

## IEc ECONOMIC ANALYSES OF ENDANGERED SPECIES REGULATIONS BY U.S. FISH AND WILDLIFE SERVICE REGION

**Region 1**

Bull trout (Columbia, Klamath River, St. Mary-Belly River, Coastal Puget Sound, & Jarbridge populations)  
Cook's lomatium & Woolly meadowfoam  
Klamath suckers  
Lost River and Shortnose Suckers  
Marbled murrelet  
Northern spotted owl  
Oregon chub  
Oregon spotted frog  
Puget Trough species (3)  
Rockfish  
Selkirk Mountain caribou  
Slickspot peppergrass  
Wenatchee Mts. checkermallow  
White sturgeon (Kootenai River population)  
Willamette species (3)  
Woodland caribou

**Region 2**

Arizona plants (3)  
Arizona springsnails (2)  
Arkansas River shiner  
Bexar County invertebrates (9)  
Brazos River fish (2)  
Cactus ferruginous pygmy owl  
Chiricahua Leopard frog  
Chupadera springsnail  
Comal Springs invertebrates (3)  
Devils River minnow  
Gila chub  
Jaguar  
Jemez mountain salamander  
Mexican spotted owl  
Mexican wolf  
Pecos sunflower  
Piping plover (wintering Texas pop.)  
Rio Grande silvery minnow  
Southwestern invertebrates (4)  
Southwestern willow flycatcher  
Spikedace and loach minnow  
Texas plants (2)  
Texas salamanders (4)  
West Texas invertebrates  
Yellow-billed cuckoo  
Zapata bladderpod  
Zuni bluehead sucker

**Region 3**

Hine's emerald dragonfly  
Grotto sculpin  
Piping plover (breeding population)  
Tumbling Creek cavesnail

**Region 4**

Alabama beach mouse  
Alabama sturgeon  
Altamaha spiny mussel  
Appalachian elktoe  
Arkansas rockcross  
Black warrior waterdog  
Cape Sable seaside sparrow  
Carolina heelsplitter  
Caribbean plants (3)  
Cumberlandian mussels (5)

Gulf sturgeon (NOAA & USFWS)  
Flatwoods salamander  
Florida beach mice (3)  
Florida butterflies (2)  
Florida manatee  
Florida mussels (7)  
Georgia pigtoe mussel, Interrupted rocksnail & Rough hornsnail  
Golden sedge  
Gulf Coast mussels (8)  
Kentucky gladdress  
Louisiana black bear  
Mississippi gopher frog  
Mobile River Basin mussels (11)  
Piping plover (North Carolina wintering population)  
Red knot  
Southeast fishes (5)  
Southeastern plants (3)  
Spring pygmy sunfish  
Spruce-Fir Moss spider

**Region 5**

Atlantic Salmon  
Diamond darter  
Loggerhead sea turtles (FWS & NOAA)

**Region 6**

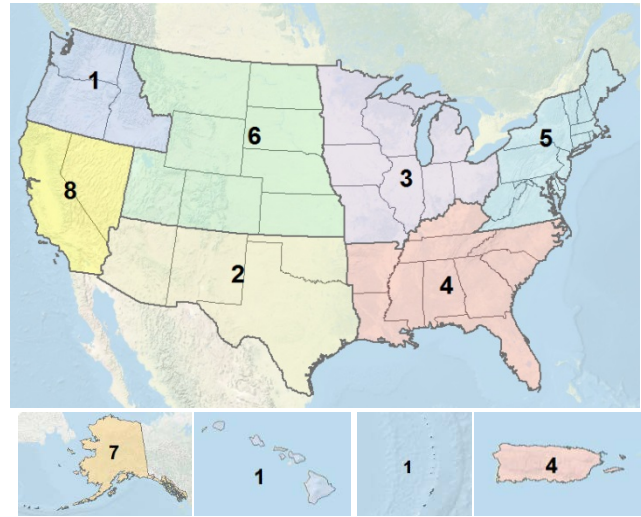
Canada lynx  
Colorado butterfly plant  
Colorado plants (3)  
Desert Yellowhead  
Gunnison sage grouse  
Holmgren & Shivwits milk-vetches  
New Mexico jumping mouse  
Piping plover (Great Plains population)  
Preble's meadow jumping mouse  
Salt Creek tiger beetle  
Topeka shiner

**Region 7, Alaska**

Northern sea otter  
Polar bear  
Spectacled eider  
Steller's eider

**Region 8**

Alameda whipsnake  
Arroyo toad  
Baker's and yellow larkspurs  
Bay checkerspot butterfly  
Bi-State DPS greater sage grouse  
Big Bear Valley sandwort  
Braunton's milk-vetch  
Brodiaea filifolia  
Buena Vista Lake shrew  
California coastal plants (3)  
California gnatcatcher  
California red-legged frog  
California taraxacum and San Bernardino bluegrass  
California tiger salamander (Central, Santa Barbara, and Sonoma populations)  
Carbonate plants (5)  
Casey's june beetle  
Coachella Valley milk-vetch  
Fish Slough milk-vetch

**Region 8 continued**

Hidden Lake bluecurls  
Keck's checkermallow  
Kneeland Prairie pennycress  
La Graciosa thistle  
Laguna Mountains skipper  
Lane Mountain milk-vetch  
Lyon's pentachaeta  
Mexican flannelbush  
Monterey spineflower  
Morro shoulderband snail  
Mountain yellow-legged frog  
Munz's onion  
Nevin's barberry  
Otay tarplant  
Pebble plains plants  
Peirson's milk-vetch  
Peninsular bighorn sheep  
Purple amole  
Quino checkerspot butterfly  
Riverside fairy shrimp  
Robust spineflower  
San Bernardino kangaroo rat  
San Diego ambrosia  
San Diego fairy shrimp  
San Diego thornmint  
San Jacinto Valley crowscale  
Santa Ana sucker  
Santa Cruz tarplant  
Scotts Valley polygonum  
Scotts Valley spineflower  
Sierra amphibians (3)  
Sierra Nevada bighorn sheep  
Sierra plants (2)  
Spreading navarretia  
Suisun thistle & soft bird's-beak  
Thread-leaved brodiaea  
Tidewater goby  
Vail Lake ceanothus  
Ventura marsh milk-vetch  
Vernal pool species (15)  
Western snowy plover  
Willow monardella  
Yadon's piperia  
Zayante band-winged grasshopper

**Hawaii**

Big Island Species (3)  
Blackburn's sphinx moth  
Hawaii Damselflies (4)  
Hawaii picture-wing flies (11)  
Hawai'i plants (47)  
Kaua'i cave amphipod and Kaua'i cave wolf spider  
Kaua'i & Ni'ihau plants (83)  
Lana'i plants (32)  
Mau'i & Kaho'olawe plants (61)  
Maui Nui species (136)  
Moloka'i plants (46)  
Monk Seal  
Newcomb's snail  
Northwestern Hawaiian Islands plants (5)  
O'ahu plants (99)

**Guam & Northern Mariana Islands**

Guam species (6)  
Rota bridled white-eye  
Puerto Rico and US Virgin Islands  
Catesbaea melanocarpa  
Guajon

**Marine Species**

Atlantic Salmon (NOAA)  
Eulachon (NOAA)  
False killer whales (NOAA)  
Fin whale (NOAA)  
Green sturgeon (NOAA)  
Humpback whale (NOAA)  
Killer whale (NOAA)  
North Atlantic right whale (NOAA)  
Pacific salmon and steelhead (NOAA)

**Canada**

Lake Sturgeon (Oceans/Fisheries Canada)

Species are listed under the lead Region, and habitat may include other areas outside of that region. In many cases, critical habitat designations were remanded voluntarily by the Service in response to litigation or under court-order, requiring two or more rule packages and supporting economic analyses for single species. In such cases, the species is listed here only once.