

Attachment C: MSCP Covered Species on County Preserves and Current Status

The following table indicates the status of the MSCP covered species that are found within County parks and preserves. A status update for each species is provided with information for the species that is specific to the County park, preserve or preserves within which each species is found (County Preserve). A status update is also provided for the species from a regional MSCP preserve perspective, indicating overall status across the region (Regional Preserve).

MSCP Covered Species and Habitats	County Preserve or Park	Status of Species
Plants		
1. Del Mar manzanita	Lusardi Creek Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved southern maritime chaparral habitat. REGIONAL PRESERVE: 90% of known species locations within the MSCP Plan boundaries have been conserved ^b MSCP goal is to conserve 91% of the known locations.
2. Dunn's mariposa lily	Otay Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved chaparral and closed-cone coniferous forest habitats. REGIONAL PRESERVE: 84% of known species locations within the MSCP Plan boundaries have been conserved ^b MSCP goal is to conserve 100% of the known locations.
3. Encinitas baccharis	Del Dios Highlands Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved southern maritime chaparral habitat. Monitoring and species protection efforts maintain the stable population at Del Dios Highlands Preserve. Regional monitoring efforts are on-going. REGIONAL PRESERVE: 79% of known species locations within the MSCP Plan boundaries have been conserved ^b MSCP goal is to conserve 100% of the known locations.
4. Felt-leaved monardella	Boulder Oaks Preserve El Capitan Preserve Otay Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral habitat. REGIONAL PRESERVE: Approximately 100% of known species locations within the MSCP Plan boundaries have been conserved ^b MSCP goal is to conserve 88% of the known locations.

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5. Gander's pitcher sage	Otay Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved chaparral, coastal scrub, and closed-cone coniferous forest habitats. REGIONAL PRESERVE: 80% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 100% of the known locations.
6. Heart-leaved pitcher sage	Iron Mountain Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved granitic southern mixed chaparral habitat. REGIONAL PRESERVE: 100% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 85% of the known locations.
7. Lakeside ceanothus	Boulder Oaks Preserve El Capitan Preserve Louis A. Stelzer Park Oakoasis Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral habitat. Monitoring and species protection efforts maintain stable populations at Boulder Oaks Preserve, El Capitan Preserve, Louis A. Stelzer Park, and Oakoasis Preserve. REGIONAL PRESERVE: Approximately 100% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 75% of the known locations.
8. Orcutt's bird's beak	Otay Valley Regional Park Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved maritime succulent scrub habitat. REGIONAL PRESERVE: Approximately 100% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 75% of the known locations.
9. Orcutt's brodiaea	Boulder Oaks Preserve Los Peñasquitos Canyon Preserve Otay Ranch Preserve Santa Fe Valley Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved of chaparral habitat. REGIONAL PRESERVE: Approximately 69% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 100% of the known locations.
10. Otay manzanita	Otay Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved chaparral habitat. REGIONAL PRESERVE: Approximately 48% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 95% of the known locations.

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11. Otay mesa mint	Otay Lakes County Park Otay Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved vernal pools habitat. REGIONAL PRESERVE: Approximately 91% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 91% of the known locations.
12. Otay tarplant	Furby-North Property Otay Ranch Preserve Otay Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved maritime succulent scrub habitat. REGIONAL PRESERVE: Approximately 14% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 66% of the known locations.
13. Palmer's goldenbush	Lawrence and Barbara Daley Preserve Otay Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral and coastal sage scrub habitats. REGIONAL PRESERVE: Approximately 48% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 66% of the known locations.
14. San Diego barrel cactus	Dictionary Hill Preserve Furby-North Property Lusardi Creek Preserve Otay Ranch Preserve Tijuana River Valley Regional Park Los Peñasquitos Canyon Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved coastal sage scrub habitat. REGIONAL PRESERVE: Approximately 69% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 81% of the known locations.
15. San Diego button celery	Louis A. Stelzer Park Otay Ranch Preserve Otay Valley Regional Park Los Peñasquitos Canyon Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved vernal pool and marsh habitats. REGIONAL PRESERVE: Approximately 67% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 82% of the known locations.
16. San Diego goldenstar	Dictionary Hill Preserve Los Peñasquitos Canyon Preserve Louis A. Stelzer Park Otay Ranch Preserve Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral, coastal scrub, and grassland habitats. REGIONAL PRESERVE: Approximately 52% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 73% of the known locations.

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17. San Diego mesa mint	Los Peñasquitos Canyon Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved vernal pool and marsh habitats. REGIONAL PRESERVE: Approximately 80% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 88% of the known locations.
18. San Diego thormint	Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved coastal sage scrub and chaparral habitats. Monitoring and species protection efforts maintain a stable population at Sycamore Canyon and Goodan Ranch Preserve. REGIONAL PRESERVE: Approximately 62% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 85% of the known locations.
19. San Miguel savory	Boulder Oaks Preserve Otay Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved coastal sage scrub and chaparral habitats. Monitoring and species protection efforts maintain stable populations at Boulder Oaks Preserve and Otay Ranch Preserve. REGIONAL PRESERVE: Between 25% and 75% of known species locations within the MSCP Plan boundaries have been conserved^b. The substantial range is given because regional monitoring data is not available for this species. MSCP goal is to conserve 80 to 100% of the identified species locations.
20. Snake cholla	Furby-North Property Otay Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved maritime succulent scrub habitat. REGIONAL PRESERVE: Approximately 100% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 75% of the known locations.
21. Spreading (prostrate) navarretia	Otay Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved vernal pool habitat. Species protection efforts maintain a stable population at Otay Ranch Preserve. REGIONAL PRESERVE: Approximately 80% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 63% of the known locations.

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22. Tecate cypress	Otay Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved southern interior cypress forest habitat. REGIONAL PRESERVE: Approximately 100% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 98% of the known locations.
23. Torrey pine	Tijuana River Valley Regional Park	COUNTY PRESERVE: Species distribution was enhanced via the County's Tree Planting Program and is found within preserved coastal sage scrub habitat. REGIONAL PRESERVE: Approximately 100% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 100% of the known locations.
24. Variegated dudleya	Dictionary Hill Preserve Lusardi Creek Preserve Otay Lakes Regional Park Otay Ranch Preserve Otay Valley Regional Park Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral and vernal pool habitats. Monitoring and species protection efforts maintain stable populations at Lusardi Creek and Sycamore Canyon/Goodan Ranch Preserves. Species protection efforts maintain stable populations at Dictionary Hill Preserve, Otay Lakes Regional Park, Otay Ranch Preserve, Otay Valley Regional Park. REGIONAL PRESERVE: Approximately 67% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 75% of the known locations.
25. Wart-stemmed ceanothus	Del Dios Highlands Preserve Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved coastal chaparral habitat. REGIONAL PRESERVE: Greater than 75% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 64% of the known locations.

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26. Willowy monardella	Otay Ranch Preserve Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral, coastal sage scrub, riparian scrub, riparian forest, and woodland habitats. Monitoring and species protection efforts maintain stable populations Sycamore Canyon and Goodan Ranch Preserve and Otay Ranch Preserve. REGIONAL PRESERVE: Between 25% and 75% of known species locations within the MSCP Plan boundaries have been conserved^b The substantial range is given because regional monitoring data is not conclusive about the population size of this species. MSCP goal is to conserve 100% of the known locations.
Birds		
27. American peregrine falcon	Del Dios Highlands Otay Ranch Preserve Peutz Valley Preserve Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved foraging coastal wetland, riparian, and lake habitats. REGIONAL PRESERVE: Approximately 55% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 61% of the known locations.
28. Burrowing owl	Otay Ranch Preserve Sycamore Canyon and Goodan Ranch Preserve Ramona Grasslands Preserve ^a	COUNTY PRESERVES: Species populations have been conserved and are found within preserved grassland habitat. Regional monitoring and species protection efforts are on-going. REGIONAL PRESERVE: Approximately 8% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 100% of the known locations.
29. Canada goose	Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved fresh and brackish water habitats and open fields and agricultural lands. REGIONAL PRESERVE: Approximately 67% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 78% of the known locations.

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30. Coastal (San Diego) cactus wren	El Capitan Preserve Furby-North Property Lakeside Linkage Preserve Otay Ranch Preserve Otay Valley Regional Park Sweetwater Regional Park Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved maritime succulent scrub. Monitoring, species protection efforts, and habitat restoration and enhancement maintain a stable population at Lakeside Linkage Preserve. Regional monitoring and species protection efforts are on-going. REGIONAL PRESERVE: Greater than 75% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 80% of the known locations.
31. Coastal California gnatcatcher	Boulder Oaks Preserve Del Dios Highlands Preserve Dictionary Hill Preserve Furby-North Property Lakeside Linkage Preserve Louis A. Stelzer Park Lusardi Creek Preserve Otay Lakes Regional Park Otay Ranch Preserve Otay Valley Regional Park Ramona Grasslands Preserve Santa Fe Valley Preserve Stoneridge Preserve Sweetwater Regional Park Sycamore Canyon and Goodan Ranch Preserve Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved coastal sage scrub habitat. Species protection efforts on County properties have been successful and are on-going. Regional monitoring and species protection efforts are on-going REGIONAL PRESERVE: Approximately 48% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 65% of the known locations.
32. Cooper's hawk	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve Dictionary Hill Preserve El Capitan Preserve Iron Mountain Preserve Lakeside Linkage Preserve Lawrence and Barbara Daley Preserve Lusardi Creek Preserve Oakoasis Preserve Otay Ranch Preserve Skyline Preserve Stoneridge Preserve Sycamore Canyon and Goodan Ranch Preserve Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved riparian and wooded habitats. REGIONAL PRESERVE: Approximately 38% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 57% of the known locations.
33. Ferruginous hawk	Del Dios Highlands Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved foraging grassland habitat. REGIONAL PRESERVE: Approximately 71% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.

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34. Golden eagle	Barnett Ranch Preserve Del Dios Highlands Preserve El Capitan Preserve Otay Ranch Preserve Ramona Grasslands Preserve Skyline Preserve Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved foraging grassland, chaparral, and coastal sage scrub habitat and nesting cliff habitat. Monitoring and species protection efforts ensure successful fledging at Ramona Grasslands Preserve and El Capitan Preserve. Regional monitoring and species protection efforts are on-going. REGIONAL PRESERVE: Approximately 64% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.
35. least Bell's vireo	Furby-North Property Los Peñasquitos Canyon Preserve Lusardi Creek Preserve Otay Lakes Regional Park Otay Ranch Preserve Otay Valley Regional Park Sweetwater Regional Park Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved riparian habitat. Regional monitoring and species protection efforts have been successful and are on-going. REGIONAL PRESERVE: Approximately 40% of populations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 82 to 100% of major populations.
36. Light-footed Ridgway's rail (Clapper rail)	Tijuana River Valley Regional Park	COUNTY PRESERVE: Species populations have been conserved and are found within preserved freshwater marsh and riparian habitats. Monitoring and species protection efforts enhance a population at Tijuana River Valley Regional Park. Regional species protection efforts are on-going. REGIONAL PRESERVE: Approximately 54% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.
37. Northern harrier	Del Dios Highlands Preserve Furby-North Property Lawrence and Barbara Daley Preserve Louis A. Stelzer Preserve Lusardi Creek Preserve Otay Ranch Preserve Skyline Preserve Ramona Grasslands Preserve Sycamore Canyon and Goodan Ranch Preserve Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved foraging and nesting wetland, marsh, marshy meadow, grassland, and riparian woodland habitats. REGIONAL PRESERVE: Approximately 54% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.

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38. Southern California rufous-crowned sparrow	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve Dictionary Hill Preserve El Capitan Preserve El Monte Park Furby-North Preserve Iron Mountain Preserve Lakeside Linkage Preserve Lawrence and Barbara Daley Preserve Louis A. Stelzer Park Lusardi Creek Preserve Oakoasis Preserve Otay Ranch Preserve Peutz Valley Preserve Ramona Grasslands Preserve Skyline Preserve Stoneridge Preserve Sycamore Canyon and Goodan Ranch Preserve Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved coastal sage scrub habitat. REGIONAL PRESERVE: Approximately 45% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 71% of the known locations.
39. Southwestern willow flycatcher	Tijuana River Valley Regional Park	COUNTY PRESERVE: Species populations have been conserved and are found within preserved riparian habitat. Regional monitoring and species protection efforts are on-going. REGIONAL PRESERVE: Approximately 33% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 88% of the known locations.
40. Swainson's hawk	Barnett Ranch Preserve Skyline Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved foraging grassland habitat. REGIONAL PRESERVE: Approximately 71% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.
41. Tricolored blackbird	Barnett Ranch Preserve Ramona Grasslands Preserve ^a Tijuana River Valley Regional Park	COUNTY PRESERVES: Species populations have been conserved and are found within preserved foraging grassland habitat. Monitoring and species protection efforts ensure that the population adjacent to Ramona Grasslands Preserve is stable. Species protection efforts maintain populations at Barnett Ranch Preserve and Tijuana River Valley Regional Park. REGIONAL PRESERVE: Approximately 33% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 59% of the known locations.

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42. Western bluebird	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve El Capitan Preserve El Monte Park Lakeside Linkage Preserve Lawrence and Barbara Daley Preserve Oakoasis Preserve Peutz Valley Preserve Ramona Grasslands Preserve Stoneridge Preserve Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved grassland, coastal sage scrub, and riparian woodland habitats. REGIONAL PRESERVE: Approximately 51% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.
43. White-faced ibis	Del Dios Highlands Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved freshwater wetland habitat. REGIONAL PRESERVE: Approximately 31% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.
Reptiles		
44. Belding's orange-throated whiptail	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve Dictionary Hill Preserve El Capitan Preserve Furby-North Property Iron Mountain Preserve Lakeside Linkage Preserve Lawrence and Barbara Daley Preserve Louis A Stelzer Park Lusardi Creek Preserve Otay Ranch Preserve Peutz Valley Preserve Ramona Grasslands Preserve Skyline Preserve Stoneridge Preserve Sycamore Canyon and Goodan Ranch Preserve Tijuana River Valley Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral and scrub habitats. REGIONAL PRESERVE: Approximately 47% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 62% of the known locations.

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45. Blainville's horned lizard	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve Dictionary Hill Preserve El Capitan Preserve Furby-North Property Iron Mountain Preserve Lakeside Linkage Preserve Lawrence and Barbara Daley Preserve Louis A. Stelzer Park Lusardi Creek Preserve Oakoasis Preserve Otay Ranch Preserve Peutz Valley Preserve Ramona Grasslands Preserve Skyline Preserve Stoneridge Preserve Sycamore Canyon and Goodan Ranch Preserve Tijuana River Valley Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved chaparral and scrub habitats. REGIONAL PRESERVE: Approximately 42% of known species locations within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 63% of the known locations.
Mammals		
46. Mountain Lion	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve El Capitan Preserve Iron Mountain Preserve Otay Ranch Preserve Peutz Valley Preserve Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within diverse preserved habitats. Regional monitoring, species protection, and increasing habitat connectivity efforts are on-going. REGIONAL PRESERVE: Approximately 60% of core areas within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 81% of the core areas.
47. Southern mule deer	Barnett Ranch Preserve Boulder Oaks Preserve Del Dios Highlands Preserve El Capitan Preserve El Monte Park Iron Mountain Preserve Lakeside Linkage Preserve Lawrence and Barbara Daley Preserve Louis A. Stelzer Preserve Lusardi Creek Preserve Oakoasis Preserve Otay Ranch Preserve Peutz Valley Preserve Ramona Grasslands Preserve Stoneridge Preserve Sycamore Canyon and Goodan Ranch Preserve	COUNTY PRESERVES: Species populations have been conserved and are found within preserved grassland, scrub, and chaparral habitats. Regional monitoring, species protection, and increasing habitat connectivity efforts are on-going. REGIONAL PRESERVE: Approximately 60% of core areas within the MSCP Plan boundaries have been conserved^b MSCP goal is to conserve 81% of the core areas

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Invertebrates		
48. San Diego fairy shrimp	Otay Ranch Preserve Ramona Grasslands Preserve ^a	COUNTY PRESERVES: Species populations have been conserved and are found within preserved vernal pool habitat. Monitoring and species protection efforts maintain stable populations at Ramona Grasslands Preserve and Otay Ranch Preserve. REGIONAL PRESERVE: Approximately 54% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 88% of known habitat.
49. Thorne's hairstreak butterfly	Otay Ranch Preserve	COUNTY PRESERVE: Species populations have been conserved and are found within preserved foraging chaparral habitat and larval host Tecate cypress habitat. REGIONAL PRESERVE: Approximately 100% of habitat within the MSCP Plan boundaries has been conserved^b MSCP goal is to conserve 100% of known habitat.

^a Species was observed on draft North County MSCP portion of the County Preserve and is presumed to utilize the South County MSCP area of the County Preserve.

^b Conservation status of the MSCP covered species within the MSCP Plan Area's boundaries is from the 2022 State of the Regional Preserve System in Western San Diego County, which summarized monitoring results for all three South County MSCP Subarea Plan Areas.

Reference:

Preston, K., E. Perkins, C. Brown, S. McCutcheon, A. Bernabe, E. Luciani, B. Kus, and S. Wynn. 2022. State of the Regional Preserve System in Western San Diego County, USGS Cooperator report prepared for San Diego Association of Governments Environmental Mitigation Program, Agreements 5004597 and 548642.