

Table 8.1 Examples of CDFW Survey Protocols, Monitoring, and Adaptive Management Plans

Program or Project	Plan Name	Species of Greatest Conservation Need (SGCNs)	Community/Habitat(s)	Monitoring Component	Adaptive Management Component
CDFW Mohave Ground Squirrel Conservation	A Conservation Strategy for the Mohave Ground Squirrel	Mohave Ground Squirrel	Shadscale-Saltbush Scrub	Yes	Yes
CDFW Sierra Nevada Red Fox Conservation	A Conservation Strategy for the Sierra Nevada Red Fox	Sierra Nevada Red Fox	Forb Meadow, and Grassland, Rocky Mountain Subalpine and High Montane Conifer Forest, Western North America Wet Meadow and Low Shrub Carr, Western North American Montane/Boreal Peatland, Western North American Montane-Subalpine Wet Shrubland and Wet Meadow, Western North American Temperate Grassland and Meadow, Vancouverian Alpine Scrub, Vancouverian Flooded and Swamp Forest	Yes	
Conservation of Springsnails in Nevada and Utah	A Strategy for Conservation of Springsnails in Nevada and Utah, USA	Fish Slough Springsnail, Wong's Springsnail	Springs and Spring Brooks	Yes	
none	A Willow Flycatcher Survey Protocol for California	Willow Flycatcher	Warm Southwest Riparian Forest		
Marine Protected Area Monitoring Program	Assessment of Rocky Intertidal Habitats for the California Marine Protected Area Monitoring Program Report	Rocky Intertidal species and habitats	Marine ecosystems	Yes	Yes
CDFW Bay Delta Studies and Surveys	N/A	Delta Smelt, Longfin Smelt, Green Sturgeon, White Sturgeon	Freshwater aquatic targets, Anadromous conservation targets	Yes	Yes
Greater Sage Gouse Conservation Efforts	Bi-State Sage-Grouse Action Plan	Greater Sage-Grouse	Cool Semi-Desert Wash and Disturbance Scrub, Inter-Mountain Dry Shrubland and Grassland, Western North American Montane-Subalpine Wet Shrubland and Wet Meadow, Western North America Tall Sage Shrubland and Steppe, Western North American Temperate Grassland and Meadow, Western North America Vernal Pool, Western North America Wet Meadow and Low Shrub Carr	Yes	Yes
CDFW Black Bear	Black Bear Conservation and Management Plan for California		Numerous	Yes	Yes
None	Boca Unit Floodplain Restoration				Yes
Butte Creek House Meadow Restoration Project	N/A		Wet Mountain Meadow		Yes

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Program or Project	Plan Name	Species of Greatest Conservation Need (SGCNs)	Community/Habitat(s)	Monitoring Component	Adaptive Management Component
California Collaborative Fisheries Research Program	California Collaborative Fisheries Research Program- Monitoring and Evaluation of California Marine Protected Areas Report	Groundfish species	Marine ecosystems	Yes	Yes
CDFW Anadromous Fish Monitoring	California Monitoring Plan for Salmon and Steelhead	SONCC Chinook and Coho Salmon, CCC Chinook and Coho Salmon, SCC Steelhead, SC Steelhead	Anadromous assemblages	Yes	
None	California's MPA Network Decadal Management Review	Various nearshore marine species and habitats	Marine ecosystems	Yes	Yes
California Wildfire and Forest Resilience Task Force	California's Wildfire and Forest Resilience Action Plan		Numerous	Yes	Yes
CDFW Hatcheries	California Coastal Salmonid Population Monitoring	Pacific Salmon	Anadromous conservation targets, Freshwater aquatic targets	Yes	Yes
Lower Sacramento River Green Sturgeon Telemetry Monitoring	N/A	Green Sturgeon, White Sturgeon	Anadromous assemblages		
CDFW Klamath-Trinity River Program and tribal and federal agency monitoring programs- anadromous salmonids, including the Yurok, Karuk, and Hoopa Klamath River Coho Ecolo Study,and the Yurok's and Wiyot Pacific Lamprey monitoring programs	Fisheries Restoration Grant Program -Funded Watershed Assessment Plans	Southern Oregon/ Northern California Coast (SONCC) Chinook Salmon, Coho Salmon, Steelhead	Anadromous assemblages	Yes	
North Coast Salmon Project	N/A	Pacific Chinook and Coho Salmon	Anadromous assemblages		
CDFW Fish Hatcheries	Central San Joaquin Floodplain Restoration	California Central Valley Chinook Salmon	Anadromous assemblages		
White Sturgeon Conservation Program	N/A	White Sturgeon	Anadromous assemblages	Yes	
MPA Management Program	Marine Protected Area Action Plan	Central Coast nearshore marine species and habitats	Marine ecosystems	Yes	Yes

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Program or Project	Plan Name	Species of Greatest Conservation Need (SGCNs)	Community/Habitat(s)	Monitoring Component	Adaptive Management Component
Central Valley Chinook Salmon	N/A	California Central Valley Chinook Salmon and Steelhead	Anadromous assemblages		
Central Valley Steelhead Monitoring	A Comprehensive Monitoring Plan for Steelhead in the California Central Valley	Central Valley Steelhead	Anadromous assemblages	Yes	
none	Coachella Valley Multiple Species Habitat Conservation Plan (MSHCP)	Desert Pupfish, Yuma Clapper Rail, CV Fringe-toed Lizard	Numerous	Yes	Yes
CDFW Web page for Bighorn Sheep Conservation	Conservation and Management Plan for Bighorn Sheep in California	Bighorn Sheep (multiple)	Numerous	Yes	Yes
CDFW Webpage for Gray Wolf	Conservation Plan for Gray Wolves in California	Gray Wolf			
None	Inyo California Towhee 5-year Review	Inyo California Towhee	Warm Southwest Riparian Forest	Yes	Yes
none	Desert Tortoise Montioring Handbook	Mojave Desert Tortoise	Desert Wash Woodland and Scrub, High Desert Wash and “Rangeland” Scrub, Great Basin Upland Scrub, Mojave and Sonoran Desert Scrub, Shadscale-Saltbush Scrub	Yes	Yes
CDFW Tricolored Blackbird	Drought Stressor Monitoring Case Study: Conserving the Tricolored Blackbird through monitoring, breeding colony protection, and habitat restoration	Tri-Colored Blackbird	Numerous	Yes	Yes
Marine Protected Area Monitoring Program	Establishing a statewide baseline and long-term MPA monitoring program for commercial and CPFV fisheries in the state of California	Commerical fisheries	Marine ecosystems	Yes	Yes
Marine Protected Area Monitoring Program	Evaluation the performance of California's MPA Network through the lens of sandy beach and surf zone ecosystems	Sandy beach species and ecosystems	Marine ecosystems	Yes	Yes
NOAA	Final Coastal Multispecies Recovery Plan for California Coastal Chinook Salmon, Northern California Steelhead and Central Coast Steelhead	California Coastal Chinook Salmon, Northern California Steelhead, Central California Coast Steelhead	Anadromous assemblages		

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Program or Project	Plan Name	Species of Greatest Conservation Need (SGCNs)	Community/Habitat(s)	Monitoring Component	Adaptive Management Component
NOAA	Final Recovery Plan for South-Central California Steelhead	South-Central California Steelhead	Anadromous assemblages		
CDFW Desert Pupfish	Five Year Species Review of Desert pupfish	Desert Pupfish			
Marine Protected Area Monitoring Program	Integrated Ocean Observing Systems for Assessing Marine Protected Areas Across California	Various nearshore marine species and habitats; oceanographic features	Marine ecosystems	Yes	Yes
CDFW Lahontan Cutthroat Trout	Lahontan Cutthroat Trout Recovery	Lahontan Cutthroat Trout	Walker River Native Fish Assemblage	Yes	
	Least Bell's vireo survey protocols	Least Bell's Vireo	Warm Southwest Riparian Forest		
Fish Slough Ecological Reserve	Management Plan for Fish Slough A Cooperative Management Program (1984)	Fish Slough Milk-Vetch	Cienegas, Springs and Spring Brooks, and key aquatic habitats (ponds, alkali meadow)	Yes	Yes
Marine Protected Area Monitoring Program	Marine Protected Area (MPA) Monitoring Action Plan	Various near-shore marine species and habitats	Marine ecosystems	Yes	Yes
Marine Protected Area Monitoring Program	Monitoring and evaluation of kelp forest ecosystems in the MLPA marine protected area network	Kelp forest species and habitats	Marine ecosystems	Yes	Yes
Marine Protected Area Monitoring Program	Monitoring and Evaluation of Mid-Depth Rock Ecosystems in the MLPA Marine Protected Areas	Mid-depth rocky reef species and habitats	Marine ecosystems	Yes	Yes
	Mount Diablo State Park Vegetation Treatment Project				Yes
	North Coast MPA Monitoring Plan 2017	North Coast nearshore marine species and habitats	Marine ecosystems	Yes	Yes
	North Coast Salmon Project		Anadromous assemblages		
	North Coast Smelt Monitoring	Longfin Smelt, Eulachon	Anadromous assemblages	Yes	
Ocean Resources Enhancement and Hatchery Program		Pacific salmon	Anadromous assemblages	Yes	

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Program or Project	Plan Name	Species of Greatest Conservation Need (SGCNs)	Community/Habitat(s)	Monitoring Component	Adaptive Management Component
CDFW Web page OwensTui-Chub	Owens Basin Wetland and Aquatic Species Recovery Plan for Inyo and Mono Counties, CA	Owens Tui Chub	Anthropogenically Created Features, Cienegas, Springs and Spring Brooks, and key aquaitc habitats (ponds, lakes, reservoirs, aquatic refuges)	Yes	
CDFW Web page Owens-pupfish	Five-Year Species Review of Owen's Pupfish	Owens Pupfish	Anthropogenically Created Features, Cienegas, Springs and Spring Brooks, Warm Southwest Riparian Forest, and key aquatic habitats (ponds, lakes, reservoirs, aquatic refuges, streams, rivers)	Yes	
CDFW Web page Long Valley Speckled Dace	Owens Speckled Dace Recovery	Owens Speckled Dace	Anthropogenically Created Features, Cienegas, Springs and Spring Brooks, Warm Southwest Riparian Forest, and key aquatic habitats (ponds, lakes, reservoirs, aquatic refuges, streams, rivers)	Yes	
Pacific Lamprey and Western River Lamprey Monitoring Programs		Pacific Lamprey, Western River Lamprey	Klamath-Trinity and Central Valley ecoregions	Yes	
Priority Action Coho Team			Anadromous assemblages		
Drought Projects-Amaragosa Basin	Recovery Plan for Amargosa Vole	Amargosa vole	Cienegas, Springs and Spring Brooks, and key aquatic habitats (ponds, alkali meadow)		
	Recovery Plan for the Evolutionarily Significant Unit of Central California Coast Coho Salmon	Central California Coast Coho Salmon	Anadromous assemblages		
CDFW Desert Tortoise	Revised Recovery Plan for the Mojave Population of the Desert tortoise	Mojave Desert Tortoise	Desert Wash Woodland and Scrub, High Desert Wash and "Rangeland" Scrub, Great Basin Upland Scrub, Mojave and Sonoran Desert Scrub, Shadscale-Saltbush Scrub	Yes	Yes
	San Francisco Garter Snake Recovery Action Plan	San Francisco Garter Snake			Yes
	Scientific Guidance for Evaluating California's Marine Protected Area Network	Various nearshore marine species, habitats, human dimensions		Yes	Yes
Snake Marsh Restoration Project		Giant Garter Snake			Yes

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Marine Protected Area Monitoring Program	South Coast MPA Monitoring Plan 2011	South Coast nearshore marine species and habitats		Yes	Yes
	Species Status Assessment Report for Western Pond Turtles	Western Pond Turtle	Anthropogenically Created Features, Cienegas, Springs and Spring Brooks, Warm Southwest Riparian Forest, and key aquatic habitats (ponds, lakes, reservoirs, aquatic refuges, streams, rivers)		
	State and Federal Fishery Management Plans (FMPs)	Numerous marine species		Yes	Yes
Marine Protected Area Monitoring Program	State of the California Central Coast 2013	Central Coast nearshore marine species and habitats	Marine ecosystems	Yes	Yes
Marine Protected Area Monitoring Program	State of the California North Central Coast 2015	North Central Coast nearshore marine species and habitats	Marine ecosystems	Yes	Yes
Marine Protected Area Monitoring Program	State of the California North Coast 2017	North Coast nearshore marine species and habitats	Marine ecosystems	Yes	Yes
Marine Protected Area Monitoring Program	State of the California South Coast 2017	South Coast nearshore marine species and habitats	Marine ecosystems	Yes	Yes
California Bobcat Population Monitoring Project	Statewide Bobcat Management Plan	Bobcat	Numerous	Yes	
	Status Review of the San Bernardino Kangaroo Rat in California	San Bernardino Kangaroo Rat	Numerous		
CDFW Joshua Tree Conservation	Western Joshua Tree Conservation Plan	Western Joshua Tree	Joshua Tree scrub	Yes	Yes
	Western Riverside Multiple Species Habitat Conservation Plan	Numerous	Numerous	Yes	Yes
Locations of Gray Wolves in California	Wolf Tracker	Gray Wolf		Yes	Yes