Appendix F   Climate Adaptation Strategies Crosswalk

California's climate adaptation strategies, described in Section 2.5, are also consistent with the strategic framework provided in the National Fish, Wildlife, and Plants Climate Adaptation Strategy. Tables F.1 (Ecoregion Targets) and F.2 (Hydrologic Unit Targets) identify how the SWAP 2015 conservation strategies outlined in Chapters 4 and 5 align with these state and federal strategies and, thus, achieve important climate adaptation co-benefits.

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
BAY DELTA AND CENTRAL COAST PROVINCE																											
Central California Coast Ecoregion																											
California Grasslands and Flowerfields																X		X					X				X
Conduct research	Data Collection and Analysis																						X				
Coordinate with fire agencies to develop and implement fire management BMPs	Partner Engagement																	X									
Coordination with Caltrans and County Transportation Agency	Partner Engagement																										
Develop HCPs, NCCP and management plans	Land Acquisition/ Easement/Lease																	X									
Develop statewide strategies on renewable energy development location siting	Land Use Planning																										
Manage invasive species	Direct Management																										X
Provide input on project planning and decision making process	Land Use Planning																										
Coastal Sage Scrub, Northwest Coast Cliff and Outcrop, Coastal Dune and Bluff Scrub, North Coast Deciduous Scrub and Terrace		X	X	X				X			X	X	X			X		X	X				X				X
Advocate for Laws and Policies	Law and Policy																	X									
Conduct research	Data Collection and Analysis		X																				X				

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Conservation area designation	Land Acquisition/ Easement/Lease												X														
Direct management	Direct Management		X																								X
Environmental review	Environmental Review																										
Land use planning	Land Use Planning															X											
Management planning	Management Planning		X															X									
Partner engagement	Partner Engagement								X									X									
Protect land thru acquisition/lease, conservation Easements or water rights acquisition	Land Acquisition/ Easement/Lease	X													X												
American Southwest Riparian Forest and Woodland		**X**								**X**					**X**									**X**			**X**
Conduct education and outreach	Outreach and Education									X														X			
Develop buffers	Direct Management																										
Develop grazing BMPs	Direct Management																										
Improve road maintenance	Direct Management																										
Manage dams and other barriers	Direct Management	X													X												
Manage invasive species	Direct Management																										X

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Central California Coast Ranges Ecoregion																											
California Grasslands and Flowerfields																X		X					X				X
Conduct research	Data Collection and Analysis																						X				
Coordinate with fire agencies to develop and implement fire management BMPs	Partner Engagement																	X									
Coordination with Caltrans and County Transportation Agency	Partner Engagement																										
Develop HCP, NCCP and management plans	Land Acquisition/ Easement/Lease															X											
Develop statewide strategies on renewable energy development location siting	Land Use Planning																										
Manage invasive species	Direct Management																										X
Provide input on project planning and decision making process	Land Use Planning																										
American Southwest Riparian Forest and Woodland		X								X					X									X			X
Conduct education and outreach	Outreach and Education									X														X			
Develop buffers	Direct Management																										
Develop grazing BMPs	Direct Management																										

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Improve road maintenance	Direct Management																										
Manage dams and other barriers	Direct Management	X													X												
Manage invasive species	Direct Management																										X
CASCADES AND MODOC PLATEAU PROVINCE																											
Modoc Plateau Ecoregion																											
Big Sagebrush Scrub, Great Basin Dwarf Sagebrush Scrub, Great Basin Upland Scrub							X		X	X		X		X				X						X		X	X
Advocate for wildlife friendly fire management	Outreach and Education																										
Conduct controlled burns	Direct Management																										
Conduct education and outreach	Outreach and Education									X														X			
Conduct research	Data Collection and Analysis					X						X															
Develop BMPs	Law and Policy																										
Funding	Economic Incentives																										
Habitat restoration and enhancement	Direct Management													X													
Manage invasive species	Direct Management																										X
Management partnership/coordination	Partner Engagement								X									X									
Provide economic incentives	Economic Incentives																										
Provide input on grazing management plans	Management Planning																									X	

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Northwestern Basin and Range Ecoregion																											
Great Basin Pinyon-Juniper Woodland			X			X			X													X	X			X	X
Collect data on climate impacts	Data Collection and Analysis					X																X					
Establish/Maintain Partnerships	Partner Engagement								X														X				
Identify highest priority areas and manage for fire risk	Direct Management		X																							X	
Identify highest priority areas, restore and manage for invasive species	Direct Management		X																								X
Southern Cascades Ecoregion																											
Western Upland Grasslands			X										X						X	X		X		X		X	X
Advocate for Laws and Policies	Law and Policy																		X								
Baseline data collection and analysis on effect of fire on grasslands	Data Collection and Analysis																					X					
Manage grazing	Direct Management																									X	
Manage invasive species	Direct Management		X																								X
Protect and restore land acquired or conservation easement	Land Acquisition /Easement/Lease												X														
Provide economic incentives	Economic Incentives																			X							

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Provide input on local planning	Land Use Planning																						X				
North Coastal Mixed Evergreen and Montane Conifer Forest										X			X			X			X				X	X			
Advocate for laws and policies	Law and Policy																		X								
Conduct education and outreach	Outreach and Education									X														X			
Conduct research	Data Collection and Analysis																						X				
Development and implementation of existing management plans	Management Planning															X											
Engage in decision-making process	Law and Policy																							X			
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
CENTRAL VALLEY AND SIERRA NEVADA PROVINCE																											
Great Valley Ecoregion																											
American Southwest Riparian Forest and Woodland										X			X			X							X	X			X
Acquire water rights	Land Acquisition/ Easement/Lease																										
Conduct education and outreach	Outreach and Education									X														X			
Conduct research	Data Collection and Analysis																						X				

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Develop and implement HCPs	Management Planning															X											
Effective law enforcement	Law and Policy																										
Manage invasive species	Direct Management																										X
Manage water flows	Direct Management															X											
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
Provide input on local planning	Management Planning																										
Sierra Nevada Ecoregion																											
Alpine Vegetation			X		X		X	X	X							X		X					X	X		X	X
Conduct education and outreach	Outreach and Education									X														X			
Develop economic incentives	Economic Incentives					X																					
Development and implementation of existing management plans	Management Planning															X											
Establish/maintain partnerships	Partner Engagement								X									X									
Gather more information on macrogroup habitat	Data Collection and Analysis		X																				X				

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Manage grazing and invasive species, and remove trails	Direct Management																										X
Provide training on science based applications and tools	Training and Technical Assistance					X																					
Restore habitat	Direct Management																									X	
North Coastal Mixed Evergreen and Montane Conifer Forest			X			X				X			X			X		X	X				X	X			
Advocate for laws and policies	Law and Policy																		X								
Conduct education and outreach	Outreach and Education									X														X			
Conduct research	Data Collection and Analysis			X																			X				
Development and implementation of existing management plans	Management Planning															X											
Engage in decision-making process	Law and Policy																	X									
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease												X														
Pacific Northwest Subalpine Forest		X	X			X		X	X		X					X						X	X				
Collect data on climate impacts	Data Collection and Analysis		X																			X					
Collect data to evaluate effects of fuels treatments	Data Collection and Analysis	X																					X				

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Develop economic incentives	Economic Incentives							X																			
Development and implementation of existing management plans	Management Planning		X													X											
Establish/maintain partnerships	Partner Engagement								X																		
Implement fuels treatments	Direct Management																										
Provide input on local planning	Land Use Planning												X			X											
Provide science based applications and tools	Training and Technical Assistance					X																					
Review projects	Environmental Review							X																			
Fen (Peatlands)								**X**		**X**	**X**					**X**							**X**	**X**		**X**	**X**
Conduct education and outreach	Outreach and Education							X																X			
Conduct research	Data Collection and Analysis																						X				
Habitat restoration and enhancement	Direct Management													X													
Implement grazing practices that benefit meadow ecosystems	Management Planning																									X	
Manage invasive species	Direct Management																										X

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
Provide input on grazing management plans	Management Planning															X											
Restore meadows impacted by roads and railroads	Direct Management													X													
Sierra Nevada Foothills Ecoregion																											
California Foothill and Valley Forests and Woodlands									X	X			X			X								X			
Conduct controlled burns	Direct Management																										
Conduct demonstration management	Direct Management									X																X	
Conduct education and outreach	Outreach and Education									X																X	
Establish/maintain partnerships	Partner Engagement								X									X									
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
Provide economic incentives	Economic Incentives																										
Chaparral, Desert Transition Chaparral, Montane Chaparral, and California Foothill and Coastal Rock Outcrop Vegetation			X						X				X			X		X				X					X
Conduct research	Data Collection and Analysis		X																			X					

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Direct management	Direct Management		X																								X
Management planning	Management Planning															X											
Partner engagement	Partner Engagement								X									X									
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease												X														
DESERTS PROVINCE																											
Colorado Desert Ecoregion																											
Desert Wash Woodland and Scrub																X							X				
Conduct education and outreach	Outreach and Education															X											
Conduct research	Data Collection and Analysis																						X				
Develop BMPs for roads and railroads	Land Use Planning																										
Partner for joint advocacy	Partner Engagement																										
Sparsely Vegetated Desert Dune		X	X						X							X		X					X				
Collect data on macrogroup and SCGN status	Data Collection and Analysis		X																				X				
Continue to provide input on local land use plans	Land Use Planning																										

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Development and implementation of existing management plans	Management Planning		X													X											
Establish/maintain partnerships	Partner Engagement								X									X									
Support implementation of existing HCPs	Direct Management															X											
Mojave Desert Ecoregion																											
Shadscale-Saltbush Scrub									X	X			X			X	X	X					X	X			
Conduct education and outreach	Outreach and Education									X														X			
Conduct research	Data Collection and Analysis																						X				
Development and implementation of existing management plans	Management Planning															X											
Establish/maintain partnerships	Partner Engagement								X							X		X									
Partner for joint advocacy	Partner Engagement																										
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
Provide training on invasive species management	Training and Technical Assistance																X										

Table F-1 Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	California (C) and National (N) Climate Adaptation Strategies																									
		C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Mono Ecoregion																											
Great Basin Pinyon-Juniper Woodland			X			X			X									X				X				X	X
Collect data on climate impacts	Data Collection and Analysis					X																X					
Establish/maintain partnerships	Partner Engagement								X									X									
Identify highest priority areas and manage for fire risk	Direct Management		X																							X	
Identify highest priority areas, restore and manage for invasive species	Direct Management		X																								X
Big Sagebrush Scrub									X				X					X									X
Conduct research	Data Collection and Analysis																										
Management partnership/coordination	Partner Engagement								X									X									
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
Provide economic incentives	Economic Incentives																										
Resource management	Direct Management																										X

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Sonoran Desert Ecoregion																											
Mojave and Sonoran Desert Scrub									X				X			X	X	X									
Develop HCP, NCCP and management plans	Management Planning															X											
Establish/maintain partnerships	Partner Engagement								X									X									
Input on project planning and decision making process	Land Use Planning																										
Partner for joint advocacy	Outreach and Education																	X									
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease												X														
Provide training on renewable energy issues	Training and Technical Assistance																X										
Southeast Great Basin Ecoregion																											
High Desert Wash and "Rangeland" Scrub, Great Basin Upland Scrub						X			X							X						X	X				X
Comment on and amend plans	Management Planning															X											
Conduct research	Data Collection and Analysis					X																	X				
Establish/maintain partnerships	Partner Engagement								X													X					
Restore and protect priority areas	Direct Management					X																					X

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
American Southwest Riparian Forest and Woodland									X									X					X				X
Conduct research	Data Collection and Analysis																						X				
Engage in decision-making process	Land Use Planning								X									X									
Establish/maintain partnerships	Partner Engagement								X									X									
Manage invasive species	Direct Management																										X
NORTH COAST AND KLAMATH PROVINCE																											
Klamath Mountains Ecoregion																											
Alpine Vegetation			X					X	X	X						X		X			X		X	X		X	X
Conduct education and outreach	Outreach and Education									X														X			
Develop economic incentives	Economic Incentives								X																		
Development and implementation of existing management plans	Management Planning															X											
Establish/maintain partnerships	Partner Engagement							X										X									
Gather more information on macrogroup habitat	Data Collection and Analysis		X																				X				
Manage grazing and invasive species, and remove trails	Direct Management																										X

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Provide training on science based applications and tools	Training and Technical Assistance																				X						
Restore habitat	Direct Management																									X	
Montane Upland Deciduous Scrub									X	X				X				X	X				X	X			
Advocate for laws and policies	Law and Policy																		X								
Conduct comprehensive ecological assessment (research)	Data Collection and Analysis																						X				
Conduct education and outreach	Outreach and Education									X														X			
Conduct environmental review	Environmental Review																										
Conduct research	Data Collection and Analysis																						X				
Habitat restoration and enhancement	Direct Management													X													
Partner for joint advocacy	Partner Engagement									X								X									
Subalpine Aspen Forests and Pine Woodlands										X				X					X				X	X			
Advocate for laws and policies	Law and Policy																		X								
Conduct comprehensive ecological assessment (research)	Data Collection and Analysis																						X				
Conduct education and outreach	Outreach and Education									X														X			
Conduct environmental review	Environmental Review																										

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Conduct research	Data Collection and Analysis																						X				
Habitat restoration and enhancement	Direct Management													X													
Partner for joint advocacy	Partner Engagement																										
Fen (Peatlands), North Coastal and Montane Riparian Forest and Woodland, Subalpine Forests and Pine Woodlands, Western Upland Grasslands, Wet Mountain Meadow									**X**	**X**				**X**				**X**	**X**				**X**	**X**			
Advocate for laws and policies	Law and Policy																		X								
Conduct comprehensive ecological assessment (research)	Data Collection and Analysis																						X				
Conduct education and outreach	Outreach and Education									X														X			
Conduct environmental review	Environmental Review																										
Conduct research	Data Collection and Analysis																						X				
Habitat restoration and enhancement	Direct Management													X													
Partner for joint advocacy	Partner Engagement								X									X									
Northern California Coast Ecoregion																											
American Southwest Riparian Forest and Woodland, North Coastal and Montane Riparian Forest and Woodland										**X**		**X**	**X**					**X**								**X**	**X**
Better implement grazing BMP	Management Planning																										X

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Conduct education and outreach	Outreach and Education									X															X		
Coordination with Regional Conservation District's and flood control agencies, counties and cities	Partner Engagement																										
Develop buffers	Direct Management														X												
Develop CDFW Riparian Conservation Policy	Law and Policy																		X								
Habitat restoration and enhancement	Direct Management												X														
Riparian and wetlands Task Force	Partner Engagement																										
Freshwater Marsh										**X**			**X**			**X**			**X**					**X**			
Advocate for laws and policies	Law and Policy																		X								
Conduct education and outreach	Outreach and Education									X															X		
Development and implementation of existing management plans	Management Planning															X											
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/ Easement/Lease												X														
Provide economic incentives	Economic Incentives																										

Table F-1 Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Pacific Northwest Conifer Forests																X	X	X						X			X
Advocate for wildlife friendly fire management	Management Planning															X											
Conduct education and outreach	Outreach and Education																							X			
Conduct research	Data Collection and Analysis																X										
Development and implementation of existing management plans	Management Planning																										
Input on project planning and decision making process	Management Planning																										
Manage invasive species	Direct Management																										X
Partner for joint advocacy	Partner Engagement																	X									
Provide training on invasive species management	Training and Technical Assistance																										
Northern California Coast Ranges Ecoregion																											
Pacific Northwest Subalpine Forest		X	X		X		X	X		X						X							X				
Collect data on climate impacts	Data Collection and Analysis		X																					X			
Collect data to evaluate effects of fuels treatments	Data Collection and Analysis	X																						X			
Develop economic incentives	Economic Incentives							X																			

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Development and implementation of existing management plans	Management Planning		X													X											
Establish/maintain partnerships	Partner Engagement								X																		
Implement fuels treatments	Direct Management																										
Provide input on local planning	Land Use Planning										X					X											
Provide science based applications and tools	Training and Technical Assistance					X																					
Review projects	Environmental Review							X																			
American Southwest Riparian Forest and Woodland, North Coastal and Montane Riparian Forest and Woodland									**X**					**X**	**X**				**X**							**X**	**X**
Better implement grazing BMP	Management Planning																										X
Conduct education and outreach	Outreach and Education									X															X		
Coordination with Regional Conservation District's and flood control agencies, counties and cities	Partner Engagement																										
Develop buffers	Direct Management														X												
Develop CDFW Riparian Conservation Policy	Law and Policy																		X								
Habitat restoration and enhancement	Direct Management													X													

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Riparian and wetlands Task Force	Partner Engagement																										
Northern California Interior Coast Ranges Ecoregion																											
California Foothill and Valley Forests and Woodlands									X	X			X					X								X	
Conduct controlled burns	Direct Management																										
Conduct demonstration management	Direct Management, Outreach and Education									X																X	
Conduct education and outreach	Outreach and Education									X																X	
Establish/maintain partnerships	Partner Engagement								X									X									
Protect land through acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease												X														
Provide economic incentives	Economic Incentives																										
SOUTH COAST PROVINCE																											
Southern California Coast Ecoregion																											
California Grasslands/Vernal Pools and Flowerfields		X							X	X			X									X		X	X		X
Acquisition of grassland areas	Land Acquisition/Easement/Lease	X											X														
Conduct research	Data Collection and Analysis										X											X					

Table F-1   Ecoregion Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C1.2: Implement adaptive management	C2: Enhance biodiversity monitoring	C3.1: Promote nature-based adaptation solutions	C3.2: Prioritization tools for conservation activities	C4.1: Habitat mapping	C4.5: Identify emissions reduction opportunities	C5.1: Create partnerships	C5.2: Public education and outreach	C5.3: Increase CC knowledge	N1.1: Identify connectivity	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N3.4: Build funding capacity	N4.2: Employ decision-support tools	N5.1: Identify research gaps	N5.2: Conduct research	N6.1: Increase public awareness	N6.3: Coordinate communication	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Invasive species management	Direct Management																										X
Partner for joint advocacy	Partner Engagement																								X		
Provide input on local planning	Management Planning									X																X	
Southern California Mountain and Valley Ecoregion																											
American Southwest Riparian Forest and Woodland					**X**					**X**			**X**		**X**								**X**	**X**			**X**
Acquisition of riparian areas	Land Acquisition/Easement/Lease												X														
Advocate for effective enforcement of laws	Law and Policy																										
Conduct education and outreach	Outreach and Education									X														X			
Conduct research	Data Collection and Analysis																						X				
Invasive species management	Direct Management																										X
Manage dams and other barriers	Direct Management														X												
Provide input on local planning	Management Planning				X																						

Table F-2	Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies																	
		California (C) and National (N) Climate Adaptation Strategies																
Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
BAY DELTA AND CENTRAL COAST																		
Central California Coastal HUC 1806																		
Coastal Lagoons		**X**				**X**		**X**		**X**		**X**		**X**	**X**			
Advocate for laws and policies	Law and Policy													X				
Conduct research	Data Collection and Analysis														X			
Direct management	Direct Management									X								
Manage dams and other barriers	Direct Management	X						X										
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Training and technical assistance	Training and Technical Assistance											X						
Bay Delta Conservation Unit																		
Salt Marsh					**X**		**X**						**X**	**X**	**X**	**X**		**X**
Advocate for laws and policies	Law and Policy													X				
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Control invasive species	Direct Management																	X
Integrated resource management	Management Planning												X					
Partner for joint advocacy	Partner Engagement																	
Protect and restore land acquired or conservation easement	Land Acquisition/Easement/Lease						X											

Table F-2	Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies																	
		California (C) and National (N) Climate Adaptation Strategies																
Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Provide economic incentives	Economic Incentives																	
CASCADES AND MODOC PLATEAU																		
North Lahontan HUC 1808																		
Eagle Lake Native Fish Assemblage		X		X	X		X	X	X				X		X	X		X
Alternative water sources	Direct Management						X											
Conduct education and outreach	Outreach and Education				X											X		
Develop BMPs for water management/conservation	Management Planning								X									
Develop grazing BMPs	Law and Policy								X									
Domestic water efficiency/conservation	Management Planning																	
Engage in decision-making process	Partner Engagement			X									X					
Groundwater assessment	Data Collection and Analysis														X			
Improve road maintenance	Direct Management																	
Manage dams and other barriers	Direct Management	X						X										
Manage grazing	Direct Management						X											
Manage invasive species	Direct Management																	X
Provide economic incentives	Economic Incentives																	
Sacramento HUC 1802																		
Goose Lake Native Fish Assemblage		X			X		X						X			X	X	X
Conduct education and outreach	Outreach and Education				X											X		

Table F-2	Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies																
Targets and Strategies (Targets are listed in bold)	**Statewide Conservation Category**	**California (C) and National (N) Climate Adaptation Strategies**															
		C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Develop grazing BMPs	Law and Policy				X								X					
Manage dams and other barriers	Direct Management	X						X										
Manage invasive species	Direct Management																	X
Reduce need for livestock access to streams and riparian corridors	Direct Management																X	
CENTRAL VALLEY AND SIERRA NEVADA																		
Central Lahontan HUC 1605																		
Carson River Native Fish Assemblage		X			X	X	X	X	X		X	X			X	X		
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Develop basin management plan(s)	Management Planning								X									
Effective law enforcement	Law and Policy																	
Habitat restoration and enhancement	Direct Management						X											
Manage dams and other barriers	Direct Management	X						X										
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Reintroduce cutthroat trout (LCT and PCT)	Direct Management										X							
Restore native species	Direct Management										X							
Training and technical assistance	Training and Technical Assistance											X						

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	California (C) and National (N) Climate Adaptation Strategies																
		C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Walker River Native Fish Assemblage		X		X	X			X					X		X	X		X
Advocate for effective enforcement of laws	Law and Policy																	
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Conjunctive water management	Direct Management																	
Develop grazing BMPs	Direct Management																	
Direct management	Direct Management																	
Establish/maintain partnerships	Partner Engagement			X									X					
Input on project planning and decision making process	Management Planning																	
Manage dams and other barriers	Direct Management	X						X										
Manage invasive species to expand range of native fishes	Direct Management																	X
Reduce impacts with BMPs	Direct Management																	
Translocation or reintroduction of species	Direct Management																	
Sacramento HUC 1802																		
Clear Lake Native Fish Assemblage				X	X	X			X				X			X	X	X
Best management practices development	Direct Management								X									
Conduct education and outreach	Outreach and Education				X											X		
Control damage to creeks from OHV use	Direct Management																X	
Effective law enforcement	Law and Policy								X									

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	California (C) and National (N) Climate Adaptation Strategies																
		C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Establish/maintain partnerships	Partner Engagement			X									X					
Manage invasive species	Direct Management																	X
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Provide economic incentives	Economic Incentives																	
Goose Lake Native Fish Assemblage		X			X			X					X			X	X	X
Conduct education and outreach	Outreach and Education				X											X		
Develop grazing BMPs	Law and Policy				X								X					
Manage dams and other barriers	Direct Management	X						X										
Manage invasive species	Direct Management																	X
Reduce need for livestock access to streams and riparian corridors	Direct Management																X	
San Joaquin HUC 1804																		
San Joaquin Native Aquatic Species			X		X	X	X									X	X	X
Advocate for effective enforcement of laws	Law and Policy																	
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Control invasive species	Direct Management																	X
Improve fish passage	Direct Management							X										
Protect and restore floodplain function	Direct Management					X												

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Provide input on local planning	Management Planning		X															
Restore natural flows	Direct Management							X										
Tulare - Buena Vista Lakes HUC 1803																		
Upper Kern River Native Fish Assemblage					X	X	X				X	X			X	X		
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Development and implementation of existing management plans	Management Planning																	
Habitat restoration and enhancement	Direct Management						X											
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Reintroduce golden trout to historic range	Direct Management																	
Restore native species	Direct Management										X							
Training and technical assistance	Training and Technical Assistance											X						
DESERTS PROVINCE																		
Central Lahontan HUC 1605																		
Walker River Native Fish Assemblage		X		X	X			X				X			X	X		X
Advocate for effective enforcement of laws	Law and Policy																	
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			

Table F-2 Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies		California (C) and National (N) Climate Adaptation Strategies																
Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Conjunctive water management	Direct Management																	
Develop grazing BMPs	Direct Management																	
Direct management	Direct Management																	
Establish/maintain partnerships	Partner Engagement			X									X					
Input on project planning and decision making process	Management Planning																	
Manage dams and other barriers	Direct Management	X						X										
Manage invasive species to expand range of native fishes	Direct Management																	X
Reduce impacts with BMPs	Direct Management																	
Translocation or reintroduction of species	Direct Management																	
Northern Mojave - Mono Lake HUC 1809																		
Anthropogenically Created Aquatic Features				**X**	**X**								**X**		**X**	**X**		**X**
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Create refuges	Land Acquisition/Easement/Lease																	
Develop BMPs	Law and Policy																	
Establish/maintain partnerships	Partner Engagement			X									X					
Manage invasive species to expand range of aquatic/semi-aquatic SCGN	Direct Management																	X
Partner for joint advocacy	Partner Engagement																	

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Provide input on project planning and decision making process	Land Use Planning																	
Cienegas				X	X	X		X			X		X		X	X		
Conduct education and outreach	Outreach and Education				X											X		
Establish/maintain partnerships	Partner Engagement			X									X					
Research impacts of water management on native species within cienegas	Data Collection and Analysis														X			
Manage water use	Direct Management							X										
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Translocation or reintroduction of species	Direct Management										X							
Springs and Spring Brooks		X		X	X			X					X		X	X		X
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Establish/maintain partnerships	Partner Engagement			X									X					
Manage dams and other barriers	Direct Management	X						X										
Manage invasive species to expand range of native fishes	Direct Management																	X
Provide input on local planning	Management Planning												X					
Translocation or reintroduction of species	Direct Management																	

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Southern Mojave - Salton Sea HUC 1810																		
Anthropogenically Created Aquatic Features				X	X								X		X	X		X
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Create refuges	Land Acquisition/Easement/Lease																	
Develop BMPs	Law and Policy																	
Establish/maintain partnerships	Partner Engagement			X									X					
Manage invasive species to expand range of aquatic/semi-aquatic SCGN	Direct Management																	X
Partner for joint advocacy	Partner Engagement																	
Provide input on project planning and decision making process	Land Use Planning																	
Cienegas				X	X	X		X			X		X		X	X		
Conduct education and outreach	Outreach and Education				X											X		
Establish/maintain partnerships	Partner Engagement			X									X					
Research impacts of water management on native species within cienegas	Data Collection and Analysis														X			
Manage water use	Direct Management							X										
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Translocation or reintroduction of species	Direct Management										X							

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	California (C) and National (N) Climate Adaptation Strategies																
		C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
NORTH COAST AND KLAMATH PROVINCE																		
Klamath - Northern California Coastal HUC 1801																		
Native Aquatic Species Assemblages/Communities		X			X	X	X	X						X		X	X	
Acquisition of riparian areas	Land Acquisition/Easement/Lease					X												
Advocate for laws and policies	Law and Policy													X				
Conduct education and outreach	Outreach and Education				X											X		
Develop buffers	Direct Management						X											
Effective law enforcement	Law and Policy																	
Manage dams and other barriers	Direct Management	X						X										
Promote water conservation measures	Direct Management																	
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Provide economic incentives	Economic Incentives																	
Reduce need for livestock access to streams and riparian corridors	Direct Management																X	
SOUTH COAST PROVINCE																		
Southern California Coastal HUC 1807																		
South Coast Native Aquatic Herp Assemblage		X			X	X	X	X						X	X			X
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			

Table F-2   Hydrologic Unit Target Conservation Strategy Crosswalk to State and Federal Climate Adaptation Strategies

Targets and Strategies (Targets are listed in bold)	Statewide Conservation Category	C1.1: Improve connectivity	C3.1: Promote nature-based adaptation solutions	C5.1: Create partnerships	C5.2: Public education and outreach	N1.2: Secure conservation status	N1.3: Restore habitat	N1.4: Improve connectivity	N2.1: Update management plans and practices	N2.2: Manage species for CC	N2.3: Conserve genetic diversity	N3.1: Increase CC knowledge	N3.2: Coordinate actions	N3.3: Build legal capacity	N5.2: Conduct research	N6.1: Increase public awareness	N7.2: Reverse habitat degradation	N7.3: Manage invasive species
Manage dams and other barriers	Direct Management	X						X										
Manage invasive species	Direct Management																	X
Protect and restore habitat	Direct Management						X											
Protect land thru acquisition/lease, conservation easements or water rights acquisition	Land Acquisition/Easement/Lease					X												
Translocation or reintroduction of species	Direct Management																	
Native Fish Assemblage			**X**		**X**	**X**	**X**	**X**			**X**				**X**	**X**		**X**
Climate refugia	Data Collection and Analysis		X				X											
Conduct education and outreach	Outreach and Education				X											X		
Conduct research	Data Collection and Analysis														X			
Control invasive species	Direct Management																	X
Improve fish passage	Direct Management							X										
Protect and restore floodplain function	Direct Management						X											
Protect and restore unarmored threespine stickleback habitat	Land Acquisition/Easement/Lease					X												
Restore natural flows	Direct Management						X											
Translocation or reintroduction of species	Direct Management										X							