

APPENDIX K

Threatened and Endangered Species at Camp Pendleton: Recovery Plan Status

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Species	Federal Status (year listed)	Recovery Plan	Downlist/Delist Criteria	Current Regional Status	Current Status on Camp Pendleton	Camp Pendleton/Regional Recovery Criteria	Comments
BIRDS							
California Brown Pelican	Endangered (1970)	Final (USFWS 1983)	Downlist: Maintain existing populations in Mexico. Maintain at least 3000 breeding pairs on the Channel Islands and on these islands in northwest Baja California, Los Coronados, Islas Todos Santos, and Isla San Martin. Maintain a 5 year mean of 0.7 fledglings per pair. Delist: Increase the fledgling produced per pair to 0.9.	Breeding Range: Pacific coast islands off of southern California, Baja California, and western mainland Mexico, and islands in the Gulf of California.	Flies along the coast of Camp Pendleton. Roosts at Santa Margarita River estuary. Does not breed at Camp Pendleton.	Pelicans do not breed on Camp Pendleton. Protect breeding pairs on the Channel Islands..	
California Least Tern	Endangered (1970)	Revised several times (USFWS 1980, 1985a). Additional revision is expected in 2001/2.	Downlist: 1200 pairs in at least 15 management areas for 3 years with 1 fledgling produced per pair Delist: 1200 pairs in at least 20 management areas for 5 years with 1 fledgling produced per pair. Management areas: (a) Alameda, (b) Pismo Beach and Oso Flaco Lake in San Luis Obispo County, (c) Santa Maria River in Santa Barbara County, (d) San Antonio Creek, Purisma point and Santa Ynez in Santa Barbara County, (e) Santa Clara River in Ventura County, (f) Ormond Beach and Magu Lagoon in Ventura County, (g) Venice and Playa del Rey in LA County, (h) Terminal Island in LA County, (i) Cerritos Lagoon in LA County, (j) Anaheim Bay and Surfside Lagoon in Orange County, (k) Bolsa Chica in Orange County, (l) Huntington Beach in Orange County, and (m) Upper Newport Bay in Orange County. Management areas in San Diego County: (n) San Mateo, Aliso and SMR at Camp Pendleton, (o) Buena Vista Lagoon, (p) Agua Hedionda Lagoon, (q) Batiquitos Lagoon, (r) San Elijo Lagoon, (s) San Dieguito Lagoon, (t) Los Penasquitos Lagoon, (u) 4 colonies in Mission Bay, (v) 6 colonies in San Diego Bay, and (w) Tijuana river mouth.	4500 pairs See table-California least tern-DRAFT 2000 Breeding Range: San Francisco Bay, California south to Baja California, Mexico.	1000 pairs Nesting colonies located north and south of the Santa Margarita River and a colony at Aliso and French Creeks. Riparian B.O.	Camp Pendleton was one of 23 potential least tern management areas described in the recovery plan. To maintain current nesting habitat and to maintain or increase breeding pairs, a management plan should be developed. In San Diego County, Mission Bay and San Diego Bay should each have 6 secure colonies.	1980-original recovery plan. Currently being revised
California Gnatcatcher	Threatened (1993)	None		Range: Coastal southern California from Ventura and San Bernardino Counties south to El Rosario in northwestern Baja California, Mexico.	Coastal sage scrub habitat in Alpha 2, Bravo 2&3, India, Juliett, Kilo 2, Lima, Mike, November, Papa 1&2, Romeo 2&3, Tango, and Uniform.		
Least Bell's Vireo	Endangered (1986)	Draft (USFWS 1998a)	Downlist: Stable or increasing populations of several hundred or more breeding pairs for 5 consecutive years in at the following sites: Tijuana River, Dalzura Creek/Jamul Creek/Otay River, Sweetwater River, San Diego River, San Luis Rey River, Camp Pendleton/ Santa Margarita River, Santa Ana River, an Orange County/ Los Angeles County metapopulation, Santa Clara River, Santa Ynez River, and an Anza Borrego Desert metapopulation Delist: Stable or increasing populations of several hundred or more breeding pairs for 5 consecutive years in at these additional sites: Salinas River, San Joaquin Valley, and Sacramento Valley.	1996: 1346 pairs 1986: 300 pairs Breeding Range: 8 southern California counties and portions of northern Baja California, Mexico.	2000: 719 pairs 1994: 348 pairs Found in SMR, Las Flores Creek, French Creek, Aliso Creek, San Onofre Creek, San Mateo Creek, and Christianitos Creek.	Stable or increasing populations of several hundred or more breeding pairs at Camp Pendleton/SMR for 5 consecutive years.	

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Light-Footed Clapper Rail	Endangered (1970)	Revised (USFWS 1985b)	Downlist: 800 pairs within 4,000 ha of adequately protected wetland habitat consisting of at least 50% marsh vegetation in at least 20 marsh complexes. Delist: To be determined.	1998: 222 pairs in 17 marshes Range: Coastal marshes from Santa Barbara County south to San Quintin Bay, Baja California, Mexico.	There are not any breeding rails on Camp Pendleton.		
Southwestern Willow Flycatcher	Endangered (1995)	Draft in process	Not available until the draft recovery plan is complete.	Breeding Range: southern California, Arizona, New Mexico, western Texas, southwestern Colorado, southern portions of Nevada and Utah, and extreme northwestern Mexico.	17 breeding pair on the SMR	Not available until the draft recovery plan is complete.	Draft expected March 2001
Western snowy plover	Threatened (1993)	Agency Draft 1999	Delist: Maintain 3000 breeding adults for 10 years in 6 recovery units. Maintain 1 fledgling per male for 5 years. Recovery units: Washington and Oregon, 250; Del Norte to Mendocino Counties, 150; SF Bay 500; Sonoma to Monterey Counties 400; San Luis Obispo to Ventura 1200; and LA to SD 500.	1000 breeding adults in CA Breeding Range: Coastal beaches from southern Washington south to southern Baja California, Mexico.	Camp Pendleton has 80 breeding adults that nest from White Beach to Blue Beach. San Diego and Los Angeles Counties have 200 breeding adults.	Maintain 500 breeding adults in San Diego and Los Angeles counties for 10 years. Maintain 1 fledgling per male for 5 years.	
MAMMALS							
Pacific Pocket Mouse	Endangered (1988)	Final 1998b	Downlist: 10 protected, stable or increasing, populations with a 95% chance of surviving for 100 years.	4 populations-Dana Point Headlands, San Mateo North, San Mateo South, and Oscar 1	3 populations- San Mateo North, San Mateo South, and Oscar 1	3 protected, stable or increasing, populations with a 95% chance of surviving for 100 years	
Stephens' Kangaroo Rat	Endangered (1988)	Draft 1997	Downlist: Establishment of 4 reserves that encompass at least 6070 hectares in Western Riverside County and are permanently protected, funded, and managed. Establishment of 1 ecosystem based reserve in western or central SD County. Delist: Establishment of 5 reserves which encompass at least 6675 hectares in western Riverside County that are permanently protected, funded, and managed. Establishment of 2 ecosystem based reserves, one in the western and 1 in central SD County.	Populations in western Riverside County, western SD County, and Central SD County	SKR management area in the Juliett training area. Also found in Bravo 1, Golf, India, Kilo 2, X-ray, Whiskey, and Zulu Impact Area.	Establishment of one ecosystem based reserve in western San Diego County	
FISH							
Steelhead	Endangered (1998)			Range: Santa Maria River, San Luis Obispo County south to Malibu Creek, Los Angeles County	Range: San Mateo Creek (not included in the ESU listed)		
Tidewater Goby	Endangered (1994)	Draft 1996	Delist: 65 of 84 extant populations must be stable or increasing for 10 years.	Northern Range: 75 populations Tillas Slough at the mouth of the Smith River, Del Norte County south to Malibu Creek, LA County. Southern Range: Lagoons at Camp Pendleton from San Mateo Creek to SMR, possibly genetically distinct	7 of 8 populations present in 2000. Found in these lagoons: SMR, Cockleburr, Aliso, Hidden, Las Flores, San Onofre, and San Mateo. No gobies were found in French lagoon because it was dry.	All of the southern range populations are found on Camp Pendleton. 6 of 8 populations must be stable or increasing for 10 years: 4 of 5 populations in San Mateo, San Onofre, Las Flores, French, or SMR. 2 of 3 populations in Hidden, Aliso, or Cockleburr.	Proposal to delist northern population of tidewater goby

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AMPHIBIANS							
Arroyo Southwestern Toad	Endangered (1994)	Final 1999	Downlist: Management plans to maintain at least 20 self sustaining populations at these locations: San Antonio River basin at Fort Hunter Liggett Army Reserve Training Center, San Mateo/San Onofre Creek and Santa Margarita River Basin at Camp Pendleton, Sisquoc River Basin, Upper Santa Ynez basin including Indian and Mono Creeks, Sespe Creek basin, and Piru Creek basin in Los Padres National Forest, Castaic Creek, Los Angeles River basin including Big Tujunga and Alder Creeks, and Little Rock basin in Angeles Delist: 15 additional populations outside of Federal jurisdiction in the Mojave River basin (San Bernardino County), the Whitewater River basin (Riverside County), the San Juan Creek basin (Orange and Riverside Counties), SMR basin (SD and Riverside Counties), and these systems in SD County, San Luis Rey River, San Dieguito River/Santa Ysabel Creek, San Diego River, Otay River/Dulzura Creek, and the Tijuana River	Range: Coastal and desert areas along the central and southern coast of California from Monterey County south to San Diego County and into Baja California, Mexico.	Found in SMR, San Onofre, San Mateo, and Christianitos Creeks	2 self sustaining populations	
CRUSTACEANS							
Riverside Fairy Shrimp	Endangered (1993)	Final 1998c	See vernal species (below).	Range: Skunk Hollow and Santa Rosa Plateau in Riverside County south to northern Baja CA. Specifically documented at MCAS Miramar, MCB Camp Pendleton, Otay Mesa, and two localities in Baja CA, Valle de las Palmas south of Tecate and Baja Mar, north of Ensenada.	See vernal species (below).	See vernal species (below).	
San Diego Fairy Shrimp	Endangered (1997)	Final 1998c	See vernal species (below).	Found primarily in vernal pools in San Diego County from MCB Camp Pendleton, inland to Ramona, and south through Del Mar Mesa, Kearny Mesa, Proctor Valley, and Otay Mesa. Two localities have been found in Baja California at Valle de las Palmas south of Tecate and Baja Mar, north of Ensenada. Small populations occur in Orange County and a single female was reported in a pool in Isla Vista, Santa Barbara Co.	See vernal species (below).	See vernal species (below).	

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PLANTS							
San Diego Button Celery	Endangered (1993)	Final 1998c	See vernal species (below).	Range: Santa Rosa Plateau, Riverside Co., south to the mesas north of Ensenada, Mesa de Colonet, and San Quintin, Baja California. Found in pools on Del Mar Mesa, Mira Mesa, Kearny Mesa, MCAS Miramar, MCB Camp Pendleton, Otay Mesa, and sites within the cities of Tierrasanta, San Marcos, Carlsbad, and Ramona.	See vernal species (below).	See vernal species (below).	
Spreading Navarretia	Threatened (1998)	Final 1998c	See vernal species (below).	Range: Santa Clarita region of LA County east to the western lowlands of Riverside county south through coastal and foothill San Diego County south to San Quintin, Baja California. Fewer than 30 populations exist. Nearly 60% of these populations are concentrated in 3 locations in CA: on Otay Mesa in SD County, along the San Jacinto River in Riverside County, and near Hemet in western Riverside County.	See vernal species (below).	See vernal species (below).	
Thread-Leaf Brodiaea	Threatened (1998)			Range: Vernal pools, wetlands, clay soils, or moist grasslands in southwestern California and northwestern Baja California, Mexico	Investigating		
HABITAT/ MULTIPLE SPECIES							
Vernal Pool Species (4)		Final 1998c	Conserve and enhance southern California vernal pools for a minimum of 10 years in these management areas: Transverse, Los Angeles Basin-Orange, Riverside including Hemet complexes, SD north coastal mesas, SD central coastal mesas, SD south coastal mesas including Stockpen soils in Otay Mesa, and SD inland valley including San Marcos and Ramona vernal pool complexes.	See below	The highest densities of vernal pools are found in Bravo 2, Oscar 1, Oscar 2, Tango, Uniform, Victor, and White Beach.	Conserve and enhance southern California vernal pools for a minimum of 10 years in the SD north coastal mesas management area	Uplands BO in process

References:

USFWS. 1980. California least tern recovery plan. Dated April 2, 1980. Prepared by the USFWS, Region 1, Portland, Oregon, In Cooperation with the Recovery team

USFWS. 1983. The California brown pelican recovery plan, dated February 3, 1983, prepared by the USFWS under contract with Franklin Gress and Daniel W. Anderson (University of California, Davis)

USFWS. 1985a. Recovery plan for the California least tern, *Sterna antillarum browni*. USFWS, Portland, Oregon 112. pp.

USFWS. 1985b. Recovery plan for the light-footed clapper rail. USFWS, Portland, Oregon. 121pp.

USFWS. 1996 Tidewater goby (*Eucyclogobius newberryi*) draft recovery plan. USFWS, Portland, Oregon 131pp.

USFWS. 1997. Draft recovery plan the Stephens' kangaroo rat. USFWS, Portland, Oregon. 71pp.

USFWS. 1998a. Draft recovery plan for the least Bell's vireo. USFWS, Portland, Oregon. 139pp.

USFWS. 1998b. Pacific pocket mouse recovery plan. Portland, Oregon. 112 pp.

USFWS. 1998c. Vernal pools of southern California recovery plan. USFWS, Portland, Oregon. 113+pp.

USFWS. 1999. Arroyo southwestern toad Recovery Plan. USFWS, Portland, Oregon. vi + 119 pp.

USFWS. 1999. Western Snowy Plover Pacific Coast Population, Recovery Plan (AGENCY DRAFT) Portland, Oregon. 355 pp.