

# Appendix A Required Report Elements and Compliance

The California State Wildlife Action Plan (SWAP) 2015 update process has been guided by several documents provided by the Association of Fish and Wildlife Agencies' (AFWA) Teaming with Wildlife (TWW) coalition. TWW consists of more than 6,300 state fish and wildlife agencies, wildlife biologists, hunters, anglers, birdwatchers, hikers, nature-based businesses, and other conservationists. The TWW coalition is the leading advocate for the State and Tribal Wildlife Grants program and the implementation of SWAPs. The guidance documents provide the content necessary to fulfill the eight required elements, including supporting statements, of a SWAP (NAAT 2004), plan revisions strategies (AFWA 2012), and guidance on integrating climate change into management plans, including the SWAP (AFWA 2009).

Table A-1 lists the eight required elements with a description of where in the SWAP the elements are addressed. Table A-2 provides climate change-related guidance specific to each of the eight required elements.

## Eight Required Elements of a State Comprehensive Wildlife Conservation Strategy

Table A-1 Location of the Eight Required Elements in California's State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
<b>1. Information on the distribution and abundance of species of wildlife, including low and declining populations, that is indicative of the diversity and health of the state's wildlife</b>	
A. The Strategy indicates sources of information (e.g., literature, data bases, agencies, individuals) on wildlife abundance and distribution consulted during the planning process.	Section 1.4 State and Tribal Wildlife Grant Program Section 1.5 SWAP 2015 Approach Chapter 2 California's Natural Diversity and Conservation Issues Section 3.2 CDFW Planning Tools Chapter 6 Anadromous Fishes Chapter 10 Bibliography Appendix C Species of Greatest Conservation Need Appendix D Ranked List of Vegetation Communities (Macrogroups) by Ecoregion Appendix H Offshore Islands

Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
B. The Strategy includes information about both abundance and distribution for species in all major groups to the extent that data are available. There are plans for acquiring information about species for which adequate abundance and/or distribution information is unavailable.	Chapter 2 California’s Natural Diversity and Conservation Issues Section 2.3 Habitat and Species Diversity Section 4.2.1 Data Collection and Analysis Section 5.1.4 Species of Greatest Conservation Need (North Coast and Klamath) Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.4 Species of Greatest Conservation Need (Cascades and Modoc Plateau) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.4 Species of Greatest Conservation Need (Bay Delta and Central Coast) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.4 Species of Greatest Conservation Need (Central Valley and Sierra Nevada) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.4 Species of Greatest Conservation Need (South Coast) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.4 Species of Greatest Conservation Need (Deserts) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.4 Species of Greatest Conservation Need (Marine) Chapter 6 Anadromous Fishes Chapter 8 Monitoring California’s Conservation Strategies Appendix C Species of Greatest Conservation Need (Tables C-8 through C-28) Appendix H Offshore Islands
C. The Strategy identifies low and declining populations to the extent data are available.	Section 2.4 Species of Greatest Conservation Need Section 5.1.4 Species of Greatest Conservation Need (North Coast and Klamath) Section 5.2.4 Species of Greatest Conservation Need (Cascades and Modoc Plateau) Section 5.3.4 Species of Greatest Conservation Need (Bay Delta and Central Coast) Section 5.4.4 Species of Greatest Conservation Need (Central Valley and Sierra Nevada) Section 5.5.4 Species of Greatest Conservation Need (South Coast) Section 5.6.4 Species of Greatest Conservation Need (Deserts) Section 5.7.4 Species of Greatest Conservation Need (Marine) Chapter 6 Anadromous Fishes Appendix C Species of Greatest Conservation Need Appendix H Offshore Islands
D. All major groups of wildlife have been considered or an explanation is provided as to why they were not (e.g., including reference to implemented marine fisheries management plans). The State may indicate whether these groups are to be included in a future Strategy revision.	Chapter 2 California’s Natural Diversity and Conservation Issues Section 2.4 Species of Greatest Conservation Need Chapter 6 Anadromous Fishes Appendix C Species of Greatest Conservation Need
E. The Strategy describes the process used to select the species in greatest need of conservation. The quantity of information in the Strategy is determined by the State with input from its partners, based on what is available to the State.	Section 2.4 Species of Greatest Conservation Need Appendix C Species of Greatest Conservation Need

**Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015**

Required Element	Location in SWAP 2015
<p><b>2. Descriptions of locations and relative condition of key habitats and community types essential to conservation of species identified in the first element.</b></p>	
<p>A. The Strategy provides a reasonable explanation for the level of detail provided; if insufficient, the Strategy identifies the types of future actions that will be taken to obtain the information.</p>	<p>Section 1.4 State and Tribal Wildlife Grant Program                      Section 1.5 SWAP 2015 Approach                      Chapter 2 California’s Natural Diversity and Conservation Issues                      Section 2.3 Habitat and Species Diversity                      Section 2.5 Challenges in California Ecosystems                      Section 5.1.2 Conservation Units and Targets (North Coast and Klamath)                      Section 5.2.2 Conservation Units and Targets (Cascades and Modoc Plateau)                      Section 5.3.2 Conservation Units and Targets (Bay Delta and Central Coast)                      Section 5.4.2 Conservation Units and Targets (Central Valley and Sierra Nevada)                      Section 5.5.2 Conservation Units and Targets (South Coast)                      Section 5.6.2 Conservation Units and Targets (Deserts)                      Section 5.7.2 Marine Conservation Units and Targets                      Chapter 6 Anadromous Fishes                      Appendix C Species of Greatest Conservation Need                      Appendix D Ranked List of Vegetation Communities (Macrogroups) by Ecoregion</p>
<p>B. Key habitats and their relative conditions are described in enough detail such that the State can determine where (i.e., in which regions, watersheds, or landscapes within the State) and what conservation actions need to take place.</p>	<p>Section 1.5 SWAP 2015 Approach                      Chapter 2 California’s Natural Diversity and Conservation Issues                      Section 2.3 Habitat and Species Diversity                      Section 2.5 Challenges in California Ecosystems                      Section 5.1.2 Conservation Units and Targets (North Coast and Klamath)                      Section 5.1.3 Key Ecological Attributes (North Coast and Klamath)                      Section 5.1.5 Pressures on Conservation Targets (North Coast and Klamath)                      Section 5.1.6 Conservation Strategies (North Coast and Klamath) (Stress-Pressure Tables)                      Section 5.2.2 Conservation Units and Targets (Cascades and Modoc Plateau)                      Section 5.2.3 Key Ecological Attributes (Cascades and Modoc Plateau)                      Section 5.2.5 Pressures on Conservation Targets (Cascades and Modoc Plateau)                      Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) (Stress-Pressure Tables)                      Section 5.3.2 Conservation Units and Targets (Bay Delta and Central Coast)                      Section 5.3.3 Key Ecological Attributes (Bay Delta and Central Coast)                      Section 5.3.5 Pressures on Conservation Targets (Bay Delta and Central Coast)                      Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) (Stress-Pressure Tables)                      Section 5.4.2 Conservation Units and Targets (Central Valley and Sierra Nevada)                      Section 5.4.3 Key Ecological Attributes (Central Valley and Sierra Nevada)                      Section 5.4.5 Pressures on Conservation Targets (Central Valley and Sierra Nevada)                      Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) (Stress-Pressure Tables)                      Section 5.5.2 Conservation Units and Targets (South Coast)                      Section 5.5.3 Key Ecological Attributes (South Coast)                      Section 5.5.5 Pressures on Conservation Targets (South Coast)                      Section 5.5.6 Conservation Strategies (South Coast) (Stress-Pressure Tables)                      Section 5.6.2 Conservation Units and Targets (Deserts)                      Section 5.6.3 Key Ecological Attributes (Deserts)                      Section 5.6.5 Pressures on Conservation Targets (Deserts)                      Section 5.6.6 Conservation Strategies (Deserts) (Stress-Pressure Tables)                      Section 5.7.2 Marine Conservation Units and Targets                      Section 5.7.3 Key Ecological Attributes (Marine)                      Section 5.7.5 Pressures on Conservation Targets (Marine)                      Chapter 6 Anadromous Fishes                      Appendix D Ranked List of Vegetation Communities (Macrogroups) by Ecoregion                      Appendix H Offshore Islands</p>

Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
<b>3. Descriptions of problems and threats that may adversely affect species at risk or their habitats, and priority research and survey work needed for restoration and conservation of these species and habitats.</b>	
A. The Strategy indicates sources of information (e.g., literature, databases, agencies, or individuals) used to determine the problems or threats.	Section 1.4 State and Tribal Wildlife Grant Program Section 1.5 SWAP 2015 Approach Chapter 2 California’s Natural Diversity and Conservation Issues Section 2.5 Challenges in California Ecosystems Chapter 3 Existing Conservation Approaches Section 5.1.5 Pressures on Conservation Targets (North Coast and Klamath) Section 5.2.5 Pressures on Conservation Targets (Cascades and Modoc Plateau) Section 5.3.5 Pressures on Conservation Targets (Bay Delta and Central Coast) Section 5.4.5 Pressures on Conservation Targets (Central Valley and Sierra Nevada) Section 5.5.5 Pressures on Conservation Targets (South Coast) Section 5.6.5 Pressures on Conservation Targets (Deserts) Section 5.7.5 Pressures on Conservation Targets (Marine) Chapter 6 Anadromous Fishes Appendix H Offshore Islands
B. The threats/problems are described in sufficient detail to develop focused conservation actions (for example, "increased highway mortalities" or "acid mine drainage" rather than generic descriptions such as "development" or "poor water quality").	Section 2.5 Challenges in California Ecosystems Section 5.1.5 Pressures on Conservation Targets (North Coast and Klamath) Section 5.1.6 Conservation Strategies (North Coast and Klamath) (Stress-Pressure Tables) Section 5.2.5 Pressures on Conservation Targets (Cascades and Modoc Plateau) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) (Stress-Pressure Tables) Section 5.3.5 Pressures on Conservation Targets (Bay Delta and Central Coast) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) (Stress-Pressure Tables) Section 5.4.5 Pressures on Conservation Targets (Central Valley and Sierra Nevada) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) (Stress-Pressure Tables) Section 5.5.5 Pressures on Conservation Targets (South Coast) Section 5.5.6 Conservation Strategies (South Coast) (Stress-Pressure Tables) Section 5.6.5 Pressures on Conservation Targets (Deserts) Section 5.6.6 Conservation Strategies (Deserts) (Stress-Pressure Tables) Section 5.7.5 Pressures on Conservation Targets (Marine) Chapter 6 Anadromous Fishes Appendix H Offshore Islands
C. The Strategy considers threats/problems, regardless of their origins (local, State, regional, national and international), where relevant to the State’s species and habitats.	Section 2.5 Challenges in California Ecosystems Section 5.1.5 Pressures on Conservation Targets (North Coast and Klamath) Section 5.1.6 Conservation Strategies (North Coast and Klamath) (Stress-Pressure Tables) Section 5.2.5 Pressures on Conservation Targets (Cascades and Modoc Plateau) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) (Stress-Pressure Tables) Section 5.3.5 Pressures on Conservation Targets (Bay Delta and Central Coast) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) (Stress-Pressure Tables) Section 5.4.5 Pressures on Conservation Targets (Central Valley and Sierra Nevada) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) (Stress-Pressure Tables) Section 5.5.5 Pressures on Conservation Targets (South Coast) Section 5.5.6 Conservation Strategies (South Coast) (Stress-Pressure Tables) Section 5.6.5 Pressures on Conservation Targets (Deserts) Section 5.6.6 Conservation Strategies (Deserts) (Stress-Pressure Tables) Section 5.7.5 Pressures on Conservation Targets (Marine) Chapter 6 Anadromous Fishes Appendix H Offshore Islands

Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
D. If available information is insufficient to describe threats/problems, research and survey efforts are identified to obtain needed information.	Section 2.5 Challenges in California Ecosystems Chapter 3 Existing Conservation Approaches Section 5.1.5 Pressures on Conservation Targets (North Coast and Klamath) Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.5 Pressures on Conservation Targets (Cascades and Modoc Plateau) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.5 Pressures on Conservation Targets (Bay Delta and Central Coast) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.5 Pressures on Conservation Targets (Central Valley and Sierra Nevada) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.5 Pressures on Conservation Targets (South Coast) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.5 Pressures on Conservation Targets (Deserts) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.5 Pressures on Conservation Targets (Marine) Chapter 6 Anadromous Fishes Section 7.3 Resources Need for Conservation Actions Section 7.4 Coordination with Partners Section 7.6 Adaptive Response to Emerging Issues Section 8.3 SWAP 2015 Effectiveness Measure Framework Appendix H Offshore Islands
E. The priority research and survey needs, and resulting products, are described sufficiently to allow for the development of research and survey projects after the Strategy is approved.	Section 2.5 Challenges in California Ecosystems Chapter 3 Existing Conservation Approaches Section 5.1.5 Pressures on Conservation Targets (North Coast and Klamath) Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.5 Pressures on Conservation Targets (Cascades and Modoc Plateau) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.5 Pressures on Conservation Targets (Bay Delta and Central Coast) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.5 Pressures on Conservation Targets (Central Valley and Sierra Nevada) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.5 Pressures on Conservation Targets (South Coast) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.5 Pressures on Conservation Targets (Deserts) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.5 Pressures on Conservation Targets (Marine) Section 5.7.6 Conservation Strategies (Marine) Chapter 6 Anadromous Fishes Section 7.3 Resources Need for Conservation Actions Section 7.4 Coordination with Partners Section 7.6 Adaptive Response to Emerging Issues Section 8.3 SWAP 2015 Effectiveness Measure Framework Appendix H Offshore Islands

Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
<b>4. Descriptions of conservation actions determined to be necessary to conserve the identified species and habitats, and priorities for implementing such actions.</b>	
A. The Strategy identifies how conservation actions address identified threats to species of greatest conservation need and their habitats.	Section 1.4 State and Tribal Wildlife Grant Program Chapter 4 Statewide Conservation Categories Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.6 Conservation Strategies (Marine) Chapter 6 Anadromous Fishes Chapter 8 Monitoring California’s Conservation Strategies Appendix H Offshore Islands
B. The Strategy describes conservation actions sufficiently to guide implementation of those actions through the development and execution of specific projects and programs.	Chapter 4 Statewide Conservation Categories Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.6 Conservation Strategies (Marine) Chapter 6 Anadromous Fishes Chapter 7 Integration and Implementation Chapter 8 Monitoring California’s Conservation Strategies Appendix H Offshore Islands
C. The Strategy links conservation actions to objectives and indicators that will facilitate monitoring and performance measurement of those conservation actions (outlined in Element #5).	Chapter 1.5.4 Open Standards for the Practice of Conservation – Planning Framework Chapter 4 Statewide Conservation Categories Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.6 Conservation Strategies (Marine) Chapter 6 Anadromous Fishes Chapter 8 Monitoring California’s Conservation Strategies Appendix H Offshore Islands
D. The Strategy describes conservation actions (where relevant to the State’s species and habitats) that could be addressed by Federal agencies or regional, national or international partners and shared with other States.	Chapter 4 Statewide Conservation Categories Section 5.1.6 Conservation Strategies (North Coast and Klamath) Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau) Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast) Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada) Section 5.5.6 Conservation Strategies (South Coast) Section 5.6.6 Conservation Strategies (Deserts) Section 5.7.6 Conservation Strategies (Marine) Chapter 6 Anadromous Fishes Chapter 7 Integration and Implementation Appendix H Offshore Islands

**Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015**

Required Element	Location in SWAP 2015
<p>E. If available information is insufficient to describe needed conservation actions, the Strategy identifies research or survey needs for obtaining information to develop specific conservation actions.</p>	<p>Chapter 3 Existing Conservation Approaches                      Section 4.2.1 Data Collection and Analysis                      Section 5.1.6 Conservation Strategies (North Coast and Klamath)                      Section 5.2.6 Conservation Strategies (Cascades and Modoc Plateau)                      Section 5.3.6 Conservation Strategies (Bay Delta and Central Coast)                      Section 5.4.6 Conservation Strategies (Central Valley and Sierra Nevada)                      Section 5.5.6 Conservation Strategies (South Coast)                      Section 5.6.6 Conservation Strategies (Deserts)                      Section 5.7.6 Conservation Strategies (Marine)                      Section 6.7 Anadromous Fish Conservation Targets and Strategies                      Section 7.2 Companion Plans                      Section 7.3 Resources Need for Conservation Actions                      Section 7.4 Coordination with Partners                      Section 7.6 Adaptive Response to Emerging Issues                      Section 8.3 SWAP 2015 Effectiveness Measure Framework                      Appendix H Offshore Islands</p>
<p>F. The Strategy identifies the relative priority of conservation actions.</p>	<p>Section 1.5.3 Process to Prioritize Conservation Targets                      Section 5.1.6 Conservation Units and Targets (North Coast and Klamath)                      Section 5.2.6 Conservation Units and Targets (Cascades and Modoc Plateau)                      Section 5.3.6 Conservation Units and Targets (Bay Delta and Central Coast)                      Section 5.4.6 Conservation Units and Targets (Central Valley and Sierra Nevada)                      Section 5.5.6 Conservation Units and Targets (South Coast)                      Section 5.6.6 Conservation Units and Targets (Deserts)                      Section 5.7.2 Marine Conservation Units and Targets                      Appendix D Ranked List of Vegetation Communities (Macrogroups) by Ecoregion                      Appendix H Offshore Islands</p>
<p><b>5. Descriptions of the proposed plans for monitoring species at risk and their habitats for monitoring the effectiveness of the conservation actions proposed in Element 4 and for adapting these conservation actions to respond appropriately to new information or changing conditions.</b></p>	
<p>A. The Strategy describes plans for monitoring species identified in Element #1, and their habitats.</p>	<p>Section 4.2.1 Data Collection and Analysis                      Section 6.8.3 Research, Monitoring, and Resource Assessment (Anadromous Fish)                      Chapter 7 Implementation and Integration                      Section 8.3 SWAP 2015 Effectiveness Measure Framework</p>
<p>B. The Strategy describes how the outcomes of the conservation actions will be monitored.</p>	<p>Section 4.2.1 Data Collection and Analysis                      Section 6.8.3 Research, Monitoring, and Resource Assessment (Anadromous Fish)                      Chapter 7 Implementation and Integration                      Section 8.3 SWAP 2015 Effectiveness Measure Framework</p>
<p>C. If monitoring is not identified for a species or species group, the Strategy explains why it is not appropriate, necessary or possible.</p>	<p>N/A See Required Element 5.B.</p>
<p>D. Monitoring is to be accomplished at one of several levels including individual species, guilds, or natural communities.</p>	<p>Chapter 1.5.4 Open Standards for the Practice of Conservation – Planning Framework                      Section 4.2.1 Data Collection and Analysis                      Section 6.8.3 Research, Monitoring, and Resource Assessment (Anadromous Fish)                      Chapter 7 Implementation and Integration                      Section 8.3 SWAP 2015 Effectiveness Measure Framework</p>

Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
E. The monitoring utilizes or builds on existing monitoring and survey systems or explains how information will be obtained to determine the effectiveness of conservation actions.	Section 1.5.2 Geographic Scales Chapter 3 Existing Conservation Approaches Section 4.2.1 Data Collection and Analysis Section 6.8.3 Research, Monitoring, and Resource Assessment (Anadromous Fish) Chapter 7 Implementation and Integration Section 8.1 Adaptive Management Section 8.2 Monitoring Effectiveness of SWAP 2005 Implementation Section 8.3 SWAP 2015 Effectiveness Measure Framework
F. The monitoring considers the appropriate geographic scale to evaluate the status of species or species groups and the effectiveness of conservation actions.	Section 1.5.2 Geographic Scales Chapter 1.5.4 Open Standards for the Practice of Conservation – Planning Framework Section 4.2.1 Data Collection and Analysis Section 6.8.3 Research, Monitoring, and Resource Assessment (Anadromous Fish) Chapter 7 Implementation and Integration Section 8.3 SWAP 2015 Effectiveness Measure Framework
G. The Strategy is adaptive in that it allows for evaluating conservation actions and implementing new actions accordingly.	Chapter 1.5.4 Open Standards for the Practice of Conservation – Planning Framework Section 7.6 Adaptive Response to Emerging Issues Section 8.1 Adaptive Management Section 8.2 Monitoring Effectiveness of SWAP 2005 Implementation Section 8.3 SWAP 2015 Effectiveness Measure Framework
<b>6. Descriptions of procedures to review the strategy at intervals not to exceed 10 years.</b>	
A. The State describes the process that will be used to review the Strategy within the next ten years.	Chapter 7 Integration and Implementation Section 7.7 Review and Revision Chapter 8 Monitoring California’s Conservation Strategies
<b>7. Description of the plans for coordinating, to the extent feasible, the development, implementation, review, and revision of the strategy with federal, state, and local agencies and Indian tribes that manage significant land and water areas within the state or administer programs that significantly affect the conservation of identified species and habitats.</b>	
A. The State describes the extent of its coordination with and efforts to involve Federal, State and local agencies, and Indian Tribes in the development of its Strategy.	Acknowledgements Section 1.3.1 Vision Components Section 1.6 Companion Plans Section 4.2.2 Partner Engagement Chapter 5 Province-Specific Conservation Strategies Chapter 6 Anadromous Fishes Chapter 7 Integration and Implementation Section 8.3.2 Effectiveness Measures - Partner Engagement Appendix H Public Scoping Meeting Materials Appendix I California State Wildlife Action Plan Implementation Evaluation Report 2005-2014
B. The State describes its continued coordination with these agencies and tribes in the implementation, review and revision of its Strategy.	Section 1.6 Companion Plans Section 4.2.2 Partner Engagement Chapter 5 Province-Specific Conservation Strategies Chapter 6 Anadromous Fishes Section 7.2 Companion Plans Section 7.4 Coordination with Partners Section 7.7 Review and Revision Section 8.3.2 Effectiveness Measures - Partner Engagement Appendix H Offshore Islands Appendix I California State Wildlife Action Plan Implementation Evaluation Report 2005-2014



Table A-1 Location of the Eight Required Elements in California’s State Wildlife Action Plan 2015	
Required Element	Location in SWAP 2015
<b>8. Description of the necessary public participation in the development, revision, and implementation of the strategy.</b>	
A. The State describes the extent of its efforts to involve the public in the development of its Strategy.	Section 1.3.1 Vision Components Chapter 6 Anadromous Fishes Chapter 7 Integration and Implementation Section 7.5 Public Outreach Strategies Appendix J Public Scoping Meeting Materials
B. The State describes its continued public involvement in the implementation and revision of its Strategy.	Section 1.6 Companion Plans Chapter 7 Integration and Implementation Section 7.2 Companion Plans Section 7.5 Public Outreach Strategies

## Voluntary Guidance for States to Incorporate Climate Change into State Wildlife Action Plans and Other Management Plans

Table A-2 Guidance to Incorporate Climate Change into SWAPs	
Climate Change-Related Guidance (specific to the eight required elements in Table A-1)	Location in SWAP 2015
1. Species Distribution: states may want to use vulnerability assessments to support the addition/removal of species from their list of species in greatest need of conservation and examine how climate change could impact distribution and abundance of species and their status as native or exotic.	Section 2.4 Species of Greatest Conservation Need Appendix C Species of Greatest Conservation Need
2. Location and Condition of Key Habitats: states may want to assess how habitats and species ranges may change as a result of current and future climate change through scenario-building; both temporally and spatially and plan for novel communities/ecosystems that appear due to these shifts.	Section 2.5.3 Vulnerability to Climate Change
3. Descriptions of Problems and Priority Research Survey Efforts: states may want to consider both direct and indirect impacts of climate change; identify and execute research in partnership with other states/regions to gain economy of scale and consider climate change as an additional "layer" of threats to existing threats.	Section 1.4.2 Summary of Key Changes from SWAP 2005 (list of climate change related studies) Section 2.5.3 Vulnerability to Climate Change Chapter 5 Province-Specific Conservation Strategies
4. Descriptions of Conservation Actions: states should consider actions for a range of likely future climate conditions; identify/describe how conservation actions will be prioritized when considering multiple threats; identify actions that minimize, not necessarily eliminate climate change impacts; provide for wildlife adaptation; and provide for resilience and/or facilitate movement to suitable habitats and conditions.	Chapter 5 Province-Specific Conservation Strategies Chapter 6 Anadromous Fishes
5. Monitoring Plans: states should strive to implement streamlined and affordable monitoring programs that inform management decisions under a changing climate and should consider working with other states and partners to monitor species and habitats across their entire range.	Chapter 5 Province-Specific Conservation Strategies Chapter 6 Anadromous Fishes Section 7.4 Coordination with Partners Chapter 8 Monitoring California's Conservation Strategies
6. Plans for Revision: states should contact the US Fish and Wildlife Service regional office early in the revision process and refer to the 2007 USFWS/AFWA Revision Guidance letter to determine if a "major" or "minor" revision will be required.	Chapter 6 Anadromous Fishes Section 7.7 Review and Revision
7. Coordinating with Partners: states should consider coordinating and collaborating with partners since the scope, scale and uncertainty of climate change impacts will require a high level of expertise support and collaboration; agencies in coastal states should consider addressing marine environments and/or collaborating with sister agencies with jurisdiction over marine species.	Chapter 5 Province-Specific Conservation Strategies Chapter 6 Anadromous Fishes Section 7.4 Coordination with Partners Section 7.7 Review and Revision
8. Public Participation: states should consider public participation planning since the potential for controversy associated with climate change could be high; strive to improve understanding of the impacts to wildlife and gain public support or acceptance for revising your Wildlife Action Plan; use terms that are tested with the public like "safeguarding wildlife" as opposed to "wildlife adaption" and involve conservation partners early during the public participation planning process, but recognize there may not be agreement on messages or approaches.	Section 7.5 Public Outreach Strategies Appendix H Public Scoping Meeting Materials

## References

Association of Fish and Wildlife Agencies. 2009 (November). *Voluntary Guidance for States to Incorporate Climate Change into State Wildlife Action Plans & Other Management Plans*.

\_\_\_\_\_. 2012 (November). *Best Practices for State Wildlife Action Plans*. Voluntary Guidance to States for Revision and Implementation.

NAAT. See National Advisory Acceptance Team.

National Advisory Acceptance Team. 2004 (July 15). National Advisory Acceptance Team Review Reference Guide for the Members.