

Current practices in the identification of critical habitat for threatened species

Abbey E Camaclang, Martine Maron, Tara G Martin, and Hugh P Possingham

Supporting Information

Cite manuscript as

Camaclang, A. E., M. Maron, T. G. Martin, and H. P. Possingham. 2015. Current practices in the identification of critical habitat for threatened species. *Conservation Biology* 29:482-492.

Fully formatted and published version of the manuscript available from:

<https://doi.org/10.1111/cobi.12428>

Appendix 1. Code definitions and list of covariates used in the content analysis

Table A1-1. Coding scheme used in the content analysis of critical habitat documents, organized into categories based on foreshadowing questions used to guide the analysis.

Codes	Definitions
1. Information Type (What type of information is critical habitat identification based on?)	
Occurrence data:	
Occurrence	Based primarily on the locations of known occupied habitats, where species currently occur or where they have occurred in the past
Habitat features	Based on the presence of particular habitat features known or predicted to be essential from previous knowledge of species ecology/life history
Model-based data:	
Habitat quality	Based on quantitative habitat models that relate species presence to habitat size and quality
Spatial structure	Based on spatial structure of populations and accounts for habitat connectivity and potential for recolonization of extinct patches
Minimum viable population sizes	Based on estimates of minimum viable population sizes and the amount of habitat area required to meet these minimum targets
Spatially explicit population viability	Based on predictions of extinction risks in different habitat configurations, using spatially explicit population viability analyses
2. Habitat Occupancy (How did habitat occupancy influence the identification of critical habitats?)	
a) Occupied habitat	
All occupied	All known currently occupied habitat was designated as critical
Selected occupied	Only selected portions or locations known to be currently occupied were identified as critical habitat
None occupied	No currently occupied habitat was identified as critical habitat
b) Unoccupied habitat	
Selected unoccupied	Unoccupied habitat was identified as critical
None unoccupied	No unoccupied habitat was identified as critical
c) Previously occupied habitat	
Previously occupied	Unoccupied habitat known to have been occupied in the past was identified as critical habitat
No previously occupied	No previously occupied habitat was identified as critical habitat
d) Potential habitats	
Potential habitat	Unoccupied habitat that was not previously occupied, but may support populations in the future, was identified as critical habitat
No potential habitat	No potential habitat was identified as critical habitat

Table A1-1 (continued).

Codes	Definitions
3. Selection Criteria (If only a subset of known habitat is included, what criterion was used to select habitats for inclusion?)	
a) Occupied	
Disproportionately important	Specific habitat types or locations were considered to be important for crucial life stages or are used by important populations.
Consistent use/Stable population	Locations were known to be used consistently by individuals of the species, or that support population sizes greater than a specified threshold
Habitat quality	Sites contained sufficient amount and quality of important habitat features, or were less disturbed and/or degraded
Recovery goals	Habitat was needed to achieve population or distribution goals for the species
Ownership/management status	Habitat was of specific ownership or management type that allowed for easier or more cost-effective designations and protections
b) Previously occupied	
Recolonization	Habitat may be re-occupied by individuals from nearby areas
Reintroduction	Habitat may be used as reintroduction sites for individuals either translocated from other areas, or bred/reared ex-situ
Undetected presence	Habitat may support populations that are still extant, but have not been observed in recent years
c) Potential habitat	
Connectivity	Sites that were not typically occupied, but serve as movement corridors that connect habitat patches
Expansion	Habitat in close proximity to currently occupied areas that may serve as additional habitat as the population size increases
Introduction	Sites that have been identified as suitable and may serve as habitats for species introductions
Undetected presence	Sites that have been identified as suitable, and may currently support undetected populations

Table A1-2. List of potential covariates that may have influenced how critical habitats were identified.

Covariates	Description and codes used for each covariate
Taxa	Major taxonomic group of the species Birds Mammals Herpetofauna, including both Reptiles and Amphibians Fish Invertebrates Plants, also including Mosses and Lichens
Status	Conservation status in the country of designation Endangered, includes both Critically Endangered and Endangered categories Threatened, includes both Threatened (USA/CAN) and Vulnerable (AUS) categories
Extent	Geographic range of the species, subspecies, or population of interest Localized/Restricted to a small geographic area or specific locations Regional, but limited to portions of a single continental or oceanic region Widespread, occurs globally or on multiple continents/oceanic regions
Dispersal	Movement ability of individuals of the species Sessile, or Negligible movements over most of an individual's lifetime Limited movements within a portion of the total geographic range Wide-ranging movements over most of the species' geographic range
Distribution	Distribution of populations within the region or country of designation Isolated, or patchily distributed with little dispersal between populations Fragmented, with some dispersal occurring between populations Continuous, with no distinct separation into different groups or populations
Specificity	Species exhibits specific habitat use and/or requirements True False
Threat	Primary threatening process causing decline or limiting recovery Habitat loss and/or degradation Non-habitat related threats
Country	Country where critical habitat is designated Australia (AUS) Canada (CAN) United States (USA)
Litigation	Critical habitat designation has been subject to prior litigation (ruling/settlement) True False

Appendix 2. Critical habitat document references

Table A2-1. List of species selected and the critical habitat documents reviewed for each species.

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
<u>Australia</u>					<u>Recovery Plans</u>
Mammal	<i>Pipistrellus murrayi</i>	Christmas Island Pipistrelle	Critically Endangered	2006	Schulz, M. and Lumsden, L.F. 2004. National Recovery Plan for the Christmas Island Pipistrelle <i>Pipistrellus murrayi</i> . Commonwealth of Australia, Canberra.
Mammal	<i>Bettongia penicillata ogilbyi</i>	Woylie	Endangered	2009	Yeatman, G.J. and Groom, C.J. 2012. National Recovery Plan for the Woylie <i>Bettongia penicillata</i> . Wildlife Management Program No. 51. Department of Environment and Conservation, Perth.
Mammal	<i>Crocidura attenuata trichura</i>	Christmas Island Shrew	Endangered	2000	Schulz, M. 2004. National Recovery Plan for the Christmas Island Shrew <i>Crocidura attenuata trichura</i> . Department of the Environment and Heritage, Canberra.
Mammal	<i>Lasiorhinus krefftii</i>	Northern Hairy-nosed Wombat; Yaminon	Endangered	2000	Horsup, A. 2004. Recovery Plan for the Northern Hairy-nosed Wombat <i>Lasiorhinus krefftii</i> 2004-2008. Report to the Department of Environment and Heritage, Canberra. Environmental Protection Agency/Queensland Parks and Wildlife Service, Brisbane.
Mammal	<i>Petaurus gracilis</i>	Mahogany Glider	Endangered	2000	Parsons, M. and Latch, P. 2007. Recovery Plan for the Mahogany Glider <i>Petaurus gracilis</i> . Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Environmental Protection Agency, Brisbane.
Mammal	<i>Petrogale persephone</i>	Proserpine Rock-wallaby	Endangered	2000	Department of Environment and Resource Management. 2010. National Recovery Plan for the Proserpine Rock-Wallaby <i>Petrogale persephone</i> . Report to the Department of Sustainability, Environment, Water, Population and Communities, Canberra. Department of Environment and Resource Management, Brisbane.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Sminthopsis douglasi</i>	Julia Creek Dunnart	Endangered	2000	Department of Environment and Resource Management. 2009. National Recovery Plan for the Julia Creek Dunnart (<i>Sminthopsis douglasi</i>). Report to the Department of the Environment, Water, Heritage and the Arts, Canberra. Queensland Parks and Wildlife Service, Brisbane.
Mammal	<i>Zyomys palatalis</i>	Carpentarian Rock-rat; Aywalirroomoo	Endangered	2000	Puckey, H., Woinarski, J., and Trainor, C. 2003. Revised Recovery Plan for the Carpentarian Rock-rat <i>Zyomys palatalis</i> . Parks and Wildlife Commission of the Northern Territory, Katherine.
Mammal	<i>Arctocephalus tropicalis</i>	Sub-antarctic fur seal	Vulnerable	2001	Department of the Environment and Heritage. 2004. Sub-Antarctic Fur Seal and Southern Elephant Seal Recovery Plan 2004-2009. Department of the Environment and Heritage, Canberra
Mammal	<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat; Large Pied Bat	Vulnerable	2001	Department of Environment and Resource Management. 2011. National Recovery Plan for the Large-eared Pied Bat <i>Chalinolobus dwyeri</i> . Report to the Department of Sustainability, Environment, Water, Population and Communities, Canberra.
Mammal	<i>Isoodon auratus auratus</i>	Golden Bandicoot	Vulnerable	2000	Palmer, C. Taylor, R. and Burbidge, A. 2003. Recovery Plan for the Golden Bandicoot <i>Isoodon auratus</i> and Golden-backed Tree-rat <i>Mesembriomys macrurus</i> 2004 - 2009. Northern Territory Department of Infrastructure Planning and Environment, Darwin.
Mammal	<i>Macrotis lagotis</i>	Greater Bilby	Vulnerable	2000	Pavey, C. 2006. National Recovery Plan for the Greater Bilby <i>Macrotis lagotis</i> . Northern Territory Department of Natural Resources, Environment and the Arts, Alice Springs.
Mammal	<i>Mesembriomys macrurus</i>	Golden-backed Tree-rat; Koorrawal	Vulnerable	2000	Palmer, C. Taylor, R. and Burbidge, A. 2003. Recovery Plan for the Golden Bandicoot <i>Isoodon auratus</i> and Golden-backed Tree-rat <i>Mesembriomys macrurus</i> 2004 - 2009. Northern Territory Department of Infrastructure Planning and Environment, Darwin.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Mirounga leonina</i>	Southern Elephant Seal	Vulnerable	2001	Department of the Environment and Heritage. 2004. Sub-Antarctic Fur Seal and Southern Elephant Seal Recovery Plan 2004-2009. Department of the Environment and Heritage, Canberra
Mammal	<i>Xeromys myoides</i>	Water Mouse;False Water Rat;Yirkoo	Vulnerable	2000	Department of the Environment and Resource Management 2010. National Recovery Plan for the Water Mouse (False Water Rat) <i>Xeromys myoides</i> . Report to Department of Sustainability, Environment, Water, Population and Communities, Canberra. Department of the Environment and Resource Management, Brisbane.
Bird	<i>Neophema chrysogaster</i>	Orange-bellied Parrot	Critically Endangered	2006	Orange-bellied Parrot Recovery Team. 2006. National Recovery Plan for the Orange-bellied Parrot (<i>Neophema chrysogaster</i>). Department of Primary Industries and Water, Hobart.
Bird	<i>Acanthiza pusilla archibaldi</i>	King Island Brown Thornbill	Endangered	2000	Threatened Species Section. 2012. King Island Biodiversity Management Plan. Department of Primary Industries, Parks, Water and Environment, Hobart.
Bird	<i>Accipiter hiogaster natalis</i>	Christmas Island Goshawk	Endangered	2000	Hill, R. 2004. National Recovery Plan for the Christmas Island Goshawk <i>Accipiter fasciatus natalis</i> . Commonwealth of Australia, Canberra.
Bird	<i>Casuarius casuarius johnsonii</i>	Southern Cassowary	Endangered	2000	Latch, P. 2007. National Recovery Plan for the Southern Cassowary <i>Casuarius casuarius johnsonii</i> . Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Environmental Protection Agency, Brisbane.
Bird	<i>Diomedea exulans exulans</i>	Tristan Albatross	Endangered	2000	Department of Sustainability, Environment, Water, Population and Communities. 2011. National Recovery Plan for Threatened Albatrosses and Giant Petrels 2011-2016. Commonwealth of Australia, Hobart.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Hylacola pyrrhopygia parkeri</i>	Chestnut-rumped Heathwren	Endangered	2005	Willson, A., and Bignall, J. 2009. Regional Recovery Plan for Threatened Species and Ecological Communities of Adelaide and the Mount Lofty Ranges, South Australia. Department for Environment and Heritage, South Australia.
Bird	<i>Manorina melanotis</i>	Black-eared Miner	Endangered	2000	Baker-Gabb, D. 2003. Recovery Plan for the Black-eared Miner <i>Manorina melanotis</i> 2002 - 2006: Conservation of old-growth dependent mallee fauna. Department for Environment and Heritage, Adelaide.
Bird	<i>Ninox novaeseelandiae undulata</i>	Southern Boobook; Norfolk Island Boobook Owl	Endangered	2000	Director of National Parks. 2010. Norfolk Island Region Threatened Species Recovery Plan. Department of the Environment, Water, Heritage and the Arts, Canberra.
Bird	<i>Sterna vittata bethuni</i>	New Zealand Antarctic Tern	Endangered	2000	Department of the Environment and Heritage. Recovery Plan for the following Seabirds: Round Island Petrel, Herald Petrel, Antarctic Tern (New Zealand), Antarctic Tern (Indian Ocean), Blue Petrel, Fairy Prion (southern), Heard Shag, Macquarie Shag, Soft-plumaged Petrel, Australian Lesser Noddy. 2005-2010. Department of the Environment and Heritage, Canberra.
Bird	<i>Thalassarche cauta eremita</i>	Chatham Albatross	Endangered	2000	Department of Sustainability, Environment, Water, Population and Communities. 2011. National Recovery Plan for Threatened Albatrosses and Giant Petrels 2011-2016. Commonwealth of Australia, Hobart.
Bird	<i>Anous tenuirostris melanops</i>	Australian Lesser Noddy	Vulnerable	2000	Department of the Environment and Heritage. Recovery Plan for the following Seabirds: Round Island Petrel, Herald Petrel, Antarctic Tern (New Zealand), Antarctic Tern (Indian Ocean), Blue Petrel, Fairy Prion (southern), Heard Shag, Macquarie Shag, Soft-plumaged Petrel, Australian Lesser Noddy. 2005-2010. Department of the Environment and Heritage, Canberra.
Bird	<i>Macronectes halli</i>	Northern Giant Petrel	Vulnerable	2001	Department of Sustainability, Environment, Water, Population and Communities. 2011. National Recovery Plan for Threatened Albatrosses and Giant Petrels 2011-2016. Commonwealth of Australia, Hobart.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Polytelis anthopeplus monarchoides</i>	Eastern Regent Parrot	Vulnerable	2000	Baker-Gabb, D. and Hurley, V.G. 2011. National Recovery Plan for the Regent Parrot (Eastern Subspecies) <i>Polytelis anthopeplus monarchoides</i> . Department of Sustainability and Environment, Melbourne.
Bird	<i>Thalassarche bulleri</i> nov.	Pacific Albatross	Vulnerable	2000	Department of Sustainability, Environment, Water, Population and Communities. 2011. National Recovery Plan for Threatened Albatrosses and Giant Petrels 2011-2016. Commonwealth of Australia, Hobart.
Bird	<i>Thalassarche chlororhynchos bassi</i>	Indian Yellow Nosed Albatross	Vulnerable	2000	Department of Sustainability, Environment, Water, Population and Communities. 2011. National Recovery Plan for Threatened Albatrosses and Giant Petrels 2011-2016. Commonwealth of Australia, Hobart.
Reptile	<i>Pseudemydura umbrina</i>	Western Swamp Tortoise	Critically Endangered	2004	Burbidge, A.A., and Kuchling, G. 2004. Western Swamp Tortoise (<i>Pseudemydura umbrina</i>) Recovery Plan. Department of Conservation and Land Management, Wanneroo.
Reptile	<i>Caretta caretta</i>	Loggerhead Turtle	Endangered	2000	Environment Australia. 2003. Recovery Plan for Marine Turtles in Australia. Environment Australia, Canberra.
Reptile	<i>Tiliqua adelaidensis</i>	Pygmy Blue-tongued Lizard; Adelaide Blue-tongued Lizard	Endangered	2000	Duffy, A., Pound, L. and How, T. 2012. Recovery Plan for the Pygmy Bluetongue Lizard <i>Tiliqua adelaidensis</i> . Department of Environment and Natural Resources, South Australia.
Reptile	<i>Tympanocryptis pinguicolla</i>	Grassland Earless Dragon	Endangered	2000	Robertson, P. and Evans, M. 2012. National Recovery Plan for the Grassland Earless Dragon <i>Tympanocryptis pinguicolla</i> . ACT Department of Territory and Municipal Services, Canberra.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Reptile	<i>Chelonia mydas</i>	Green Turtle	Vulnerable	2000	Environment Australia. 2003. Recovery Plan for Marine Turtles in Australia. Environment Australia, Canberra.
Reptile	<i>Christinus guentheri</i>	Lord Howe Island Gecko	Vulnerable	2000	Director of National Parks. 2010. Norfolk Island Region Threatened Species Recovery Plan. Department of the Environment, Water, Heritage and the Arts, Canberra.
Reptile	<i>Eretmochelys imbricata</i>	Hawksbill Turtle	Vulnerable	2000	Environment Australia. 2003. Recovery Plan for Marine Turtles in Australia. Environment Australia, Canberra.
Reptile	<i>Lepidodactylus listeri</i>	Christmas Island Gecko; Lister's Gecko	Vulnerable	2000	Cogger, H. 2006. National Recovery Plan for Lister's Gecko <i>Lepidodactylus listeri</i> and the Christmas Island Blind Snake <i>Typhlops exocoeti</i> . Department of the Environment and Heritage, Canberra.
Reptile	<i>Natator depressus</i>	Flatback turtle	Vulnerable	2003	Environment Australia. 2003. Recovery Plan for Marine Turtles in Australia. Environment Australia, Canberra.
Reptile	<i>Oligosoma lichenigera</i>	Lord Howe Island Skink	Vulnerable	2000	Director of National Parks. 2010. Norfolk Island Region Threatened Species Recovery Plan. Department of the Environment, Water, Heritage and the Arts, Canberra.
Reptile	<i>Ramphotyphlops exocoeti</i>	Christmas Island Blind Snake	Vulnerable	2000	Cogger, H. 2006. National Recovery Plan for Lister's Gecko <i>Lepidodactylus listeri</i> and the Christmas Island Blind Snake <i>Typhlops exocoeti</i> . Department of the Environment and Heritage, Canberra.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Amphibian	<i>Mixophyes balbus</i>	Stuttering Frog; Southern Barred Frog	Vulnerable	2000	Hunter, D. and Gillespie, G.R. 2011. National Recovery Plan for the Stuttering Frog <i>Mixophyes balbus</i> . Department of Sustainability and Environment, Melbourne.
Fish	<i>Brachionichthys hirsutus</i>	Spotted Handfish	Critically Endangered	2000	Department of the Environment and Heritage. 2005. Recovery Plan for the Spotted handfish, Red handfish, Ziebell's handfish, and Waterfall Bay handfish. Department of the Environment and Heritage, Canberra.
Fish	<i>Thymichthys politus</i>	Red Handfish	Critically Endangered	2004	Department of the Environment and Heritage. 2005. Recovery Plan for the Spotted handfish, Red handfish, Ziebell's handfish, and Waterfall Bay handfish. Department of the Environment and Heritage, Canberra.
Fish	<i>Chlamydogobius micropterus</i>	Elizabeth Springs Goby	Endangered	2000	Fensham R.J., Ponder, W.F. and Fairfax, R.J. 2010. Recovery Plan for the Community of Native Species Dependent on Natural Discharge of Groundwater from the Great Artesian Basin. Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Queensland Department of Environment and Resource Management, Brisbane.
Fish	<i>Galaxias auratus</i>	Golden Galaxias	Endangered	2005	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.
Fish	<i>Galaxias fontanus</i>	Swan Galaxias	Endangered	2000	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.
Fish	<i>Galaxias johnstoni</i>	Clarence Galaxias	Endangered	2000	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Paragalaxias mesotes</i>	Arthurs Paragalaxias	Endangered	2005	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.
Fish	<i>Scaturiginichthys vermeilipinnis</i>	Redfinned Blue Eye	Endangered	2000	Fensham R.J., Ponder, W.F. and Fairfax, R.J. 2010. Recovery Plan for the Community of Native Species Dependent on Natural Discharge of Groundwater from the Great Artesian Basin. Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Queensland Department of Environment and Resource Management, Brisbane.
Fish	<i>Brachiopsilus ziebelli</i>	Ziebell's Handfish; Waterfall Bay Handfish	Vulnerable	2000	Department of the Environment and Heritage. 2005. Recovery Plan for the Spotted handfish, Red handfish, Ziebell's handfish, and Waterfall Bay handfish. Department of the Environment and Heritage, Canberra.
Fish	<i>Chlamydogobius squamigenus</i>	Edgbaston Goby	Vulnerable	2000	Fensham R.J., Ponder, W.F. and Fairfax, R.J. 2010. Recovery Plan for the Community of Native Species Dependent on Natural Discharge of Groundwater from the Great Artesian Basin. Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Queensland Department of Environment and Resource Management, Brisbane.
Fish	<i>Galaxias parvus</i>	Swamp Galaxias	Vulnerable	2006	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.
Fish	<i>Galaxias tanycephalus</i>	Saddled Galaxias	Vulnerable	2000	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.
Fish	<i>Paragalaxias dissimilis</i>	Shannon Paragalaxias	Vulnerable	2006	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Paragalaxias eleotroides</i>	Great Lake Paragalaxias	Vulnerable	2006	Threatened Species Section. 2006. Recovery Plan: Tasmanian Galaxiidae 2006-2010. Department of Primary Industries and Water, Hobart.
Fish	<i>Rhincodon typus</i>	Whale Shark	Vulnerable	2001	Department of the Environment and Heritage. 2005. Whale Shark (<i>Rhincodon typus</i>) Recovery Plan 2005-2010. Department of the Environment and Heritage, Canberra.
Invertebrate	<i>Adclarkia dawsonensis</i>	Boggomoss Snail	Critically Endangered	2003	Stanisic, J. 2008. Recovery Plan for the Boggomoss Snail <i>Adclarkia dawsonensis</i> . Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Environmental Protection Agency, Brisbane.
Invertebrate	<i>Dryococelus australis</i>	Lord Howe Island Phasmid; Land Lobster	Critically Endangered	2002	Department of Environment and Climate Change. 2007. Lord Howe Island Biodiversity Management Plan. Department of Environment and Climate Change, Sydney.
Invertebrate	<i>Croitana aestiva</i>	Desert Sand-skipper; Aestiva Skipper	Endangered	2006	Palmer C. M. 2010. National Recovery Plan for the Desert Sand-skipper <i>Croitana aestiva</i> . Department of Natural Resources, Environment, The Arts and Sport, Alice Springs.
Invertebrate	<i>Euploea alcatheae enastri</i>	Gove Crow Butterfly	Endangered	2003	Braby, M.F. 2007. National Recovery Plan for the Gove Crow Butterfly <i>Euploea alcatheae enastri</i> . Department of Natural Resources, Environment and the Arts, Palmerston.
Invertebrate	<i>Placostylus bivaricosus</i>	Lord Howe Placostylus; Lord Howe Flax Snail	Endangered	2005	Department of Environment and Climate Change. 2007. Lord Howe Island Biodiversity Management Plan. Department of Environment and Climate Change, Sydney.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Astacopsis gouldi</i>	Tasmanian Giant Freshwater Lobster (Crayfish)	Vulnerable	2000	Threatened Species Section. 2006. Giant Freshwater Lobster <i>Astacopsis gouldi</i> Recovery Plan 2006-2010. Department of Primary Industries and Water, Hobart.
Plant	<i>Acacia ataxiphylla magna</i>	Large-fruited Tammin Wattle	Endangered	2000	Harris, A., and Brown, A. 2003. Large-fruited Tammin Wattle <i>Acacia ataxiphylla magna</i> Interim Recovery Plan 2003-2008. Department of Conservation and Land Management, Western Australian Threatened Species and Communities Unit, Wanneroo.
Plant	<i>Banksia cuneata</i>	Matchstick Banksia; Quairading Banksia	Endangered	2000	Department of Environment and Conservation. 2009. Matchstick Banksia (<i>Banksia cuneata</i>) Recovery Plan. Commonwealth Department of the Environment, Water, Heritage and the Arts, Canberra.
Plant	<i>Conostylis dielsii teres</i>	Irwin Conostylis	Endangered	2000	Chant, A., Stack, G., and English, V. 2005. Irwin's Conostylis <i>Conostylis dielsii</i> subsp. <i>teres</i> Interim Recovery Plan 2005-2009. Department of Conservation and Land Management, Western Australian Threatened Species and Communities Unit, Wanneroo.
Plant	<i>Conostylis micrantha</i>	Small-flowered Conostylis	Endangered	2000	Stack, G., and Chant, A. 2004. Small Flowered Conostylis <i>Conostylis micrantha</i> Interim Recovery Plan 2004-2009. Department of Conservation and Land Management, Western Australian Threatened Species and Communities Unit, Wanneroo.
Plant	<i>Cycas megacarpa</i>	(No Common Name)	Endangered	2000	Queensland Herbarium. 2007. National Multi-species Recovery Plan for the Cycads, <i>Cycas megacarpa</i> , <i>Cycas ophiolitica</i> , <i>Macrozamia cranei</i> , <i>Macrozamia lomandroides</i> , <i>Macrozamia pauli-guilielmi</i> and <i>Macrozamia platyrhachis</i> . Report to Department of the Environment and Water Resources, Canberra. Queensland Parks and Wildlife Service, Brisbane.
Plant	<i>Darwinia collina</i>	Yellow Mountain Bell	Endangered	2000	Hartley, R., and Barrett, S. 2008. Yellow Mountain Bell (<i>Darwinia collina</i>) Recovery Plan. Department of Environment and Conservation, Albany.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Epacris glabella</i>	Funnel Heath; Smooth Heath	Endangered	2000	Threatened Species Section. 2011. Flora Recovery Plan: Threatened Tasmanian Forest Epacrids. Department of Primary Industries, Parks, Water and Environment, Hobart.
Plant	<i>Eremophila resinosa</i>	Resinous Eremophila	Endangered	2000	Department of Environment and Conservation. 2009. Resinous Eremophila (<i>Eremophila resinosa</i>) Recovery Plan, Department of Environment and Conservation, Kensington.
Plant	<i>Eucalyptus balanites</i>	Cadda Road Mallee; Cadda Mallee	Endangered	2000	Department of Environment and Conservation. 2004. <i>Eucalyptus balanites</i> Interim Recovery Plan 2004-2009. Interim Recovery Plan no. 182. Department of Environment and Conservation, Kensington.
Plant	<i>Eucalyptus dolorosa</i>	Dandaragan Mallee	Endangered	2000	Stack, G., Broun, G., and English, V. 2004. Dandaragan mallee (<i>Eucalyptus dolorosa</i>) Interim Recovery Plan 2004-2009. Department of Conservation and Land Management, Western Australian Threatened Species and Communities Unit, Wanneroo.
Plant	<i>Eucalyptus leprophloia</i>	Scaly Butt Mallee	Endangered	2000	Stack, G., and Broun, G. 2004. Scaly-butt Mallee (<i>Eucalyptus leprophloia</i>) Interim Recovery Plan 2004-2009. Interim Recovery Plan No. 189. Department of Conservation and Land Management, Western Australian Threatened Species and Communities Unit, Wanneroo.
Plant	<i>Grevillea rara</i>	Rare Grevillea	Endangered	2000	Department of Environment and Conservation. 2009. Rare Grevillea (<i>Grevillea rara</i>) Recovery Plan. Department of Environment and Conservation, Kensington.
Plant	<i>Myoporum turbinatum</i>	Salt Myoporum	Endangered	2000	Taylor, H., Butler, R., and Brown, A., 2004. Salt Myoporum (<i>Myoporum turbinatum</i>) Interim Recovery Plan 2004-2009. Interim Recovery Plan No. 186. Department of Conservation and Land Management, Western Australian Threatened Species Conservation Unit, Wanneroo.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Banksia squarrosa argillacea</i>	Whicher Range Dryandra	Vulnerable	2000	Luu, R., and English, V. 2004. Whicher Range Dryandra <i>Dryandra squarrosa</i> subsp. <i>argillacea</i> Interim Recovery Plan 2004-2009. Department of Conservation and Land Management, Western Australian Threatened Species and Communities Unit, Wanneroo.
Plant	<i>Melaleuca deanei</i>	Deane's Melaleuca; Deane's Paperbark	Vulnerable	2001	Department of Environment, Climate Change and Water. 2010. Recovery Plan for <i>Melaleuca deanei</i> . Department of Environment, Climate Change and Water, Sydney.
<u>Canada</u>					<u>Recovery Strategies and Action Plans</u>
Mammal	<i>Mustela nigripes</i>	Black-footed Ferret	Extirpated	2003	Tuckwell, J., and T. Everest. 2009. Recovery Strategy for the Black-footed Ferret (<i>Mustela nigripes</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Mammal	<i>Eubalaena glacialis</i>	North Atlantic Right Whale	Endangered	2003	Brown, M.W., Fenton, D., Smedbol, K., Merriman, C., Robichaud-Leblanc, K., and Conway, J.D. 2009. Recovery Strategy for the North Atlantic Right Whale (<i>Eubalaena glacialis</i>) in Atlantic Canadian Waters. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Dartmouth.
Mammal	<i>Hyperoodon ampullatus</i>	Northern Bottlenose Whale, Scotian Shelf	Endangered	2006	Fisheries and Oceans Canada. 2010. Recovery Strategy for the Northern Bottlenose Whale, Scotian Shelf population, in Atlantic Canadian Waters. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Dartmouth.
Mammal	<i>Orcinus orca</i>	Killer Whale, Southern Resident	Endangered	2003	Fisheries and Oceans Canada. 2011. Recovery Strategy for the Northern and Southern Resident Killer Whales (<i>Orcinus orca</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries & Oceans Canada, Ottawa.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Rangifer tarandus caribou</i>	Woodland Caribou, Gaspésie	Endangered	2003	Gaspésie Woodland Caribou Recovery Team. 2006. Gaspésie Woodland Caribou Recovery Plan (2002-2012) (<i>Rangifer tarandus caribou</i>). Ministère des Ressources naturelles et de la Faune, Secteur Faune, Québec.
Mammal	<i>Delphinapterus leucas</i>	Beluga Whale, St Lawrence Estuary	Threatened	2003	Fisheries and Oceans Canada. 2012. Recovery Strategy for the Beluga Whale (<i>Delphinapterus leucas</i>) St. Lawrence Estuary Population in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Mammal	<i>Orcinus orca</i>	Killer Whale, Northern Resident	Threatened	2003	Fisheries and Oceans Canada. 2011. Recovery Strategy for the Northern and Southern Resident Killer Whales (<i>Orcinus orca</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries & Oceans Canada, Ottawa.
Mammal	<i>Rangifer tarandus caribou</i>	Woodland Caribou, Boreal Population	Threatened	2002	Environment Canada. 2012. Recovery Strategy for the Woodland Caribou (<i>Rangifer tarandus caribou</i>), Boreal population, in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Athene cunicularia</i>	Burrowing Owl	Endangered	2003	Environment Canada. 2012. Recovery Strategy for the Burrowing Owl (<i>Athene cunicularia</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Centrocercus urophasianus urophasianus</i>	Greater Sage Grouse	Endangered	2003	Lungle, K. and S. Pruss. 2008. Recovery Strategy for the Greater Sage-Grouse (<i>Centrocercus urophasianus urophasianus</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Bird	<i>Charadrius melodus circumcinctus</i>	Piping plover <i>circumcinctus</i> ssp.	Endangered	2003	Environment Canada. 2006. Recovery Strategy for the Piping Plover (<i>Charadrius melodus circumcinctus</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa. *Environment Canada. 2013. Action Plan for the Piping Plover (<i>Charadrius melodus circumcinctus</i>) in Ontario. Species at Risk Act Action Plan Series. Environment Canada, Ottawa.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Charadrius melodus melodus</i>	Piping plover <i>melodus</i> ssp.	Endangered	2003	Environment Canada. 2012. Recovery Strategy for the Piping Plover (<i>Charadrius melodus melodus</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Empidonax vireescens</i>	Acadian Flycatcher	Endangered	2003	Environment Canada. 2012. Recovery strategy for the Acadian Flycatcher (<i>Empidonax vireescens</i>) and the Hooded Warbler (<i>Wilsonia citrina</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Grus americana</i>	Whooping Crane	Endangered	2003	Environment Canada. 2007. Recovery Strategy for the Whooping Crane (<i>Grus americana</i>) in Canada . Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Protonotaria citrea</i>	Prothonotary Warbler	Endangered	2003	Environment Canada. 2011. Recovery Strategy for the Prothonotary Warbler (<i>Protonotaria citrea</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Sterna dougallii</i>	Roseate Tern	Endangered	2003	Environment Canada. 2010. Amended Recovery Strategy for the Roseate Tern (<i>Sterna dougallii</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Bird	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Endangered	2003	Chutter, M.J., Blackburn, I., Bonin, D., Buchanan, J., Costanzo, B., Cunnington, D., Harestad, A., Hayes, T., Heppner, D., Kiss, L., Surgenor, J., Wall, W., Waterhouse, L., and Williams, L. 2004. Recovery Strategy for the Northern Spotted Owl (<i>Strix occidentalis caurina</i>) in British Columbia. Prepared for the BC Ministry of Environment, Victoria.
Bird	<i>Wilsonia citrina</i>	Hooded Warbler	Threatened	2003	Environment Canada. 2012. Recovery strategy for the Acadian Flycatcher (<i>Empidonax vireescens</i>) and the Hooded Warbler (<i>Wilsonia citrina</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Reptile	<i>Emydoidea blandingii</i>	Blanding's Turtle, Nova Scotia Population	Endangered	2006	Parks Canada. 2012. Recovery Strategy for the Blanding's turtle (<i>Emydoidea blandingii</i>), Nova Scotia population, in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada, Ottawa.
Reptile	<i>Coluber constrictor flaviventris</i>	Eastern Yellow-bellied Racer	Threatened	2003	Parks Canada Agency. 2010. Recovery Strategy for Eastern Yellow-bellied Racer (<i>Coluber constrictor flaviventris</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Reptile	<i>Thamnophis sauritus</i>	Eastern Ribbonsnake, Atlantic Population	Threatened	2005	Parks Canada Agency. 2012. Recovery Strategy for the Eastern Ribbonsnake (<i>Thamnophis sauritus</i>), Atlantic Population in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Fish	<i>Gasterosteus</i> sp.	Threespine Stickleback, Paxton Lake species pair	Endangered	2003	National Recovery Team for Stickleback Species Pairs. 2007. Recovery Strategy for Paxton Lake, Enos Lake, and Vananda Creek Stickleback Species Pairs (<i>Gasterosteus</i> spp.) in Canada. Species at Risk Act Recovery Strategy Series, Fisheries and Oceans Canada, Ottawa.
Fish	<i>Moxostoma hubbsi</i>	Copper Redhorse	Endangered	2007	Fisheries and Oceans Canada. 2012. Recovery Strategy for the Copper Redhorse (<i>Moxostoma hubbsi</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Fish	<i>Noturus stigmosus</i>	Northern Madtom	Endangered	2005	Edwards, A.L., A.Y. Laurin, and S.K. Staton. 2012. Recovery Strategy for the Northern Madtom (<i>Noturus stigmosus</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Fish	<i>Rhinichthys cataractae</i>	Nooksack Dace	Endangered	2003	Pearson, M.P., T. Hatfield, J.D. McPhail, J.S. Richardson, J.S. Rosenfeld, H. Schreier, D. Schluter, D.J. Sneepe, M. Stejpovic, E.B. Taylor, and P.M. Wood. 2008. Recovery Strategy for the Nooksack Dace (<i>Rhinichthys cataractae</i>) in Canada. Species at Risk Act Recovery Strategy Series, Fisheries and Oceans Canada, Vancouver.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Salmo salar</i>	Atlantic Salmon, Inner Bay of Fundy	Endangered	2003	Department of Fisheries and Oceans Canada. 2010. Recovery Strategy for the Atlantic salmon (<i>Salmo salar</i>), Inner Bay of Fundy Populations. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Fish	<i>Salvelinus fontinalis timagamiensis</i>	Aurora Trout	Endangered	2003	Aurora Trout Recovery Team. 2006. Recovery Strategy for the Aurora trout (<i>Salvelinus fontinalis timagamiensis</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Fish	<i>Morone saxatilis</i>	Striped Bass, St Lawrence Estuary Population	Extirpated	2011	Robitaille, J., M. Bérubé, A. Gosselin, M. Baril, J. Beauchamp, J. Boucher, S. Dionne, M. Legault, Y. Mailhot, B. Ouellet, P. Sirois, S. Tremblay G. Trencia, G. Verreault and D. Villeneuve. 2011. Recovery Strategy for the Striped Bass (<i>Morone saxatilis</i>), St. Lawrence Estuary Population, Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Fish	<i>Erimyzon sucetta</i>	Lake Chubsucker	Threatened	2003	Staton, S.K., K.L. Vlasman, and A.L. Edwards. 2010. Recovery Strategy for the Lake Chubsucker (<i>Erimyzon sucetta</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Fish	<i>Lepisosteus oculatus</i>	Spotted Gar	Threatened	2005	Staton, S.K., A.L. Boyko, S.E. Dunn, and M. Burrige. 2012. Recovery strategy for the Spotted Gar (<i>Lepisosteus oculatus</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Ottawa.
Invertebrate	<i>Haliotis kamtschatkana</i>	Northern Abalone	Endangered	2011	Fisheries and Oceans Canada. 2007. Recovery Strategy for the Northern Abalone (<i>Haliotis kamtschatkana</i>) in Canada. Species at Risk Act Recovery Strategy Series. Fisheries and Oceans Canada, Vancouver. Fisheries and Oceans Canada. 2012. Action Plan for the Northern Abalone (<i>Haliotis kamtschatkana</i>) in Canada Species at Risk Act Action Plan Series. Fisheries and Oceans Canada, Ottawa.
Invertebrate	<i>Physella johnsonii</i>	Banff Springs Snail	Endangered	2003	Lepitzki, D.A.W. and C. Pacas. 2010. Recovery Strategy and Action Plan for the Banff Springs Snail (<i>Physella johnsonii</i>), in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Schinia bimatrix</i>	White Flower Moth	Endangered	2006	Environment Canada. 2011. Recovery Strategy for the White Flower Moth (<i>Schinia bimatrix</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Invertebrate	<i>Tegeticula yuccasella</i>	Yucca Moth	Endangered	2005	Environment Canada. 2011. Recovery Strategy for the Soapweed (<i>Yucca glauca</i>) and Yucca Moth (<i>Tegeticula yuccasella</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Invertebrate	<i>Oarisma poweshiek</i>	Poweshiek Skipperling	Threatened	2005	Environment Canada. 2012. Recovery Strategy for the Poweshiek Skipperling (<i>Oarisma poweshiek</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Plant	<i>Abronia umbellata brevipflora</i>	Pink Sand-verbena	Endangered	2005	Fairbarns, M.D., C. Webb, L.K. Blight, N. Page, B. Costanzo, T. Kaye, T. Lea and J. McIntosh. 2007. Recovery Strategy for the Pink Sand-verbena (<i>Abronia umbellata</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Plant	<i>Bryoandersonia illecebra</i>	Spoonleaved Moss	Endangered	2005	Doubt, J. 2005. Recovery Strategy for the Spoon-leaved Moss (<i>Bryoandersonia illecebra</i>) in Canada. Environment Canada, Ottawa.
Plant	<i>Camissonia contorta</i>	Contorted-pod Evening primrose	Endangered	2007	Parks Canada Agency. 2011. Recovery Strategy for the Contorted-pod Evening-primrose (<i>Camissonia contorta</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Plant	<i>Eleocharis equisetoides</i>	Horsetail Spike-rush	Endangered	2003	Environment Canada. 2006. Recovery Strategy for the Horsetail Spike-rush (<i>Eleocharis equisetoides</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa. Environment Canada. 2011. Action Plan for the Horsetail Spike-rush (<i>Eleocharis equisetoides</i>) in Canada. Species at Risk Act Action Plan Series. Environment Canada, Ottawa.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Isoetes engelmannii</i> A. Braun	Engelmann's Quillwort	Endangered	2003	Engelmann's Quillwort Recovery Team. Recovery Strategy for the Engelmann's Quillwort (<i>Isoetes engelmannii</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency and Ontario Ministry of Natural Resources.
Plant	<i>Isotria medeoloides</i>	Small Whorled Pogonia	Endangered	2003	McConnell, A. 2007. Recovery Strategy for the Small Whorled Pogonia (<i>Isotria medeoloides</i>) in Canada. Environment Canada, Ottawa. Environment Canada. 2011. Action Plan for the Small Whorled Pogonia (<i>Isotria medeoloides</i>) in Canada. Species at Risk Act Action Plan Series. Environment Canada, Ottawa.
Plant	<i>Lupinus densiflorus</i>	Dense-flowered Lupine	Endangered	2006	Parks Canada Agency. 2011. Recovery Strategy for Dense-flowered Lupine (<i>Lupinus densiflorus</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Plant	<i>Microbryum vlassovii</i>	Nugget Moss	Endangered	2009	Environment Canada. 2012. Recovery Strategy for the Nugget Moss (<i>Microbryum vlassovii</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Plant	<i>Opuntia humifusa</i>	Eastern Prickly Pear Cactus	Endangered	2003	Dougan & Associates, V. L. McKay, B. C. Hutchinson and P. Nantel. 2010. Recovery Strategy for the Eastern Prickly Pear Cactus (<i>Opuntia humifusa</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Plant	<i>Stylophorum diphyllum</i>	Wood-poppy	Endangered	2003	Bowles, Jane M. 2007. Recovery Strategy for Wood-poppy (<i>Stylophorum diphyllum</i>) in Canada. Environment Canada, Ottawa.
Plant	<i>Trichophorum planifolium</i>	Few-flowered Club-rush; Bashful Rush	Endangered	2003	Smith, T.W. and C.J. Rothfels. 2007. Recovery Strategy for Few-flowered Clubrush/Bashful Bulrush (<i>Trichophorum planifolium</i> (Sprengel) Palla) in Canada. Prepared for the Ontario Ministry of Natural Resources by the Royal Botanical Gardens, Hamilton.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Iris lacustris</i>	Dwarf Lake Iris	Threatened	2006	Parks Canada Agency. 2011. Recovery Strategy for the Dwarf Lake Iris (<i>Iris lacustris</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Plant	<i>Justicia americana</i>	American Water-willow	Threatened	2003	Parks Canada Agency. 2011. Recovery Strategy for the American Water-willow (<i>Justicia americana</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
Plant	<i>Salix chlorolepis</i>	Green-scaled Willow	Threatened	2007	Environment Canada. 2011. Recovery Strategy for the Green-scaled willow (<i>Salix chlorolepis</i>) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa.
Plant	<i>Vaccinium stamineum</i>	Deerberry	Threatened	2003	Parks Canada Agency. 2010. Recovery Strategy for Deerberry (<i>Vaccinium stamineum</i>) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa.
<u>United States</u>					<u>Proposed and Final Rules</u>
Mammal	<i>Dipodomys merriami parvus</i>	San Bernardino Kangaroo Rat	Endangered	1998	Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the San Bernardino Kangaroo Rat (<i>Dipodomys merriami parvus</i>); proposed rule. Federal Register 72: 33808-33842. Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the San Bernardino Kangaroo Rat (<i>Dipodomys merriami parvus</i>); final rule. Federal Register 73: 61936-62002.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Orcinus orca</i>	Killer Whale, Southern Resident	Endangered	2006	<p>National Marine Fisheries Service. 2006. Endangered and Threatened Species; Designation of Critical Habitat for the Southern Resident Killer Whale; proposed rule. Federal Register 71: 34571-34588.</p> <p>National Marine Fisheries Service. 2006. Endangered and Threatened Species; Designation of Critical Habitat for Southern Resident Killer Whale; final rule. Federal Register 71: 69054-69070.</p>
Mammal	<i>Ovis canadensis californiana</i>	Sierra Nevada Bighorn Sheep	Endangered	2000	<p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Sierra Nevada Bighorn Sheep (<i>Ovis canadensis californiana</i>) and Proposed Taxonomic Revision; proposed rule. Federal Register 72: 40956-41008.</p> <p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Sierra Nevada Bighorn Sheep (<i>Ovis canadensis sierrae</i>) and Taxonomic Revision; final rule. Federal Register 73: 45534-45604.</p>
Mammal	<i>Ovis canadensis nelsoni</i>	Peninsular Bighorn Sheep, Peninsular Ranges Population	Endangered	1998	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Peninsular Ranges Population of Desert Bighorn Sheep (<i>Ovis canadensis nelsoni</i>); proposed rule. Federal Register 73: 50498-50529.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Peninsular Bighorn Sheep and Determination of a Distinct Population Segment of Desert Bighorn Sheep (<i>Ovis canadensis nelsoni</i>); final rule. Federal Register 74: 17288-17365.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Panthera onca</i>	Jaguar	Endangered	1997	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Jaguar; proposed rule. Federal Register 77: 50214-50242.</p> <p>Final rule not yet available</p>
Mammal	<i>Peromyscus polionotus allophrys</i>	Choctawhatchee Beach Mouse	Endangered	1985	<p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Critical Habitat for the Perdido Key Beach Mouse, Choctawhatchee Beach Mouse, and St. Andrew Beach Mouse; proposed rule. Federal Register 70: 74426-74474.</p> <p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Perdido Key Beach Mouse, Choctawhatchee Beach Mouse, and St. Andrew Beach Mouse; final rule. Federal Register 71: 60238-60370.</p>
Mammal	<i>Peromyscus polionotus ammobates</i>	Alabama Beach Mouse	Endangered	1985	<p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Critical Habitat for the Alabama Beach Mouse; proposed rule. Federal Register 71: 5516-5546.</p> <p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Alabama Beach Mouse; final rule. Federal Register 72: 4330-4369</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Peromyscus polionotus peninsularis</i>	St. Andrew Beach Mouse	Endangered	1998	<p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Critical Habitat for the Perdido Key Beach Mouse, Choctawhatchee Beach Mouse, and St. Andrew Beach Mouse; proposed rule. Federal Register 70: 74426-74474.</p> <p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Perdido Key Beach Mouse, Choctawhatchee Beach Mouse, and St. Andrew Beach Mouse; final rule. Federal Register 71: 60238-60370.</p>
Mammal	<i>Peromyscus polionotus trissyllepsis</i>	Perdido Key Beach Mouse	Endangered	1985	<p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Critical Habitat for the Perdido Key Beach Mouse, Choctawhatchee Beach Mouse, and St. Andrew Beach Mouse; proposed rule. Federal Register 70: 74426-74474.</p> <p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Perdido Key Beach Mouse, Choctawhatchee Beach Mouse, and St. Andrew Beach Mouse; final rule. Federal Register 71: 60238-60370.</p>
Mammal	<i>Pteropus mariannus mariannus</i>	Mariana Fruit Bat	Endangered	1998	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Determinations of Prudency for Two Mammal and Four Bird Species in Guam and the Commonwealth of the Northern Mariana Islands and Proposed Designations of Critical Habitat for One Mammal and Two Bird Species; proposed rule. Federal Register 67: 63738-63772.</p> <p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Mariana Fruit Bat and Guam Micronesian Kingfisher on Guam and the Mariana Crow on Guam and in the Commonwealth of the Northern Mariana Islands; final rule. Federal Register 69: 62944-62990.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Rangifer tarandus caribou</i>	Woodland Caribou, Southern Selkirk Mountains	Endangered	1984	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Southern Selkirk Mountains Population of Woodland Caribou (<i>Rangifer tarandus caribou</i>); proposed rule. Federal Register 76: 74018-74038.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Southern Selkirk Mountains Population of Woodland Caribou; final rule. Federal Register 77: 71042-71082.</p>
Mammal	<i>Enhydra lutris kenyoni</i>	Northern Sea Otter	Threatened	2005	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Southwest Alaska Distinct Population Segment of the Northern Sea Otter (<i>Enhydra lutris kenyoni</i>); proposed rule. Federal Register 73: 76454-76469.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Southwest Alaska Distinct Population Segment of the Northern Sea Otter (<i>Enhydra lutris kenyoni</i>); final rule. Federal Register 74: 51988-52012.</p>
Mammal	<i>Lynx canadensis</i>	Canada Lynx	Threatened	2000	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx (<i>Lynx canadensis</i>); proposed rule. Federal Register 73: 10860-10896.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx (<i>Lynx canadensis</i>); final rule. Federal Register 74: 8616-8702.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Mammal	<i>Ursus maritimus</i>	Polar Bear	Threatened	2008	<p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Polar Bear (<i>Ursus maritimus</i>) in the United States; proposed rule. Federal Register 74: 56058-56086.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Polar Bear (<i>Ursus maritimus</i>) in the United States; final rule. Federal Register 75: 76086-76137.</p>
Mammal	<i>Zapus hudsonius preblei</i>	Preble's Meadow Jumping Mouse	Threatened	1998	<p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Preble's Meadow Jumping Mouse (<i>Zapus hudsonius preblei</i>) in Colorado; proposed rule. Federal Register 74: 52066-52107.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Preble's Meadow Jumping Mouse in Colorado; final rule. Federal Register 75: 78430-78483.</p>
Bird	<i>Halcyon cinnamomina cinnamomina</i>	Guam Micronesian Kingfisher	Extirpated	1984	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Determinations of Prudency for Two Mammal and Four Bird Species in Guam and the Commonwealth of the Northern Mariana Islands and Proposed Designations of Critical Habitat for One Mammal and Two Bird Species; proposed rule. Federal Register 67: 63738-63772.</p> <p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Mariana Fruit Bat and Guam Micronesian Kingfisher on Guam and the Mariana Crow on Guam and in the Commonwealth of the Northern Mariana Islands; final rule. Federal Register 69: 62944-62990.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Ammodramus maritimus mirabilis</i>	Cape Sable Seaside Sparrow	Endangered	1973	<p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Critical Habitat Designation for the Cape Sable Seaside Sparrow; proposed rule. Federal Register 71: 63980-64002.</p> <p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Critical Habitat Revised Designation for the Cape Sable Seaside Sparrow; final rule. Federal Register 72: 62736-62766.</p>
Bird	<i>Corvus kubaryi</i>	Mariana Crow	Endangered	1984	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Determinations of Prudency for Two Mammal and Four Bird Species in Guam and the Commonwealth of the Northern Mariana Islands and Proposed Designations of Critical Habitat for One Mammal and Two Bird Species; proposed rule. Federal Register 67: 63738-63772.</p> <p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Mariana Fruit Bat and Guam Micronesian Kingfisher on Guam and the Mariana Crow on Guam and in the Commonwealth of the Northern Mariana Islands; final rule. Federal Register 69: 62944-62990.</p>
Bird	<i>Empidonax trailii extimus</i>	Southwestern Willow Flycatcher	Endangered	1995	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Revised Critical Habitat for Southwestern Willow Flycatcher; proposed rule. Federal Register 76: 50542-50629.</p> <p>Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Revised Critical Habitat for Southwestern Willow Flycatcher; final rule. Federal Register 78: 344-534.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Loxops caeruleirostris</i>	Kauai Akepa; Akekee	Endangered	2010	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Listing 48 Species on Kauai as Endangered and Designating Critical Habitat; proposed rule. Federal Register 73: 62592-62742.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for 48 Species on Kauai as Endangered and Designation of Critical Habitat; final rule. Federal Register 75: 18960-19165.</p>
Bird	<i>Oreomystis bairdi</i>	Kauai Creeper; Akikiki	Endangered	2010	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Listing 48 Species on Kauai as Endangered and Designating Critical Habitat; proposed rule. Federal Register 73: 62592-62742.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for 48 Species on Kauai as Endangered and Designation of Critical Habitat; final rule. Federal Register 75: 18960-19165.</p>
Bird	<i>Zosterops rotensis</i>	Rota Bridled White-eye	Endangered	2004	<p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Rota Bridled White-Eye (<i>Zosterops rotensis</i>); proposed rule. Federal Register 70: 54335-54349.</p> <p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Rota Bridled White-Eye (<i>Zosterops rotensis</i>); final rule. Federal Register 71: 53589-53605.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Brachyramphus marmoratus marmoratus</i>	Marbled Murrelet	Threatened	1992	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Marbled Murrelet; proposed rule. Federal Register 73: 44678-44701.</p> <p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Marbled Murrelet; final rule. Federal Register 76: 61599-61621.</p>
Bird	<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	Threatened	1993	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Pacific Coast Population of the Western Snowy Plover; proposed rule. Federal Register 76: 16046-16165.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Pacific Coast Population of the Western Snowy Plover; final rule. Federal Register 77: 36728-36869.</p>
Bird	<i>Charadrius melodus</i>	Piping Plover	Threatened	1985	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Wintering Population of the Piping Plover (<i>Charadrius melodus</i>) in Texas; proposed rule. Federal Register 73: 29294-29321.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Wintering Population of the Piping Plover (<i>Charadrius melodus</i>) in Texas; final rule. Federal Register 74: 23476-23600.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Eremophila alpestris strigata</i>	Streaked Horned Lark	Threatened	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Listing Taylor's Checkerspot Butterfly and Streaked Horned Lark and Designation of Critical Habitat; proposed rule. Federal Register 77: 61938-62058.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Taylor's Checkerspot Butterfly and Streaked Horned Lark; final rule. Federal Register 78:61506-61589.</p>
Bird	<i>Polioptila californica californica</i>	Coastal California Gnatcatcher	Threatened	1993	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Coastal California Gnatcatcher (<i>Polioptila californica californica</i>) and Determination of Distinct Vertebrate Population Segment for the California Gnatcatcher (<i>Polioptila californica</i>); proposed rule. Federal Register 68: 20228-20312.</p> <p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Coastal California Gnatcatcher (<i>Polioptila californica californica</i>); final rule. Federal Register 72: 72010-72213.</p>
Bird	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Threatened	1990	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Northern Spotted Owl; proposed rule. Federal Register 77: 14062-14165.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Revised Critical Habitat for the Northern Spotted Owl; final rule. Federal Register 77: 71876-72068.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Threatened	1993	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Mexican Spotted Owl; proposed rule. Federal Register 68: 65020-65023.</p> <p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Final Designation of Critical Habitat for the Mexican Spotted Owl; final rule. Federal Register 69: 53182-53230.</p>
Reptile	<i>Masticophis lateralis euryxanthus</i>	Alameda Whipsnake	Threatened	1997	<p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Alameda Whipsnake; proposed rule. Federal Register 70: 60608-60656.</p> <p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Alameda Whipsnake; final rule. Federal Register 71: 58176-58231.</p>
Amphibian	<i>Ambystoma bishopi</i>	Reticulated Flatwoods Salamander	Endangered	2009	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Proposed Endangered Status for Reticulated Flatwoods Salamander; Proposed Designation of Critical Habitat for Frosted Flatwoods Salamander and Reticulated Flatwoods Salamander; proposed rule. Federal Register 73: 47258-47324.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for Reticulated Flatwoods Salamander; Designation of Critical Habitat for Frosted Flatwoods Salamander and Reticulated Flatwoods Salamander; final rule. Federal Register 74: 6700-6774.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Amphibian	<i>Anaxyrus californicus</i>	Arroyo Toad	Endangered	1994	<p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Arroyo Toad (<i>Anaxyrus californicus</i>); proposed rule. Federal Register 74: 52612-52664.</p> <p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Arroyo Toad; final rule. Federal Register 76:7246-7467.</p>
Amphibian	<i>Eleutherodactylus juanariveroi</i>	Coquí Llanero	Endangered	2012	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; 12-Month Petition Finding, Proposed Listing of Coquí Llanero as Endangered, and Designation of Critical Habitat for Coquí Llanero; proposed rule. Federal Register 76: 63420-63442.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Determination of Endangered Species Status for Coquí Llanero Throughout its Range and Designation of Critical Habitat; final rule. Federal Register 77: 60778-60802.</p>
Amphibian	<i>Eurycea chisholmensis</i>	Salado Salamander	Endangered		<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for Four Central Texas Salamanders and Designation of Critical Habitat; proposed rule. Federal Register 77: 50768-50854.</p> <p>Final rule not yet available</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Amphibian	<i>Eurycea naufragia</i>	Georgetown Salamander	Endangered		Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for Four Central Texas Salamanders and Designation of Critical Habitat; proposed rule. Federal Register 77: 50768-50854. Final rule not yet available
Amphibian	<i>Eurycea tonkawae</i>	Jollyville Plateau Salamander	Endangered	2013	Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for Four Central Texas Salamanders and Designation of Critical Habitat; proposed rule. Federal Register 77: 50768-50854. *Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Austin Blind and Jollyville Plateau Salamanders; final rule. Federal Register 78: 51328-51379.
Amphibian	<i>Eurycea waterloensis</i>	Austin Blind Salamander	Endangered	2013	Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for Four Central Texas Salamanders and Designation of Critical Habitat; proposed rule. Federal Register 77: 50768-50854. *Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Austin Blind and Jollyville Plateau Salamanders; final rule. Federal Register 78: 51328-51379.

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Amphibian	<i>Plethodon neomexicanus</i>	Jemez Mountains Salamander	Endangered	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Proposed Endangered Status for the Jemez Mountains Salamander and Proposed Designation of Critical Habitat; proposed rule. Federal Register 77: 56482-56513.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Jemez Mountains Salamander; final rule. Federal Register 78: 69569-69591.</p>
Amphibian	<i>Rana muscosa</i>	Mountain Yellow-legged Frog	Endangered	2002	<p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Southern California Distinct Vertebrate Population Segment of the Mountain Yellow-Legged Frog (<i>Rana muscosa</i>); proposed rule. Federal Register 70: 54106-54143.</p> <p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Southern California Distinct Vertebrate Population Segment of the Mountain Yellow-Legged Frog (<i>Rana muscosa</i>); final rule. Federal Register 71: 54344-54386.</p>
Amphibian	<i>Rana sevosia</i>	Dusky Gopher Frog	Endangered	2001	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Mississippi Gopher Frog; revised proposed rule. Federal Register 76: 59774-59802.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Dusky Gopher Frog (Previously Mississippi Gopher Frog); final rule. Federal Register 77: 35118-35161.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Amphibian	<i>Ambystoma californiense</i>	California Tiger Salamander	Threatened	2004	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Sonoma County Distinct Population Segment of the California Tiger Salamander (<i>Ambystoma californiense</i>); revised proposed rule. Federal Register 76: 2863-2871.</p> <p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Sonoma County Distinct Population Segment of the California Tiger Salamander; final rule. Federal Register 76: 54346-54372.</p>
Amphibian	<i>Ambystoma cingulatum</i>	Frosted Flatwoods Salamander	Threatened	1999	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Proposed Endangered Status for Reticulated Flatwoods Salamander; Proposed Designation of Critical Habitat for Frosted Flatwoods Salamander and Reticulated Flatwoods Salamander; proposed rule. Federal Register 73: 47258-47324.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for Reticulated Flatwoods Salamander; Designation of Critical Habitat for Frosted Flatwoods Salamander and Reticulated Flatwoods Salamander; final rule. Federal Register 74: 6700-6774.</p>
Amphibian	<i>Eleutherodactylus cooki</i>	Guajón	Threatened	1997	<p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Guajón (<i>Eleutherodactylus cooki</i>); proposed rule. Federal Register 71: 58954-58991.</p> <p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Guajón (<i>Eleutherodactylus cooki</i>); final rule. Federal Register 72: 60068-60114.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Amphibian	<i>Lithobates chiricahuensis</i>	Chiricahua Leopard Frog	Threatened	2002	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Listing and Designation of Critical Habitat for the Chiricahua Leopard Frog; proposed rule. Federal Register 76: 14126-14207.</p> <p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Listing and Designation of Critical Habitat for the Chiricahua Leopard Frog; proposed rule. Federal Register 76: 14126-14207.</p>
Amphibian	<i>Rana aurora draytonii</i>	California Red-legged Frog	Threatened	1996	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the California Red-Legged Frog (<i>Rana aurora draytonii</i>); proposed rule. Federal Register 73: 53492-53680.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the California Red-Legged Frog; final rule. Federal Register 75: 12816-12959.</p>
Fish	<i>Chasmistes brevirostris</i>	Shortnose Sucker	Endangered	1988	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Lost River Sucker and Shortnose Sucker; proposed rule. Federal Register 76: 76337-76358.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Lost River Sucker and Shortnose Sucker; final rule. Federal Register 77: 73740-73768.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Chrosomus saylari</i>	Laurel Dace	Endangered	2011	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Cumberland Darter, Rush Darter, Yellowcheek Darter, Chucky Madtom, and Laurel Dace; proposed rule. Federal Register 76: 63360-63418.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Cumberland Darter, Rush Darter, Yellowcheek Darter, Chucky Madtom, and Laurel Dace; final rule. Federal Register 77: 63604-63668.</p>
Fish	<i>Cottus specus</i>	Grotto Sculpin	Endangered	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for Grotto Sculpin and Designation of Critical Habitat; proposed rule. Federal Register 77: 59488-59515.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Grotto Sculpin (<i>Cottus specus</i>); final rule. Federal Register 78: 58923-58938.</p>
Fish	<i>Crystallaria cincotta</i>	Diamond Darter	Endangered	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for the Diamond Darter and Designation of Critical Habitat; proposed rule. Federal Register 77: 43906-43939.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Diamond Darter (<i>Crystallaria cincotta</i>); final rule. Federal Register 78: 52364-52387.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Etheostoma phytophilum</i>	Rush Darter	Endangered	2011	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Cumberland Darter, Rush Darter, Yellowcheek Darter, Chucky Madtom, and Laurel Dace; proposed rule. Federal Register 76: 63360-63418.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Cumberland Darter, Rush Darter, Yellowcheek Darter, Chucky Madtom, and Laurel Dace; final rule. Federal Register 77: 63604-63668.</p>
Fish	<i>Hybognathus amarus</i>	Rio Grande Silvery Minnow	Endangered	1994	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Rio Grande Silvery Minnow; proposed rule. Federal Register 67: 39206-39235.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Rio Grande Silvery Minnow; final rule. Federal Register 68: 8088-8135.</p>
Fish	<i>Notropis girardi</i>	Arkansas River Shiner	Endangered	1998	<p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Arkansas River Basin Population of the Arkansas River Shiner; proposed rule. Federal Register 69: 59859-59879.</p> <p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Final Designation of Critical Habitat for the Arkansas River Basin Population of the Arkansas River Shiner (<i>Notropis girardi</i>); final rule. Federal Register 70: 59808-59846.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Noturus crypticus</i>	Chucky Madtom	Endangered	2011	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Cumberland Darter, Rush Darter, Yellowcheek Darter, Chucky Madtom, and Laurel Dace; proposed rule. Federal Register 76: 63360-63418.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Cumberland Darter, Rush Darter, Yellowcheek Darter, Chucky Madtom, and Laurel Dace; final rule. Federal Register 77: 63604-63668.</p>
Fish	<i>Oregonichthys crameri</i>	Oregon Chub	Endangered	1993	<p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Oregon Chub (<i>Oregonichthys crameri</i>); proposed rule. Federal Register 74: 10412-10453.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Oregon Chub (<i>Oregonichthys crameri</i>); final rule. Federal Register 75: 11010-11067.</p>
Fish	<i>Salmo salar</i>	Atlantic Salmon, Gulf of Maine	Endangered	2000	<p>National Marine Fisheries Service. 2008. Endangered and Threatened Species; Proposed Critical Habitat for the Gulf of Maine Distinct Population Segment of Atlantic Salmon; proposed rule. Federal Register 73: 51747-51781.</p> <p>National Marine Fisheries Service. 2009. Endangered and Threatened Species; Designation of Critical Habitat for Atlantic Salmon (<i>Salmo salar</i>) Gulf of Maine Distinct Population Segment; final rule. Federal Register 74: 29300-29341.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Scaphirhynchus suttkusi</i>	Alabama Sturgeon	Endangered	2000	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Alabama Sturgeon (<i>Scaphirhynchus suttkusi</i>); proposed rule. Federal Register 73: 30361-30374.</p> <p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Alabama Sturgeon (<i>Scaphirhynchus suttkusi</i>); final rule. Federal Register 74: 26488-26510.</p>
Fish	<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	Threatened	1991	<p>Fish and Wildlife Service, and National Marine Fisheries Service. 2002. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Gulf Sturgeon; proposed rule. Federal Register 67: 39106-39199.</p> <p>Fish and Wildlife Service, and National Marine Fisheries Service. 2003. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Gulf Sturgeon; final rule. Federal Register 68: 13370-13495.</p>
Fish	<i>Catostomus santaanae</i>	Santa Ana Sucker	Threatened	2000	<p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Santa Ana Sucker (<i>Catostomus santaanae</i>); proposed rule. Federal Register 74: 65056-65087.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Santa Ana Sucker; final rule. Federal Register 75: 77962-78027.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Fish	<i>Oncorhynchus mykiss</i>	Steelhead	Threatened	1997	<p>National Marine Fisheries Service. 2004. Endangered and Threatened Species; Designation of Critical Habitat for Seven Evolutionarily Significant Units of Pacific Salmon (<i>Oncorhynchus tshawytscha</i>) and Steelhead (<i>O. mykiss</i>) in California; proposed rule. Federal Register 69: 71880-72017.</p> <p>National Marine Fisheries Service. 2005. Endangered and Threatened Species; Designation of Critical Habitat for Seven Evolutionarily Significant Units of Pacific Salmon and Steelhead in California; final rule. Federal Register 70: 52488-52627.</p>
Fish	<i>Tiaroga cobitis</i>	Loach Minnow	Threatened	1986	<p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Endangered Status and Designation of Critical Habitat for Spikedace and Loach Minnow; proposed rule. Federal Register 75: 66482-66552.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status and Designations of Critical Habitat for Spikedace and Loach Minnow; final rule. Federal Register 77: 10810-10932.</p>
Invertebrate	<i>Branchinecta sandiegonensis</i>	San Diego Fairy Shrimp	Endangered	1997	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the San Diego Fairy Shrimp (<i>Branchinecta sandiegonensis</i>); proposed rule. Federal Register 68: 19888-19917.</p> <p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the San Diego Fairy Shrimp (<i>Branchinecta sandiegonensis</i>); final rule. Federal Register 72: 70648-70714.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Cicurina madla</i>	Madla Cave Meshweaver	Endangered	2000	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Nine Bexar County, Texas, Invertebrates; proposed rule. Federal Register 76: 9872-9937.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Nine Bexar County, Texas, Invertebrates; final rule. Federal Register 77: 8450-8523.</p>
Invertebrate	<i>Cicurina venii</i>	Braken Bat Cave Meshweaver	Endangered	2012	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Nine Bexar County, Texas, Invertebrates; proposed rule. Federal Register 76: 9872-9937.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Nine Bexar County, Texas, Invertebrates; final rule. Federal Register 77: 8450-8523.</p>
Invertebrate	<i>Dinacoma caseyi</i>	Caseys June Beetle	Endangered	2011	<p>Fish and Wildlife Service. 2009. Endangered and Threatened Wildlife and Plants; Listing Casey's June Beetle (<i>Dinacoma caseyi</i>) as Endangered and Designation of Critical Habitat; proposed rule. Federal Register 74: 32857-32875.</p> <p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for Casey's June Beetle and Designation of Critical Habitat; final rule. Federal Register 76: 58954-58998.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Drosophila montgomeryi</i>	Pomace Fly (Unnamed)	Endangered	2006	<p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Revised Proposed Designation of Critical Habitat for 12 Species of Picture-Wing Flies From the Hawaiian Islands; proposed rule. Federal Register 72: 67428-67522.</p> <p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for 12 Species of Picture-Wing Flies From the Hawaiian Islands; final rule. Federal Register 73: 73794-</p>
Invertebrate	<i>Drosophila obatai</i>	Pomace Fly (Unnamed)	Endangered	2006	<p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Revised Proposed Designation of Critical Habitat for 12 Species of Picture-Wing Flies From the Hawaiian Islands; proposed rule. Federal Register 72: 67428-67522.</p> <p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for 12 Species of Picture-Wing Flies From the Hawaiian Islands; final rule. Federal Register 73: 73794-</p>
Invertebrate	<i>Epioblasma brevidens</i>	Cumberlandian Combshell	Endangered	1997	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for Five Endangered Mussels in the Tennessee and Cumberland River Basins; proposed rule. Federal Register 68: 33234-33282.</p> <p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Five Endangered Mussels in the Tennessee and Cumberland River Basins; final rule. Federal Register 69: 53136-53180.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Euphydryas editha taylori</i>	Taylor's Checkerspot Butterfly	Endangered	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Listing Taylor's Checkerspot Butterfly and Streaked Horned Lark and Designation of Critical Habitat; proposed rule. Federal Register 77: 61938-62058.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Taylor's Checkerspot Butterfly and Streaked Horned Lark; final rule. Federal Register 78:61506-61589.</p>
Invertebrate	<i>Margaritifera marrianae</i>	Alabama Pearlshell	Endangered	2012	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Endangered Status for the Alabama Pearlshell, Round Ebonyshell, Southern Sandshell, Southern Kidneyshell, and Choctaw Bean, and Threatened Status for the Tapered Pigtoe, Narrow Pigtoe, and Fuzzy Pigtoe; With Critical Habitat; proposed rule. Federal Register 76: 61482-61529.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Determination of Endangered Species Status for the Alabama Pearlshell, Round Ebonyshell, Southern Sandshell, Southern Kidneyshell, and Choctaw Bean, and Threatened Species Status for the Tapered Pigtoe, Narrow Pigtoe, Southern Sandshell, and Fuzzy Pigtoe, and Designation of Critical Habitat; final rule. Federal Register 77: 61664-61719.</p>
Invertebrate	<i>Pleurobema pyriforme</i>	Oval Pigtoe	Endangered	1998	<p>Fish and Wildlife Service. 2006. Endangered and Threatened Wildlife and Plants; Critical Habitat for Five Endangered and Two Threatened Mussels in Four Northeast Gulf of Mexico Drainages; proposed rule. Federal Register 71: 32746-32796.</p> <p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Five Endangered and Two Threatened Mussels in Four Northeast Gulf of Mexico Drainages; final rule. Federal Register 72: 64286-64340.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Pseudotryonia adamantina</i>	Diamond Tryonia	Endangered	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for Six West Texas Aquatic Invertebrate Species and Designation of Critical Habitat; proposed rule. Federal Register 77: 49602-49651.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Six West Texas Aquatic Invertebrates; final rule. Federal Register 78: 40970-40996.</p>
Invertebrate	<i>Ptychobranchus subtentum</i>	Fluted Kidneyshell	Endangered	2013	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Species Status for the Fluted Kidneyshell and Slabside Pearlymussel and Designation of Critical Habitat; proposed rule. Federal Register 77: 60804-60882.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Fluted Kidneyshell and Slabside Pearlymussel; final rule. Federal Register 78: 59556-59620.</p>
Invertebrate	<i>Stygobromus pecki</i>	Peck's Cave Amphipod	Endangered	1997	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Proposed Revision of Critical Habitat for the Comal Springs Dryopid Beetle, Comal Springs Riffle Beetle, and Peck's Cave Amphipod; proposed rule. Federal Register 77: 64272-64300.</p> <p>*Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Comal Springs Dryopid Beetle, Comal Springs Riffle Beetle, and Peck's Cave Amphipod; final rule. Federal Register 78: 63100-63127.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Invertebrate	<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	Threatened	1994	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Critical Habitat Designation for Four Vernal Pool Crustaceans and Eleven Vernal Pool Plants in California and Southern Oregon; proposed rule. Federal Register 67: 59884-60039.</p> <p>Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Final Designation of Critical Habitat for Four Vernal Pool Crustaceans and Eleven Vernal Pool Plants in California and Southern Oregon; Evaluation of Economic Exclusions From August 2003 Final Designation; final rule. Federal Register 70: 46924-46999.</p>
Invertebrate	<i>Pleurobema strodeanum</i>	Fuzzy Pigtoe	Threatened	2012	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Endangered Status for the Alabama PearlsheIl, Round Ebonyshell, Southern Sandshell, Southern Kidneyshell, and Choctaw Bean, and Threatened Status for the Tapered Pigtoe, Narrow Pigtoe, and Fuzzy Pigtoe; With Critical Habitat; proposed rule. Federal Register 76: 61482-61529.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Determination of Endangered Species Status for the Alabama PearlsheIl, Round Ebonyshell, Southern Sandshell, Southern Kidneyshell, and Choctaw Bean, and Threatened Species Status for the Tapered Pigtoe, Narrow Pigtoe, Southern Sandshell, and Fuzzy Pigtoe, and Designation of Critical Habitat; final rule. Federal Register 77: 61664-61719.</p>
Plant	<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Ventura Marsh Milk-vetch	Endangered	2001	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>, a Plant From the Coast of Southern and Central California; proposed rule. Federal Register 67: 62926-62945.</p> <p>Fish and Wildlife Service. 2004. Endangered and Threatened Wildlife and Plants; Final Designation of Critical Habitat for <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> (Ventura Marsh milk-vetch); final rule. Federal Register 69: 29081-29100.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Atriplex coronata</i> var. <i>notatior</i>	San Jacinto Valley Crownscale	Endangered	1998	<p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Designation of Revised Critical Habitat for <i>Allium munzii</i> (Munz's onion) and <i>Atriplex coronata</i> var. <i>notatior</i> (San Jacinto Valley crownscale); proposed rule. Federal Register 77: 23008-23057.</p> <p>Fish and Wildlife Service. 2013. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for <i>Allium munzii</i> (Munz's Onion) and <i>Atriplex coronata</i> var. <i>notatior</i> (San Jacinto Valley Crownscale); final rule. Federal Register 78: 22626-22658.</p>
Plant	<i>Chamaesyce eleanoriae</i>	`Akoko	Endangered	2010	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Listing 48 Species on Kauai as Endangered and Designating Critical Habitat; proposed rule. Federal Register 73: 62592-62742.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for 48 Species on Kauai and Designation of Critical Habitat; final rule. Federal Register 75: 18960-19165.</p>
Plant	<i>Cyanea platyphylla</i>	Haha	Endangered	1996	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designations of Critical Habitat for Plant Species From the Island of Hawaii, Hawaii; proposed rule. Federal Register 67: 36968-37106.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Final Designation and Nondesignation of Critical Habitat for 46 Plant Species From the Island of Hawaii, HI; final rule. Federal Register 68: 39624-39722.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Cyrtandra paliku</i>	Ha`iwale	Endangered	2010	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Listing 48 Species on Kauai as Endangered and Designating Critical Habitat; proposed rule. Federal Register 73: 62592-62742.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for 48 Species on Kauai and Designation of Critical Habitat; final rule. Federal Register 75: 18960-19165.</p>
Plant	<i>Delissea rivularis</i> (<i>Cyanea rivularis</i>)	Oha	Endangered	1996	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Revised Determinations of Prudency and Proposed Designations of Critical Habitat for Plant Species From the Islands of Kauai and Niihau, Hawaii; revised proposed rule. Federal Register 67: 3940-4098.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Final Designation or Nondesignation of Critical Habitat for 95 Plant Species From the Islands of Kauai and Niihau, HI; final rule. Federal Register 68: 9116-9479.</p>
Plant	<i>Huperzia mannii</i> (<i>Phlegmariurus mannii</i> , <i>Lycopodium mannii</i>)	Wawae`iole	Endangered	1992	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Revised Determinations of Prudency and Proposed Designations of Critical Habitat for Plant Species From the Islands of Maui and Kahoolawe, Hawaii; revised proposed rule. Federal Register 67: 15856-15987.</p> <p>Fish and Wildlife. 2003. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for 60 Plant Species from the Islands of Maui and Kahoolawe, HI; final rule. Federal Register 68: 25934-26165.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Melicope puberula</i>	Alani	Endangered	2010	<p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Listing 48 Species on Kauai as Endangered and Designating Critical Habitat; proposed rule. Federal Register 73: 62592-62742.</p> <p>Fish and Wildlife Service. 2010. Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for 48 Species on Kauai and Designation of Critical Habitat; final rule. Federal Register 75: 18960-19165.</p>
Plant	<i>Phyllostegia racemosa</i>	Kiponapona	Endangered	1996	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designations of Critical Habitat for Plant Species From the Island of Hawaii, Hawaii; proposed rule. Federal Register 67: 36968-37106.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Final Designation and Nondesignation of Critical Habitat for 46 Plant Species From the Island of Hawaii, HI; final rule. Federal Register 68: 39624-39722.</p>
Plant	<i>Phyllostegia warshaueri</i>	(No Common Name)	Endangered	1996	<p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Designations of Critical Habitat for Plant Species From the Island of Hawaii, Hawaii; proposed rule. Federal Register 67: 36968-37106.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Final Designation and Nondesignation of Critical Habitat for 46 Plant Species From the Island of Hawaii, HI; final rule. Federal Register 68: 39624-39722.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Schiedea kaalae</i>	(No Common Name)	Endangered	1991	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Listing 23 Species on Oahu as Endangered and Designating Critical Habitat for 124 Species. Federal Register 76: 46362-46594.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for 23 Species on Oahu and Designation of Critical Habitat for 124 Species; final rule. Federal Register 77: 57648-57862.</p>
Plant	<i>Sesbania tomentosa</i>	Ohai	Endangered	1994	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Revised Determinations of Prudency and Proposed Designations of Critical Habitat for Plant Species From the Islands of Kauai and Niihau, Hawaii; revised proposed rule. Federal Register 67: 3940-4098.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Final Designation or Nondesignation of Critical Habitat for 95 Plant Species From the Islands of Kauai and Niihau, HI; final rule. Federal Register 68: 9116-9479.</p>
Plant	<i>Taraxacum californicum</i>	California Taraxacum	Endangered	1998	<p>Fish and Wildlife Service. 2007. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for <i>Poa atropurpurea</i> (San Bernardino bluegrass) and <i>Taraxacum californicum</i> (California taraxacum); proposed rule. Federal Register 72: 44232-44282.</p> <p>Fish and Wildlife Service. 2008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for <i>Poa atropurpurea</i> (San Bernardino bluegrass) and <i>Taraxacum californicum</i> (California taraxacum); final rule. Federal Register 73: 47706-47767.</p>

Table A2-1. (contd.)

Taxa	Species Name	Common Name	Conservation Status	Listing Year	Critical Habitat Documents
Plant	<i>Tetraplasandra gymnocarpa</i>	`Ohe`ohe	Endangered	1994	<p>Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife and Plants; Listing 23 Species on Oahu as Endangered and Designating Critical Habitat for 124 Species. Federal Register 76: 46362-46594.</p> <p>Fish and Wildlife Service. 2012. Endangered and Threatened Wildlife and Plants; Endangered Status for 23 Species on Oahu and Designation of Critical Habitat for 124 Species; final rule. Federal Register 77: 57648-57862.</p>
Plant	<i>Isodendrion longifolium</i>	Aupaka	Threatened	1996	<p>Fish and Wildlife Service. 2002. Endangered and Threatened Wildlife and Plants; Revised Determinations of Prudency and Proposed Designations of Critical Habitat for Plant Species From the Islands of Kauai and Niihau, Hawaii; revised proposed rule. Federal Register 67: 3940-4098.</p> <p>Fish and Wildlife Service. 2003. Endangered and Threatened Wildlife and Plants; Final Designation or Nondesignation of Critical Habitat for 95 Plant Species From the Islands of Kauai and Niihau, HI; final rule. Federal Register 68: 9116-9479.</p>

*Document was not available at the time the content analysis was conducted, and therefore not reviewed, but included here for reference.