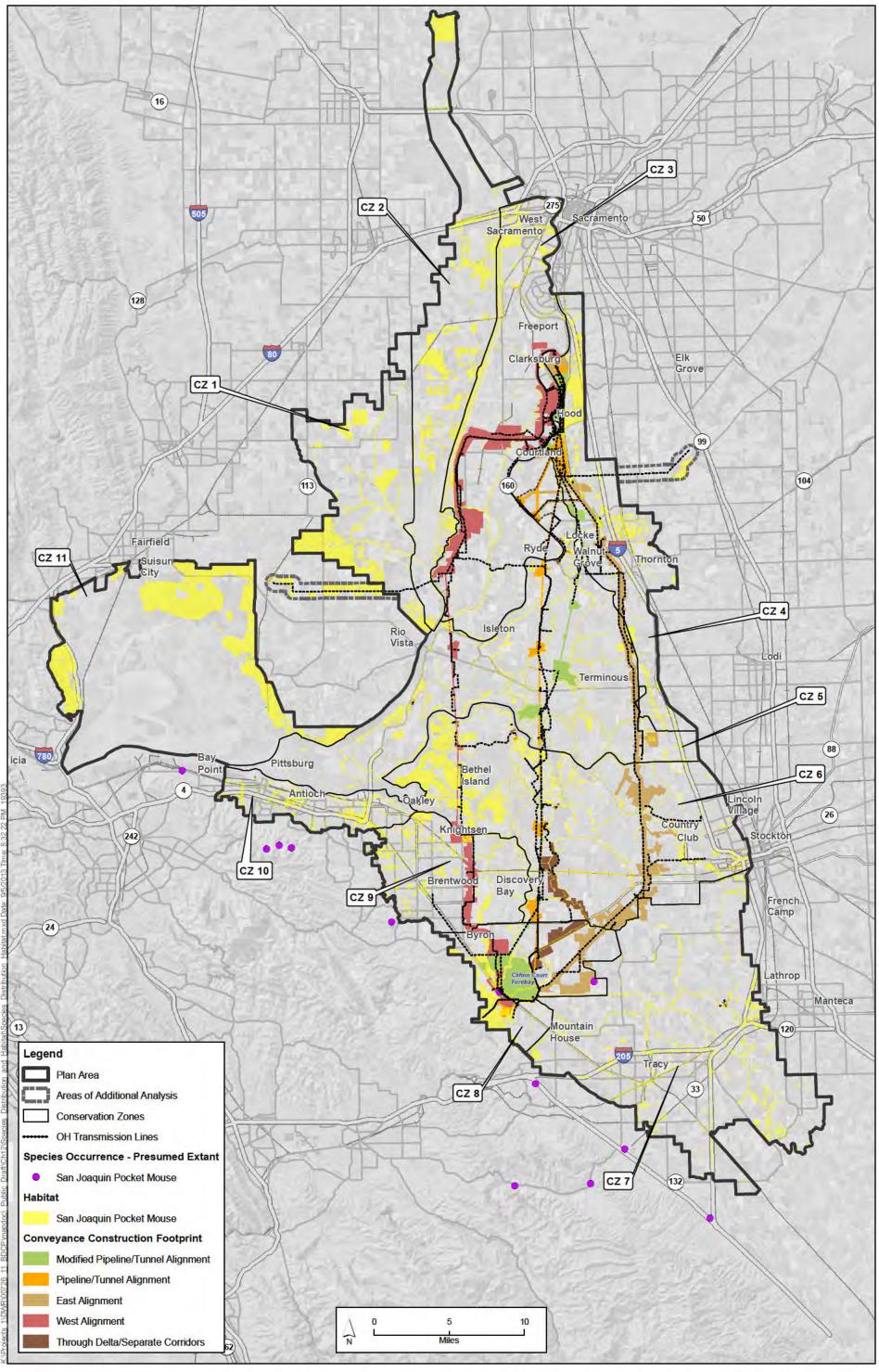


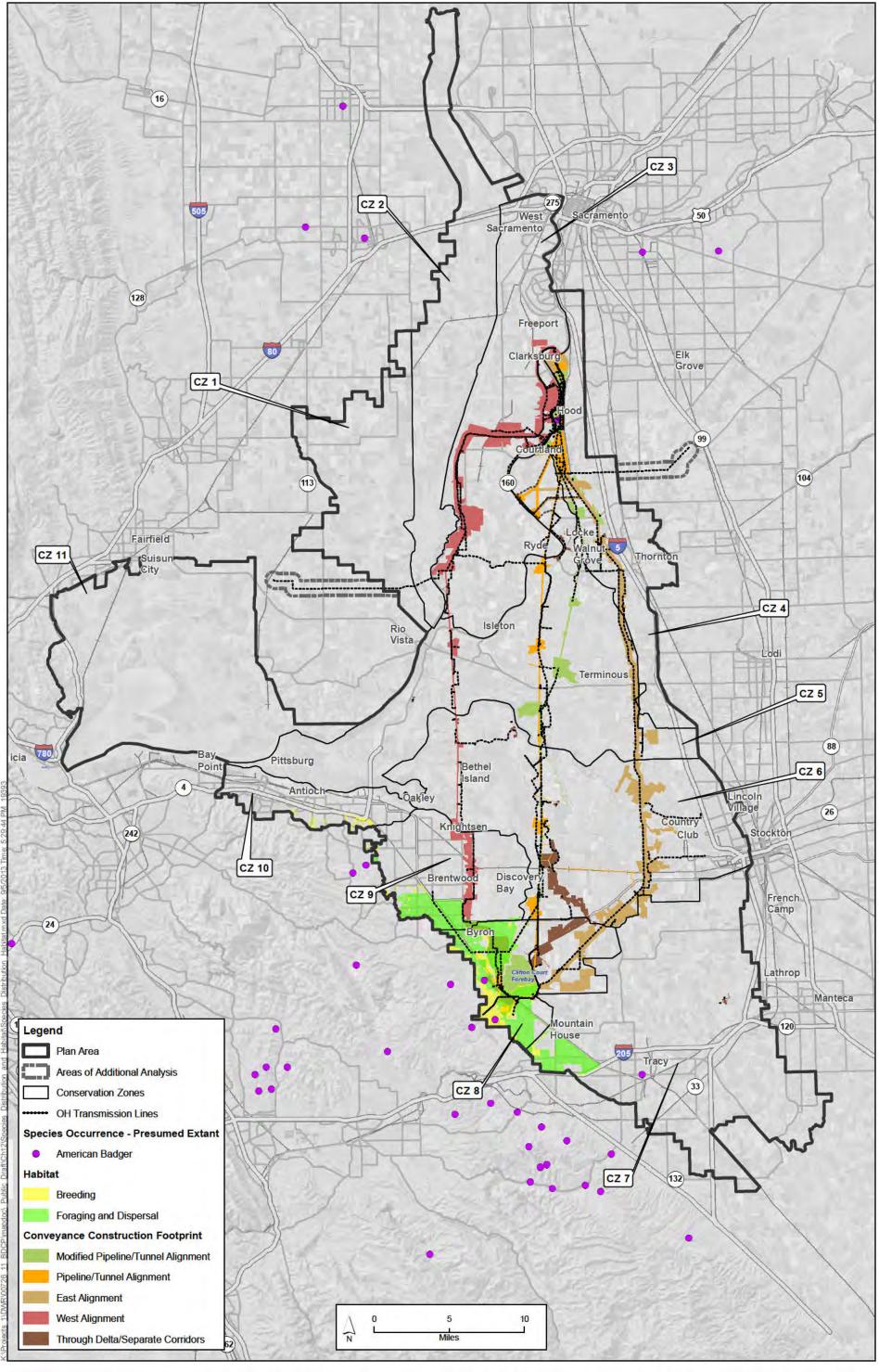
Figure 12-50 Suisun Shrew Distribution and Habitat in Study Area Vicinity





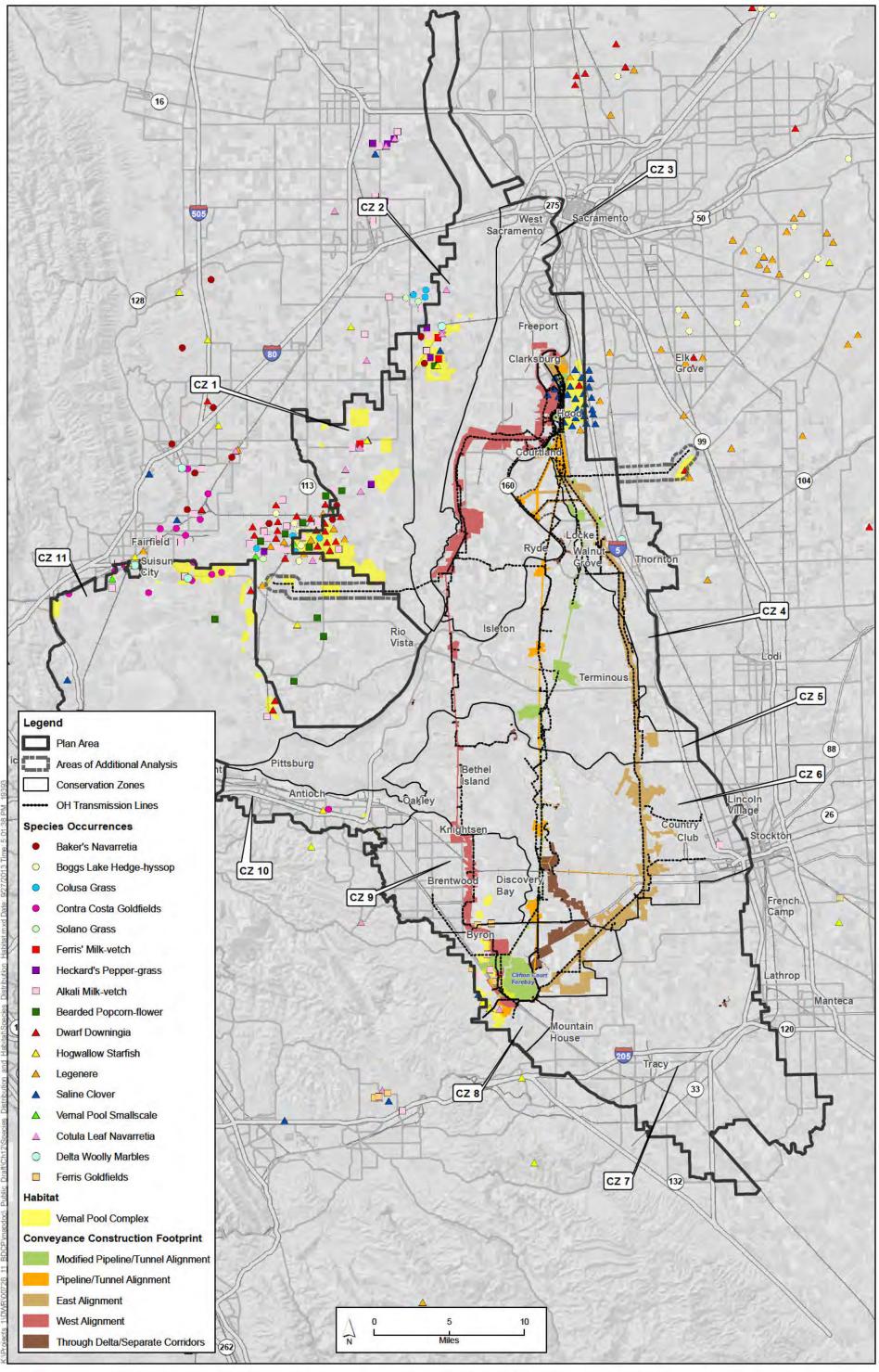
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-52 San Joaquin Pocket Mouse Distribution and Habitat in Study Area Vicinity



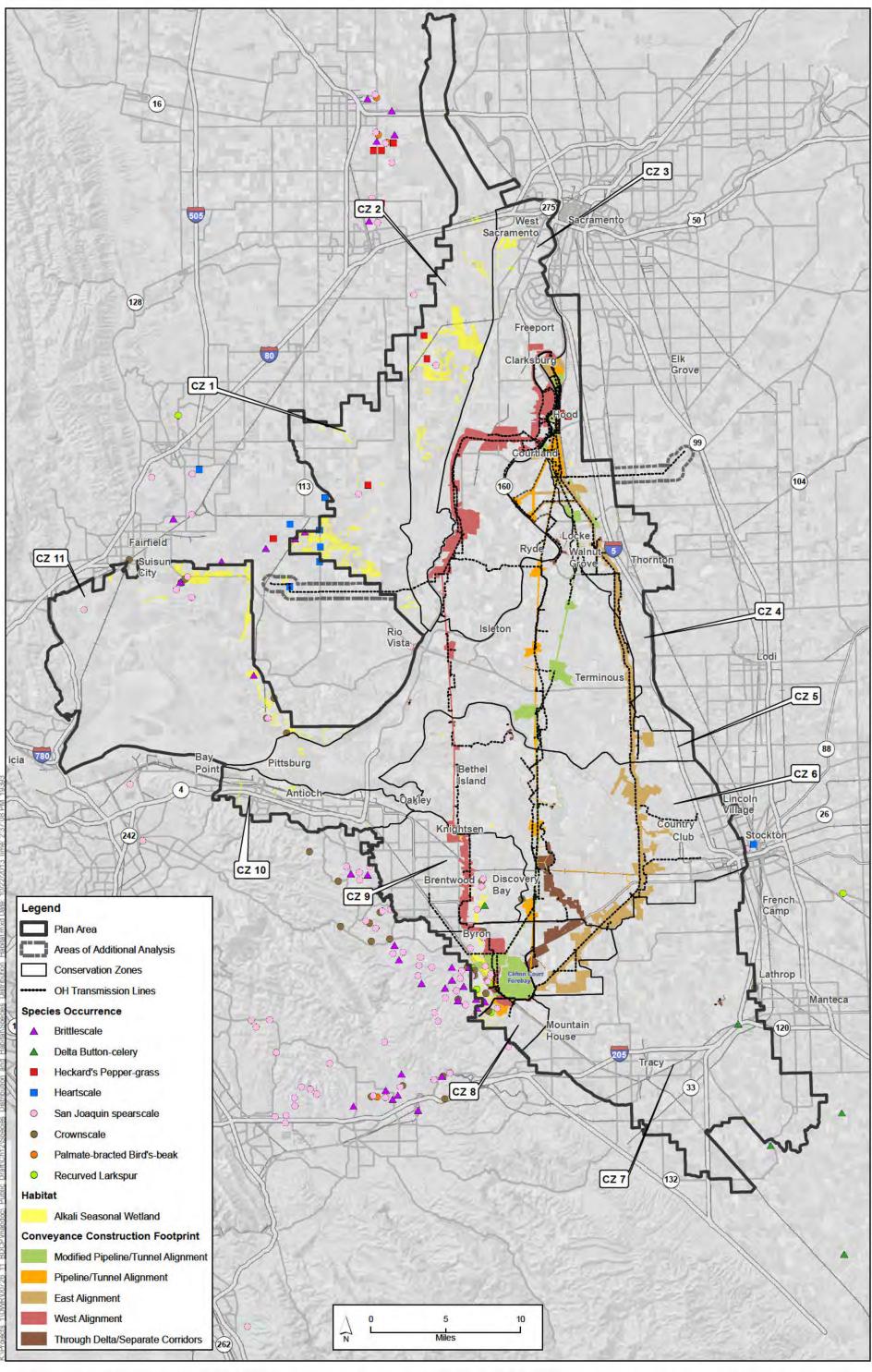
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-53
American Badger Distribution and Habitat in Study Area Vicinity



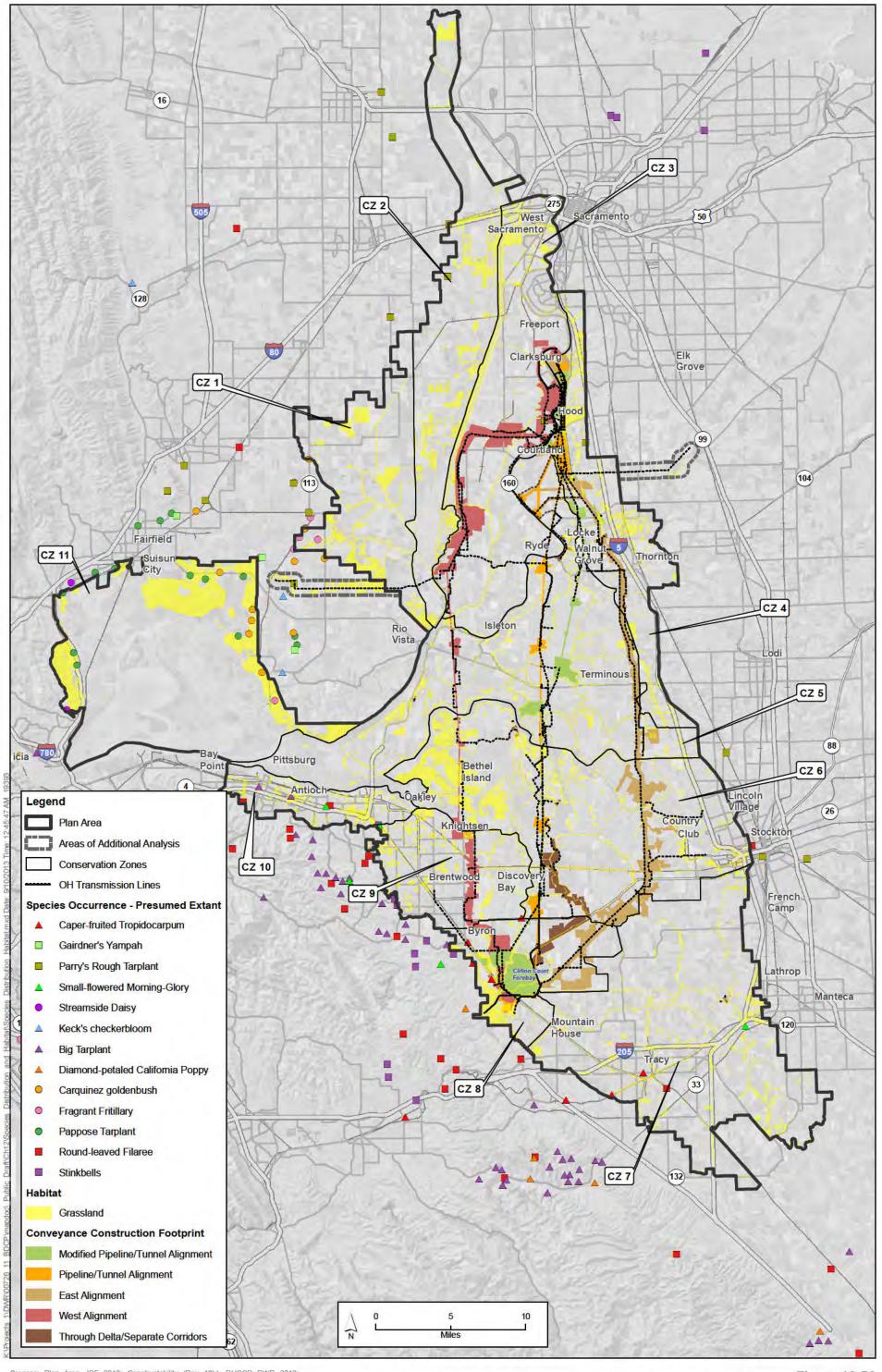
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

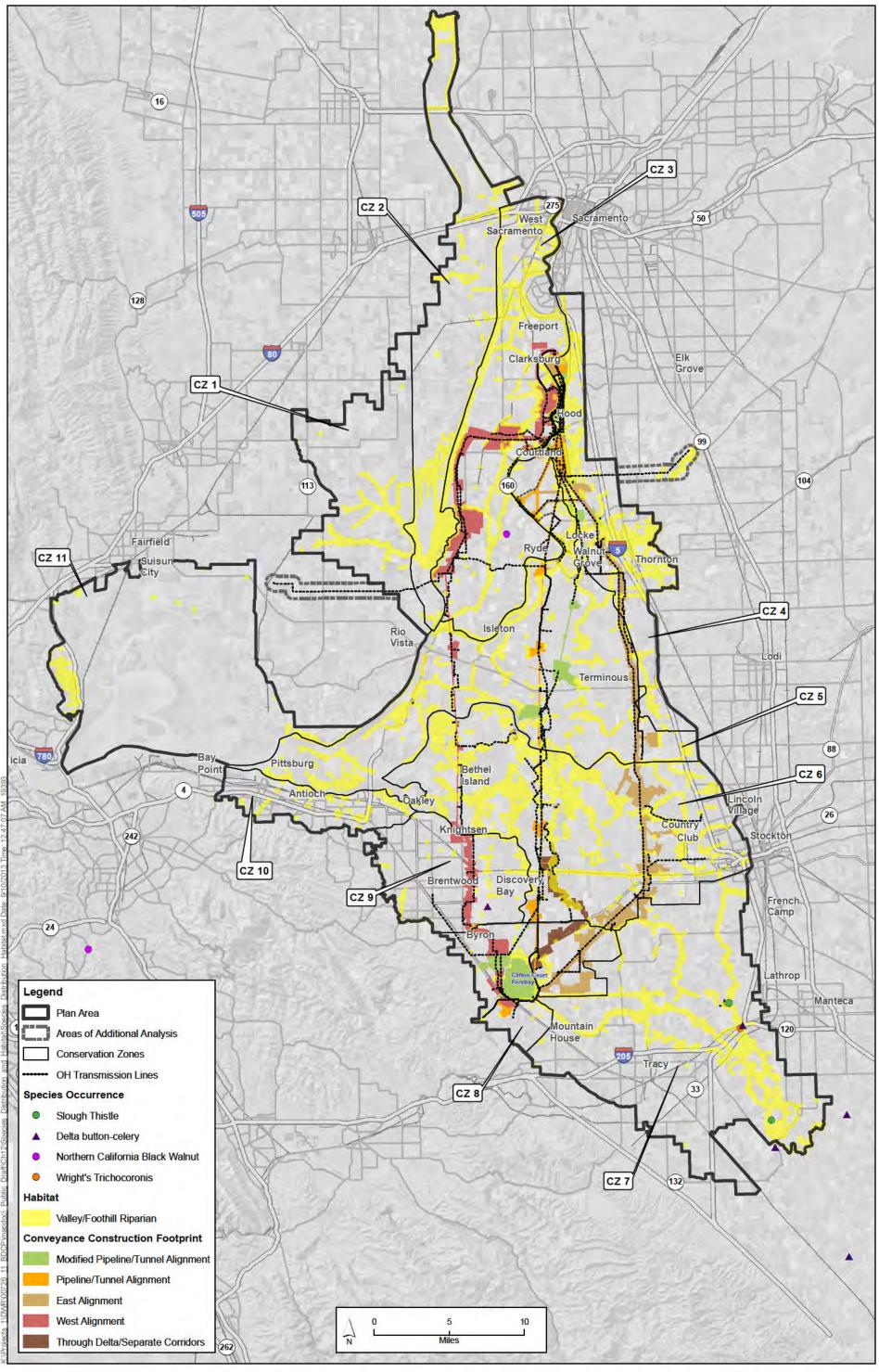
Figure 12-54 Vernal Pool Complex Botany Species Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-55 Alkali Seasonal Wetland Botany Species Distribution and Habitat in Study Area Vicinity





Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-57 Valley/Foothill Riparian Botany Species Distribution and Habitat in Study Area Vicinity

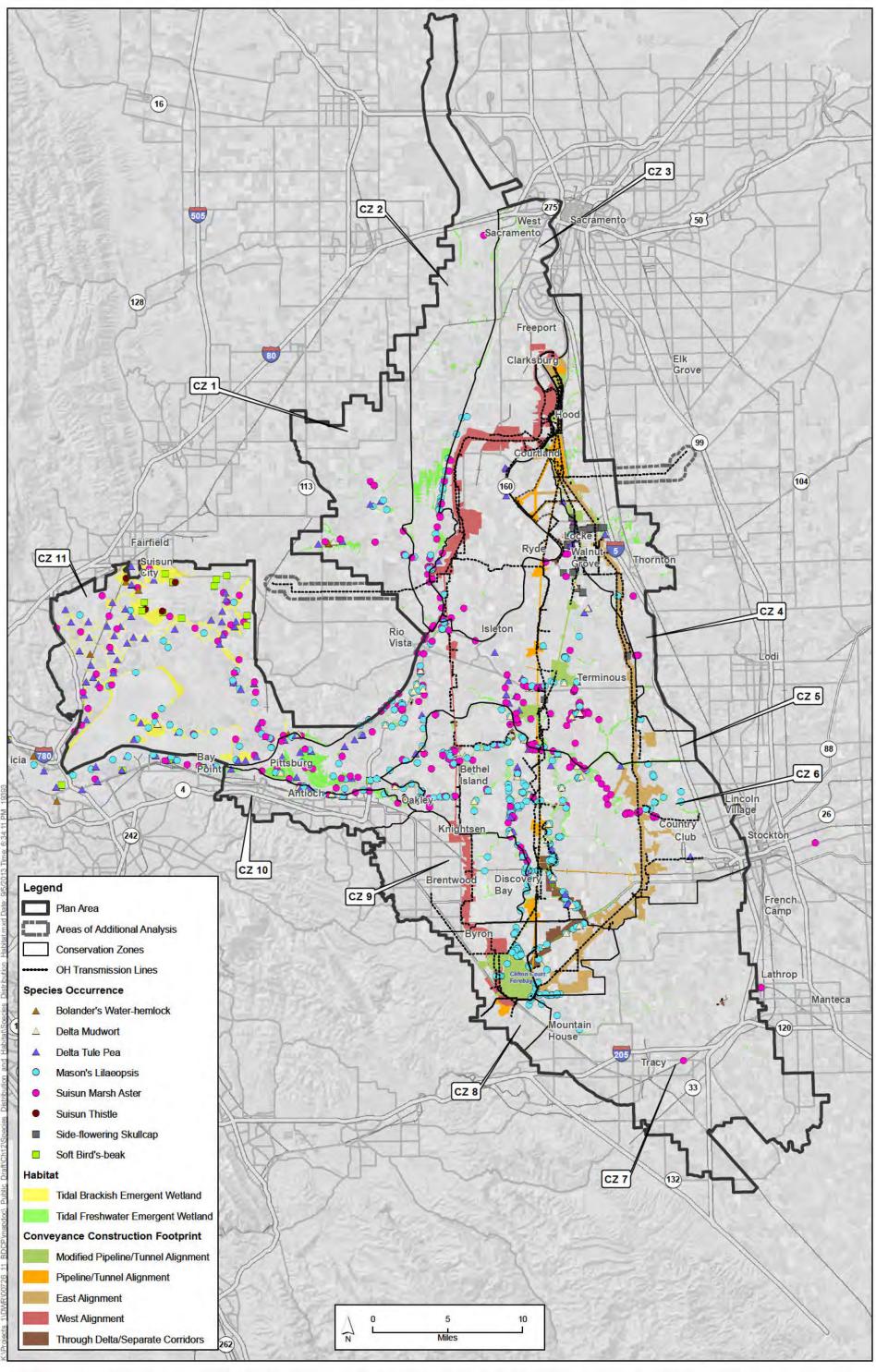
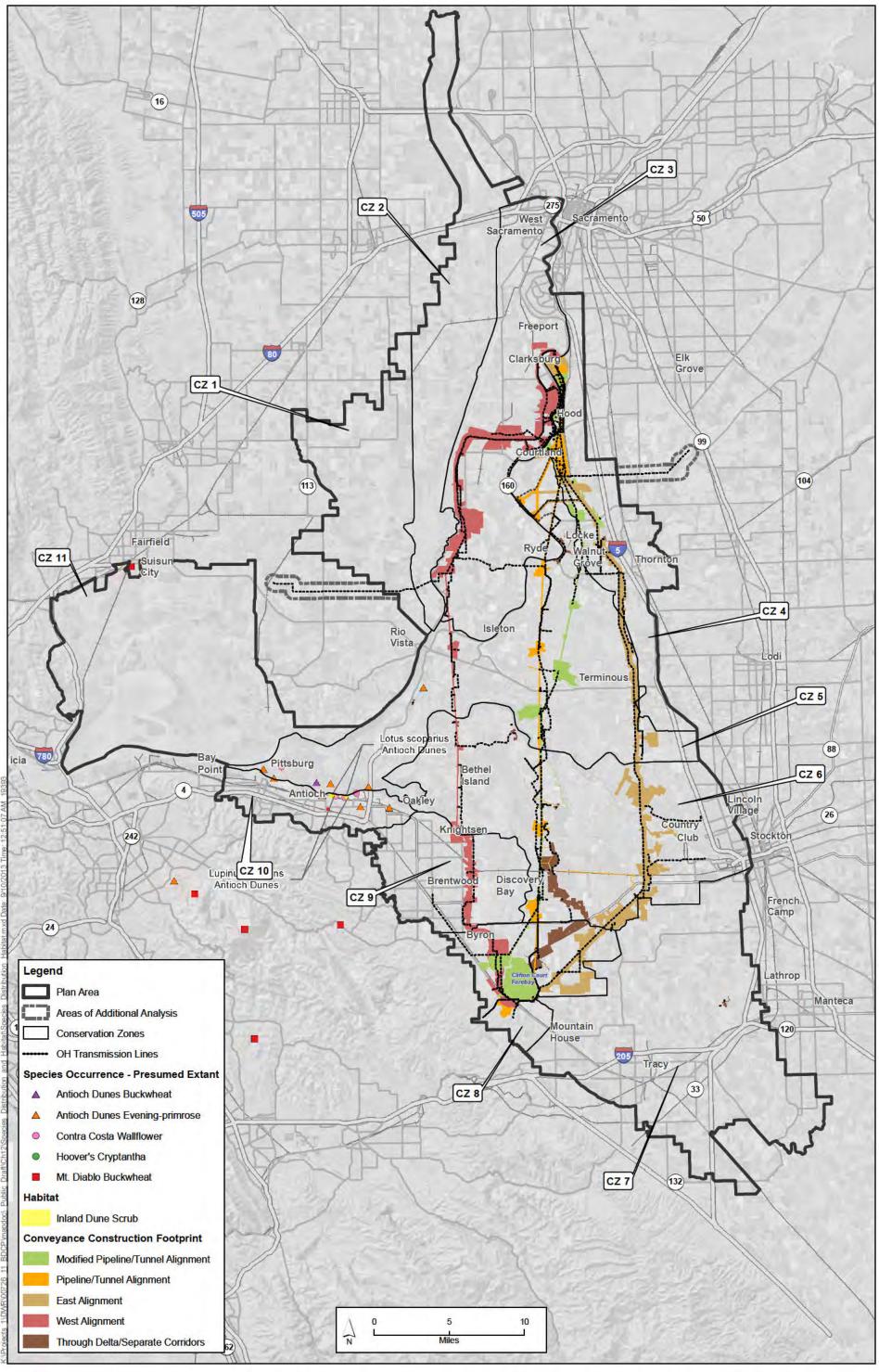
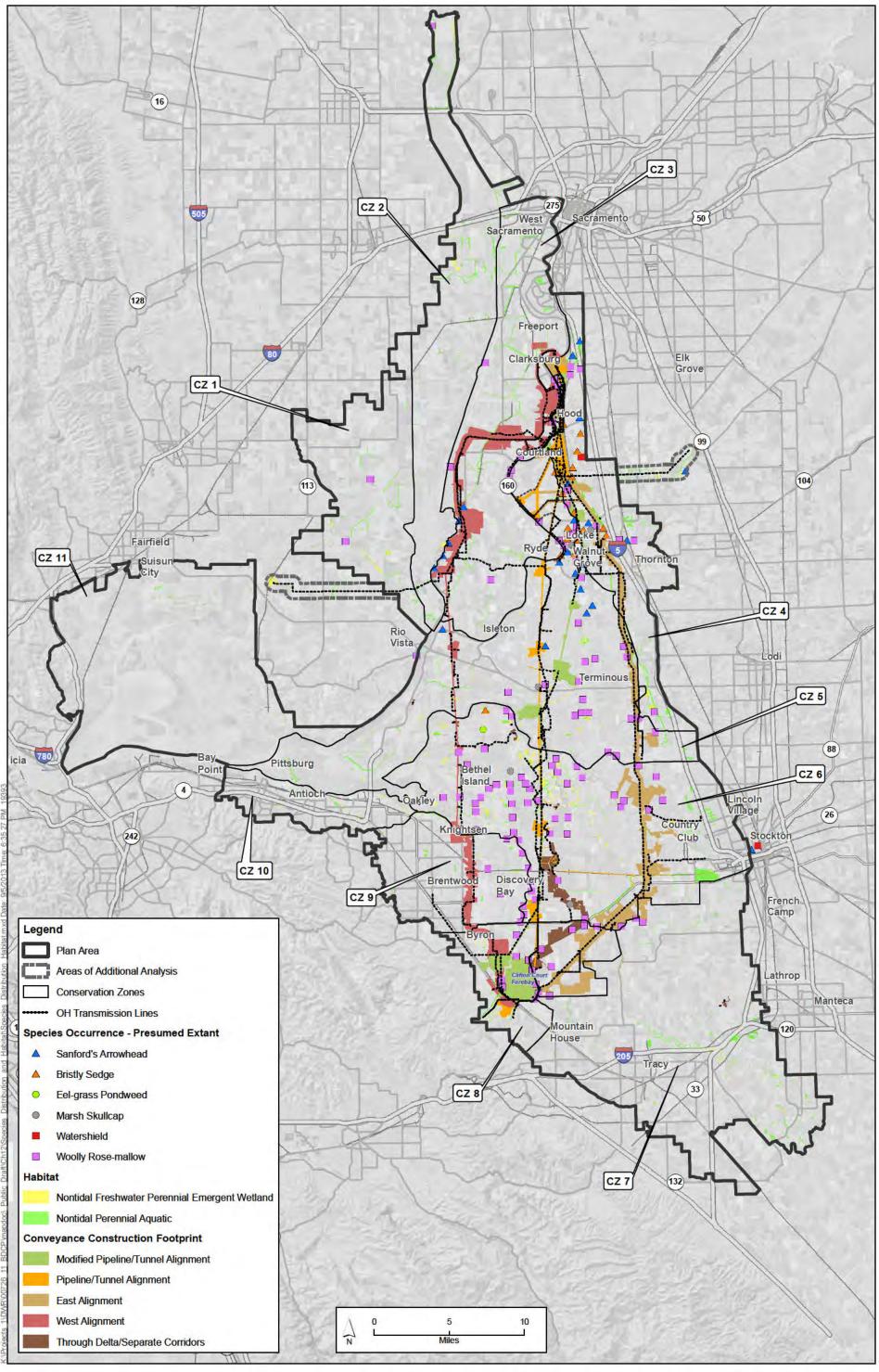


Figure 12-58 Tidal Wetland Botany Species Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, CNDDB 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-59 Inland Dune Scrub Botany Species Distribution and Habitat in Study Area Vicinity



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 2b), DHCCP DWR 2013; Species Occurrences, ICF 2013; Habitat, ICF 2013; Conservation Zones, SAIC 2012.

Figure 12-60 Nontidal Wetland Botany Species Distribution and Habitat in Study Area Vicinity