

## Appendix A. Reports Provided by Other Federal Agencies

### Department of Agriculture:

- Animal and Plant Health Inspection Service
- Forest Service
- Natural Resources Conservation Service

### Department of Commerce:

- National Oceanic and Atmospheric Administration

### Department of Defense:

- Office of the Under Secretary  
(representing Air Force, Army, Coast Guard, Defense Logistics Agency, Marine Corps,  
and Navy)
- Army Corps of Engineers

### Department of Energy:

- Bonneville Power Administration

### Department of the Interior:

- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Office of Surface Mining\*
- U.S. Geological Survey

### Department of Transportation:

- Federal Aviation Administration
- Federal Highway Administration

### Department of the Treasury:

- Customs Service\*

### Other:

- Environmental Protection Agency
- Federal Energy Regulatory Commission
- Nuclear Regulatory Commission
- Smithsonian Institution
- Tennessee Valley Authority

\*--indicates Agency with no reasonably identifiable expenditures



United States  
Department of  
Agriculture

December 5, 2001

Marketing and  
Regulatory  
Programs

Animal and  
Plant Health  
Inspection  
Service

Washington, DC  
20250

Mr. Marshall P. Jones, Jr.  
Acting Director  
Fish and Wildlife Service  
Department of the Interior  
1849 C Street, NW  
Washington, DC 20240

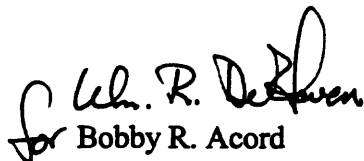
Dear Mr. Jones:

Enclosed is the Animal and Plant Health Inspection Service's (APHIS) report on the expenditures related to the conservation of endangered and threatened species under the Endangered Species Act for Fiscal Years 1999 and 2000.

Enclosures 1 and 3 are the lists of expenditures that APHIS has identified for particular species in Fiscal Years 1999 and 2000, respectively. We have included these figures on the printed copies of the Microsoft EXCEL spreadsheets. All of these activities were implemented by Wildlife Services. Enclosures 2 and 4 are the total amounts that APHIS has spent in Fiscal Years 1999 and 2000, respectively, for endangered and threatened species for which particular species could not be identified.

Should you have any questions concerning this data, please contact Nancy Sweeney, Policy and Program Development, Environmental Services at 301-734-7681.

Sincerely,

  
for Bobby R. Acord  
Administrator

Enclosures



ENCLOSURE 3

**EXPENDITURES FOR THE PROTECTION OF  
ENDANGERED AND THREATENED SPECIES  
BY THE WILDLIFE SERVICES PROGRAM  
DURING FY 2000**

<b><u>SPECIES PROTECTED</u></b>	<b><u>TOTAL COST</u></b>
Bat, Mariana fruit	25,000.00
Bear, grizzly	38,809.00
Bear, Louisiana black	23,956.00
Bush-clover, prairie	1,050.00
Butterfly, Karner blue	1,000.00
Coot, Hawaiian	27,138.00
Crow, Mariana	100,800.00
Duck, Hawaiian	27,138.00
Eagle, bald	8,050.00
Ferret, black-footed	50,949.00
Flycatcher, southwestern willow	15,598.00
Fox, San Joaquin kit	2,270.00
Frog, California red-legged	11,275.00
Goose, Aleutian Canada	126,309.00
Goose, Hawaiian	4,332.00
Iguana, Cuban ground	15,285.00

Jaguar	5,708.00
Lynx, Canada	19,316.00
Minnow, loach	184.00
Moorhen, Hawaiian common	22,806.00
Moorhen, Mariana common	15,000.00
Mouse, Anastasia Island	3,550.00
Mouse, Choctawahatchee Beach	3,550.00
Mouse, Perdido Key beach	431.00
Mouse, salt marsh harvest	10,651.00
Mouse, St Andrew Beach	2,530.00
Owl, Mexican spotted	184.00
Paintbrush, golden	600.00
Palila	7,624.00
Parrot, Puerto Rican	15,575.00
Pearlshell, Louisiana	7,126.00
Plover, piping	8,756.00
Plover, western snowy	49,634.00
Popolo ku mai	7,262.00
Prairie-chicken, Attwater's greater	2,183.00
Prairie dog, Utah	1,011.00
Pygmy-owl, cactus ferruginous	184.00
Rail, California clapper	168,478.00
Rail, Guam	15,000.00

Rail, light-footed clapper	15,510.00
Rail, Yuma clapper	559.00
Salmon, chinook	69,417.00
Salmon, sockeye	68,993.00
Sea turtle, green	10,050.00
Sea turtle, hawksbill	49,956.00
Sea turtle, leatherback	24,850.00
Sea turtle, loggerhead	39,731.00
Sheep, bighorn	121,045.00
Shiner, Arkansas River	265.00
Shiner, Topeka	147.00
Spikedace	184.00
Spinedace, Little Colorado	184.00
Squirrel, Northern Idaho ground	611.00
Steelhead	69,414.00
Stilt, Hawaiian	105,440.00
Swiftlet, Mariana gray	100,000.00
Tern, California least	230,398.00
Tern, least	11,610.00
Tern, roseate	3,780.00
Tortoise, desert	5,498.00
Trout, bull	34,040.00
Turtle, bog	310.00

Vireo, black-capped	26,612.00
Vireo, least Bell's	20,565.00
Warbler, golden-cheeked	26,347.00
Wolf, gray	562,960.00
Wolf, Mexican	82,444.00
Woodpecker, red-cockaded	<u>265.00</u>
Total	2,527,487.00



United States  
Department of  
Agriculture

Forest  
Service

Washington Office

70-02112  
14<sup>th</sup> & Independence SW  
P.O. Box 96090  
Washington, DC 20090-6090

File Code: 2670

Date: AUG 19 2002

Mr. Steve Williams  
Director, U.S. Fish and Wildlife Service  
U.S. Department of Interior  
MS 3012-MIB  
1849 C Street NW  
Washington, DC 20240


Dear Mr. Williams:

The enclosed information is in response to your April 23, 2002, request for an accounting of Forest Service expenditures on threatened and endangered species. The two enclosed reports summarize Forest Service Fiscal Year (FY) 1999 and FY 2000 expenditures. The reported funds do not include contributions made by partners. No land acquisitions for threatened or endangered species occurred in either year.

Based on reports from Forest Service field offices, the Forest Service expended funds on 281 threatened and endangered species in FY 1999, and on 184 species in FY 2000. The expenditures given are from the Forest Service appropriations for threatened and endangered species and other wildlife and fish habitat management, and also from research and other agency program appropriations that were used to benefit threatened and endangered species. Expenditures that were reasonably identifiable for specific threatened and endangered species in FY 1999 were \$28,354,700; expenditures in FY 2000 were \$15,792,305.

If you need additional information on our expenditures, please contact Marc Bosch, National TES Program Leader, at 202-205-1220.

Sincerely,

  
JAMES T. GLADEN

Director, Watershed, Fish, Wildlife, Air, and Rare Plants

Enclosures

cc:

Regional Foresters  
Director, WFWAR, Research and Development  
Director, Cooperative Forestry, SPF



Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

2000 Data Request For Federal Agencies

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	bat, gray	Myotis grisescens	E	77,000	
Mammals	bat, Hawaiian hoary	Lasiurus cinereus semotus	E		
Mammals	bat, Indiana	Myotis sodalis	E	551,500	
Mammals	bat, lesser long-nosed	Leptonycteris curasoae yerbabuenae	E	30,000	
Mammals	bat, little Mariana fruit	Pteropus tokudae	E		
Mammals	bat, Mariana fruit	Pteropus mariannus mariannus	E		
Mammals	bat, Mexican long-nosed	Leptonycteris nivalis	E	400	
Mammals	bat, Ozark big-eared	Corynorhinus townsendii ingens	E	29,500	
Mammals	bat, Virginia big-eared	Corynorhinus townsendii virginianus	E	231,000	
Mammals	bear, grizzly	Ursus arctos horribilis	T	711,500	
Mammals	bear, Louisiana black	Ursus americanus luteolus	T		
Mammals	caribou, woodland	Rangifer tarandus caribou	E	9,000	
Mammals	deer, Columbian white-tailed	Odocoileus virginianus leucurus	E		
Mammals	deer, Key	Odocoileus virginianus clavium	E		
Mammals	ferret, black-footed	Mustela nigripes	E	159,500	
Mammals	fox, San Joaquin kit	Vulpes macrotis mutica	E		
Mammals	jaguar	Panthera onca	E	6,000	
Mammals	jaguarundi, Gulf Coast	Herpailurus yagouaroundi cacomitti	E		
Mammals	jaguarundi, Sinaloan	Herpailurus yagouaroundi tolteca	E	600	
Mammals	kangaroo rat, Fresno	Dipodomys nitratoides exilis	E		
Mammals	kangaroo rat, giant	Dipodomys ingens	E		
Mammals	kangaroo rat, Morro Bay	Dipodomys heermanni morroensis	E		
Mammals	kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E	10,500	
Mammals	kangaroo rat, Stephens'	Dipodomys stephensi	E		
Mammals	kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E		
Mammals	lynx, Canada	Lynx canadensis	T	1,171,500	
Mammals	manatee, West Indian	Trichechus manatus	E		
Mammals	mountain beaver, Point Arena	Aplodontia rufa nigra	E		
Mammals	Mouse, Alabama beach	Peromyscus polionotus ammobates	E		
Mammals	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E		
Mammals	Mouse, Choctawhatchee beach	Peromyscus polionotus allophrys	E		
Mammals	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E		
Mammals	mouse, Pacific pocket	Perognathus longimembris pacificus	E		
Mammals	Mouse, Perdido Key beach	Peromyscus polionotus trissyllepsis	E		
Mammals	mouse, Preble's meadow jumping	Zapus hudsonius preblei	T		
Mammals	mouse, salt marsh harvest	Reithrodontomys raviventris	E		
Mammals	Mouse, southeastern beach	Peromyscus polionotus niveiventris	T		
Mammals	mouse, St. Andrew beach	Peromyscus polionotus peninsularis	E		
Mammals	ocelot	Leopardus pardalis	E	400	



Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	otter, southern sea	Enhydra lutris nereis	T		
Mammals	panther, Florida	Puma concolor coryi	E		
Mammals	prairie dog, Utah	Cynomys parvidens	T	41,500	
Mammals	pronghorn, Sonoran	Antilocapra americana sonoriensis	E		
Mammals	puma, eastern	Puma concolor cougar	E		
Mammals	rabbit, Lower Keys marsh	Sylvilagus palustris hefneri	E		
Mammals	rabbit, riparian brush	Sylvilagus bachmani riparius	E		
Mammals	rice rat	Oryzomys palustris natator	E		
Mammals	sea-lion, Steller	Eumetopias jubatus	E, T	1,000	
Mammals	seal, Caribbean monk	Monachus tropicalis	E		
Mammals	seal, Guadalupe fur	Arctocephalus townsendi	T		
Mammals	seal, Hawaiian monk	Monachus schauinslandi	E		
Mammals	sheep, bighorn	Ovis canadensis	E	56,000	
Mammals	sheep, bighorn	Ovis canadensis californiana	E		
Mammals	shrew, Dismal Swamp southeastern	Sorex longirostris fisheri	DP		
Mammals	squirrel, Carolina northern flying	Glaucomys sabrinus coloratus	E		
Mammals	squirrel, Delmarva Peninsula fox	Sciurus niger cinereus	E		
Mammals	squirrel, Mount Graham red	Tamiasciurus hudsonicus grahamensis	E	10,500	
Mammals	squirrel, northern Idaho ground	Spermophilus brunneus brunneus	T	46,000	
Mammals	squirrel, Virginia northern flying	Glaucomys sabrinus fuscus	E	140,500	
Mammals	vole, Amargosa	Microtus californicus scirpensis	E		
Mammals	vole, Florida salt marsh	Microtus pennsylvanicus dukecampbelli	E		
Mammals	vole, Hualapai Mexican	Microtus mexicanus hualpaiensis	E		
Mammals	whale, blue	Balaenoptera musculus	E		
Mammals	whale, bowhead	Balaena mysticetus	E		
Mammals	whale, finback	Balaenoptera physalus	E		
Mammals	whale, humpback	Megaptera novaeangliae	E		
Mammals	whale, right	Balaena glacialis	E		
Mammals	whale, Sei	Balaenoptera borealis	E		
Mammals	whale, sperm	Physeter catodon	E		
Mammals	wolf, gray	Canis lupus	E, T	240,000	
Mammals	wolf, red	Canis rufus	E		
Mammals	woodrat, Key Largo	Neotoma floridana smalli	E		
Mammals	woodrat, riparian	Neotoma fuscipes riparia	E		
<b>Mammals Total</b>				<b>3523900</b>	
Birds	akepa, Hawaii	Loxops coccineus coccineus	E	8,000	
Birds	akepa, Maui	Loxops coccineus ochraceus	E		
Birds	akialoa, Kauai	Hemignathus procerus	E		
Birds	akiapola'au	Hemignathus munroi	E	8,000	
Birds	Albatross, short-tailed	Phoebastria albatrus	E		
Birds	blackbird, yellow-shouldered	Agelaius xanthomus	E		

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	bobwhite, masked	Colinus virginianus ridgwayi	E		
Birds	broadbill, Guam	Myiagra freylneti	E		
Birds	cahow	Pterodroma cahow	E		
Birds	caracara, Audubon's crested	Polyborus plancus audubonii	T		
Birds	condor, California	Gymnogyps californianus	E	36,000	
Birds	coot, Hawaiian	Fulica americana alai	E		
Birds	crane, Mississippi sandhill	Grus canadensis pulla	E		
Birds	crane, whooping	Grus americana	E		
Birds	creeper, Hawaii	Oreomystis mana	E	8,000	
Birds	creeper, Molokai	Paroreomyza flammea	E		
Birds	creeper, Oahu	Paroreomyza maculata	E		
Birds	crow, Hawaiian	Corvus hawaiiensis	E		
Birds	crow, Mariana	Corvus kubaryi	E		
Birds	crow, white-necked	Corvus leucognaphalus	E		
Birds	curlew, Eskimo	Numenius borealis	E		
Birds	duck, Hawaiian	Anas wyvilliana	E		
Birds	duck, Laysan	Anas laysanensis	E		
Birds	eagle, bald	Haliaeetus leucocephalus	T	1,086,500	
Birds	elder, spectacled	Somateria fischeri	T		
Birds	elder, Steller's	Polysticta stelleri	T		
Birds	elepaio, Oahu	Chasiempis sandwichensis ibidus	E		
Birds	falcon, northern aplomado	Falco femoralis septentrionalis	E	2,500	
Birds	finch, Laysan	Telespyza cantans	E		
Birds	finch, Nihoa	Telespyza ultima	E		
Birds	flycatcher, southwestern willow	Empidonax traillii extimus	E	293,500	
Birds	gnatcatcher, coastal California	Poliophtila californica californica	T		
Birds	goose, Hawaiian	Branta sandvicensis	E		
Birds	hawk, Hawaiian	Buteo solitarius	E	4,000	
Birds	hawk, Puerto Rican broad-winged	Buteo platypterus brunescens	E		
Birds	hawk, Puerto Rican sharp-shinned	Accipiter striatus venator	E		
Birds	honeycreeper, crested	Palmeria dolei	E		
Birds	jay, Florida scrub	Aphelocoma coerulescens	T	27,000	
Birds	kingfisher, Guam Micronesian	Halcyon cinnamomina cinnamomina	E		
Birds	kite, Everglade snail	Rostrhamus sociabilis plumbeus	E		
Birds	mallard, Mariana	Anas oustaleti	E		
Birds	megapode, Micronesian	Megapodius laperouse	E		
Birds	millerbird, Nihoa	Acrocephalus familiaris kingi	E		
Birds	monarch, Tinian	Monarcha takatsukasae	T		
Birds	moorhen, Hawaiian common	Gallinula chloropus sandvicensis	E		
Birds	moorhen, Mariana common	Gallinula chloropus guami	E		
Birds	murrelet, marbled	Brachyramphus marmoratus marmoratus	T	560,000	

Federal List of Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	nightjar, Puerto Rican	Caprimulgus noctitherus	E		
Birds	nukupū	Hemignathus lucidus	E		
Birds	ʻōʻō, Kauai	Moho braccatus	E		
Birds	ʻōʻū	Psittirostra psittacea	E		
Birds	owl, Mexican spotted	Strix occidentalis lucida	T	884,500	
Birds	owl, northern spotted	Strix occidentalis caurina	T	1,385,500	
Birds	pallid -	Loxioides bailleui	E		
Birds	parrot, Puerto Rican	Amazona vittata	E	151,000	
Birds	parrotbill, Maui	Pseudonestor xanthophrys	E		
Birds	pelican, brown	Pelecanus occidentalis	E		
Birds	petrel, Hawaiian dark-rumped	Pterodroma phaeopygia sandwichensis	E		
Birds	pigeon, Puerto Rican plain	Columba inornata wetmorei	E		
Birds	Plover, piping	Charadrius melodus	E, T	45,500	
Birds	plover, western snowy	Charadrius alexandrinus nivosus	T	10,000	
Birds	poʻouli	Melanprosops phaeosoma	E		
Birds	prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E		
Birds	pygmy-owl, cactus ferruginous	Glaucidium brasilianum cactorum	E	12,000	
Birds	rail, California clapper	Rallus longirostris obsoletus	E		
Birds	rail, Guam	Rallus owstoni	E		
Birds	rail, light-footed clapper	Rallus longirostris levipes	E		
Birds	rail, Yuma clapper	Rallus longirostris yumanensis	E	1,100	
Birds	shearwater, Newell's Townsend's	Puffinus auricularis newelli	T		
Birds	shrike, San Clemente loggerhead	Lanius ludovicianus mearnsi	E		
Birds	sparrow, Cape Sable seaside	Ammodramus maritimus mirabilis	E		
Birds	sparrow, Florida grasshopper	Ammodramus savannarum floridanus	E		
Birds	sparrow, San Clemente sage	Amphispiza belli clementeae	T		
Birds	stilts, Hawaiian	Himantopus mexicanus knudseni	E		
Birds	stork, wood	Mycteria americana	E		
Birds	swiftlet, Mariana gray	Aerodramus vanikorensis bartschi	E		
Birds	tern, California least	Sterna antillarum browni	E		
Birds	tern, least	Sterna antillarum	E		
Birds	tern, roseate	Sterna dougallii dougallii	E, T		
Birds	thrush, large Kauai	Myadestes myadestinus	E		
Birds	thrush, Molokai	Myadestes lanaiensis rutha	E		
Birds	thrush, small Kauai	Myadestes palmeri	E		
Birds	towhee, Inyo California	Pipilo crissalis eremophilus	T		
Birds	vireo, black-capped	Vireo atricapillus	E		
Birds	vireo, least Bell's	Vireo bellii pusillus	E	144,000	
Birds	warbler, Bachman's	Vermivora bachmanii	E		
Birds	warbler, golden-cheeked	Dendroica chrysoparia	E		
Birds	warbler, Kirtland's	Dendroica kirtlandii	E	183,000	

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	warbler, nightingale reed	Acrocephalus luscini	E		
Birds	white-eye, bridled	Zosterops conspicillatus conspicillatus	E		
Birds	woodpecker, ivory-billed	Campephilus principalis	E		
Birds	woodpecker, red-cockaded	Picoides borealis	E	1,473,000	
<b>Birds Total</b>				6,323,100	
Reptiles	anole, Culebra Island giant	Anolis roosevelti	E		
Reptiles	boa, Mona	Epicrates monensis monensis	T		
Reptiles	boa, Puerto Rican	Epicrates inornatus	E	67,000	
Reptiles	boa, Virgin Islands tree	Epicrates monensis granti	E		
Reptiles	crocodile, American	Crocodylus acutus	E		
Reptiles	gecko, Monito	Sphaerodactylus micropithecus	E		
Reptiles	iguana, Mona ground	Cyclura stejnegeri	T		
Reptiles	lizard, blunt-nosed leopard	Gambelia silus	E		
Reptiles	lizard, Coachella Valley fringe-toed	Uma inornata	T		
Reptiles	lizard, Island night	Xantusia riversiana	T		
Reptiles	lizard, St. Croix ground	Ameiva polops	E		
Reptiles	rattlesnake, New Mexican ridge-nosed	Crotalus willardi obscurus	T	24,000	
Reptiles	sea turtle, green	Chelonia mydas	E, T		
Reptiles	sea turtle, hawksbill	Eretmochelys imbricata	E		
Reptiles	sea turtle, Kemp's ridley	Lepidochelys kempii	E		
Reptiles	sea turtle, leatherback	Dermochelys coriacea	E		
Reptiles	sea turtle, loggerhead	Caretta caretta	T		
Reptiles	sea turtle, olive ridley	Lepidochelys olivacea	E, T		
Reptiles	skink, bluetail mole	Eumeces egregius lividus	T		
Reptiles	skink, sand	Neoseps reynoldsi	T		
Reptiles	snake, Atlantic salt marsh	Nerodia clarkii taeniata	T		
Reptiles	snake, Concho water	Nerodia paucimaculata	T		
Reptiles	snake, copperbelly water	Nerodia erythrogaster neglecta	T		
Reptiles	snake, eastern indigo	Drymarchon corais couperi	T		
Reptiles	snake, giant garter	Thamnophis gigas	T	7,000	
Reptiles	snake, Lake Erie water	Nerodia sipedon insularum	T		
Reptiles	snake, San Francisco garter	Thamnophis sirtalis tetrataenia	E		
Reptiles	tortoise, desert	Gopherus agassizii	T	1,000	
Reptiles	tortoise, gopher	Gopherus polyphemus	T	95,000	
Reptiles	turtle, Alabama red-belly	Pseudemys alabamensis	E		
Reptiles	turtle, bog	Clemmys muhlenbergii	T		
Reptiles	turtle, flattened musk	Stemotherus depressus	T		
Reptiles	turtle, Plymouth redbelly	Pseudemys rubriventris bangsi	E		
Reptiles	turtle, ringed map	Graptemys oculifera	T		
Reptiles	turtle, yellow-blotched map	Graptemys flavimaculata	T		
Reptiles	whipsnake, Alameda	Masticophis lateralis euryxanthus	T		

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
<b>Reptiles Total</b>				194000	
Amphibians	coqui, golden	Eleutherodactylus jasperi	T		
Amphibians	frog, California red-legged	Rana aurora draytonii	T	182,500	
Amphibians	guajon	Eleutherodactylus cooki	T		
Amphibians	salamander, Barton Springs	Eurycea sosorum	E		
Amphibians	salamander, California tiger	Ambystoma californiense	E		
Amphibians	salamander, Cheat Mountain	Plethodon nettingi	T	98,500	
Amphibians	salamander, desert slender	Batrachoseps aridus	E		
Amphibians	salamander, flatwoods	Ambystoma cingulatum	T	500	
Amphibians	salamander, Red Hills	Phaeognathus hubrichti	T		
Amphibians	salamander, San Marcos	Eurycea nana	T		
Amphibians	salamander, Santa Cruz long-toed	Ambystoma macrodactylum croceum	E		
Amphibians	salamander, Shenandoah	Plethodon shenandoah	E		
Amphibians	salamander, Sonoran tiger	Ambystoma tigrinum stebbinsi	E	3,500	
Amphibians	salamander, Texas blind	Typhlomolge rathbuni	E		
Amphibians	toad, arroyo	Bufo microscaphus californicus	E	189,000	
Amphibians	toad, Houston	Bufo houstonensis	E		
Amphibians	toad, Puerto Rican crested	Peltophryne lemur	T		
Amphibians	toad, Wyoming	Bufo hemiophrys baxteri	E		
<b>Amphibians Total</b>				474000	
Fishes	catfish, Yaqui	Ictalurus pricei	T	200	
Fishes	cavefish, Alabama	Speoplatyrhinus poulsoni	E		
Fishes	cavefish, Ozark	Amblyopsis rosae	T		
Fishes	chub, bonytail	Gila elegans	E	105,000	
Fishes	chub, Borax Lake	Gila boraxobius	E		
Fishes	chub, Chihuahua	Gila nigrescens	T	3,000	
Fishes	chub, humpback	Gila cypha	E	101,500	
Fishes	chub, Hutton tui	Gila bicolor ssp.	T		
Fishes	chub, Mohave tui	Gila bicolor mohavensis	E	27,000	
Fishes	chub, Oregon	Oregonichthys crameri	E		
Fishes	chub, Owens tui	Gila bicolor snyderi	E	7,000	
Fishes	chub, Pahrnagat roundtail	Gila robusta jordani	E		
Fishes	chub, slender	Erimystax cahni	T		
Fishes	chub, Sonora	Gila ditaenia	T		
Fishes	chub, spotfin	Cyprinella monacha	T		
Fishes	chub, Virgin River	Gila robusta seminuda	E		
Fishes	chub, Yaqui	Gila purpurea	E	6,000	
Fishes	cui-ui	Chasmistes cujus	E		
Fishes	dace, Ash Meadows speckled	Rhinichthys osculus nevadensis	E		
Fishes	dace, blackside	Phoxinus cumberlandensis	T		
Fishes	dace, Clover Valley speckled	Rhinichthys osculus oligoporus	E		

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Fishes	dace, desert	Eremichthys acros	T		
Fishes	dace, Fosskett speckled	Rhinichthys osculus ssp.	T		
Fishes	dace, Independence Valley speckled	Rhinichthys osculus lethoporus	E		
Fishes	dace, Kendall Warm Springs	Rhinichthys osculus thermalis	E	1,000	
Fishes	dace, Moapa	Moapa coriacea	E		
Fishes	darer, amber	Percina antesella	E		
Fishes	darer, bayou	Etheostoma rubrum	T		
Fishes	darer, bluemask	Etheostoma sp.	E		
Fishes	darer, boulder	Etheostoma wapiti	E		
Fishes	darer, Cherokee	Etheostoma scotti	T		
Fishes	darer, duskytail	Etheostoma percnum	E		
Fishes	darer, Etowah	Etheostoma etowahae	E		
Fishes	darer, fountain	Etheostoma fonticola	E		
Fishes	darer, goldline	Percina aurolineata	T		
Fishes	darer, leopard	Percina pantherina	T	41,500	
Fishes	darer, Maryland	Etheostoma sellare	E		
Fishes	darer, Niangua	Etheostoma nianguae	T		
Fishes	darer, Okaloosa	Etheostoma okaloosae	E		
Fishes	darer, relict	Etheostoma chienense	E		
Fishes	darer, slackwater	Etheostoma boschungii	T		
Fishes	darer, snail	Percina tanasi	T		
Fishes	darer, watercress	Etheostoma nuchale	E		
Fishes	gambusia, Big Bend	Gambusia galgei	E		
Fishes	gambusia, Clear Creek	Gambusia heterochir	E		
Fishes	gambusia, Pecos	Gambusia nobilis	E		
Fishes	gambusia, San Marcos	Gambusia georgei	E		
Fishes	goby, tidewater	Eucyclogobius newberryi	E		
Fishes	logperch, Conasauga	Percina jenkinsi	E		
Fishes	logperch, Roanoke	Percina rex	E		
Fishes	madtom, Neosho	Noturus placidus	T		
Fishes	madtom, pygmy	Noturus stanauli	E		
Fishes	madtom, Scioto	Noturus trautmani	E		
Fishes	madtom, smoky	Noturus baileyi	E	17,500	
Fishes	madtom, yellowfin	Noturus flavipinnis	T		
Fishes	minnow, Devils River	Dionda diaboli	T		
Fishes	minnow, loach	Tiaroga cobitis	T	91,500	
Fishes	minnow, Rio Grande silvery	Hybognathus amarus	E		
Fishes	pikeminnow, Colorado	Ptychocheilus lucius	E	109,000	
Fishes	poolfish, Pahump	Empetrichthys latos	E		
Fishes	pupfish, Ash Meadows Amargosa	Cyprinodon nevadensis mionectes	E		
Fishes	pupfish, Comanche Springs	Cyprinodon elegans	E		

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Fishes	pupfish, desert	Cyprinodon macularius	E	600	
Fishes	pupfish, Devils Hole	Cyprinodon diabolis	E		
Fishes	pupfish, Leon Springs	Cyprinodon bovinus	E		
Fishes	pupfish, Owens	Cyprinodon radiosus	E		
Fishes	pupfish, Warm Springs	Cyprinodon nevadensis pectoralis	E		
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E, T	218,500	
Fishes	salmon, chum	Oncorhynchus keta	T	10,000	
Fishes	salmon, coho	Oncorhynchus kisutch	T	301,500	
Fishes	salmon, sockeye	Oncorhynchus nerka	E, T	10,000	
Fishes	sculpin, pygmy	Cottus pygmaeus	T		
Fishes	shiner, Arkansas River	Notropis girardi	T		
Fishes	shiner, beautiful	Cyprinella formosa	T	200	
Fishes	shiner, blue	Cyprinella caerulea	T		
Fishes	shiner, Cahaba	Notropis cahabae	E		
Fishes	shiner, Cape Fear	Notropis mekistocholas	E		
Fishes	shiner, palezone	Notropis albizonatus	E		
Fishes	shiner, Pecos bluntnose	Notropis simus pecosensis	T		
Fishes	shiner, Topeka	Notropis topeka	E		
Fishes	silverside, Waccamaw	Menidia extensa	T		
Fishes	smelt, delta	Hypomesus transpacificus	T	7,000	
Fishes	spikedace	Meda fulgida	T	142,500	
Fishes	spinedace, Big Spring	Lepidomeda mollispinis pratensis	T		
Fishes	spinedace, Little Colorado	Lepidomeda vittata	T		
Fishes	spinedace, White River	Lepidomeda albivallis	E		
Fishes	splittail, Sacramento	Pogonichthys macrolepidotus	T	7,000	
Fishes	springfish, Hiko White River	Crenichthys baileyi grandis	E		
Fishes	springfish, Railroad Valley	Crenichthys nevadae	T		
Fishes	springfish, White River	Crenichthys baileyi baileyi	E		
Fishes	steelhead	Oncorhynchus mykiss	E, T	374,500	
Fishes	stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E	402,500	
Fishes	sturgeon, Alabama	Scaphirhynchus suttkusi	E		
Fishes	sturgeon, Gulf	Acipenser oxyrinchus desotoi	T	12,500	
Fishes	sturgeon, pallid	Scaphirhynchus albus	E	1,000	
Fishes	sturgeon, shortnose	Acipenser brevirostrum	E	10,700	
Fishes	sturgeon, white	Acipenser transmontanus	E	250	
Fishes	sucker, June	Chasmistes liorus	E	1,000	
Fishes	sucker, Lost River	Deltistes luxatus	E		
Fishes	Sucker, Modoc	Catostomus microps	E		
Fishes	sucker, razorback	Xyrauchen texanus	E	109,000	
Fishes	sucker, Santa Ana	Catostomus santaanae	T	21,000	
Fishes	Sucker, shortnose	Chasmistes brevirostris	E		

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Fishes	sucker, Warner	Catostomus wamensis	T		
Fishes	topminnow, Gila	Poeciliopsis occidentalis	E	2,000	
Fishes	trout, Apache	Oncorhynchus apache	T	10,000	
Fishes	trout, bull	Salvelinus confluentus	T	509,500	
Fishes	trout, Gila	Oncorhynchus gilae	E	12,500	
Fishes	trout, coastal cutthroat	Oncorhynchus clarki clarki	DR	2000	
Fishes	trout, greenback cutthroat	Oncorhynchus clarki stomias	T		
Fishes	trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T	216,500	
Fishes	trout, Little Kern golden	Oncorhynchus aguabonita whitei	T		
Fishes	trout, Palute cutthroat	Oncorhynchus clarki seleniris	T	9,000	
Fishes	woundfin	Plagopterus argentissimus	E	100	
<b>Fishes Total</b>				2901550	
Clams	acomshell, southern	Epioblasma othcaloogensis	E		
Clams	bankclimber, purple	Elliptoideus sloatianus	T		
Clams	bean, Cumberland	Villosa trabalis	E	3,500	
Clams	bean, purple	Villosa perpurpurea	E		
Clams	blossom, green	Epioblasma torulosa gubernaculum	E		
Clams	blossom, tubercled	Epioblasma torulosa torulosa	E		
Clams	blossom, turgid	Epioblasma turgidula	E		
Clams	blossom, yellow	Epioblasma florentina florentina	E		
Clams	catspaw	Epioblasma obliquata obliquata	E		
Clams	catspaw, white	Epioblasma obliquata perobliqua	E		
Clams	clubshell	Pleurobema clava	E	100,000	
Clams	clubshell, black	Pleurobema curtum	E		
Clams	clubshell, ovate	Pleurobema perovatum	E	8,500	
Clams	clubshell, southern	Pleurobema decisum	E	8,500	
Clams	combshell, Cumberlandian	Epioblasma brevidens	E		
Clams	combshell, southern	Epioblasma penita	E	8,500	
Clams	combshell, upland	Epioblasma metastriata	E		
Clams	elktoe, Appalachian	Alasmidonta raveneliana	E	17,500	
Clams	elktoe, Cumberland	Alasmidonta atropurpurea	E		
Clams	fanshell	Cyprogenia stegaria	E		
Clams	fatmucket, Arkansas	Lampsilis powelli	T	7,000	
Clams	heelsplitter, Alabama	Potamilus inflatus	T		
Clams	heelsplitter, Carolina	Lasmigona decorata	E		
Clams	higgins eye	Lampsilis higginsii	E		
Clams	kidneyshell, triangular	Ptychobranchus greeni	E	8,500	
Clams	lampmussel, Alabama	Lampsilis virescens	E		
Clams	lilliput, pale	Toxolasma cylindrellus	E		
Clams	mapleleaf, winged	Quadrula fragosa	E		
Clams	moccasinshell, Alabama	Medionidus acutissimus	T	8,500	



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Clams	moccasinshell, Coosa	Medionidus parvulus	E		
Clams	moccasinshell, Gulf	Medionidus penicillatus	E		
Clams	moccasinshell, Ochlockonee	Medionidus simpsonianus	E		
Clams	monkeyface, Appalachian	Quadrula sparsa	E		
Clams	monkeyface, Cumberland	Quadrula intermedia	E		
Clams	mucket, orangenacre	Lampsilis perovalis	T	8,500	
Clams	mucket, pink	Lampsilis abrupta	E		
Clams	mussel, oyster	Epioblasma capsaeformis	E		
Clams	pearlshell, Louisiana	Margaritifera hembeli	T		
Clams	pearlymussel, birdwing	Conradilla caelata	E		
Clams	pearlymussel, cracking	Hemistena lata	E		
Clams	pearlymussel, Curtis	Epioblasma florentina curtisii	E		
Clams	pearlymussel, dromedary	Dromus dromas	E		
Clams	pearlymussel, littlewing	Pegias fabula	E	3,500	
Clams	pearlymussel, white wartyback	Plethobasus cicatricosus	E		
Clams	pigtoe, Cumberland	Pleurobema gibberum	E		
Clams	pigtoe, dark	Pleurobema furvum	E	8,500	
Clams	pigtoe, finerayed	Fusconaia cuneolus	E		
Clams	pigtoe, flat	Pleurobema marshalli	E		
Clams	pigtoe, heavy	Pleurobema taitianum	E		
Clams	pigtoe, oval	Pleurobema pyriforme	E		
Clams	pigtoe, rough	Pleurobema plenum	E		
Clams	pigtoe, shiny	Fusconaia cor	E		
Clams	pigtoe, southern	Pleurobema georgianum	E	8,500	
Clams	pimpleback, orangefoot	Plethobasus cooperianus	E		
Clams	pocketbook, fat	Potamilus capax	E		
Clams	pocketbook, finelined	Lampsilis altilis	T	8,500	
Clams	pocketbook, Ouachita rock	Arkansia wheeleri	E	7,000	
Clams	pocketbook, shinyrayed	Lampsilis subangulata	E		
Clams	pocketbook, speckled	Lampsilis streckeri	E		
Clams	rabbitsfoot, rough	Quadrula cylindrica strigillata	E		
Clams	riffleshell, northern	Epioblasma torulosa rangiana	E	100,000	
Clams	riffleshell, tan	Epioblasma florentina walkeri	E		
Clams	ring pink	Obovaria retusa	E	3,845	
Clams	slabshell, Chipola	Elliptio chipolaensis	T		
Clams	spinymussel, James	Pleurobema collina	E	2,510	
Clams	spinymussel, Tar River	Elliptio steinstansana	E		
Clams	stirupshell	Quadrula stapes	E		
Clams	three-ridge, fat	Amblema neislerii	E		
Clams	wedgemussel, dwarf	Alasmidonta heterodon	E		
<b>Clams Total</b>				<b>321355</b>	

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Snails	ambersnail, Kanab	Oxyloma haydeni kanabensis	E		
Snails	campeloma, slender	Campeloma decampi	E		
Snails	elimia, lacy	Elimia crenatella	T		
Snails	limpet, Banbury Springs	Lanx sp.	E		
Snails	lioplax, cylindrical	Lioplax cyclostomaformis	E		
Snails	marstonia, royal	Pyrgulopsis ogmorhaphe	E		
Snails	pebblesnail, flat	Lepyrium showalteri	E		
Snails	riversnail, Anthony's	Atheamia anthonyi	E		
Snails	rocksnail, painted	Leptoxis taeniata	T		
Snails	rocksnail, plicate	Leptoxis plicata	E		
Snails	rocksnail, round	Leptoxis ampla	T		
Snails	shagreen, Magazine Mountain	Mesodon magazinensis	T		
Snails	snail, armored	Pyrgulopsis pachyta	E		
Snails	snail, Bliss Rapids	Taylorconcha serpenticola	T		
Snails	snail, Chittenango ovate amber	Succinea chittenangoensis	T		
Snails	snail, flat-spined three-toothed	Triodopsis platysayoides	T		
Snails	snail, Iowa Pleistocene	Discus macclintocki	E		
Snails	snail, Morro shoulderband	Helminthoglypta walkeriana	E		
Snails	snail, Newcomb's	Erinna newcombi	T		
Snails	snail, noonday	Mesodon clarki nantahala	T		
Snails	snail, painted snake coiled forest	Anguispira picta	T		
Snails	snail, Snake River physa	Physa natricina	E		
Snails	snail, Stock Island tree	Orthalicus reses	T		
Snails	snail, tulotoma	Tulotoma magnifica	E		
Snails	snail, Utah valvata	Valvata utahensis	E		
Snails	snail, Virginia fringed mountain	Polygyriscus virginianus	E		
Snails	snails, Oahu tree	Achatinella spp.	E		
Snails	springsnail, Alamosa	Tryonia alamosae	E		
Snails	springsnail, Bruneau Hot	Pyrgulopsis bruneauensis	E		
Snails	springsnail, Idaho	Fontelicella idahoensis	E		
Snails	springsnail, Socorro	Pyrgulopsis neomexicana	E		
<b>Snails Total</b>				0	
Insects	beetle, American burying	Nicrophorus americanus	E		
Insects	beetle, Coffin Cave mold	Batrisodes texanus	E		
Insects	beetle, Comal Springs dryopid	Stygoparnus comalensis	E		
Insects	beetle, Comal Springs riffle	Heterelmis comalensis	E		
Insects	beetle, delta green ground	Elaphrus viridis	T		
Insects	beetle, Hungerford's crawling water	Brychius hungerfordi	E		
Insects	beetle, Kretschmarr Cave mold	Texamaurops reddelli	E		
Insects	beetle, Mount Hermon June	Polyphylla barbata	E		
Insects	beetle, Tooth Cave ground	Rhadine persephone	E		

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Insects	beetle, valley elderberry longhorn	Desmocerus californicus dimorphus	T	21,500	
Insects	butterfly, bay checkerspot	Euphydryas editha bayensis	T		
Insects	butterfly, Behren's silverspot	Speyeria zerene behrensii	E		
Insects	butterfly, callippe silverspot	Speyeria callippe callippe	E		
Insects	butterfly, El Segundo blue	Euphilotes battoides allyni	E		
Insects	butterfly, Fender's blue	Icaricia icarioides fenderi	E		
Insects	butterfly, Kamea blue	Lycaeides melissa samuelis	E	10,000	
Insects	butterfly, Lange's metalmark	Apodemia mormo langei	E		
Insects	butterfly, lotis blue	Lycaeides argyrognomon lotis	E		
Insects	butterfly, mission blue	Icaricia icarioides missionensis	E		
Insects	butterfly, Mitchell's satyr	Neonympha mitchellii mitchellii	E		
Insects	butterfly, Myrtle's silverspot	Speyeria zerene myrtleae	E		
Insects	butterfly, Oregon silverspot	Speyeria zerene hippolyta	T		
Insects	butterfly, Palos Verdes blue	Glaucopsyche lygdamus palosverdesensis	E		
Insects	butterfly, Quino checkerspot	Euphydryas editha quino	E		
Insects	butterfly, Saint Francis' satyr	Neonympha mitchellii francisci	E		
Insects	butterfly, San Bruno elfin	Callophrys mossii bayensis	E		
Insects	butterfly, Schaus swallowtail	Heraclides aristodemus ponceanus	E		
Insects	butterfly, Smith's blue	Euphilotes enoptes smithi	E	39,500	
Insects	butterfly, Uncompahgre fritillary	Boloria acrocneuma	E	118,500	
Insects	dragonfly, Hine's emerald	Somatochlora hineana	E	8,000	
Insects	fly, Delhi Sands flower-loving	Rhaphiomidas terminatus abdominalis	E		
Insects	grasshopper, Zayante band-winged	Trimerotropis infantilis	E		
Insects	moth, Blackburn's sphinx	Manduca blackburni	E		
Insects	moth, Kern primrose sphinx	Euproserpinus euterpe	T	7,000	
Insects	naucorid, Ash Meadows	Ambrysus amargosus	T		
Insects	skipper, Laguna Mountains	Pyrgus ruralis lagunae	E	75,000	
Insects	skipper, Pawnee montane	Hesperia leonardus montana	T		
Insects	tiger beetle, northeastern beach	Cicindela dorsalis dorsalis	T		
Insects	tiger beetle, Puritan	Cicindela puritana	T		
<b>Insects Total</b>				279,500	
Arachnids	harvestman, Bee Creek Cave	Texella reddelli	E		
Arachnids	harvestman, Bone Cave	Texella reyesi	E		
Arachnids	pseudoscorpion, Tooth Cave	Tartarocreagris texana	E		
Arachnids	spider, Kauai cave wolf or pe'e pe'e maka 'ole	Adelocosa anops	E		
Arachnids	spider, spruce-fir moss	Microhexura montivaga	E		
Arachnids	spider, Tooth Cave	Neoleptoneta myopica	E		
<b>Arachnids Total</b>				0	
Crustaceans	amphipod, Hay's Spring	Stygobromus hayi	E		
Crustaceans	amphipod, Illinois cave	Gammarus acherondytes	E		
Crustaceans	amphipod, Kauai cave	Spelaeorchestia koloana	E		

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Crustaceans	amphipod, Peck's cave	Stygobromus pecki	E		
Crustaceans	crayfish, cave	Cambarus zophonastes	E		
Crustaceans	crayfish, cave	Cambarus aculabrum	E		
Crustaceans	crayfish, Nashville	Orconectes shoupi	E		
Crustaceans	crayfish, Shasta	Pacifastacus fortis	E		
Crustaceans	fairy shrimp, Conservancy	Branchinecta conservatio	E		
Crustaceans	fairy shrimp, longhorn	Branchinecta longiantenna	E		
Crustaceans	fairy shrimp, Riverside	Streptocephalus woottoni	E		
Crustaceans	fairy shrimp, San Diego	Branchinecta sandiegonensis	E		
Crustaceans	fairy shrimp, vernal pool	Branchinecta lynchi	T		
Crustaceans	isopod, Lee County cave	Lirceus usdagalun	E		
Crustaceans	isopod, Madison Cave	Antrolana lira	T		
Crustaceans	isopod, Socorro	Thermosphaeroma thermophilus	E		
Crustaceans	shrimp, Alabama cave	Palaemonias alabamae	E		
Crustaceans	shrimp, California freshwater	Syncaris pacifica	E		
Crustaceans	shrimp, Kentucky cave	Palaemonias ganteri	E		
Crustaceans	shrimp, Squirrel Chimney Cave	Palaemonetes cummingi	T		
Crustaceans	tadpole shrimp, vernal pool	Lepidurus packardi	E		
<b>Crustaceans Total</b>				0	
Flowering Plants	a'e	Zanthoxylum hawaiiense	E		
Flowering Plants	a'e	Zanthoxylum dipetalum tomentosum	E		
Flowering Plants	agave, Arizona	Agave arizonica	E		
Flowering Plants	aiea	Nothocestrum breviflorum	E	20,000	
Flowering Plants	aiea	Nothocestrum peltatum	E		
Flowering Plants	akoko	Euphorbia haelealeana	E		
Flowering Plants	akoko	Chamaesyce rockii	E		
Flowering Plants	akoko	Chamaesyce herbstii	E		
Flowering Plants	akoko	Chamaesyce kuwaleana	E		
Flowering Plants	akoko	Chamaesyce celastroides kaenana	E		
Flowering Plants	akoko	Chamaesyce halemanui	E		
Flowering Plants	akoko	Chamaesyce deppeana	E		
Flowering Plants	akoko, Ewa Plains	Chamaesyce skottsbergii kalaeloana	E		
Flowering Plants	alani	Melicope saint-johnii	E		
Flowering Plants	alani	Melicope ovalis	E		
Flowering Plants	alani	Melicope adscendens	E		
Flowering Plants	alani	Melicope zahlbruckneri	E		
Flowering Plants	alani	Melicope reflexa	E		
Flowering Plants	alani	Melicope quadrangularis	E		
Flowering Plants	alani	Melicope pallida	E		
Flowering Plants	alani	Melicope munroi	E		
Flowering Plants	alani	Melicope balloui	E		

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Flowering Plants	alani	Melicope knudsenii	E		
Flowering Plants	alani	Melicope lydgatei	E		
Flowering Plants	alani	Melicope mucronulata	E		
Flowering Plants	alani	Melicope haupuensis	E		
Flowering Plants	allocarya, Callistoga	Plagiobothrys strictus	E		
Flowering Plants	alopecurus, Sonoma	Alopecurus aequalis sonomensis	E		
Flowering Plants	amaranth, seabeach	Amaranthus pumilus	T		
Flowering Plants	ambrosia, south Texas	Ambrosia cheiranthifolia	E		
Flowering Plants	amole, purple	Chlorogalum purpureum	T		
Flowering Plants	amphianthus, little	Amphianthus pusillus	T		
Flowering Plants	'anaunau	Lepidium arbuscula	E		
Flowering Plants	'anunu	Sicyos alba	E		
Flowering Plants	arrowhead, bunched	Sagittaria fasciculata	E		
Flowering Plants	aster, decurrent false	Boltonia decurrens	T		
Flowering Plants	aster, Florida golden	Chrysopsis floridana	E		
Flowering Plants	aster, Ruth's golden	Pityopsis ruthii	E		
Flowering Plants	aupaka	Isodendron laurifolium	E		
Flowering Plants	aupaka	Isodendron longifolium	T		
Flowering Plants	aupaka	Isodendron hosakae	E		
Flowering Plants	avens, spreading	Geum radiatum	E		
Flowering Plants	'awikiwiki	Canavalia molokaiensis	E		
Flowering Plants	awiwi	Hedyotis cookiana	E		
Flowering Plants	awiwi	Centaurium sebaeoides	E		
Flowering Plants	ayenia, Texas	Ayenia limitaris	E		
Flowering Plants	Baccharis, Encinitas	Baccharis vanessae	T		
Flowering Plants	barberry, island	Berberis pinnata insularis	E		
Flowering Plants	barberry, Nevin's	Berberis nevinii	E	2,000	
Flowering Plants	barberry, Truckee	Berberis sonnei	E		
Flowering Plants	bariaco	Trichilia triacantha	E		
Flowering Plants	beaked-rush, Knieskem's	Rhynchospora knieskernii	T		
Flowering Plants	bear-poppy, dwarf	Arctomecon humilis	E		
Flowering Plants	beardtongue, Penland	Penstemon penlandii	E		
Flowering Plants	beargrass, Britton's	Nolina brittoniana	E		
Flowering Plants	beauty, Harper's	Harperocalis flava	E	12,000	
Flowering Plants	bedstraw, El Dorado	Galium californicum sierrae	E		
Flowering Plants	bedstraw, island	Galium buxifolium	E		
Flowering Plants	bellflower, Brooksville	Campanula robinsiae	E		
Flowering Plants	birch, Virginia round-leaf	Betula uber	T	1,400	
Flowering Plants	bird's beak, palmate-bracted	Cordylanthus palmatus	E		
Flowering Plants	bird's-beak, Pennell's	Cordylanthus tenuis capillaris	E		
Flowering Plants	bird's-beak, salt marsh	Cordylanthus maritimus maritimus	E		

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Flowering Plants	bird's-beak, soft	Cordylanthus mollis mollis	E		
Flowering Plants	birds-in-a-nest, white	Macbridea alba	T	12,000	
Flowering Plants	bittercress, small-anthered	Cardamine micranthera	E		
Flowering Plants	bladderpod, Dudley Bluffs	Lesquerella congesta	T		
Flowering Plants	bladderpod, kodachrome	Lesquerella tumulosa	E		
Flowering Plants	bladderpod, lyrate	Lesquerella lyrata	T		
Flowering Plants	bladderpod, Missouri	Lesquerella filiformis	E		
Flowering Plants	bladderpod, San Bernardino Mountains	Lesquerella kingii bernardina	E	119,000	
Flowering Plants	bladderpod, Spring Creek	Lesquerella perforata	E		
Flowering Plants	bladderpod, white	Lesquerella pallida	E		
Flowering Plants	bladderpod, Zapata	Lesquerella thamnophila	E		
Flowering Plants	blazingstar, Ash Meadows	Mentzelia leucophylla	T		
Flowering Plants	blazingstar, Heller's	Liatris helleri	T		
Flowering Plants	blazingstar, scrub	Liatris ohlingerae	E		
Flowering Plants	blue-star, Kearney's	Amsonia keameyana	E		
Flowering Plants	bluecurls, Hidden Lake	Trichostema austromontanum compactum	T		
Flowering Plants	bluegrass, Hawaiian	Poa sandvicensis	E		
Flowering Plants	bluegrass, Mann's	Poa mannii	E		
Flowering Plants	bluegrass, Napa	Poa napensis	E		
Flowering Plants	bluegrass, San Bernardino	Poa atropurpurea	E	35,000	
Flowering Plants	bluet, Roan Mountain	Hedyotis purpurea montana	E		
Flowering Plants	bonamia, Florida	Bonamia grandiflora	T		
Flowering Plants	boxwood, Vahl's	Buxus vahlii	E		
Flowering Plants	brodiaea, Chinese Camp	Brodiaea pallida	T		
Flowering Plants	brodiaea, thread-leaved	Brodiaea filifolia	T	2,000	
Flowering Plants	broom, San Clemente Island	Lotus dendroideus traskiae	E		
Flowering Plants	buckwheat, cushionbury	Eriogonum ovalifolium vineum	E	115,000	
Flowering Plants	buckwheat, lone	Eriogonum apricum	E		
Flowering Plants	buckwheat, scrub	Eriogonum longifolium gnaphalifolium	T		
Flowering Plants	buckwheat, steamboat	Eriogonum ovalifolium williamsiae	E		
Flowering Plants	bulrush, Northeastern	Scirpus ancistrochaetus	E		
Flowering Plants	bush-clover, prairie	Lespedeza leptostachya	T		
Flowering Plants	bush-mallow, San Clemente Island	Malacothamnus clementinus	E		
Flowering Plants	bush-mallow, Santa Cruz Island	Malacothamnus fasciculatus nesioticus	E		
Flowering Plants	buttercup, autumn	Ranunculus acrifolius aestivalis	E		
Flowering Plants	butterweed, Layne's	Senecio layneae	T	1,200	
Flowering Plants	butterwort, Godfrey's	Pinguicula ionantha	T		
Flowering Plants	button, Mohr's Barbara	Marshallia mohrii	T		
Flowering Plants	button-celery, San Diego	Eryngium aristulatum parishii	E		
Flowering Plants	cactus, Arizona hedgehog	Echinocereus triglochidiatus arizonicus	E		
Flowering Plants	cactus, Bakersfield	Opuntia treleasei	E		

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Flowering Plants	cactus, black lace	Echinocereus reichenbachii albertii	E		
Flowering Plants	cactus, Brady pincushion	Pediocactus bradyi	E		
Flowering Plants	cactus, Chisos Mtn. hedgehog	Echinocereus chisoensis chisoensis	T		
Flowering Plants	cactus, Cochise pincushion	Coryphantha robbinsorum	T	100	
Flowering Plants	cactus, Key tree	Pilosocereus robinii	E		
Flowering Plants	cactus, Knowlton	Pediocactus knowltonii	E		
Flowering Plants	cactus, Kuenzler hedgehog	Echinocereus fendleri kuenzleri	E		
Flowering Plants	cactus, Lee pincushion	Coryphantha sneedii leeii	T		
Flowering Plants	cactus, Lloyd's Mariposa	Echinomastus mariposensis	T		
Flowering Plants	cactus, Mesa Verde	Sclerocactus mesae-verdae	T		
Flowering Plants	cactus, Nellie cory	Coryphantha minima	E		
Flowering Plants	cactus, Nichol's Turk's head	Echinocactus horizontalionius nicholii	E		
Flowering Plants	cactus, Peebles Navajo	Pediocactus peeblesianus peeblesianus	E		
Flowering Plants	cactus, Pima pineapple	Coryphantha scheeri robustispina	E	29,500	
Flowering Plants	cactus, San Rafael	Pediocactus despainii	E		
Flowering Plants	cactus, Siler pincushion	Pediocactus sileri	T		
Flowering Plants	cactus, Sneed pincushion	Coryphantha sneedii sneedii	E		
Flowering Plants	cactus, star	Astrophytum asterias	E		
Flowering Plants	cactus, Tobusch fishhook	Ancistrocactus tobuschii	E		
Flowering Plants	cactus, Unita Basin hookless	Sclerocactus glaucus	T		
Flowering Plants	cactus, Winkler	Pediocactus winkleri	T		
Flowering Plants	cactus, Wright fishhook	Sclerocactus wrightiae	E		
Flowering Plants	campion, fringed	Silene polypetala	E		
Flowering Plants	capa rosa	Callicarpa ampla	E		
Flowering Plants	cat's-eye, Terlingua Creek	Cryptantha crassipes	E		
Flowering Plants	ceanothus, coyote	Ceanothus ferrisae	E		
Flowering Plants	ceanothus, Pine Hill	Ceanothus roderickii	E		
Flowering Plants	ceanothus, Vail Lake	Ceanothus ophiochilus	T		
Flowering Plants	centaury, spring-loving	Centaurium namophilum	T		
Flowering Plants	chaff-flower, round-leaved	Achyranthes splendens rotundata	E		
Flowering Plants	chaffseed, American	Schwalbea americana	E	12,000	
Flowering Plants	Checker-mallow, Keck's	Sidalcea keckii	E		
Flowering Plants	checker-mallow, Kenwood Marsh	Sidalcea oregana valida	E		
Flowering Plants	checker-mallow, Nelson's	Sidalcea nelsoniana	T		
Flowering Plants	checker-mallow, pedate	Sidalcea pedata	E	30,000	
Flowering Plants	checkermallow, Wenatchee Mountains	Sidalcea oregana calva	E	9,000	
Flowering Plants	chupacallos	Pleodendron macranthum	E		
Flowering Plants	cinquefoil, Robbins'	Potentilla robbinsiana	E	500	
Flowering Plants	clarkia, Pismo	Clarkia speciosa immaculata	E		
Flowering Plants	clarkia, Presidio	Clarkia franciscana	E		
Flowering Plants	clarkia, Springville	Clarkia springvillensis	T	8,000	

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Flowering Plants	clarkia, Vine Hill	Clarkia imbricata	E		
Flowering Plants	cliff-rose, Arizona	Purshia subintegra	E	100	
Flowering Plants	clover, Monterey	Trifolium trichocalyx	E		
Flowering Plants	clover, running buffalo	Trifolium stoloniferum	E	45,500	
Flowering Plants	clover, showy Indian	Trifolium amoenum	E		
Flowering Plants	cobana negra	Stahlia monosperma	T		
Flowering Plants	coneflower, smooth	Echinacea laevigata	E	12,000	
Flowering Plants	coneflower, Tennessee purple	Echinacea tennesseensis	E		
Flowering Plants	cory cactus, bunched	Coryphantha ramillosa	T		
Flowering Plants	cress, toad-flax	Schoenocrambe suffrutescens	E		
Flowering Plants	crownbeard, big-leaved	Verbesina dissita	T		
Flowering Plants	crownscale, San Jacinto Valley	Atriplex coronata notatior	E		
Flowering Plants	cycladenia, Jones	Cycladenia humilis jonesii	T		
Flowering Plants	daisy, lakeside	Hymenoxys herbacea	T	8,000	
Flowering Plants	daisy, Maguire	Erigeron maguirei	T	10,000	
Flowering Plants	daisy, Parish's	Erigeron parishii	T	130,000	
Flowering Plants	daisy, Willamette	Erigeron decumbens decumbens	E		
Flowering Plants	dawn-flower, Texas prairie	Hymenoxys texana	E		
Flowering Plants	dogweed, ashy	Thymophylla tephroleuca	E		
Flowering Plants	dropwort, Canby's	Oxypolis canbyi	E	12,000	
Flowering Plants	dudleya, Conejo	Dudleya abramsii parva	T		
Flowering Plants	dudleya, marcescent	Dudleya cymosa marcescens	T		
Flowering Plants	dudleya, Santa Clara Valley	Dudleya setchellii	E		
Flowering Plants	dudleya, Santa Cruz Island	Dudleya nesiotica	T		
Flowering Plants	dudleya, Verity's	Dudleya verityi	T		
Flowering Plants	dudleya, Santa Monica Mountains	Dudleya cymosa ovatifolia	T		
Flowering Plants	dwarf-flax, Marin	Hesperolinon congestum	T		
Flowering Plants	erubia	Solanum drymophilum	E		
Flowering Plants	evening-primrose, Antioch Dunes	Oenothera deltoides howellii	E		
Flowering Plants	evening-primrose, Eureka Valley	Oenothera avita eurekaensis	E		
Flowering Plants	evening-primrose, San Benito	Camissonia benitensis	T		
Flowering Plants	fiddleneck, large-flowered	Amsinckia grandiflora	E		
Flowering Plants	flannelbush, Mexican	Fremontodendron mexicanum	E		
Flowering Plants	flannelbush, Pine Hill	Fremontodendron californicum decumbens	E		
Flowering Plants	fleabane, Zuni	Erigeron rhizomatus	T	200	
Flowering Plants	four-o'clock, MacFarlane's	Mirabilis macfarlanei	T	6,000	
Flowering Plants	frankenia, Johnston's	Frankenia johnstonii	E		
Flowering Plants	fringe-tree, pygmy	Chionanthus pygmaeus	E		
Flowering Plants	fringepod, Santa Cruz Island	Thysanocarpus conchuliferus	E		
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E		
Flowering Plants	gardenia, Hawaiian	Gardenia brighamii	E		



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Flowering Plants	geranium, Hawaiian red-flowered	Geranium arboreum	E		
Flowering Plants	gerardia, sandplain	Agalinis acuta	E		
Flowering Plants	gilia, Hoffmann's slender-flowered	Gilia tenuiflora hoffmannii	E		
Flowering Plants	gilia, Monterey	Gilia tenuiflora arenaria	E		
Flowering Plants	goetzea, beautiful	Goetzea elegans	E		
Flowering Plants	goldenrod, Blue Ridge	Solidago spithamaea	T		
Flowering Plants	goldenrod, Houghton's	Solidago houghtonii	T		
Flowering Plants	goldenrod, Short's	Solidago shortii	E		
Flowering Plants	goldenrod, white-haired	Solidago albopilosa	T	4,500	
Flowering Plants	goldfields, Burke's	Lasthenia burkei	E		
Flowering Plants	goldfields, Contra Costa	Lasthenia conjugens	E		
Flowering Plants	gooseberry, Miccosukee	Ribes echinellum	T		
Flowering Plants	gourd, Okeechobee	Cucurbita okeechobeensis okeechobeensis	E		
Flowering Plants	grass, California Orcutt	Orcuttia californica	E		
Flowering Plants	grass, Colusa	Neostapfia colusana	T		
Flowering Plants	grass, Eureka Dune	Swallenia alexandrae	E		
Flowering Plants	grass, Solano	Tuctoria mucronata	E		
Flowering Plants	grass, Tennessee yellow-eyed	Xyris tennesseensis	E		
Flowering Plants	ground-plum, Pyne's	Astragalus bibullatus	E		
Flowering Plants	groundsel, San Francisco Peaks	Senecio franciscanus	T		
Flowering Plants	gumplant, Ash Meadows	Grindelia fraxino-pratensis	T		
Flowering Plants	haha	Cyanea humboldtiana	E		
Flowering Plants	haha	Cyanea crispa	E		
Flowering Plants	haha	Cyanea grimesiana grimesiana	E		
Flowering Plants	haha	Cyanea shipmannii	E	8,000	
Flowering Plants	haha	Cyanea superba	E		
Flowering Plants	haha	Cyanea st-johnii	E		
Flowering Plants	haha	Cyanea mceldowneyi	E		
Flowering Plants	haha	Cyanea undulata	E		
Flowering Plants	haha	Cyanea truncata	E		
Flowering Plants	haha	Cyanea recta	T		
Flowering Plants	haha	Cyanea procera	E		
Flowering Plants	haha	Cyanea mannii	E		
Flowering Plants	haha	Cyanea glabra	E		
Flowering Plants	haha	Cyanea dunbarii	E		
Flowering Plants	haha	Cyanea copelandii copelandii	E		
Flowering Plants	haha	Cyanea asarifolia	E		
Flowering Plants	haha	Cyanea hamatiflora hamatiflora	E		
Flowering Plants	haha	Cyanea copelandii haleakalaensis	E		
Flowering Plants	haha	Cyanea longiflora	E		
Flowering Plants	haha	Cyanea koolauensis	E		

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Flowering Plants	haha	Cyanea remyi	E		
Flowering Plants	haha	Cyanea acuminata	E		
Flowering Plants	haha	Cyanea macrostegia gibsonii	E		
Flowering Plants	haha	Cyanea lobata	E		
Flowering Plants	haha	Cyanea hamatiflora carsonii	E		
Flowering Plants	haha	Cyanea grimesiana obatae	E		
Flowering Plants	haha	Cyanea stictophylla	E		
Flowering Plants	haha	Cyanea platyphylla	E		
Flowering Plants	haha	Cyanea pinnatifida	E		
Flowering Plants	ha'iwale	Cyrtandra dentata	E		
Flowering Plants	ha'iwale	Cyrtandra viridiflora	E		
Flowering Plants	ha'iwale	Cyrtandra tintinnabula	E		
Flowering Plants	ha'iwale	Cyrtandra limahuliensis	T		
Flowering Plants	ha'iwale	Cyrtandra giffardii	E		
Flowering Plants	ha'iwale	Cyrtandra munroi	E		
Flowering Plants	ha'iwale	Cyrtandra crenata	E		
Flowering Plants	ha'iwale	Cyrtandra polyantha	E		
Flowering Plants	ha'iwale	Cyrtandra subumbellata	E		
Flowering Plants	hala pepe	Pleomele hawaiiensis	E	20,000	
Flowering Plants	harebells, Avon Park	Crotalaria avonensis	E		
Flowering Plants	harperella	Ptilimnium nodosum	E	11,000	
Flowering Plants	hau kuahiwi	Hibiscadelphus giffardianus	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus hualalaiensis	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus woodii	E		
Flowering Plants	heartleaf, dwarf-flowered	Hexastylis naniflora	T	14,000	
Flowering Plants	heather, mountain golden	Hudsonia montana	T		
Flowering Plants	heau	Exocarpos luteolus	E		
Flowering Plants	hedyotis, Na Pali beach	Hedyotis st.-johnii	E		
Flowering Plants	hibiscus, Clay's	Hibiscus clayi	E		
Flowering Plants	higo, chumbo	Harrisia portoricensis	T		
Flowering Plants	higuero de sierra	Crescentia portoricensis	E		
Flowering Plants	holei	Ochrosia kilauaeensis	E		
Flowering Plants	holly, Cook's	Ilex cookii	E		
Flowering Plants	Honohono	Haplostachys haplostachya	E		
Flowering Plants	howellia, water	Howellia aquatilis	T	16,000	
Flowering Plants	hypericum, highlands scrub	Hypericum cumulicola	E		
Flowering Plants	iliau, dwarf	Wilkesia hobdyi	E		
Flowering Plants	indian paintbrush, San Clemente Island	Castilleja grisea	E		
Flowering Plants	ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E		
Flowering Plants	iris, dwarf lake	Iris lacustris	T		
Flowering Plants	irissette, white	Sisyrinchium dichotomum	E		

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Flowering Plants	ischaemum, Hilo	Ischaemum byrone	E		
Flowering Plants	ivesia, Ash Meadows	Ivesia kingii eremica	T		
Flowering Plants	jacquemontia, beach	Jacquemontia reclinata	E		
Flowering Plants	jewelflower, California	Caulanthus californicus	E		
Flowering Plants	jewelflower, Metcalf Canyon	Streptanthus albidus albidus	E		
Flowering Plants	jewelflower, Tiburon	Streptanthus niger	E		
Flowering Plants	joint-vetch, sensitive	Aeschynomene virginica	T		
Flowering Plants	kamakahala	Labordia triflora	E		
Flowering Plants	kamakahala	Labordia tinifolia wahiawaensis	E		
Flowering Plants	kamakahala	Labordia tinifolia lanaiensis	E		
Flowering Plants	kamakahala	Labordia lydgatei	E		
Flowering Plants	kamakahala	Labordia cyrtandrae	E		
Flowering Plants	kauai hau kuaihiwi	Hibiscadelphus distans	E		
Flowering Plants	kaulila	Colubrina oppositifolia	E		
Flowering Plants	kaulu	Pteralyxia kauaiensis	E		
Flowering Plants	kio`ele	Hedyotis coriacea	E		
Flowering Plants	kiponapona	Phyllostegia racemosa	E	8,000	
Flowering Plants	kohe malama malama o kanaloa	Kanaloa kahoolawensis	E		
Flowering Plants	koki`o	Kokia drynarioides	E	20,000	
Flowering Plants	koki`o ke`oke`o	Hibiscus waimeae hannerae	E		
Flowering Plants	koki`o ke`oke`o	Hibiscus amottianus immaculatus	E		
Flowering Plants	koki`o, (=Cooke's koki`o)	Kokia cookei	E		
Flowering Plants	koki`o, (=Kaua`i koki`o)	Kokia kauaiensis	E		
Flowering Plants	kolea	Myrsine linearifolia	T		
Flowering Plants	kolea	Myrsine juddii	E		
Flowering Plants	ko`oko`olau	Bidens micrantha kalealaha	E		
Flowering Plants	ko`oko`olau	Bidens wiebkei	E		
Flowering Plants	ko`oloa`ula	Abutilon menziesii	E		
Flowering Plants	Kopa	Hedyotis schlechtendahlana remyi	E		
Flowering Plants	kuaihiwi laukahi	Plantago princeps	E		
Flowering Plants	kuaihiwi laukahi	Plantago hawaiiensis	E		
Flowering Plants	kuawawaenohu	Alsinidendron lychnoides	E		
Flowering Plants	kula wahine noho	Isodendron pyriform	E		
Flowering Plants	kulu`i	Nototrichium humile	E		
Flowering Plants	ladies'-tresses, Canelo Hills	Spiranthes delitescens	E	23,500	
Flowering Plants	ladies'-tresses, Navasota	Spiranthes parksii	E	4,000	
Flowering Plants	ladies'-tresses, Ute	Spiranthes diluvialis	T	20,000	
Flowering Plants	Lagu, Hyan	Serianthes nelsonii	E		
Flowering Plants	larkspur, Baker's	Delphinium bakeri	E		
Flowering Plants	larkspur, San Clemente Island	Delphinium variegatum kinkiense	E		
Flowering Plants	larkspur, yellow	Delphinium luteum	E		

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Flowering Plants	lau`ehu	<i>Panicum niihauense</i>	E		
Flowering Plants	lauhilihi, (=Ma`oli`oli)	<i>Schiedea stellarioides</i>	E		
Flowering Plants	layia, beach	<i>Layia carnosa</i>	E		
Flowering Plants	lead-plant, Crenulate	<i>Amorpha crenulata</i>	E		
Flowering Plants	leather flower, Alabama	<i>Clematis socialis</i>	E		
Flowering Plants	leather flower, Morefield's	<i>Clematis morefieldii</i>	E		
Flowering Plants	lessingia, San Francisco	<i>Lessingia germanorum</i>	E		
Flowering Plants	liliwai	<i>Acaena exigua</i>	E		
Flowering Plants	lily, Minnesota dwarf trout	<i>Erythronium propullans</i>	E		
Flowering Plants	lily, Pitkin Marsh	<i>Lilium pardalinum pitkinense</i>	E		
Flowering Plants	lily, Western	<i>Lilium occidentale</i>	E		
Flowering Plants	liveforever, Laguna Beach	<i>Dudleya stolonifera</i>	T		
Flowering Plants	liveforever, Santa Barbara Island	<i>Dudleya traskiae</i>	E		
Flowering Plants	locoweed, Fassett's	<i>Oxytropis campestris chartacea</i>	T		
Flowering Plants	lomatium, Bradshaw's	<i>Lomatium bradshawii</i>	E		
Flowering Plants	loosestrife, rough-leaved	<i>Lysimachia asperulaefolia</i>	E	7,500	
Flowering Plants	lo`ulu	<i>Pritchardia remota</i>	E		
Flowering Plants	lo`ulu	<i>Pritchardia kaalae</i>	E		
Flowering Plants	lo`ulu	<i>Pritchardia munroi</i>	E		
Flowering Plants	lo`ulu	<i>Pritchardia schattaueri</i>	E		
Flowering Plants	lo`ulu	<i>Pritchardia affinis</i>	E		
Flowering Plants	lo`ulu	<i>Pritchardia viscosa</i>	E		
Flowering Plants	lo`ulu	<i>Pritchardia napaliensis</i>	E		
Flowering Plants	lo`ulu, (=wahane)	<i>Pritchardia aylmer-robinsonii</i>	E		
Flowering Plants	lousewort, Furbish	<i>Pedicularis furbishiae</i>	E		
Flowering Plants	love grass, Fosberg's	<i>Eragrostis fosbergii</i>	E		
Flowering Plants	lupine, clover	<i>Lupinus tidestromii</i>	E		
Flowering Plants	Lupine, Kincaid's	<i>Lupinus sulphureus kincaidii</i>	T	4,000	
Flowering Plants	lupine, Nipomo Mesa	<i>Lupinus nipomensis</i>	E		
Flowering Plants	lupine, scrub	<i>Lupinus aridorum</i>	E		
Flowering Plants	mahoe	<i>Alectryon macrococcus</i>	E		
Flowering Plants	makou	<i>Peucedanum sandwicense</i>	T		
Flowering Plants	malacothrix, island	<i>Malacothrix squalida</i>	E		
Flowering Plants	Malacothrix, Santa Cruz Island	<i>Malacothrix indecora</i>	E		
Flowering Plants	mallow, Kern	<i>Eremalche kemensis</i>	E		
Flowering Plants	mallow, Peter's Mountain	<i>Iliamna corei</i>	E		
Flowering Plants	manaca, palma de	<i>Calyptronoma rivalis</i>	T		
Flowering Plants	manioc, Walker's	<i>Manihot walkerae</i>	E		
Flowering Plants	manzanita, Del Mar	<i>Arctostaphylos glandulosa crassifolia</i>	E		
Flowering Plants	manzanita, lone	<i>Arctostaphylos myrtifolia</i>	T		
Flowering Plants	manzanita, Morro	<i>Arctostaphylos morroensis</i>	T		

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Flowering Plants	manzanita, pallid	Arctostaphylos pallida	T		
Flowering Plants	Manzanita, Presidio	Arctostaphylos hookeri ravenii	E		
Flowering Plants	manzanita, Santa Rosa Island	Arctostaphylos confertiflora	E		
Flowering Plants	ma' o hau hele, (=native yellow hibiscus)	Hibiscus brackenridgei	E		
Flowering Plants	ma' oli' oli	Schiedea kealiae	E		
Flowering Plants	ma' oli' oli	Schiedea apokremnos	E		
Flowering Plants	mapele	Cyrtandra cyaneoides	E		
Flowering Plants	mariposa lily, Tiburon	Calochortus tiburonensis	T		
Flowering Plants	maua	Xylosma crenatum	E		
Flowering Plants	meadowfoam, Butte County	Limnanthes floccosa californica	E		
Flowering Plants	meadowfoam, Sebastopol	Limnanthes vinculans	E		
Flowering Plants	meadowrue, Cooley's	Thalictrum cooleyi	E		
Flowering Plants	mehamehame	Flueggea neowawraea	E		
Flowering Plants	mesa-mint, Otay	Pogogyne nudiusscula	E		
Flowering Plants	mesa-mint, San Diego	Pogogyne abramsii	E		
Flowering Plants	milk-vetch, Applegate's	Astragalus applegatei	E		
Flowering Plants	milk-vetch, Ash meadows	Astragalus phoenix	T		
Flowering Plants	milk-vetch, Braunton's	Astragalus brauntonii	E		
Flowering Plants	milk-vetch, Clara Hunt's	Astragalus clarianus	E		
Flowering Plants	milk-vetch, Coachella Valley	Astragalus lentiginosus coachellae	E		
Flowering Plants	milk-vetch, coastal dunes	Astragalus tener titi	E		
Flowering Plants	milk-vetch, Cushenbury	Astragalus albens	E	129,000	
Flowering Plants	milk-vetch, Deseret	Astragalus desereticus	T		
Flowering Plants	milk-vetch, Fish Slough	Astragalus lentiginosus piscinensis	T		
Flowering Plants	milk-vetch, heliotrope	Astragalus montii	T	1,300	
Flowering Plants	milk-vetch, Jesup's	Astragalus robbinsii jesupi	E		
Flowering Plants	milk-vetch, Lane Mountain	Astragalus jaegerianus	E		
Flowering Plants	milk-vetch, Mancos	Astragalus humillimus	E		
Flowering Plants	milk-vetch, Osterhout	Astragalus osterhoutii	E		
Flowering Plants	milk-vetch, Peirson's	Astragalus magdalenae peirsonii	T		
Flowering Plants	milk-vetch, Sentry	Astragalus cremnophylax cremnophylax	E		
Flowering Plants	milk-vetch, triple-ribbed	Astragalus tricarinatus	E		
Flowering Plants	milkpea, Small's	Galactia smallii	E		
Flowering Plants	milkweed, Mead's	Asclepias meadii	T	23,000	
Flowering Plants	milkweed, Welsh's	Asclepias welshii	T		
Flowering Plants	mint, Garrett's	Dicerandra christmanii	E		
Flowering Plants	mint, Lakela's	Dicerandra immaculata	E		
Flowering Plants	mint, longspurred	Dicerandra comutissima	E		
Flowering Plants	mint, scrub	Dicerandra frutescens	E		
Flowering Plants	monardella, willow	Monardella linoides viminea	E		
Flowering Plants	monkey-flower, Michigan	Mimulus glabratus michiganensis	E		

Federal Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	monkshood, northern wild	Aconitum noveboracense	T		
Flowering Plants	moming-glory, Stebbins'	Calystegia stebbinsii	E		
Flowering Plants	mountain balm, Indian Knob	Eriodictyon altissimum	E		
Flowering Plants	mountain-mahogany, Catalina Island	Cercocarpus traskiae	E		
Flowering Plants	mustard, Carter's	Warea carteri	E		
Flowering Plants	mustard, Penland alpine fen	Eutrema penlandii	T		
Flowering Plants	mustard, slender-petaled	Thelypodium stenopetalum	E	41,000	
Flowering Plants	na'ena'e	Dubautia latifolia	E		
Flowering Plants	na'ena'e	Dubautia plantaginea humilis	E		
Flowering Plants	na'ena'e	Dubautia pauciflora	E		
Flowering Plants	na'ena'e	Dubautia herbstobatae	E		
Flowering Plants	nani wai'ale'ale	Viola kauaiensis wahiawaensis	E		
Flowering Plants	nanu	Gardenia mannii	E		
Flowering Plants	naupaka, dwarf	Scaevola coriacea	E		
Flowering Plants	navarretia, few-flowered	Navarretia leucocephala pauciflora	E		
Flowering Plants	navarretia, many-flowered	Navarretia leucocephala plieantha	E		
Flowering Plants	navarretia, spreading	Navarretia fossalis	T		
Flowering Plants	nehe	Lipochaeta fauriei	E		
Flowering Plants	nehe	Lipochaeta lobata leptophylla	E		
Flowering Plants	nehe	Lipochaeta kamolensis	E		
Flowering Plants	nehe	Lipochaeta waimeaensis	E		
Flowering Plants	nehe	Lipochaeta tenuifolia	E		
Flowering Plants	nehe	Lipochaeta micrantha	E		
Flowering Plants	nehe	Lipochaeta venosa	E		
Flowering Plants	nioi	Eugenia koolauensis	E		
Flowering Plants	niterwort, Amargosa	Nitrophila mohavensis	E		
Flowering Plants	No common name	Achyranthes mutica	E		
Flowering Plants	No common name	Lobelia gaudichaudii koolauensis	E		
Flowering Plants	No common name	Phyllostegia hirsuta	E		
Flowering Plants	No common name	Phyllostegia knudsenii	E		
Flowering Plants	No common name	Neraudia ovata	E		
Flowering Plants	No common name	Amaranthus brownii	E		
Flowering Plants	No common name	Phyllostegia parviflora	E		
Flowering Plants	No common name	Schiedea hookeri	E		
Flowering Plants	No common name	Bonamia menziesii	E	8,000	
Flowering Plants	No common name	Alsinidendron trinerve	E		
Flowering Plants	No common name	Alsinidendron obovatum	E		
Flowering Plants	No common name	Abutilon sandwicense	E		
Flowering Plants	No common name	Abutilon eremitopetalum	E		
Flowering Plants	No common name	Schiedea verticillata	E		
Flowering Plants	No common name	Schiedea sarmentosa	E		

Federal Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Schiedea membranacea	E		
Flowering Plants	No common name	Tetramolopium arenarium	E		
Flowering Plants	No common name	Stenogyne kanehoana	E		
Flowering Plants	No common name	Stenogyne angustifolia angustifolia	E		
Flowering Plants	No common name	Silene lanceolata	E		
Flowering Plants	No common name	Silene alexandri	E		
Flowering Plants	No common name	Schiedea kaalae	E		
Flowering Plants	No common name	Remya kauaiensis	E		
Flowering Plants	No common name	Phyllostegia glabra lanaiensis	E		
Flowering Plants	No common name	Lobelia niihauensis	E		
Flowering Plants	No common name	Hesperomannia lydgatei	E		
Flowering Plants	No common name	Hesperomannia arbuscula	E		
Flowering Plants	No common name	Hesperomannia arborescens	E		
Flowering Plants	No common name	Hedyotis parvula	E		
Flowering Plants	No common name	Hedyotis degeneri	E		
Flowering Plants	No common name	Gouania vitifolia	E		
Flowering Plants	No common name	Gouania meyenii	E		
Flowering Plants	No common name	Gouania hillebrandii	E		
Flowering Plants	No common name	Phyllostegia kaalaensis	E		
Flowering Plants	No common name	Eugenia woodburyana	E		
Flowering Plants	No common name	Phyllostegia mannii	E		
Flowering Plants	No common name	Ilex sintenisii	E		
Flowering Plants	No common name	Cranichis ricartii	E		
Flowering Plants	No common name	Vernonia proctorii	E		
Flowering Plants	No common name	Trematolobelia singularis	E		
Flowering Plants	No common name	Stenogyne campanulata	E		
Flowering Plants	No common name	Stenogyne bifida	E		
Flowering Plants	No common name	Spermolepis hawaiiensis	E		
Flowering Plants	No common name	Silene perlmanni	E		
Flowering Plants	No common name	Schiedea nuttallii	E		
Flowering Plants	No common name	Schiedea kauaiensis	E		
Flowering Plants	No common name	Sanicula mariversa	E		
Flowering Plants	No common name	Phyllostegia wawrana	E		
Flowering Plants	No common name	Phyllostegia warshaueri	E		
Flowering Plants	No common name	Phyllostegia velutina	E		
Flowering Plants	No common name	Phyllostegia waimeae	E		
Flowering Plants	No common name	Mariscus fauriei	E		
Flowering Plants	No common name	Lysimachia maxima	E		
Flowering Plants	No common name	Lysimachia lydgatei	E		
Flowering Plants	No common name	Lyonia truncata proctorii	E		
Flowering Plants	No common name	Leptocereus grantianus	E		

Federal Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Catesbaea melanocarpa	E		
Flowering Plants	No common name	Auerodendron pauciflorum	E		
Flowering Plants	No common name	Aristida chaseae	E		
Flowering Plants	No common name	Remya montgomeryi	E		
Flowering Plants	No common name	Alsinidendron viscosum	E		
Flowering Plants	No common name	Schoepfia arenaria	T		
Flowering Plants	No common name	Schiedea spergulina spergulina	T		
Flowering Plants	No common name	Schiedea spergulina leiopoda	E		
Flowering Plants	No common name	Schiedea lydgatei	E		
Flowering Plants	No common name	Schiedea helleri	E		
Flowering Plants	No common name	Schiedea haleakalensis	E		
Flowering Plants	No common name	Gesneria pauciflora	T		
Flowering Plants	No common name	Myrcia paganii	E		
Flowering Plants	No common name	Mariscus pennatiflorus	E		
Flowering Plants	No common name	Temstroemia subsessilis	E	15,500	
Flowering Plants	No common name	Silene hawaiiensis	T		
Flowering Plants	No common name	Poa siphonoglossa	E		
Flowering Plants	No common name	Platanthera holochila	E		
Flowering Plants	No common name	Phyllostegia mollis	E		
Flowering Plants	No common name	Mitracarpus polycladus	E		
Flowering Plants	No common name	Mitracarpus maxwelliae	E		
Flowering Plants	No common name	Lysimachia filifolia	E		
Flowering Plants	No common name	Lobelia monostachya	E		
Flowering Plants	No common name	Lepanthes eltoensis	E		
Flowering Plants	No common name	Daphnopsis hellerana	E		
Flowering Plants	No common name	Cordia bellonis	E		
Flowering Plants	No common name	Chamaecrista glandulosa mirabilis	E		
Flowering Plants	No common name	Calyptanthus thomasiana	E		
Flowering Plants	No common name	Viola oahuensis	E		
Flowering Plants	No common name	Viola lanaiensis	E		
Flowering Plants	No common name	Viola helenae	E		
Flowering Plants	No common name	Vigna o-wahuensis	E		
Flowering Plants	No common name	Tetramolopium rockii	T		
Flowering Plants	No common name	Tetramolopium remyi	E		
Flowering Plants	No common name	Tetramolopium lepidotum lepidotum	E		
Flowering Plants	No common name	Tetramolopium filiforme	E		
Flowering Plants	No common name	Neraudia sericea	E		
Flowering Plants	No common name	Neraudia angulata	E		
Flowering Plants	No common name	Munroidendron racemosum	E		
Flowering Plants	No common name	Lobelia oahuensis	E		
Flowering Plants	No common name	Geocarpon minimum	T		



Federally Listed Endangered and Threatened Wildlife and Plants

As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Gahnia lanaiensis	E		
Flowering Plants	No common name	Sanicula purpurea	E		
Flowering Plants	nohoanu	Geranium multiflorum	E		
Flowering Plants	oak, Hinckley	Quercus hinckleyi	T		
Flowering Plants	oha	Delissea rivularis	E		
Flowering Plants	oha	Delissea undulata	E		
Flowering Plants	oha	Delissea subcordata	E		
Flowering Plants	oha	Delissea rhytidosperra	E		
Flowering Plants	oha wai	Clermontia drepanomorpha	E		
Flowering Plants	oha wai	Clermontia samuelli	E		
Flowering Plants	oha wai	Clermontia oblongifolia mauiensis	E		
Flowering Plants	oha wai	Clermontia oblongifolia brevipes	E		
Flowering Plants	oha wai	Clermontia lindseyana	E	8,000	
Flowering Plants	oha wai	Clermontia pyrularia	E	8,000	
Flowering Plants	oha wai	Clermontia peleana	E		
Flowering Plants	ohai	Sesbania tomentosa	E		
Flowering Plants	ohe'ohe	Tetraplasandra gymnocarpa	E		
Flowering Plants	olulu	Brighamia insignis	E		
Flowering Plants	onion, Munz's	Allium munzii	E		
Flowering Plants	opuhe	Urera kaalae	E		
Flowering Plants	orchid, eastern prairie fringed	Platanthera leucophaea	T		
Flowering Plants	orchid, western prairie fringed	Platanthera praeclara	T	16,500	
Flowering Plants	orcutt grass, Greene's	Tuctoria greenei	E	3,000	
Flowering Plants	orcutt grass, hairy	Orcuttia pilosa	E		
Flowering Plants	orcutt grass, Sacramento	Orcuttia viscida	E		
Flowering Plants	orcutt grass, San Joaquin	Orcuttia inaequalis	T		
Flowering Plants	orcutt grass, slender	Orcuttia tenuis	T	6,000	
Flowering Plants	owl's-clover, fleshy	Castilleja campestris succulenta	T		
Flowering Plants	oxytheca, cushenbury	Oxytheca parishii goodmaniana	E		
Flowering Plants	paintbrush, ash-grey	Castilleja cinerea	T	86,000	
Flowering Plants	paintbrush, golden	Castilleja levisecta	T		
Flowering Plants	paintbrush, soft-leaved	Castilleja mollis	E		
Flowering Plants	paintbrush, Tiburon	Castilleja affinis neglecta	E		
Flowering Plants	palo colorado	Temstroemia luquillensis	E		
Flowering Plants	palo de jazmin	Styrax portoricensis	E	3,000	
Flowering Plants	palo de nigua	Cornutia obovata	E		
Flowering Plants	palo de ramon	Banara vanderbiltii	E		
Flowering Plants	palo de rosa	Ottoschulzia rhodoxylon	E		
Flowering Plants	pamakani	Tetramolopium capillare	E		
Flowering Plants	pamakani	Viola chamissoniana chamissoniana	E		
Flowering Plants	panicgrass, Carter's	Panicum fauriei carteri	E		

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Ferns and Allies	No common name	<i>Thelypteris yaucoensis</i>	E		
Ferns and Allies	No common name	<i>Thelypteris verecunda</i>	E		
Ferns and Allies	No common name	<i>Thelypteris inabonensis</i>	E		
Ferns and Allies	No common name	<i>Tectaria estremerana</i>	E		
Ferns and Allies	No common name	<i>Polystichum calderonense</i>	E		
Ferns and Allies	No common name	<i>Elaphoglossum serpens</i>	E		
Ferns and Allies	No common name	<i>Diellia unisora</i>	E		
Ferns and Allies	No common name	<i>Adiantum vivesii</i>	E		
Ferns and Allies	No common name	<i>Diplazium molokaiense</i>	E		
Ferns and Allies	No common name	<i>Pteris lidgatei</i>	E		
Ferns and Allies	pauoa	<i>Ctenitis squamigera</i>	E		
Ferns and Allies	quillwort, black spored	<i>Isoetes melanospora</i>	E		
Ferns and Allies	quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	82,500	
Ferns and Allies	quillwort, mat-forming	<i>Isoetes tegetiformans</i>	E		
Ferns and Allies	wawae'iole	<i>Huperzia mannii</i>	E		
Ferns and Allies	wawae'iole, (=ha'iwale)	<i>Phlegmariurus nutans</i>	E		
<b>Ferns and Allies Total</b>				82500	
Lichens	cladonia, Florida perforate	<i>Cladonia perforata</i>	E		
Lichens	lichen, rock gnome	<i>Gymnoderma lineare</i>	E		
<b>Lichens Total</b>				0	
<b>Grand Total</b>				15792305	



United States  
Department of  
Agriculture

Natural  
Resources  
Conservation  
Service

P.O. Box 2890  
Washington, D.C.  
20013

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JAN 10 2002

Mr. Marshall Jones Jr.  
Acting Director  
Fish and Wildlife Service  
U.S. Department of Interior  
1849 C Street N.W., Mail Stop-3012  
Washington, D.C. 20240

Dear Mr. Jones:

This is in response to your request for information on the U.S. Department of Agriculture, Natural Resources Conservation Service expenditures made primarily for the conservation of endangered or threatened species pursuant to the Endangered Species Act. Based on information provided by our State Biologists, we have compiled a list of all States' FY-1999 and FY-2000 expenditures for endangered and threatened species conservation and recovery work. The information will be provided on diskette to Ms. Martha Bayliss-Larson, Program Specialist, U.S. Fish and Wildlife Service.

If you have any questions or concerns regarding this matter, please contact Howard Hankin, National Aquatic Ecologist at (202) 690-0082.

Sincerely,

DIANE E. GELBURD  
Director  
Ecological Sciences Division

Attachment

cc:

Lawrence E. Clark, Deputy Chief for Science and Technology, NRCS, Washington, D.C.  
Martha Balis-Larsen, Program Specialist, U.S. Fish and Wildlife Service, Fairfax, Virginia

**Endangered and Threatened Species Expenditures  
FY 2000**

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3/27/02

2000 Data Request For Federal Agencies - USDA/NRCS Submission

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	bat, gray	Myotis grisescens	E	\$3,000	
Mammals	bat, Hawaiian hoary		E	\$11,939,550	\$12,606
Mammals	bat, Indiana	Myotis sodalis	E	\$8,450	
Mammals	bat, lesser long-nosed	Leptonycteris curasoae yerbabuena	E	\$9,000	
Mammals	bat, little Mariana fruit	Pteropus tokudae	E		
Mammals	bat, Mariana fruit	Pteropus mariannus mariannus	E		
Mammals	bat, Mexican long-nosed	Leptonycteris nivalis	E	\$7,000	
Mammals	bat, Ozark big-eared	Corynorhinus townsendii ingens	E	\$2,000	
Mammals	bat, Virginia big-eared	Corynorhinus townsendii virginianus	E		
Mammals	bear, grizzly	Ursus arctos horribilis	T	\$362,500	
Mammals	bear, Louisiana black	Ursus americanus luteolus	T	\$189,228	\$375,000
Mammals	caribou, woodland	Rangifer tarandus caribou	E		
Mammals	deer, Columbian white-tailed	Odocoileus virginianus leucurus	E	\$100	
Mammals	deer, Key	Odocoileus virginianus clavium	E		
Mammals	ferret, black-footed	Mustela nigripes	E	\$2,920	
Mammals	fox, San Joaquin kit	Vulpes macrotis mutica	E		
Mammals	jaguar	Panthera onca	E	\$3,715	
Mammals	jaguarundi, Gulf Coast	Herpailurus yagouaroundi cacomilli	E		
Mammals	jaguarundi, Sinaloa	Herpailurus yagouaroundi tolteca	E	\$300	
Mammals	kangaroo rat, Fresno	Dipodomys nitratoides exilis	E		
Mammals	kangaroo rat, giant	Dipodomys ingens	E		
Mammals	kangaroo rat, Morro Bay	Dipodomys heermanni morroensis	E		
Mammals	kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E		
Mammals	kangaroo rat, Stephens'	Dipodomys stephensi	E		
Mammals	kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E		
Mammals	lynx, Canada	Lynx canadensis	T	\$3,100	
Mammals	manatee, West Indian	Trichechus manatus	E		
Mammals	mountain beaver, Point Arena	Aplodontia rufa nigra	E		
Mammals	Mouse, Alabama beach	Peromyscus polionotus ammobates	E		
Mammals	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E		
Mammals	Mouse, Choctawhatchee beach	Peromyscus polionotus allophrys	E		
Mammals	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E		
Mammals	mouse, Pacific pocket	Perognathus longimembris pacificus	E		
Mammals	Mouse, Perdido Key beach	Peromyscus polionotus trissyllepsis	E		
Mammals	mouse, Preble's meadow jumping	Zapus hudsonius preblei	T	\$3,500	

**Endangered and Threatened Species Expenditures  
FY 2000**

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3/27/02

Mammals	mouse, salt marsh harvest	Reithrodontomys raviventris	E		
Mammals	Mouse, southeastern beach	Peromyscus polionotus niveiventris	T		
Mammals	mouse, St. Andrew beach	Peromyscus polionotus peninsularis	E		
Mammals	ocelot	Leopardus pardalis	E	\$300	
Mammals	otter, southern sea	Enhydra lutris nereis	T		
Mammals	panther, Florida	Puma concolor coryi	E	\$500	
Mammals	prairie dog, Utah	Cynomys parvidens	T		
Mammals	pronghorn, Sonoran	Antilocapra americana sonoriensis	E		
Mammals	puma, eastern	Puma concolor cougar	E		
Mammals	rabbit, Lower Keys marsh	Sylvilagus palustris hefneri	E		
Mammals	rabbit, riparian brush	Sylvilagus bachmani riparius	E		
Mammals	rice rat	Oryzomys palustris natator	E		
Mammals	sea-lion, Steller	Eumetopias jubatus	E, T		
Mammals	seal, Caribbean monk	Monachus tropicalis	E		
Mammals	seal, Guadalupe fur	Arctocephalus townsendi	T		
Mammals	seal, Hawaiian monk	Monachus schauinslandi	E		
Mammals	sheep, bighorn	Ovis canadensis	E		
Mammals	sheep, bighorn	Ovis canadensis californiana	E		
Mammals	shrew, Dismal Swamp southeastern	Sorex longirostris fisheri	DP		
Mammals	squirrel, Carolina northern flying	Glaucomys sabrinus coloratus	E		
Mammals	squirrel, Delmarva Peninsula fox	Sciurus niger cinereus	E		
Mammals	squirrel, Mount Graham red	Tamiasciurus hudsonicus grahamensis	E		
Mammals	squirrel, northern Idaho ground	Spermophilus brunneus brunneus	T		
Mammals	squirrel, Virginia northern flying	Glaucomys sabrinus fuscus	E		
Mammals	vole, Amargosa	Microtus californicus scirpensis	E		
Mammals	vole, Florida salt marsh	Microtus pennsylvanicus dukecampbelli	E		
Mammals	vole, Hualapai Mexican	Microtus mexicanus hualpaiensis	E	\$2,000	
Mammals	whale, blue	Balaenoptera musculus	E		
Mammals	whale, bowhead	Balaena mysticetus	E		
Mammals	whale, finback	Balaenoptera physalus	E		
Mammals	whale, humpback	Megaptera novaeangliae	E		
Mammals	whale, right	Balaena glacialis	E		
Mammals	whale, Sei	Balaenoptera borealis	E		
Mammals	whale, sperm	Physeter catodon	E		
Mammals	wolf, gray	Canis lupus	E, T	\$700	
Mammals	wolf, red	Canis rufus	E	\$478,900	\$837,750
Mammals	woodrat, Key Largo	Neotoma floridana smalli	E		
Mammals	woodrat, riparian	Neotoma fuscipes riparia	E		

**Endangered and Threatened Species Expenditures  
FY 2000**

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3/27/02

Birds	akepa, Hawaii	<i>Loxops coccineus coccineus</i>	E		
Birds	akepa, Maui	<i>Loxops coccineus ochraceus</i>	E		
Birds	akialoa, Kauai	<i>Hemignathus procerus</i>	E		
Birds	akiapola'au	<i>Hemignathus munroi</i>	E		
Birds	Albatross, short-tailed	<i>Phoebastria albatrus</i>	E		
Birds	blackbird, yellow-shouldered	<i>Agelaius xanthomus</i>	E		\$8,662
Birds	bobwhite, masked	<i>Colinus virginianus ridgwayi</i>	E		
Birds	broadbill, Guam	<i>Myiagra freycineti</i>	E		
Birds	cahow	<i>Pterodroma cahow</i>	E		
Birds	caracara, Audubon's crested	<i>Polyborus plancus audubonii</i>	T		
Birds	condor, California	<i>Gymnogyps californianus</i>	E		
Birds	coot, Hawaiian	<i>Fulica americana alai</i>	E	\$1,011	
Birds	crane, Mississippi sandhill	<i>Grus canadensis pulla</i>	E	\$100	
Birds	crane, whooping	<i>Grus americana</i>	E	\$25,500	
Birds	creeper, Hawaii	<i>Oreomystis mana</i>	E		
Birds	creeper, Molokai	<i>Paroreomyza flammea</i>	E		
Birds	creeper, Oahu	<i>Paroreomyza maculata</i>	E		
Birds	crow, Hawaiian	<i>Corvus hawaiiensis</i>	E		
Birds	crow, Mariana	<i>Corvus kubaryi</i>	E		
Birds	crow, white-necked	<i>Corvus leucognaphalus</i>	E		
Birds	curlew, Eskimo	<i>Numenius borealis</i>	E	\$1,000	
Birds	duck, Hawaiian	<i>Anas wyvilliana</i>	E	\$73,024	
Birds	duck, Laysan	<i>Anas laysanensis</i>	E		
Birds	eagle, bald	<i>Haliaeetus leucocephalus</i>	T	\$910,000	\$1,016,550
Birds	eider, spectacled	<i>Somateria fischeri</i>	T		
Birds	eider, Steller's	<i>Polysticta stelleri</i>	T		
Birds	elepaio, Oahu	<i>Chasiempis sandwichensis ibidus</i>	E		
Birds	falcon, northern aplomado	<i>Falco femoralis septentrionalis</i>	E	\$300	
Birds	finch, Laysan	<i>Telespyza cantans</i>	E		
Birds	finch, Nihoa	<i>Telespyza ultima</i>	E		
Birds	flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	E	\$37,140	
Birds	gnatcatcher, coastal California	<i>Poliophtila californica californica</i>	T		
Birds	goose, Hawaiian	<i>Branta sandvicensis</i>	E	\$120,000	
Birds	hawk, Hawaiian	<i>Buteo solitarius</i>	E	\$5,706	
Birds	hawk, Puerto Rican broad-winged	<i>Buteo platypterus brunnescens</i>	E		
Birds	hawk, Puerto Rican sharp-shinned	<i>Accipiter striatus venator</i>	E		
Birds	honeycreeper, crested	<i>Palmeria dolei</i>	E		
Birds	jay, Florida scrub	<i>Aphelocoma coerulescens</i>	T		

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Birds	kingfisher, Guam Micronesian	Halcyon cinnamomina cinnamomina	E		
Birds	kite, Everglade snail	Rostrhamus sociabilis plumbeus	E		
Birds	mallard, Mariana	Anas oustaleti	E		
Birds	megapode, Micronesian	Megapodius laperouse	E		
Birds	millerbird, Nihoa	Acrocephalus familiaris kingi	E		
Birds	monarch, Tinian	Monarcha takatsukasae	T		
Birds	moorhen, Hawaiian common	Gallinula chloropus sandvicensis	E	\$1,011	
Birds	moorhen, Mariana common	Gallinula chloropus guami	E		
Birds	murrelet, marbled	Brachyramphus marmoratus marmoratus	T	\$5,000	
Birds	nightjar, Puerto Rican	Caprimulgus noctitherus	E		
Birds	nukupu'u	Hemignathus lucidus	E		
Birds	`o'o, Kauai	Moho braccatus	E		
Birds	`o'u	Psittirostra psittacea	E		
Birds	owl, Mexican spotted	Strix occidentalis lucida	T	\$15,440	
Birds	owl, northern spotted	Strix occidentalis caurina	T		
Birds	palila	Loxioides bailleui	E	\$3,333	
Birds	parrot, Puerto Rican	Amazona vittata	E		
Birds	parrotbill, Maui	Pseudonestor xanthophrys	E		
Birds	pelican, brown	Pelecanus occidentalis	E	\$200	
Birds	petrel, Hawaiian dark-rumped	Pterodroma phaeopygia sandwichensis	E		
Birds	pigeon, Puerto Rican plain	Columba inornata wetmorei	E		
Birds	Plover, piping	Charadrius melodus	E, T	\$23,040	
Birds	plover, western snowy	Charadrius alexandrinus nivosus	T		
Birds	po'ouli	Melamprosops phaeosoma	E		
Birds	prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E	\$50,000	
Birds	pygmy-owl, cactus ferruginous	Glaucidium brasilianum cactorum	E	\$3,000	
Birds	rail, California clapper	Rallus longirostris obsoletus	E		
Birds	rail, Guam	Rallus owstoni	E		
Birds	rail, light-footed clapper	Rallus longirostris levipes	E		
Birds	rail, Yuma clapper	Rallus longirostris yumanensis	E	\$600	
Birds	shearwater, Newell's Townsend's	Puffinus auricularis newelli	T		
Birds	shrike, San Clemente loggerhead	Lanius ludovicianus mearnsi	E		
Birds	sparrow, Cape Sable seaside	Ammodramus maritimus mirabilis	E		
Birds	sparrow, Florida grasshopper	Ammodramus savannarum floridanus	E		
Birds	sparrow, San Clemente sage	Amphispiza belli clementeae	T		
Birds	stilt, Hawaiian	Himantopus mexicanus knudseni	E	\$1,011	
Birds	stork, wood	Mycteria americana	E	\$2,900,000	\$2,700,000
Birds	swiftlet, Mariana gray	Aerodramus vanikorensis bartschi	E		

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Birds	tern, California least	<i>Sterna antillarum browni</i>	E		
Birds	tern, least	<i>Sterna antillarum</i>	E	\$35,600	\$30,400
Birds	tern, roseate	<i>Sterna dougallii dougallii</i>	E, T	\$1,000	\$8,662
Birds	thrush, large Kauai	<i>Myadestes myadestinus</i>	E		
Birds	thrush, Molokai	<i>Myadestes lanaiensis rutha</i>	E		
Birds	thrush, small Kauai	<i>Myadestes palmeri</i>	E		
Birds	towhee, Inyo California	<i>Pipilo crissalis eremophilus</i>	T		
Birds	vireo, black-capped	<i>Vireo atricapillus</i>	E	\$18,000	
Birds	vireo, least Bell's	<i>Vireo bellii pusillus</i>	E		
Birds	warbler, Bachman's	<i>Vermivora bachmanii</i>	E		
Birds	warbler, golden-cheeked	<i>Dendroica chrysoparia</i>	E		
Birds	warbler, Kirtland's	<i>Dendroica kirtlandii</i>	E		
Birds	warbler, nightingale reed	<i>Acrocephalus luscina</i>	E		
Birds	white-eye, bridled	<i>Zosterops conspicillatus conspicillatus</i>	E		
Birds	woodpecker, ivory-billed	<i>Campephilus principalis</i>	E		
Birds	woodpecker, red-cockaded	<i>Picoides borealis</i>	E	\$2,800	
Reptiles	anole, Culebra Island giant	<i>Anolis roosevelti</i>	E		
Reptiles	boa, Mona	<i>Epicrates monensis monensis</i>	T		
Reptiles	boa, Puerto Rican	<i>Epicrates inornatus</i>	E		
Reptiles	boa, Virgin Islands tree	<i>Epicrates monensis granti</i>	E		
Reptiles	crocodile, American	<i>Crocodylus acutus</i>	E		
Reptiles	gecko, Monito	<i>Sphaerodactylus micropithecus</i>	E		
Reptiles	iguana, Mona ground	<i>Cyclura stejnegeri</i>	T		
Reptiles	lizard, blunt-nosed leopard	<i>Gambelia silus</i>	E		
Reptiles	lizard, Coachella Valley fringe-toed	<i>Uma inornata</i>	T		
Reptiles	lizard, Island night	<i>Xantusia riversiana</i>	T		
Reptiles	lizard, St. Croix ground	<i>Ameiva polops</i>	E		
Reptiles	rattlesnake, New Mexican ridge-nosed	<i>Crotalus willardi obscurus</i>	T	\$7,000	
Reptiles	sea turtle, green	<i>Chelonia mydas</i>	E, T	\$207,250	
Reptiles	sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E		
Reptiles	sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E		
Reptiles	sea turtle, leatherback	<i>Dermochelys coriacea</i>	E		
Reptiles	sea turtle, loggerhead	<i>Caretta caretta</i>	T		
Reptiles	sea turtle, olive ridley	<i>Lepidochelys olivacea</i>	E, T		
Reptiles	skink, bluetail mole	<i>Eumeces egregius lividus</i>	T		
Reptiles	skink, sand	<i>Neoseps reynoldsi</i>	T		
Reptiles	snake, Atlantic salt marsh	<i>Nerodia clarkii taeniata</i>	T		
Reptiles	snake, Concho water	<i>Nerodia paucimaculata</i>	T		



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Reptiles	snake, copperbelly water	<i>Nerodia erythrogaster neglecta</i>	T	
Reptiles	snake, eastern indigo	<i>Drymarchon corais couperi</i>	T	
Reptiles	snake, giant garter	<i>Thamnophis gigas</i>	T	
Reptiles	snake, Lake Erie water	<i>Nerodia sipedon insularum</i>	T	
Reptiles	snake, San Francisco garter	<i>Thamnophis sirtalis tetrataenia</i>	E	
Reptiles	tortoise, desert	<i>Gopherus agassizii</i>	T	\$200
Reptiles	tortoise, gopher	<i>Gopherus polyphemus</i>	T	\$300
Reptiles	turtle, Alabama red-belly	<i>Pseudemys alabamensis</i>	E	
Reptiles	turtle, bog	<i>Clemmys muhlenbergii</i>	T	\$4,000
Reptiles	turtle, flattened musk	<i>Sternotherus depressus</i>	T	
Reptiles	turtle, Plymouth redbelly	<i>Pseudemys rubriventris bangsi</i>	E	
Reptiles	turtle, ringed map	<i>Graptemys oculifera</i>	T	
Reptiles	turtle, yellow-blotched map	<i>Graptemys flavimaculata</i>	T	
Reptiles	whipsnake, Alameda	<i>Masticophis lateralis euryxanthus</i>	T	
Amphibians	coqui, golden	<i>Eleutherodactylus jasperii</i>	T	
Amphibians	frog, California red-legged	<i>Rana aurora draytonii</i>	T	\$2,600
Amphibians	guajon	<i>Eleutherodactylus cookii</i>	T	
Amphibians	salamander, Barton Springs	<i>Eurycea sosorum</i>	E	
Amphibians	salamander, California tiger	<i>Ambystoma californiense</i>	E	
Amphibians	salamander, Cheat Mountain	<i>Plethodon nettingi</i>	T	
Amphibians	salamander, desert slender	<i>Batrachoseps aridus</i>	E	
Amphibians	salamander, flatwoods	<i>Ambystoma cingulatum</i>	T	
Amphibians	salamander, Red Hills	<i>Phaeognathus hubrichti</i>	T	
Amphibians	salamander, San Marcos	<i>Eurycea nana</i>	T	
Amphibians	salamander, Santa Cruz long-toed	<i>Ambystoma macrodactylum croceum</i>	E	
Amphibians	salamander, Shenandoah	<i>Plethodon shenandoah</i>	E	
Amphibians	salamander, Sonoran tiger	<i>Ambystoma tigrinum stebbinsi</i>	E	\$350
Amphibians	salamander, Texas blind	<i>Typhlomolge rathbuni</i>	E	
Amphibians	toad, arroyo	<i>Bufo microscaphus californicus</i>	E	
Amphibians	toad, Houston	<i>Bufo houstonensis</i>	E	
Amphibians	toad, Puerto Rican crested	<i>Peltophryne lemur</i>	T	
Amphibians	toad, Wyoming	<i>Bufo hemiophrys baxteri</i>	E	\$4,500
Fishes	catfish, Yaqui	<i>Ictalurus pricei</i>	T	
Fishes	cavefish, Alabama	<i>Speoplatyrhinus poulsoni</i>	E	
Fishes	cavefish, Ozark	<i>Amblyopsis rosae</i>	T	
Fishes	chub, bonytail	<i>Gila elegans</i>	E	\$1,000
Fishes	chub, Borax Lake	<i>Gila boraxobius</i>	E	
Fishes	chub, Chihuahua	<i>Gila nigrescens</i>	T	

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Fishes	chub, humpback	<i>Gila cypha</i>	E	\$1,000
Fishes	chub, Hutton tui	<i>Gila bicolor ssp.</i>	T	
Fishes	chub, Mohave tui	<i>Gila bicolor mohavensis</i>	E	
Fishes	chub, Oregon	<i>Oregonichthys crameri</i>	E	
Fishes	chub, Owens tui	<i>Gila bicolor snyderi</i>	E	
Fishes	chub, Pahrnagat roundtail	<i>Gila robusta jordani</i>	E	
Fishes	chub, slender	<i>Erimystax cahni</i>	T	
Fishes	chub, Sonora	<i>Gila ditaenia</i>	T	
Fishes	chub, spotfin	<i>Cyprinella monacha</i>	T	
Fishes	chub, Virgin River	<i>Gila robusta seminuda</i>	E	
Fishes	chub, Yaqui	<i>Gila purpurea</i>	E	
Fishes	cul-ui	<i>Chasmistes cujus</i>	E	
Fishes	dace, Ash Meadows speckled	<i>Rhinichthys osculus nevadensis</i>	E	
Fishes	dace, blackside	<i>Phoxinus cumberlandensis</i>	T	
Fishes	dace, Clover Valley speckled	<i>Rhinichthys osculus oligoporus</i>	E	
Fishes	dace, desert	<i>Eremichthys acros</i>	T	
Fishes	dace, Fosskett speckled	<i>Rhinichthys osculus ssp.</i>	T	
Fishes	dace, Independence Valley speckled	<i>Rhinichthys osculus lethoporus</i>	E	
Fishes	dace, Kendall Warm Springs	<i>Rhinichthys osculus thermalis</i>	E	
Fishes	dace, Moapa	<i>Moapa coriacea</i>	E	
Fishes	darer, amber	<i>Percina antesella</i>	E	
Fishes	darer, bayou	<i>Etheostoma rubrum</i>	T	
Fishes	darer, bluemark	<i>Etheostoma sp.</i>	E	
Fishes	darer, boulder	<i>Etheostoma wapiti</i>	E	
Fishes	darer, Cherokee	<i>Etheostoma scotti</i>	T	
Fishes	darer, duskytail	<i>Etheostoma percnum</i>	E	
Fishes	darer, Etowah	<i>Etheostoma etowahae</i>	E	
Fishes	darer, fountain	<i>Etheostoma fonticola</i>	E	
Fishes	darer, goldline	<i>Percina aurolineata</i>	T	
Fishes	darer, leopard	<i>Percina pantherina</i>	T	
Fishes	darer, Maryland	<i>Etheostoma sellare</i>	E	
Fishes	darer, Niangua	<i>Etheostoma nianguae</i>	T	
Fishes	darer, Okaloosa	<i>Etheostoma okaloosae</i>	E	
Fishes	darer, relict	<i>Etheostoma chienense</i>	E	
Fishes	darer, slackwater	<i>Etheostoma boschungii</i>	T	
Fishes	darer, snail	<i>Percina tanasi</i>	T	\$7,500
Fishes	darer, watercress	<i>Etheostoma nuchale</i>	E	
Fishes	gambusia, Big Bend	<i>Gambusia gaigei</i>	E	

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Fishes	gambusia, Clear Creek	Gambusia heterochir	E		
Fishes	gambusia, Pecos	Gambusia nobilis	E	\$1,640	
Fishes	gambusia, San Marcos	Gambusia georgei	E		
Fishes	goby, tidewater	Eucyclogobius newberryi	E		
Fishes	logperch, Conasauga	Percina jenkinsi	E		
Fishes	logperch, Roanoke	Percina rex	E		
Fishes	madtom, Neosho	Noturus placidus	T	\$1,000	
Fishes	madtom, pygmy	Noturus stanauli	E		
Fishes	madtom, Scioto	Noturus trautmani	E		
Fishes	madtom, smoky	Noturus baileyi	E		
Fishes	madtom, yellowfin	Noturus flavipinnis	T		
Fishes	minnow, Devils River	Dionda diaboli	T		
Fishes	minnow, loach	Tiaroga cobitis	T	\$6,280	
Fishes	minnow, Rio Grande silvery	Hybognathus amarus	E	\$920	
Fishes	pikeminnow, Colorado	Ptychocheilus lucius	E	\$5,000	
Fishes	poolfish, Pahrump	Empetrichthys latos	E		
Fishes	pupfish, Ash Meadows Amargosa	Cyprinodon nevadensis mionectes	E		
Fishes	pupfish, Comanche Springs	Cyprinodon elegans	E	\$1,000	
Fishes	pupfish, desert	Cyprinodon macularius	E		
Fishes	pupfish, Devils Hole	Cyprinodon diabolis	E		
Fishes	pupfish, Leon Springs	Cyprinodon bovinus	E		
Fishes	pupfish, Owens	Cyprinodon radiosus	E		
Fishes	pupfish, Warm Springs	Cyprinodon nevadensis pectoralis	E		
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E, T	\$3,054,100	\$783,000
Fishes	salmon, chum	Oncorhynchus keta	T	\$268,000	\$78,500
Fishes	salmon, coho	Oncorhynchus kisutch	T	\$15,000	
Fishes	salmon, sockeye	Oncorhynchus nerka	E, T	\$268,000	\$78,500
Fishes	sculpin, pygmy	Cottus pygmaeus	T		
Fishes	shiner, Arkansas River	Notropis girardi	T	\$44,500	
Fishes	shiner, beautiful	Cyprinella formosa	T		
Fishes	shiner, blue	Cyprinella caerulea	T	\$2,500	
Fishes	shiner, Cahaba	Notropis cahabae	E		
Fishes	shiner, Cape Fear	Notropis mekistocholas	E		
Fishes	shiner, palezone	Notropis albizonatus	E		
Fishes	shiner, Pecos bluntnose	Notropis simus pecosensis	T		
Fishes	shiner, Topeka	Notropis topeka	E	\$9,500	
Fishes	silverside, Waccamaw	Menidia extensa	T		
Fishes	smelt, delta	Hypomesus transpacificus	T		

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Fishes	spikedace	Meda fulgida	T	\$3,140	
Fishes	spinedace, Big Spring	Lepidomeda mollispinis pratensis	T		
Fishes	spinedace, Little Colorado	Lepidomeda vittata	T	\$2,000	
Fishes	spinedace, White River	Lepidomeda albivallis	E		
Fishes	splittail, Sacramento	Pogonichthys macrolepidotus	T		
Fishes	springfish, Hiko White River	Crenichthys baileyi grandis	E		
Fishes	springfish, Railroad Valley	Crenichthys nevadae	T		
Fishes	springfish, White River	Crenichthys baileyi baileyi	E		
Fishes	steelhead	Oncorhynchus mykiss	E, T	\$2,264,600	\$548,000
Fishes	stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E		
Fishes	sturgeon, Alabama	Scaphirhynchus suttkusi	E		
Fishes	sturgeon, Gulf	Acipenser oxyrinchus desotoi	T		
Fishes	sturgeon, pallid	Scaphirhynchus albus	E	\$21,500	
Fishes	sturgeon, shortnose	Acipenser brevirostrum	E	\$500	
Fishes	sturgeon, white	Acipenser transmontanus	E		
Fishes	sucker, June	Chasmistes liorus	E		
Fishes	sucker, Lost River	Deltistes luxatus	E		
Fishes	Sucker, Modoc	Catostomus microps	E		
Fishes	sucker, razorback	Xyrauchen texanus	E	\$2,500	
Fishes	sucker, Santa Ana	Catostomus santaanae	T		
Fishes	Sucker, shortnose	Chasmistes brevirostris	E		
Fishes	sucker, Warner	Catostomus warnerensis	T		
Fishes	topminnow, Gila	Poeciliopsis occidentalis	E	\$4,000	
Fishes	trout, Apache	Oncorhynchus apache	T	\$200	
Fishes	trout, bull	Salvelinus confluentus	T	\$268,000	\$78,500
Fishes	trout, Gila	Oncorhynchus gilae	E		
Fishes	trout, coastal cutthroat	Oncorhynchus clarki clarki	DR	\$100	
Fishes	trout, greenback cutthroat	Oncorhynchus clarki stomias	T		
Fishes	trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T		
Fishes	trout, Little Kern golden	Oncorhynchus aguabonita whitei	T		
Fishes	trout, Paiute cutthroat	Oncorhynchus clarki seleniris	T		
Fishes	woundfin	Plagopterus argentissimus	E		
Clams	acornshell, southern	Epioblasma othcaloogensis	E		
Clams	bankclimber, purple	Elliptoideus sloatianus	T		
Clams	bean, Cumberland	Villosa trabalis	E		
Clams	bean, purple	Villosa perpurpurea	E		
Clams	blossom, green	Epioblasma torulosa gubernaculum	E		
Clams	blossom, tubercled	Epioblasma torulosa torulosa	E		

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Clams	blossom, turgid	Epioblasma turgidula	E	
Clams	blossom, yellow	Epioblasma florentina florentina	E	
Clams	catpaw	Epioblasma obliquata obliquata	E	
Clams	catpaw, white	Epioblasma obliquata perobliqua	E	
Clams	clubshell	Pleurobema clava	E	
Clams	clubshell, black	Pleurobema curtum	E	
Clams	clubshell, ovate	Pleurobema perovatum	E	
Clams	clubshell, southern	Pleurobema decisum	E	
Clams	combshell, Cumberlandian	Epioblasma brevidens	E	
Clams	combshell, southern	Epioblasma penita	E	
Clams	combshell, upland	Epioblasma metastriata	E	
Clams	elktoe, Appalachian	Alasmidonta raveneliana	E	
Clams	elktoe, Cumberland	Alasmidonta atropurpurea	E	
Clams	fanshell	Cyprogenia stegaria	E	
Clams	fatmucket, Arkansas	Lampsilis powelli	T	
Clams	heelsplitter, Alabama	Potamilus inflatus	T	
Clams	heelsplitter, Carolina	Lasmigona decorata	E	
Clams	higgins eye	Lampsilis higginsii	E	
Clams	kidneyshell, triangular	Ptychobranthus greeni	E	
Clams	lampmussel, Alabama	Lampsilis virescens	E	
Clams	lilliput, pale	Toxolasma cylindrellus	E	
Clams	mapleleaf, winged	Quadrula fragosa	E	
Clams	moccasinshell, Alabama	Medionidus acutissimus	T	
Clams	moccasinshell, Coosa	Medionidus parvulus	E	
Clams	moccasinshell, Gulf	Medionidus penicillatus	E	
Clams	moccasinshell, Ochlockonee	Medionidus simpsonianus	E	
Clams	monkeyface, Appalachian	Quadrula sparsa	E	
Clams	monkeyface, Cumberland	Quadrula intermedia	E	
Clams	mucket, orangenacre	Lampsilis perovalis	T	
Clams	mucket, pink	Lampsilis abrupta	E	\$7,500
Clams	mussel, oyster	Epioblasma capsaeformis	E	
Clams	pearlshell, Louisiana	Margaritifera hembeli	T	
Clams	pearlymussel, birdwing	Conradilla caelata	E	
Clams	pearlymussel, cracking	Hemistena lata	E	
Clams	pearlymussel, Curtis	Epioblasma florentina curtisii	E	
Clams	pearlymussel, dromedary	Dromus dromas	E	
Clams	pearlymussel, littlewing	Pegias fabula	E	
Clams	pearlymussel, white wartyback	Plethobasus cicatricosus	E	

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Clams	pigtoe, Cumberland	<i>Pleurobema gibberum</i>	E	\$11,500
Clams	pigtoe, dark	<i>Pleurobema furvum</i>	E	
Clams	pigtoe, finerayed	<i>Fusconaia cuneolus</i>	E	
Clams	pigtoe, flat	<i>Pleurobema marshalli</i>	E	
Clams	pigtoe, heavy	<i>Pleurobema taitianum</i>	E	
Clams	pigtoe, oval	<i>Pleurobema pyriforme</i>	E	
Clams	pigtoe, rough	<i>Pleurobema plenum</i>	E	
Clams	pigtoe, shiny	<i>Fusconaia cor</i>	E	
Clams	pigtoe, southern	<i>Pleurobema georgianum</i>	E	
Clams	pimpleback, orangefoot	<i>Plethobasus cooperianus</i>	E	
Clams	pocketbook, fat	<i>Potamilus capax</i>	E	
Clams	pocketbook, finelined	<i>Lampsilis altilis</i>	T	
Clams	pocketbook, Ouachita rock	<i>Arkansia wheeleri</i>	E	
Clams	pocketbook, shinyrayed	<i>Lampsilis subangulata</i>	E	
Clams	pocketbook, speckled	<i>Lampsilis streckeri</i>	E	
Clams	rabbitsfoot, rough	<i>Quadrula cylindrica strigillata</i>	E	
Clams	riffleshell, northern	<i>Epioblasma torulosa rangiana</i>	E	
Clams	riffleshell, tan	<i>Epioblasma florentina walkeri</i>	E	
Clams	ring pink	<i>Obovaria retusa</i>	E	
Clams	slabshell, Chipola	<i>Elliptio chipolaensis</i>	T	
Clams	spiny mussel, James	<i>Pleurobema collina</i>	E	
Clams	spiny mussel, Tar River	<i>Elliptio steinstansana</i>	E	
Clams	stirrupshell	<i>Quadrula stapes</i>	E	
Clams	three-ridge, fat	<i>Amblema neislerii</i>	E	
Clams	wedgemussel, dwarf	<i>Alasmidonta heterodon</i>	E	\$1,000
Snails	ambersnail, Kanab	<i>Oxyloma haydeni kanabensis</i>	E	
Snails	campeloma, slender	<i>Campeloma decampi</i>	E	
Snails	elimia, lacy	<i>Elimia crenatella</i>	T	
Snails	limpet, Banbury Springs	<i>Lanx</i> sp.	E	
Snails	lioplax, cylindrical	<i>Lioplax cyclostomaformis</i>	E	
Snails	marstonia, royal	<i>Pyrgulopsis ogmorhaphae</i>	E	
Snails	pebblesnail, flat	<i>Lepyrium showalteri</i>	E	
Snails	riversnail, Anthony's	<i>Athearnia anthonyi</i>	E	
Snails	rocksnail, painted	<i>Leptoxis taeniata</i>	T	
Snails	rocksnail, plicate	<i>Leptoxis plicata</i>	E	
Snails	rocksnail, round	<i>Leptoxis ampla</i>	T	
Snails	shagreen, Magazine Mountain	<i>Mesodon magazinensis</i>	T	
Snails	snail, armored	<i>Pyrgulopsis pachyta</i>	E	

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Snails	snail, Bliss Rapids	Taylorconcha serpenticola	T	
Snails	snail, Chittenango ovate amber	Succinea chittenangoensis	T	
Snails	snail, flat-spired three-toothed	Triodopsis platysayoides	T	
Snails	snail, Iowa Pleistocene	Discus macclintocki	E	
Snails	snail, Morro shoulderband	Helminthoglypta walkeriana	E	
Snails	snail, Newcomb's	Erinna newcombi	T	
Snails	snail, noonday	Mesodon clarki nantahala	T	
Snails	snail, painted snake coiled forest	Anguispira picta	T	
Snails	snail, Snake River physa	Physa natricina	E	
Snails	snail, Stock Island tree	Orthalicus reses	T	
Snails	snail, tulotoma	Tulotoma magnifica	E	
Snails	snail, Utah valvata	Valvata utahensis	E	
Snails	snail, Virginia fringed mountain	Polygyriscus virginianus	E	
Snails	snails, Oahu tree	Achatinella spp.	E	
Snails	springsnail, Alamosa	Tryonia alamosae	E	
Snails	springsnail, Bruneau Hot	Pyrgulopsis bruneauensis	E	
Snails	springsnail, Idaho	Fontelicella idahoensis	E	
Snails	springsnail, Socorro	Pyrgulopsis neomexicana	E	
Insects	beetle, American burying	Nicrophorus americanus	E	\$3,000
Insects	beetle, Coffin Cave mold	Batrisodes texanus	E	
Insects	beetle, Comal Springs dryopid	Stygoparnus comalensis	E	
Insects	beetle, Comal Springs riffle	Heterelmis comalensis	E	
Insects	beetle, delta green ground	Elaphrus viridis	T	
Insects	beetle, Hungerford's crawling water	Brychius hungerfordi	E	
Insects	beetle, Kretschmarr Cave mold	Texamaurops reddelli	E	
Insects	beetle, Mount Hermon June	Polyphylla barbata	E	
Insects	beetle, Tooth Cave ground	Rhadine persephone	E	
Insects	beetle, valley elderberry longhorn	Desmocerus californicus dimorphus	T	
Insects	butterfly, bay checkerspot	Euphydryas editha bayensis	T	
Insects	butterfly, Behren's silverspot	Speyeria zerene behrensii	E	
Insects	butterfly, callippe silverspot	Speyeria callippe callippe	E	
Insects	butterfly, El Segundo blue	Euphilotes battoides allyni	E	
Insects	butterfly, Fender's blue	Icaricia icarioides fenderi	E	
Insects	butterfly, Karner blue	Lycaeides melissa samuelis	E	\$25,500
Insects	butterfly, Lange's metalmark	Apodemia mormo langei	E	
Insects	butterfly, lotis blue	Lycaeides argyrognomon lotis	E	
Insects	butterfly, mission blue	Icaricia icarioides missionensis	E	
Insects	butterfly, Mitchell's satyr	Neonympha mitchellii mitchellii	E	

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Insects	butterfly, Myrtle's silverspot	Speyeria zerene myrtleae	E	
Insects	butterfly, Oregon silverspot	Speyeria zerene hippolyta	T	
Insects	butterfly, Palos Verdes blue	Glaucopsyche lygdamus palosverdesensis	E	
Insects	butterfly, Quino checkerspot	Euphydryas editha quino	E	
Insects	butterfly, Saint Francis' satyr	Neonympha mitchellii francisci	E	
Insects	butterfly, San Bruno elfin	Callophrys mossii bayensis	E	
Insects	butterfly, Schaus swallowtail	Heraclides aristodemus ponceanus	E	
Insects	butterfly, Smith's blue	Euphilotes enoptes smithi	E	
Insects	butterfly, Uncompahgre fritillary	Boloria acrocroma	E	
Insects	dragonfly, Hine's emerald	Somatochlora hineana	E	
Insects	fly, Delhi Sands flower-loving	Rhaphiomidas terminatus abdominalis	E	
Insects	grasshopper, Zayante band-winged	Trimerotropis infantilis	E	
Insects	moth, Blackburn's sphinx	Manduca blackburni	E	\$10,000
Insects	moth, Kern primrose sphinx	Euproserpinus euterpe	T	
Insects	naucorid, Ash Meadows	Ambrysus amargosus	T	
Insects	skipper, Laguna Mountains	Pyrgus ruralis lagunae	E	
Insects	skipper, Pawnee montane	Hesperia leonardus montana	T	\$2,000
Insects	tiger beetle, northeastern beach	Cicindela dorsalis dorsalis	T	
Insects	tiger beetle, Puritan	Cicindela puritana	T	
Arachnids	harvestman, Bee Creek Cave	Texella reddelli	E	
Arachnids	harvestman, Bone Cave	Texella reyesi	E	
Arachnids	pseudoscorpion, Tooth Cave	Tartarocreagris texana	E	
Arachnids	spider, Kauai cave wolf or pe'e pe'e ma	Adelocosa anops	E	
Arachnids	spider, spruce-fir moss	Microhexura montivaga	E	
Arachnids	spider, Tooth Cave	Neoleptoneta myopica	E	
Crustaceans	amphipod, Hay's Spring	Stygobromus hayi	E	
Crustaceans	amphipod, Illinois cave	Gammarus acherondytes	E	
Crustaceans	amphipod, Kauai cave	Spelaeorchestia koloana	E	
Crustaceans	amphipod, Peck's cave	Stygobromus pecki	E	
Crustaceans	crayfish, cave	Cambarus zophonastes	E	
Crustaceans	crayfish, cave	Cambarus aculabrum	E	
Crustaceans	crayfish, Nashville	Orconectes shoupi	E	
Crustaceans	crayfish, Shasta	Pacifastacus fortis	E	
Crustaceans	fairy shrimp, Conservancy	Branchinecta conservatio	E	
Crustaceans	fairy shrimp, longhorn	Branchinecta longiantenna	E	
Crustaceans	fairy shrimp, Riverside	Streptocephalus woottoni	E	
Crustaceans	fairy shrimp, San Diego	Branchinecta sandiegonensis	E	
Crustaceans	fairy shrimp, vernal pool	Branchinecta lynchi	T	



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Crustaceans	isopod, Lee County cave	Lirceus usdagalun	E	
Crustaceans	isopod, Madison Cave	Antrolana lira	T	
Crustaceans	isopod, Socorro	Thermosphaeroma thermophilus	E	
Crustaceans	shrimp, Alabama cave	Palaemonias alabamae	E	
Crustaceans	shrimp, California freshwater	Syncaris pacifica	E	
Crustaceans	shrimp, Kentucky cave	Palaemonias ganteri	E	
Crustaceans	shrimp, Squirrel Chimney Cave	Palaemonetes cummingi	T	
Crustaceans	tadpole shrimp, vernal pool	Lepidurus packardii	E	
Flowering Plants	a`e	Zanthoxylum hawaiiense	E	
Flowering Plants	a`e	Zanthoxylum dipetalum tomentosum	E	
Flowering Plants	agave, Arizona	Agave arizonica	E	\$300
Flowering Plants	`aiea	Nothoctrum breviflorum	E	
Flowering Plants	`aiea	Nothoctrum peltatum	E	
Flowering Plants	`akoko	Euphorbia haeleleana	E	
Flowering Plants	`akoko	Chamaesyce rockii	E	
Flowering Plants	`akoko	Chamaesyce herbstii	E	
Flowering Plants	`akoko	Chamaesyce kuwaleana	E	
Flowering Plants	`akoko	Chamaesyce celastroides kaenana	E	
Flowering Plants	`akoko	Chamaesyce halemanui	E	
Flowering Plants	`akoko	Chamaesyce deppeana	E	
Flowering Plants	`akoko, Ewa Plains	Chamaesyce skottsbergii kalaeloana	E	
Flowering Plants	alani	Melicope saint-johnii	E	
Flowering Plants	alani	Melicope ovalis	E	
Flowering Plants	alani	Melicope adscendens	E	
Flowering Plants	alani	Melicope zahlbruckneri	E	
Flowering Plants	alani	Melicope reflexa	E	\$16,875
Flowering Plants	alani	Melicope quadrangularis	E	
Flowering Plants	alani	Melicope pallida	E	
Flowering Plants	alani	Melicope munroi	E	
Flowering Plants	alani	Melicope balloui	E	
Flowering Plants	alani	Melicope knudsenii	E	
Flowering Plants	alani	Melicope lydgatei	E	
Flowering Plants	alani	Melicope mucronulata	E	
Flowering Plants	alani	Melicope haupuensis	E	
Flowering Plants	allocarya, Calistoga	Plagiobothrys strictus	E	
Flowering Plants	alopecurus, Sonoma	Alopecurus aequalis sonomensis	E	
Flowering Plants	amaranth, seabeach	Amaranthus pumilus	T	
Flowering Plants	ambrosia, south Texas	Ambrosia cheiranthifolia	E	

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Flowering Plants	amole, purple	<i>Chlorogalum purpureum</i>	T
Flowering Plants	amphianthus, little	<i>Amphianthus pusillus</i>	T
Flowering Plants	'anaunau	<i>Lepidium arbuscula</i>	E
Flowering Plants	'anunu	<i>Sicyos alba</i>	E
Flowering Plants	arrowhead, bunched	<i>Sagittaria fasciculata</i>	E
Flowering Plants	aster, decurrent false	<i>Boltonia decurrens</i>	T
Flowering Plants	aster, Florida golden	<i>Chrysopsis floridana</i>	E
Flowering Plants	aster, Ruth's golden	<i>Pityopsis ruthii</i>	E
Flowering Plants	aupaka	<i>Isodendrion laurifolium</i>	E
Flowering Plants	aupaka	<i>Isodendrion longifolium</i>	T
Flowering Plants	aupaka	<i>Isodendrion hosakae</i>	E
Flowering Plants	avens, spreading	<i>Geum radiatum</i>	E
Flowering Plants	'awikiwiki	<i>Canavalia molokaiensis</i>	E
Flowering Plants	awiwi	<i>Hedyotis cookiana</i>	E
Flowering Plants	awiwi	<i>Centaurium sebaeoides</i>	E
Flowering Plants	ayenia, Texas	<i>Ayenia limitaris</i>	E
Flowering Plants	Baccharis, Encinitas	<i>Baccharis vanessae</i>	T
Flowering Plants	barberry, island	<i>Berberis pinnata insularis</i>	E
Flowering Plants	barberry, Nevin's	<i>Berberis nevinii</i>	E
Flowering Plants	barberry, Truckee	<i>Berberis sonnei</i>	E
Flowering Plants	bariaco	<i>Trichillia triacantha</i>	E
Flowering Plants	beaked-rush, Knieskern's	<i>Rhynchospora knieskernii</i>	T
Flowering Plants	bear-poppy, dwarf	<i>Arctomecon humilis</i>	E
Flowering Plants	beardtongue, Penland	<i>Penstemon penlandii</i>	E
Flowering Plants	beargrass, Britton's	<i>Nolina brittoniana</i>	E
Flowering Plants	beauty, Harper's	<i>Harperocallis flava</i>	E
Flowering Plants	bedstraw, El Dorado	<i>Galium californicum sierrae</i>	E
Flowering Plants	bedstraw, island	<i>Galium buxifolium</i>	E
Flowering Plants	bellflower, Brooksville	<i>Campanula robinsiae</i>	E
Flowering Plants	birch, Virginia round-leaf	<i>Betula uber</i>	T
Flowering Plants	bird's beak, palmate-bracted	<i>Cordylanthus palmatus</i>	E
Flowering Plants	bird's-beak, Pennell's	<i>Cordylanthus tenuis capillaris</i>	E
Flowering Plants	bird's-beak, salt marsh	<i>Cordylanthus maritimus maritimus</i>	E
Flowering Plants	bird's-beak, soft	<i>Cordylanthus mollis mollis</i>	E
Flowering Plants	birds-in-a-nest, white	<i>Macbridea alba</i>	T
Flowering Plants	bittercress, small-anthered	<i>Cardamine micranthera</i>	E
Flowering Plants	bladderpod, Dudley Bluffs	<i>Lesquerella congesta</i>	T
Flowering Plants	bladderpod, kodachrome	<i>Lesquerella tumulosa</i>	E

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Flowering Plants	bladderpod, lyrate	Lesquerella lyrata	T	
Flowering Plants	bladderpod, Missouri	Lesquerella filiformis	E	
Flowering Plants	bladderpod, San Bernardino Mountains	Lesquerella kingii bernardina	E	
Flowering Plants	bladderpod, Spring Creek	Lesquerella perforata	E	
Flowering Plants	bladderpod, white	Lesquerella pallida	E	
Flowering Plants	bladderpod, Zapata	Lesquerella thamnophila	E	
Flowering Plants	blazingstar, Ash Meadows	Mentzelia leucophylla	T	
Flowering Plants	blazingstar, Heller's	Liatris helleri	T	
Flowering Plants	blazingstar, scrub	Liatris ohlingerae	E	
Flowering Plants	blue-star, Kearney's	Amsonia kearneyana	E	
Flowering Plants	bluecurls, Hidden Lake	Trichostema austromontanum compactum	T	
Flowering Plants	bluegrass, Hawaiian	Poa sandvicensis	E	
Flowering Plants	bluegrass, Mann's	Poa mannii	E	
Flowering Plants	bluegrass, Napa	Poa napensis	E	
Flowering Plants	bluegrass, San Bernardino	Poa atropurpurea	E	
Flowering Plants	bluet, Roan Mountain	Hedyotis purpurea montana	E	
Flowering Plants	bonamia, Florida	Bonamia grandiflora	T	
Flowering Plants	boxwood, Vahl's	Buxus vahlii	E	
Flowering Plants	brodiaea, Chinese Camp	Brodiaea pallida	T	
Flowering Plants	brodiaea, thread-leaved	Brodiaea filifolia	T	
Flowering Plants	broom, San Clemente Island	Lotus dendroideus traskiae	E	
Flowering Plants	buckwheat, cushenbury	Eriogonum ovalifolium vineum	E	
Flowering Plants	buckwheat, lone	Eriogonum apricum	E	
Flowering Plants	buckwheat, scrub	Eriogonum longifolium gnaphalifolium	T	
Flowering Plants	buckwheat, steamboat	Eriogonum ovalifolium williamsiae	E	
Flowering Plants	bulrush, Northeastern	Scirpus ancistrochaetus	E	
Flowering Plants	bush-clover, prairie	Lespedeza leptostachya	T	
Flowering Plants	bush-mallow, San Clemente Island	Malacothamnus clementinus	E	
Flowering Plants	bush-mallow, Santa Cruz Island	Malacothamnus fasciculatus nesioticus	E	
Flowering Plants	buttercup, autumn	Ranunculus acriformis aestivalis	E	
Flowering Plants	butterweed, Layne's	Senecio layneae	T	
Flowering Plants	butterwort, Godfrey's	Pinguicula ionantha	T	
Flowering Plants	button, Mohr's Barbara	Marshallia mohrii	T	
Flowering Plants	button-celery, San Diego	Eryngium aristulatum parishii	E	
Flowering Plants	cactus, Arizona hedgehog	Echinocereus triglochidiatus arizonicus	E	\$700
Flowering Plants	cactus, Bakersfield	Opuntia treleasei	E	
Flowering Plants	cactus, black lace	Echinocereus reichenbachii albertii	E	
Flowering Plants	cactus, Brady pincushion	Pediocactus bradyi	E	\$1,000

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Flowering Plants	cactus, Chisos Mtn. hedgehog	Echinocereus chisoensis chisoensis	T	
Flowering Plants	cactus, Cochise pincushion	Coryphantha robbinsorum	T	\$150
Flowering Plants	cactus, Key tree	Pilosocereus robinii	E	
Flowering Plants	cactus, Knowlton	Pediocactus knowltonii	E	\$920
Flowering Plants	cactus, Kuenzler hedgehog	Echinocereus fendleri kuenzleri	E	\$920
Flowering Plants	cactus, Lee pincushion	Coryphantha sneedii leei	T	
Flowering Plants	cactus, Lloyd's Mariposa	Echinomastus mariposensis	T	
Flowering Plants	cactus, Mesa Verde	Sclerocactus mesae-verdae	T	
Flowering Plants	cactus, Nellie cory	Coryphantha minima	E	
Flowering Plants	cactus, Nichol's Turk's head	Echinocactus horizontalonius nicholii	E	
Flowering Plants	cactus, Peebles Navajo	Pediocactus peeblesianus peeblesianus	E	
Flowering Plants	cactus, Pima pineapple	Coryphantha scheeri robustispina	E	
Flowering Plants	cactus, San Rafael	Pediocactus despainii	E	
Flowering Plants	cactus, Siler pincushion	Pediocactus sileri	T	
Flowering Plants	cactus, Sneed pincushion	Coryphantha sneedii sneedii	E	\$920
Flowering Plants	cactus, star	Astrophytum asterias	E	
Flowering Plants	cactus, Tobusch fishhook	Ancistrocactus tobuschii	E	
Flowering Plants	cactus, Unita Basin hookless	Sclerocactus glaucus	T	
Flowering Plants	cactus, Winkler	Pediocactus winkleri	T	
Flowering Plants	cactus, Wright fishhook	Sclerocactus wrightiae	E	
Flowering Plants	campion, fringed	Silene polypetala	E	
Flowering Plants	capa rosa	Callicarpa ampla	E	
Flowering Plants	cat's-eye, Terlingua Creek	Cryptantha crassipes	E	
Flowering Plants	ceanothus, coyote	Ceanothus ferrisae	E	
Flowering Plants	ceanothus, Pine Hill	Ceanothus roderickii	E	
Flowering Plants	ceanothus, Vail Lake	Ceanothus ophiochilus	T	
Flowering Plants	centaury, spring-loving	Centaurium namophilum	T	
Flowering Plants	chaff-flower, round-leaved	Achyranthes splendens rotundata	E	
Flowering Plants	chaffseed, American	Schwalbea americana	E	
Flowering Plants	Checker-mallow, Keck's	Sidalcea keckii	E	
Flowering Plants	checker-mallow, Kenwood Marsh	Sidalcea oregana valida	E	
Flowering Plants	checker-mallow, Nelson's	Sidalcea nelsoniana	T	\$100
Flowering Plants	checker-mallow, pedate	Sidalcea pedata	E	
Flowering Plants	checkermallow, Wenatchee Mountains	Sidalcea oregana calva	E	
Flowering Plants	chupacallos	Pleodendron macranthum	E	
Flowering Plants	cinquefoil, Robbins'	Potentilla robbinsiana	E	
Flowering Plants	clarkia, Pismo	Clarkia speciosa immaculata	E	
Flowering Plants	clarkia, Presidio	Clarkia franciscana	E	

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Flowering Plants	clarkia, Springville	Clarkia springvillensis	T	
Flowering Plants	clarkia, Vine Hill	Clarkia imbricata	E	
Flowering Plants	cliff-rose, Arizona	Purshia subintegra	E	\$200
Flowering Plants	clover, Monterey	Trifolium trichocalyx	E	
Flowering Plants	clover, running buffalo	Trifolium stoloniferum	E	
Flowering Plants	clover, showy Indian	Trifolium amoenum	E	
Flowering Plants	cobana negra	Stahlia monosperma	T	
Flowering Plants	coneflower, smooth	Echinacea laevigata	E	\$12,370
Flowering Plants	coneflower, Tennessee purple	Echinacea tennesseensis	E	
Flowering Plants	cory cactus, bunched	Coryphantha ramillosa	T	
Flowering Plants	cress, toad-flax	Schoenocrambe suffrutescens	E	
Flowering Plants	crownbeard, big-leaved	Verbesina dissita	T	
Flowering Plants	crownscale, San Jacinto Valley	Atriplex coronata notatior	E	
Flowering Plants	cycladenia, Jones	Cycladenia humilis jonesii	T	
Flowering Plants	daisy, lakeside	Hymenoxys herbacea	T	
Flowering Plants	daisy, Maguire	Erigeron maguirei	T	
Flowering Plants	daisy, Parish's	Erigeron parishii	T	
Flowering Plants	daisy, Willamette	Erigeron decumbens decumbens	E	\$100
Flowering Plants	dawn-flower, Texas prairie	Hymenoxys texana	E	
Flowering Plants	dogweed, ashy	Thymophylla tephroleuca	E	
Flowering Plants	dropwort, Canby's	Oxypolis canbyi	E	
Flowering Plants	dudleya, Conejo	Dudleya abramsii parva	T	
Flowering Plants	dudleya, marcescent	Dudleya cymosa marcescens	T	
Flowering Plants	dudleya, Santa Clara Valley	Dudleya setchellii	E	
Flowering Plants	dudleya, Santa Cruz Island	Dudleya nesiotica	T	
Flowering Plants	dudleya, Verity's	Dudleya verityi	T	
Flowering Plants	dudleyea, Santa Monica Mountains	Dudleya cymosa ovatifolia	T	
Flowering Plants	dwarf-flax, Marin	Hesperolinon congestum	T	
Flowering Plants	erubia	Solanum drymophilum	E	
Flowering Plants	evening-primrose, Antioch Dunes	Oenothera deltoides howellii	E	
Flowering Plants	evening-primrose, Eureka Valley	Oenothera avita eurekaensis	E	
Flowering Plants	evening-primrose, San Benito	Camissonia benitensis	T	
Flowering Plants	fiddleneck, large-flowered	Amsinckia grandiflora	E	
Flowering Plants	flannelbush, Mexican	Fremontodendron mexicanum	E	
Flowering Plants	flannelbush, Pine Hill	Fremontodendron californicum decumbens	E	
Flowering Plants	fleabane, Zuni	Erigeron rhizomatus	T	
Flowering Plants	four-o'clock, MacFarlane's	Mirabilis macfarlanei	T	
Flowering Plants	frankenian, Johnston's	Frankenia johnstonii	E	\$4,000

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Flowering Plants	fringe-tree, pygmy	Chionanthus pygmaeus	E	
Flowering Plants	fringe-pod, Santa Cruz Island	Thysanocarpus conchuliferus	E	
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E	
Flowering Plants	gardenia, Hawaiian	Gardenia brighamii	E	
Flowering Plants	geranium, Hawaiian red-flowered	Geranium arboreum	E	
Flowering Plants	gerardia, sandplain	Agalinis acuta	E	\$12,200
Flowering Plants	gilia, Hoffmann's slender-flowered	Gilia tenuiflora hoffmannii	E	
Flowering Plants	gilia, Monterey	Gilia tenuiflora arenaria	E	
Flowering Plants	goetzea, beautiful	Goetzea elegans	E	
Flowering Plants	goldenrod, Blue Ridge	Solidago spithamaea	T	
Flowering Plants	goldenrod, Houghton's	Solidago houghtonii	T	
Flowering Plants	goldenrod, Short's	Solidago shortii	E	
Flowering Plants	goldenrod, white-haired	Solidago albopilosa	T	
Flowering Plants	goldfields, Burke's	Lasthenia burkei	E	
Flowering Plants	goldfields, Contra Costa	Lasthenia conjugens	E	
Flowering Plants	gooseberry, Miccosukee	Ribes echinellum	T	
Flowering Plants	gourd, Okeechobee	Cucurbita okeechobeensis okeechobeensis	E	
Flowering Plants	grass, California Orcutt	Orcuttia californica	E	
Flowering Plants	grass, Colusa	Neostapfia colusana	T	
Flowering Plants	grass, Eureka Dune	Swallenia alexandrae	E	
Flowering Plants	grass, Solano	Tuctoria mucronata	E	
Flowering Plants	grass, Tennessee yellow-eyed	Xyris tennesseensis	E	
Flowering Plants	ground-plum, Pyne's	Astragalus bibullatus	E	
Flowering Plants	groundsel, San Francisco Peaks	Senecio franciscanus	T	
Flowering Plants	gumplant, Ash Meadows	Grindelia fraxino-pratensis	T	
Flowering Plants	haha	Cyanea humboldtiana	E	
Flowering Plants	haha	Cyanea crispa	E	
Flowering Plants	haha	Cyanea grimesiana grimesiana	E	
Flowering Plants	haha	Cyanea shipmannii	E	
Flowering Plants	haha	Cyanea superba	E	
Flowering Plants	haha	Cyanea st-johnii	E	
Flowering Plants	haha	Cyanea mceldowneyi	E	
Flowering Plants	haha	Cyanea undulata	E	
Flowering Plants	haha	Cyanea truncata	E	
Flowering Plants	haha	Cyanea recta	T	
Flowering Plants	haha	Cyanea procera	E	
Flowering Plants	haha	Cyanea mannii	E	
Flowering Plants	haha	Cyanea glabra	E	

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Flowering Plants	haha	<i>Cyanea dunbarii</i>	E
Flowering Plants	haha	<i>Cyanea copelandii copelandii</i>	E
Flowering Plants	haha	<i>Cyanea asarifolia</i>	E
Flowering Plants	haha	<i>Cyanea hamatiflora hamatiflora</i>	E
Flowering Plants	haha	<i>Cyanea copelandii haleakalaensis</i>	E
Flowering Plants	haha	<i>Cyanea longiflora</i>	E
Flowering Plants	haha	<i>Cyanea koolauensis</i>	E
Flowering Plants	haha	<i>Cyanea remyi</i>	E
Flowering Plants	haha	<i>Cyanea acuminata</i>	E
Flowering Plants	haha	<i>Cyanea macrostegia gibsonii</i>	E
Flowering Plants	haha	<i>Cyanea lobata</i>	E
Flowering Plants	haha	<i>Cyanea hamatiflora carlsonii</i>	E
Flowering Plants	haha	<i>Cyanea grimesiana obatae</i>	E
Flowering Plants	haha	<i>Cyanea stictophylla</i>	E
Flowering Plants	haha	<i>Cyanea platyphylla</i>	E
Flowering Plants	haha	<i>Cyanea pinnatifida</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra dentata</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra viridiflora</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra tintinnabula</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra limahuliensis</i>	T
Flowering Plants	ha`iwale	<i>Cyrtandra giffardii</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra munroi</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra crenata</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra polyantha</i>	E
Flowering Plants	ha`iwale	<i>Cyrtandra subumbellata</i>	E
Flowering Plants	hala pepe	<i>Pleomele hawaiiensis</i>	E
Flowering Plants	harebells, Avon Park	<i>Crotalaria avonensis</i>	E
Flowering Plants	harperella	<i>Ptilimnium nodosum</i>	E
Flowering Plants	hau kuahiwi	<i>Hibiscadelphus giffardianus</i>	E
Flowering Plants	hau kuahiwi	<i>Hibiscadelphus hualalaiensis</i>	E
Flowering Plants	hau kuahiwi	<i>Hibiscadelphus woodii</i>	E
Flowering Plants	heartleaf, dwarf-flowered	<i>Hexastylis naniflora</i>	T
Flowering Plants	heather, mountain golden	<i>Hudsonia montana</i>	T
Flowering Plants	heau	<i>Exocarpos luteolus</i>	E
Flowering Plants	hedyotis, Na Pali beach	<i>Hedyotis st.-johnii</i>	E
Flowering Plants	hibiscus, Clay's	<i>Hibiscus clayi</i>	E
Flowering Plants	higo, chumbo	<i>Harrisia portoricensis</i>	T
Flowering Plants	higuero de sierra	<i>Crescentia portoricensis</i>	E

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Flowering Plants	holei	Ochrosia kilauaeensis	E	
Flowering Plants	holly, Cook's	Ilex cookii	E	
Flowering Plants	Honohono	Haplostachys haplostachya	E	
Flowering Plants	howellia, water	Howellia aquatilis	T	\$100
Flowering Plants	hypericum, highlands scrub	Hypericum cumulicola	E	
Flowering Plants	iliau, dwarf	Wilkesia hobdyi	E	
Flowering Plants	indian paintbrush, San Clemente Island	Castilleja grisea	E	
Flowering Plants	ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E	
Flowering Plants	iris, dwarf lake	Iris lacustris	T	\$1,000
Flowering Plants	irissette, white	Sisyrinchium dichotomum	E	
Flowering Plants	ischaemum, Hilo	Ischaemum byrone	E	
Flowering Plants	ivesia, Ash Meadows	Ivesia kingii eremica	T	
Flowering Plants	jacquemontia, beach	Jacquemontia reclinata	E	
Flowering Plants	jewelflower, California	Caulanthus californicus	E	
Flowering Plants	jewelflower, Metcalf Canyon	Streptanthus albidus albidus	E	
Flowering Plants	jewelflower, Tiburon	Streptanthus niger	E	
Flowering Plants	joint-vetch, sensitive	Aeschynomene virginica	T	
Flowering Plants	kamakahala	Labordia triflora	E	
Flowering Plants	kamakahala	Labordia tinifolia wahiawaensis	E	
Flowering Plants	kamakahala	Labordia tinifolia lanaiensis	E	
Flowering Plants	kamakahala	Labordia lydgatei	E	
Flowering Plants	kamakahala	Labordia cyrtandrae	E	
Flowering Plants	kauai hau kuahiwi	Hibiscadelphus distans	E	
Flowering Plants	kauiia	Colubrina oppositifolia	E	
Flowering Plants	kaulu	Pteralyxia kauaiensis	E	
Flowering Plants	kio'ele	Hedyotis coriacea	E	
Flowering Plants	kiponapona	Phyllostegia racemosa	E	
Flowering Plants	kohe malama malama o kanaloa	Kanaloa kahoowawensis	E	
Flowering Plants	koki'o	Kokia drynarioides	E	
Flowering Plants	koki'o ke'oke'o	Hibiscus waimeae hanneriae	E	
Flowering Plants	koki'o ke'oke'o	Hibiscus arnottianus immaculatus	E	
Flowering Plants	koki'o, (=Cooke's koki'o)	Kokia cookii	E	
Flowering Plants	koki'o, (=Kaua'i koki'o)	Kokia kauaiensis	E	
Flowering Plants	kolea	Myrsine linearifolia	T	
Flowering Plants	kolea	Myrsine juddii	E	
Flowering Plants	ko'oko'olau	Bidens micrantha kalealaha	E	
Flowering Plants	ko'oko'olau	Bidens wiebkei	E	
Flowering Plants	ko'oloa'ula	Abutilon menziesii	E	



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Flowering Plants	Kopa	<i>Hedyotis schlechtendahliana remyi</i>	E	
Flowering Plants	kuahiwi laukahi	<i>Plantago princeps</i>	E	
Flowering Plants	kuahiwi laukahi	<i>Plantago hawaiiensis</i>	E	
Flowering Plants	kuawawaenuhu	<i>Alsinidendron lychnoides</i>	E	
Flowering Plants	kula wahine noho	<i>Isodendron pyrifolium</i>	E	
Flowering Plants	kulu'i	<i>Nototrichium humile</i>	E	
Flowering Plants	ladies'-tresses, Canelo Hills	<i>Spiranthes delitescens</i>	E	
Flowering Plants	ladies'-tresses, Navasota	<i>Spiranthes parksii</i>	E	
Flowering Plants	ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	\$500
Flowering Plants	Lagu, Hyan	<i>Serianthes nelsonii</i>	E	
Flowering Plants	larkspur, Baker's	<i>Delphinium bakeri</i>	E	
Flowering Plants	larkspur, San Clemente Island	<i>Delphinium variegatum kinkiense</i>	E	
Flowering Plants	larkspur, yellow	<i>Delphinium luteum</i>	E	
Flowering Plants	lau `ehu	<i>Panicum niuhauense</i>	E	
Flowering Plants	laulihilihi, (=Ma`oli`oli)	<i>Schiedea stellaroides</i>	E	
Flowering Plants	layia, beach	<i>Layia carnosae</i>	E	
Flowering Plants	lead-plant, Crenulate	<i>Amorpha crenulata</i>	E	
Flowering Plants	leather flower, Alabama	<i>Clematis socialis</i>	E	
Flowering Plants	leather flower, Morefield's	<i>Clematis morefieldii</i>	E	
Flowering Plants	lessingia, San Francisco	<i>Lessingia germanorum</i>	E	
Flowering Plants	liliwai	<i>Acaena exigua</i>	E	
Flowering Plants	lily, Minnesota dwarf trout	<i>Erythronium propullans</i>	E	
Flowering Plants	lily, Pitkin Marsh	<i>Lilium pardalinum pitkinense</i>	E	
Flowering Plants	lily, Western	<i>Lilium occidentale</i>	E	
Flowering Plants	liveforever, Laguna Beach	<i>Dudleya stolonifera</i>	T	
Flowering Plants	liveforever, Santa Barbara Island	<i>Dudleya traskiae</i>	E	
Flowering Plants	locoweed, Fassett's	<i>Oxytropis campestris chartacea</i>	T	
Flowering Plants	lomatium, Bradshaw's	<i>Lomatium bradshawii</i>	E	\$100
Flowering Plants	loosestrife, rough-leaved	<i>Lysimachia asperulaefolia</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia remota</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia kaalae</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia munroi</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia schattaueri</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia affinis</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia viscosa</i>	E	
Flowering Plants	lo`ulu	<i>Pritchardia napaliensis</i>	E	
Flowering Plants	lo`ulu, (=wahane)	<i>Pritchardia aylmer-robinsonii</i>	E	
Flowering Plants	lousewort, Furbish	<i>Pedicularis furbishiae</i>	E	

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Flowering Plants	love grass, Fosberg's	<i>Eragrostis fosbergii</i>	E
Flowering Plants	lupine, clover	<i>Lupinus tidestromii</i>	E
Flowering Plants	Lupine, Kincaid's	<i>Lupinus sulphureus kincaidii</i>	T
Flowering Plants	lupine, Nipomo Mesa	<i>Lupinus nipomensis</i>	E
Flowering Plants	lupine, scrub	<i>Lupinus aridorum</i>	E
Flowering Plants	mahoe	<i>Alectryon macrococcus</i>	E
Flowering Plants	makou	<i>Peucedanum sandwicense</i>	T
Flowering Plants	malacothrix, island	<i>Malacothrix squalida</i>	E
Flowering Plants	Malacothrix, Santa Cruz Island	<i>Malacothrix indecora</i>	E
Flowering Plants	mallow, Kern	<i>Eremalche kernensis</i>	E
Flowering Plants	mallow, Peter's Mountain	<i>Iliamna corei</i>	E
Flowering Plants	manaca, palma de	<i>Calyptronoma rivalis</i>	T
Flowering Plants	manioc, Walker's	<i>Manihot walkerae</i>	E
Flowering Plants	manzanita, Del Mar	<i>Arctostaphylos glandulosa crassifolia</i>	E
Flowering Plants	manzanita, lone	<i>Arctostaphylos myrtifolia</i>	T
Flowering Plants	manzanita, Morro	<i>Arctostaphylos morroensis</i>	T
Flowering Plants	manzanita, pallid	<i>Arctostaphylos pallida</i>	T
Flowering Plants	Manzanita, Presidio	<i>Arctostaphylos hookeri ravenii</i>	E
Flowering Plants	manzanita, Santa Rosa Island	<i>Arctostaphylos confertiflora</i>	E
Flowering Plants	ma'o hau hele, (=native yellow hibiscus)	<i>Hibiscus brackenridgei</i>	E
Flowering Plants	ma'oli'oli	<i>Schiedea kealiae</i>	E
Flowering Plants	ma'oli'oli	<i>Schiedea apokremnos</i>	E
Flowering Plants	mapele	<i>Cyrtandra cyaneoides</i>	E
Flowering Plants	mariposa lily, Tiburon	<i>Calochortus tiburonensis</i>	T
Flowering Plants	maua	<i>Xylosma crenatum</i>	E
Flowering Plants	meadowfoam, Butte County	<i>Limnanthes floccosa californica</i>	E
Flowering Plants	meadowfoam, Sebastopol	<i>Limnanthes vinculans</i>	E
Flowering Plants	meadowrue, Cooley's	<i>Thalictrum cooleyi</i>	E
Flowering Plants	mehamehame	<i>Flueggea neowawraea</i>	E
Flowering Plants	mesa-mint, Otay	<i>Pogogyne nudiuscula</i>	E
Flowering Plants	mesa-mint, San Diego	<i>Pogogyne abramsii</i>	E
Flowering Plants	milk-vetch, Applegate's	<i>Astragalus applegatei</i>	E
Flowering Plants	milk-vetch, Ash meadows	<i>Astragalus phoenix</i>	T
Flowering Plants	milk-vetch, Braunton's	<i>Astragalus brauntonii</i>	E
Flowering Plants	milk-vetch, Clara Hunt's	<i>Astragalus clarianus</i>	E
Flowering Plants	milk-vetch, Coachella Valley	<i>Astragalus lentiginosus coachellae</i>	E
Flowering Plants	milk-vetch, coastal dunes	<i>Astragalus tener titi</i>	E
Flowering Plants	milk-vetch, Cushenbury	<i>Astragalus albens</i>	E

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Flowering Plants	milk-vetch, Deseret	<i>Astragalus desereticus</i>	T	
Flowering Plants	milk-vetch, Fish Slough	<i>Astragalus lentiginosus piscinensis</i>	T	
Flowering Plants	milk-vetch, heliotrope	<i>Astragalus montii</i>	T	
Flowering Plants	milk-vetch, Jesup's	<i>Astragalus robbinsii jesupi</i>	E	\$500
Flowering Plants	milk-vetch, Lane Mountain	<i>Astragalus jaegerianus</i>	E	
Flowering Plants	milk-vetch, Mancos	<i>Astragalus humillimus</i>	E	
Flowering Plants	milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	E	
Flowering Plants	milk-vetch, Peirson's	<i>Astragalus magdalenae peirsonii</i>	T	
Flowering Plants	milk-vetch, Sentry	<i>Astragalus cremnophylax cremnophylax</i>	E	
Flowering Plants	milk-vetch, triple-ribbed	<i>Astragalus tricarinatus</i>	E	
Flowering Plants	milkpea, Small's	<i>Galactia smallii</i>	E	
Flowering Plants	milkweed, Mead's	<i>Asclepias meadii</i>	T	\$6,000
Flowering Plants	milkweed, Welsh's	<i>Asclepias welshii</i>	T	
Flowering Plants	mint, Garrett's	<i>Dicerandra christmanii</i>	E	
Flowering Plants	mint, Lakela's	<i>Dicerandra immaculata</i>	E	
Flowering Plants	mint, longspurred	<i>Dicerandra cornutissima</i>	E	
Flowering Plants	mint, scrub	<i>Dicerandra frutescens</i>	E	
Flowering Plants	monardella, willowy	<i>Monardella linoidea viminea</i>	E	
Flowering Plants	monkey-flower, Michigan	<i>Mimulus glabratus michiganensis</i>	E	
Flowering Plants	monkshood, northern wild	<i>Aconitum noveboracense</i>	T	
Flowering Plants	morning-glory, Stebbins'	<i>Calystegia stebbinsii</i>	E	
Flowering Plants	mountain balm, Indian Knob	<i>Eriodictyon altissimum</i>	E	
Flowering Plants	mountain-mahogany, Catalina Island	<i>Cercocarpus traskiae</i>	E	
Flowering Plants	mustard, Carter's	<i>Warea carteri</i>	E	
Flowering Plants	mustard, Penland alpine fen	<i>Eutrema penlandii</i>	T	
Flowering Plants	mustard, slender-petaled	<i>Thelypodium stenopetalum</i>	E	
Flowering Plants	na'ena'e	<i>Dubautia latifolia</i>	E	
Flowering Plants	na'ena'e	<i>Dubautia plantaginea humilis</i>	E	
Flowering Plants	na'ena'e	<i>Dubautia pauciflora</i>	E	
Flowering Plants	na'ena'e	<i>Dubautia herbstobatae</i>	E	
Flowering Plants	nani wai'ale'ale	<i>Viola kauaiensis wahiawaensis</i>	E	
Flowering Plants	nanu	<i>Gardenia mannii</i>	E	
Flowering Plants	naupaka, dwarf	<i>Scaevola coriacea</i>	E	
Flowering Plants	navarretia, few-flowered	<i>Navarretia leucocephala pauciflora</i>	E	
Flowering Plants	navarretia, many-flowered	<i>Navarretia leucocephala pliantha</i>	E	
Flowering Plants	navarretia, spreading	<i>Navarretia fossalis</i>	T	
Flowering Plants	nehe	<i>Lipochaeta fauriei</i>	E	
Flowering Plants	nehe	<i>Lipochaeta lobata leptophylla</i>	E	

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Flowering Plants	nehe	Lipochaeta kamolensis	E
Flowering Plants	nehe	Lipochaeta waimeaensis	E
Flowering Plants	nehe	Lipochaeta tenuifolia	E
Flowering Plants	nehe	Lipochaeta micrantha	E
Flowering Plants	nehe	Lipochaeta venosa	E
Flowering Plants	nioi	Eugenia koolauensis	E
Flowering Plants	niterwort, Amargosa	Nitrophila mohavensis	E
Flowering Plants	No common name	Achyranthes mutica	E
Flowering Plants	No common name	Lobelia gaudichaudii koolauensis	E
Flowering Plants	No common name	Phyllostegia hirsuta	E
Flowering Plants	No common name	Phyllostegia knudsenii	E
Flowering Plants	No common name	Neraudia ovata	E
Flowering Plants	No common name	Amaranthus brownii	E
Flowering Plants	No common name	Phyllostegia parviflora	E
Flowering Plants	No common name	Schiedea hookeri	E
Flowering Plants	No common name	Bonamia menziesii	E
Flowering Plants	No common name	Alsinidendron trinerve	E
Flowering Plants	No common name	Alsinidendron obovatum	E
Flowering Plants	No common name	Abutilon sandwicense	E
Flowering Plants	No common name	Abutilon eremitopetalum	E
Flowering Plants	No common name	Schiedea verticillata	E
Flowering Plants	No common name	Schiedea sarmentosa	E
Flowering Plants	No common name	Schiedea membranacea	E
Flowering Plants	No common name	Tetramolopium arenarium	E
Flowering Plants	No common name	Stenogyne kanehoana	E
Flowering Plants	No common name	Stenogyne angustifolia angustifolia	E
Flowering Plants	No common name	Silene lanceolata	E
Flowering Plants	No common name	Silene alexandri	E
Flowering Plants	No common name	Schiedea kaalae	E
Flowering Plants	No common name	Remya kauaiensis	E
Flowering Plants	No common name	Phyllostegia glabra lanaiensis	E
Flowering Plants	No common name	Lobelia niihauensis	E
Flowering Plants	No common name	Hesperomannia lydgatei	E
Flowering Plants	No common name	Hesperomannia arbuscula	E
Flowering Plants	No common name	Hesperomannia arborescens	E
Flowering Plants	No common name	Hedyotis parvula	E
Flowering Plants	No common name	Hedyotis degeneri	E
Flowering Plants	No common name	Gouania vitifolia	E

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Flowering Plants	No common name	Gouania meyenii	E	
Flowering Plants	No common name	Gouania hillebrandii	E	
Flowering Plants	No common name	Phyllostegia kaalaensis	E	
Flowering Plants	No common name	Eugenia woodburyana	E	\$8,662
Flowering Plants	No common name	Phyllostegia mannii	E	
Flowering Plants	No common name	Ilex sintenisii	E	
Flowering Plants	No common name	Cranichis ricartii	E	
Flowering Plants	No common name	Vernonia proctorii	E	
Flowering Plants	No common name	Trematolobelia singularis	E	
Flowering Plants	No common name	Stenogyne campanulata	E	
Flowering Plants	No common name	Stenogyne bifida	E	
Flowering Plants	No common name	Spermolepis hawaiiensis	E	
Flowering Plants	No common name	Silene perlmanii	E	
Flowering Plants	No common name	Schiedea nuttallii	E	
Flowering Plants	No common name	Schiedea kauaiensis	E	
Flowering Plants	No common name	Sanicula mariversa	E	
Flowering Plants	No common name	Phyllostegia wawrana	E	
Flowering Plants	No common name	Phyllostegia warshaueri	E	
Flowering Plants	No common name	Phyllostegia velutina	E	
Flowering Plants	No common name	Phyllostegia waimeae	E	
Flowering Plants	No common name	Mariscus fauriei	E	
Flowering Plants	No common name	Lysimachia maxima	E	
Flowering Plants	No common name	Lysimachia lydgatei	E	
Flowering Plants	No common name	Lyonia truncata proctorii	E	
Flowering Plants	No common name	Leptocereus grantianus	E	\$8,662
Flowering Plants	No common name	Catesbaea melanocarpa	E	
Flowering Plants	No common name	Auerodendron pauciflorum	E	
Flowering Plants	No common name	Aristida chaseae	E	\$8,662
Flowering Plants	No common name	Remya montgomeryi	E	
Flowering Plants	No common name	Alsinidendron viscosum	E	
Flowering Plants	No common name	Schoepfia arenaria	T	
Flowering Plants	No common name	Schiedea spergulina spergulina	T	
Flowering Plants	No common name	Schiedea spergulina leiopoda	E	
Flowering Plants	No common name	Schiedea lydgatei	E	
Flowering Plants	No common name	Schiedea helleri	E	
Flowering Plants	No common name	Schiedea haleakalensis	E	
Flowering Plants	No common name	Gesneria pauciflora	T	
Flowering Plants	No common name	Myrcia paganii	E	

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Flowering Plants	No common name	<i>Mariscus pennatiformis</i>	E
Flowering Plants	No common name	<i>Ternstroemia subsessilis</i>	E
Flowering Plants	No common name	<i>Silene hawaiiensis</i>	T
Flowering Plants	No common name	<i>Poa siphonoglossa</i>	E
Flowering Plants	No common name	<i>Platanthera holochila</i>	E
Flowering Plants	No common name	<i>Phyllostegia mollis</i>	E
Flowering Plants	No common name	<i>Mitracarpus polycladus</i>	E
Flowering Plants	No common name	<i>Mitracarpus maxwelliae</i>	E
Flowering Plants	No common name	<i>Lysimachia filifolia</i>	E
Flowering Plants	No common name	<i>Lobelia monostachya</i>	E
Flowering Plants	No common name	<i>Lepanthes eltoroensis</i>	E
Flowering Plants	No common name	<i>Daphnopsis hellerana</i>	E
Flowering Plants	No common name	<i>Cordia bellonis</i>	E
Flowering Plants	No common name	<i>Chamaecrista glandulosa mirabilis</i>	E
Flowering Plants	No common name	<i>Calyptanthus thomasiana</i>	E
Flowering Plants	No common name	<i>Viola oahuensis</i>	E
Flowering Plants	No common name	<i>Viola lanaiensis</i>	E
Flowering Plants	No common name	<i>Viola helenae</i>	E
Flowering Plants	No common name	<i>Vigna o-wahuensis</i>	E
Flowering Plants	No common name	<i>Tetramolopium rockii</i>	T
Flowering Plants	No common name	<i>Tetramolopium remyi</i>	E
Flowering Plants	No common name	<i>Tetramolopium lepidotum lepidotum</i>	E
Flowering Plants	No common name	<i>Tetramolopium filiforme</i>	E
Flowering Plants	No common name	<i>Neraudia sericea</i>	E
Flowering Plants	No common name	<i>Neraudia angulata</i>	E
Flowering Plants	No common name	<i>Munroidendron racemosum</i>	E
Flowering Plants	No common name	<i>Lobelia oahuensis</i>	E
Flowering Plants	No common name	<i>Geocarpon minimum</i>	T
Flowering Plants	No common name	<i>Gahnia lanaiensis</i>	E
Flowering Plants	No common name	<i>Sanicula purpurea</i>	E
Flowering Plants	nohoanu	<i>Geranium multiflorum</i>	E
Flowering Plants	oak, Hinckley	<i>Quercus hinckleyi</i>	T
Flowering Plants	oha	<i>Delissea rivularis</i>	E
Flowering Plants	oha	<i>Delissea undulata</i>	E
Flowering Plants	oha	<i>Delissea subcordata</i>	E
Flowering Plants	oha	<i>Delissea rhytidosperma</i>	E
Flowering Plants	oha wai	<i>Clermontia drepanomorpha</i>	E
Flowering Plants	oha wai	<i>Clermontia samuelii</i>	E

**Endangered and Threatened Species Expenditures  
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Flowering Plants	`oha wai	<i>Clermontia oblongifolia mauiensis</i>	E		
Flowering Plants	`oha wai	<i>Clermontia oblongifolia brevipes</i>	E		
Flowering Plants	`oha wai	<i>Clermontia lindseyana</i>	E		
Flowering Plants	`oha wai	<i>Clermontia pyrularia</i>	E		
Flowering Plants	`oha wai	<i>Clermontia peleana</i>	E		
Flowering Plants	ohai	<i>Sesbania tomentosa</i>	E		
Flowering Plants	`ohe`ohe	<i>Tetraplasandra gymnocarpa</i>	E		
Flowering Plants	olulu	<i>Brighamia insignis</i>	E		
Flowering Plants	onion, Munz's	<i>Allium munzii</i>	E		
Flowering Plants	opuhe	<i>Urera kaalae</i>	E		
Flowering Plants	orchid, eastern prairie fringed	<i>Platanthera leucophaea</i>	T		
Flowering Plants	orchid, western prairie fringed	<i>Platanthera praecleara</i>	T	\$1,000	\$341,000
Flowering Plants	orcutt grass, Greene's	<i>Tuctoria greenei</i>	E		
Flowering Plants	orcutt grass, hairy	<i>Orcuttia pilosa</i>	E		
Flowering Plants	orcutt grass, Sacramento	<i>Orcuttia viscida</i>	E		
Flowering Plants	orcutt grass, San Joaquin	<i>Orcuttia inaequalis</i>	T		
Flowering Plants	orcutt grass, slender	<i>Orcuttia tenuis</i>	T		
Flowering Plants	owl's-clover, fleshy	<i>Castilleja campestris succulenta</i>	T		
Flowering Plants	oxytheca, cushenbury	<i>Oxytheca parishii goodmaniana</i>	E		
Flowering Plants	paintbrush, ash-grey	<i>Castilleja cinerea</i>	T		
Flowering Plants	paintbrush, golden	<i>Castilleja levisecta</i>	T	\$100	
Flowering Plants	paintbrush, soft-leaved	<i>Castilleja mollis</i>	E		
Flowering Plants	paintbrush, Tiburon	<i>Castilleja affinis neglecta</i>	E		
Flowering Plants	palo colorado	<i>Ternstroemia luquillensis</i>	E		
Flowering Plants	palo de jazmin	<i>Styrax portoricensis</i>	E		
Flowering Plants	palo de nigua	<i>Cornutia obovata</i>	E		
Flowering Plants	palo de ramon	<i>Banara vanderbiltii</i>	E		
Flowering Plants	palo de rosa	<i>Ottoschulzia rhodoxylon</i>	E		
Flowering Plants	pamakani	<i>Tetramolopium capillare</i>	E		
Flowering Plants	pamakani	<i>Viola chamissoniana chamissoniana</i>	E		
Flowering Plants	panicgrass, Carter's	<i>Panicum fauriei carteri</i>	E		
Flowering Plants	pau'ala, (=alulu)	<i>Brighamia rockii</i>	E		
Flowering Plants	pawpaw, beautiful	<i>Deeringothamnus pulchellus</i>	E		
Flowering Plants	pawpaw, four-petal	<i>Asimina tetramera</i>	E		
Flowering Plants	pawpaw, Rugel's	<i>Deeringothamnus rugelii</i>	E		
Flowering Plants	pelos del diablo	<i>Aristida portoricensis</i>	E		
Flowering Plants	penny-cress, Kneeland Prairie	<i>Thlaspi californicum</i>	E		
Flowering Plants	pennyroyal, Todsens	<i>Hedeoma todsenii</i>	E		

**Endangered and Threatened Species Expenditures  
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Flowering Plants	penstemon, blowout	Penstemon haydenii	E	
Flowering Plants	pentachaeta, Lyon's	Pentachaeta lyonii	E	
Flowering Plants	pentachaeta, white-rayed	Pentachaeta bellidiflora	E	
Flowering Plants	peperomia, Wheeler's	Peperomia wheeleri	E	
Flowering Plants	phacelia, clay	Phacelia argillacea	E	
Flowering Plants	phacelia, island	Phacelia insularis insularis	E	
Flowering Plants	phacelia, North Park	Phacelia formosula	E	
Flowering Plants	phlox, Texas trailing	Phlox nivalis texensis	E	
Flowering Plants	phlox, Yreka	Phlox hirsuta	E	
Flowering Plants	pigeon wings	Clitoria fragrans	T	
Flowering Plants	pilo	Hedyotis mannii	E	
Flowering Plants	pink, swamp	Helonias bullata	T	
Flowering Plants	pinkroot, gentian	Spigelia gentianoides	E	
Flowering Plants	piperia, Yadon's	Piperia yadonii	E	
Flowering Plants	pitaya, Davis' green	Echinocereus viridiflorus davisii	E	
Flowering Plants	pitcher-plant, Alabama canebrake	Sarracenia rubra alabamensis	E	
Flowering Plants	pitcher-plant, green	Sarracenia oreophila	E	
Flowering Plants	pitcher-plant, mountain sweet	Sarracenia rubra jonesii	E	
Flowering Plants	plum, scrub	Prunus geniculata	E	
Flowering Plants	po'e	Portulaca sclerocarpa	E	
Flowering Plants	pogonia, small whorled	Isotria medeoloides	T	\$300
Flowering Plants	polygala, Lewton's	Polygala lewtonii	E	
Flowering Plants	polygala, tiny	Polygala smallii	E	
Flowering Plants	pondberry	Lindera melissifolia	E	
Flowering Plants	pondweed, Little Aguja Creek	Potamogeton clystocarpus	E	
Flowering Plants	popcornflower, rough	Plagiobothrys hirtus	E	
Flowering Plants	popolo `aiakeakua	Solanum sandwicense	E	
Flowering Plants	popolo ku mai	Solanum incompletum	E	
Flowering Plants	poppy, Sacramento prickly	Argemone pleiacantha pinnatisecta	E	
Flowering Plants	poppy-mallow, Texas	Callirhoe scabriuscula	E	
Flowering Plants	potato-bean, Price's	Apios priceana	T	
Flowering Plants	potentilla, Hickman's	Potentilla hickmanii	E	
Flowering Plants	prairie-clover, leafy	Dalea foliosa	E	
Flowering Plants	prickly-apple, fragrant	Cereus eriophorus fragrans	E	
Flowering Plants	prickly-ash, St. Thomas	Zanthoxylum thomasianum	E	
Flowering Plants	primrose, Maguire	Primula maguirei	T	
Flowering Plants	pussypaws, Mariposa	Calyptridium pulchellum	T	
Flowering Plants	pu`uka`a	Cyperus trachysanthos	E	



**Endangered and Threatened Species Expenditures  
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Flowering Plants	rattleweed, hairy	<i>Baptisia arachnifera</i>	E	
Flowering Plants	reed-mustard, Barneby	<i>Schoenocrambe barnebyi</i>	E	
Flowering Plants	reed-mustard, clay	<i>Schoenocrambe argillacea</i>	T	
Flowering Plants	remya, Maui	<i>Remya mauensis</i>	E	
Flowering Plants	rhododendron, Chapman	<i>Rhododendron chapmanii</i>	E	
Flowering Plants	ridge-cress, Barneby	<i>Lepidium barnebyanum</i>	E	
Flowering Plants	rock-cress, Braun's	<i>Arabis perstellata</i>	E	
Flowering Plants	rock-cress, Hoffmann's	<i>Arabis hoffmannii</i>	E	
Flowering Plants	rock-cress, McDonald's	<i>Arabis mcdonaldiana</i>	E	
Flowering Plants	rock-cress, shale barren	<i>Arabis serotina</i>	E	
Flowering Plants	rockcress, Santa Cruz Island	<i>Sibara filifolia</i>	E	
Flowering Plants	rosemary, Apalachicola	<i>Conradina glabra</i>	E	
Flowering Plants	rosemary, Cumberland	<i>Conradina verticillata</i>	T	
Flowering Plants	rosemary, Etonia	<i>Conradina etonia</i>	E	
Flowering Plants	rosemary, short-leaved	<i>Conradina brevifolia</i>	E	
Flowering Plants	roseroot, Leedy's	<i>Sedum integrifolium leedyi</i>	T	
Flowering Plants	rush-pea, slender	<i>Hoffmannseggia tenella</i>	E	
Flowering Plants	rush-rose, island	<i>Helianthemum greenei</i>	T	
Flowering Plants	sand-verbena, large-fruited	<i>Abronia macrocarpa</i>	E	
Flowering Plants	sandalwood, Lanai or 'Iliahi	<i>Santalum freycinetianum lanaiense</i>	E	
Flowering Plants	sandbur, agrimony or Kamanomano	<i>Cenchrus agrimonioides</i>	E	
Flowering Plants	sandlace	<i>Polygonella myriophylla</i>	E	
Flowering Plants	sandwort, Bear Valley	<i>Arenaria ursina</i>	T	
Flowering Plants	sandwort, Cumberland	<i>Arenaria cumberlandensis</i>	E	
Flowering Plants	sandwort, Marsh	<i>Arenaria paludicola</i>	E	
Flowering Plants	schiedea, Diamond Head	<i>Schiedea adamantis</i>	E	
Flowering Plants	seablite, California	<i>Suaeda californica</i>	E	
Flowering Plants	seagrass, Johnson's	<i>Halophila johnsonii</i>	T	
Flowering Plants	sedge, Navajo	<i>Carex specuicola</i>	T	\$250
Flowering Plants	sedge, white	<i>Carex albida</i>	E	
Flowering Plants	silversword, Haleakala	<i>Argyroxiphium sandwicense macrocephalum</i>	T	
Flowering Plants	silversword, Mauna Kea	<i>Argyroxiphium sandwicense sandwicense</i>	E	
Flowering Plants	silversword, Mauna Loa	<i>Argyroxiphium kauense</i>	E	
Flowering Plants	skullcap, Florida	<i>Scutellaria floridana</i>	T	
Flowering Plants	skullcap, large-flowered	<i>Scutellaria montana</i>	E	
Flowering Plants	snakeroot	<i>Eryngium cuneifolium</i>	E	
Flowering Plants	sneezeweed, Virginia	<i>Helenium virginicum</i>	T	
Flowering Plants	snowbells, Texas	<i>Styrax texanus</i>	E	

**Endangered and Threatened Species Expenditures  
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Flowering Plants	spineflower, Ben Lomond	Chorizanthe pungens hartwegiana	E	
Flowering Plants	spineflower, Howell's	Chorizanthe howellii	E	
Flowering Plants	spineflower, Monterey	Chorizanthe pungens pungens	T	
Flowering Plants	spineflower, Orcutt's	Chorizanthe orcuttiana	E	
Flowering Plants	spineflower, Robust	Chorizanthe robusta	E	
Flowering Plants	spineflower, slender-horned	Dodecahema leptoceras	E	
Flowering Plants	spineflower, Sonoma	Chorizanthe valida	E	
Flowering Plants	spiraea, Virginia	Spiraea virginiana	T	
Flowering Plants	spurge, deltoid	Chamaesyce deltoidea deltoidea	E	
Flowering Plants	spurge, Garber's	Chamaesyce garberi	T	
Flowering Plants	spurge, Hoover's	Chamaesyce hooveri	T	
Flowering Plants	spurge, telephus	Euphorbia telephioides	T	
Flowering Plants	stonecrop, Lake County	Parvisedum leiocarpum	E	
Flowering Plants	sumac, Michaux's	Rhus michauxii	E	
Flowering Plants	sunburst, Hartweg's golden	Pseudobahia bahiifolia	E	
Flowering Plants	sunburst, San Joaquin adobe	Pseudobahia peirsonii	T	
Flowering Plants	sunflower, Eggert's	Helianthus eggertii	T	
Flowering Plants	sunflower, Pecos	Helianthus paradoxus	T	\$920
Flowering Plants	sunflower, San Mateo woolly	Eriophyllum latilobum	E	
Flowering Plants	sunflower, Schweinitz's	Helianthus schweinitzii	E	\$12,370
Flowering Plants	sunray, Ash Meadows	Enceliopsis nudicaulis corrugata	T	
Flowering Plants	sunshine, Sonoma	Blennosperma bakeri	E	
Flowering Plants	taraxacum, California	Taraxacum californicum	E	
Flowering Plants	tarplant, Gaviota	Hemizonia increscens villosa	E	
Flowering Plants	tarplant, Otay	Hemizonia conjugens	T	
Flowering Plants	tarplant, Santa Cruz	Holocarpha macradenia	T	
Flowering Plants	thelypody, Howell's spectacular	Thelypodium howellii spectabilis	T	
Flowering Plants	thistle, Chorro Creek bog	Cirsium fontinale obispoense	E	
Flowering Plants	thistle, fountain	Cirsium fontinale fontinale	E	
Flowering Plants	thistle, La Graciosa	Cirsium loncholepis	E	
Flowering Plants	thistle, Loch Lomond coyote	Eryngium constancei	E	
Flowering Plants	thistle, Pitcher's	Cirsium pitcheri	T	
Flowering Plants	thistle, Sacramento Mountains	Cirsium vinaceum	T	\$920
Flowering Plants	thistle, Suisun	Cirsium hydrophilum hydrophilum	E	
Flowering Plants	thornmint, San Diego	Acanthomintha ilicifolia	T	
Flowering Plants	thornmint, San Mateo	Acanthomintha obovata duttonii	E	
Flowering Plants	townsendia, Last Chance	Townsendia aprica	T	
Flowering Plants	trillium, persistent	Trillium persistens	E	

**Endangered and Threatened Species Expenditures  
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Flowering Plants	trillium, relict	Trillium reliquum	E	
Flowering Plants	twinpod, Dudley Bluffs	Physaria obcordata	T	
Flowering Plants	uhiuhi	Caesalpinia kavaense	E	
Flowering Plants	uvillo	Eugenia haematocarpa	E	
Flowering Plants	vervain, Red Hills	Verbena californica	T	
Flowering Plants	vetch, Hawaiian	Vicia menziesii	E	
Flowering Plants	wallflower, Ben Lomond	Erysimum teretifolium	E	
Flowering Plants	wallflower, Contra Costa	Erysimum capitatum angustatum	E	
Flowering Plants	wallflower, Menzies'	Erysimum menziesii	E	
Flowering Plants	walnut, West Indian or nogal	Juglans jamaicensis	E	
Flowering Plants	warea, wide-leaf	Warea amplexifolia	E	
Flowering Plants	water-plantain, Kral's	Sagittaria secundifolia	T	
Flowering Plants	water-umbel, Huachuca	Lilaeopsis schaffneriana recurva	E	
Flowering Plants	water-willow, Cooley's	Justicia cooleyi	E	
Flowering Plants	watercress, Gambel's	Rorippa gambellii	E	
Flowering Plants	whitlow-wort, papery	Paronychia chartacea	T	
Flowering Plants	wild-buckwheat, clay-loving	Eriogonum pelinophilum	E	
Flowering Plants	wild-buckwheat, gypsum	Eriogonum gypsophilum	T	\$920
Flowering Plants	wild-buckwheat, southern mountain	Eriogonum kennedyi austromontanum	T	
Flowering Plants	wild-rice, Texas	Zizania texana	E	
Flowering Plants	wire-lettuce, Malheur	Stephanomeria malheurensis	E	
Flowering Plants	wireweed	Polygonella basiramaia	E	
Flowering Plants	woodland-star, San Clemente Island	Lithophragma maximum	E	
Flowering Plants	woolly-star, Hoover's	Eriastrum hooveri	T	
Flowering Plants	woolly-star, Santa Ana River	Eriastrum densifolium sanctorum	E	
Flowering Plants	wooly-threads, San Joaquin	Lembertia congdonii	E	
Flowering Plants	yerba santa, Lompoc	Eriodictyon capitatum	E	
Flowering Plants	ziziphus, Florida	Ziziphus celata	E	
Conifers and Cycads	cypress, Gowen	Cupressus goveniana goveniana	T	
Conifers and Cycads	cypress, Santa Cruz	Cupressus abramsiana	E	
Conifers and Cycads	Torreya, Florida	Torreya taxifolia	E	
Ferns and Allies	diellia, asplenium-leaved	Diellia erecta	E	
Ferns and Allies	fern, Alabama streak-sorus	Thelypteris pilosa alabamensis	T	
Ferns and Allies	fern, Aleutian shield	Polystichum aleuticum	E	
Ferns and Allies	fern, American hart's-tongue	Asplenium scolopendrium americanum	T	
Ferns and Allies	fern, Elfin tree	Cyathea dryopteroides	E	
Ferns and Allies	fern, pendant kihi	Adenophorus periens	E	
Ferns and Allies	ihi' ihi	Marsilea villosa	E	

**Endangered and Threatened Species Expenditures  
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Ferns and Allies	No common name	<i>Asplenium fragile insulare</i>	E
Ferns and Allies	No common name	<i>Diellia falcata</i>	E
Ferns and Allies	No common name	<i>Diellia pallida</i>	E
Ferns and Allies	No common name	<i>Thelypteris yaucoensis</i>	E
Ferns and Allies	No common name	<i>Thelypteris verecunda</i>	E
Ferns and Allies	No common name	<i>Thelypteris inabonensis</i>	E
Ferns and Allies	No common name	<i>Tectaria estremarana</i>	E
Ferns and Allies	No common name	<i>Polystichum calderonense</i>	E
Ferns and Allies	No common name	<i>Elaphoglossum serpens</i>	E
Ferns and Allies	No common name	<i>Diellia unisora</i>	E
Ferns and Allies	No common name	<i>Adiantum vivesii</i>	E
Ferns and Allies	No common name	<i>Diplazium molokaiense</i>	E
Ferns and Allies	No common name	<i>Pteris lidgatei</i>	E
Ferns and Allies	pauoa	<i>Ctenitis squamigera</i>	E
Ferns and Allies	quillwort, black spored	<i>Isoetes melanospora</i>	E
Ferns and Allies	quillwort, Louisiana	<i>Isoetes louisianensis</i>	E
Ferns and Allies	quillwort, mat-forming	<i>Isoetes tegetiformans</i>	E
Ferns and Allies	wawae'iole	<i>Huperzia mannii</i>	E
Ferns and Allies	wawae'iole, (=ha'iwale)	<i>Phlegmariurus nutans</i>	E
Lichens	cladonia, Florida perforate	<i>Cladonia perforata</i>	E
Lichens	lichen, rock gnome	<i>Gymnoderma lineare</i>	E

\$11,939,550      \$6,910,510



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UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
Silver Spring, MD 20910

DEC 20 2001

Mr. Marshall Jones, Jr.  
Acting Director  
U.S. Fish and Wildlife Service  
United States Department of the Interior  
Washington, D.C. 20240

Dear Mr Jones:

*Marshall*

This responds to your September 19, 2001, request for a species-by-species accounting of expenditures made for in fiscal years 1999 and 2000 for species with funds appropriated under the Endangered Species Act. Based on discussions with your staff we are also providing a summary of expenditures for fiscal year 1998. And while we are compiling all these, we summarized expenditures for 2001.

Sincerely,

*David Gotting*

for  
Donald R. Knowles  
Director  
Office of Protected Resources

Enclosure



**1998-2001 Endangered Species Act Expenditures - National Marine Fisheries Service (\$ x 1000)**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Spending FY 1998</b>	<b>Spending FY 1999</b>	<b>Spending FY 2000</b>	<b>Spending FY 2001</b>
<b><u>Fish</u></b>					
Salmon, Chinook	<i>Oncorhynchus tshawytscha</i>	3198	4390	6795	7631
Salmon, Chum	<i>Oncorhynchus keta</i>	3198	4390	6795	7631
Salmon, Coho	<i>Oncorhynchus kisutch</i>	3198	4390	6795	7631
Salmon, Sockeye	<i>Oncorhynchus nerka</i>	3198	4390	6795	7631
Trout, steelhead	<i>Oncorhynchus mykiss</i>	3198	4390	6795	7631
Sturgeon, Gulf	<i>Acipenser oxyrinchus desotoi</i>	73	32	50	136
Sturgeon shortnose	<i>Acipenser transmontanus</i>	127	125	100	350
Salmon, Atlantic	<i>Salmo salar</i>	1500	1690	2500	4517
Totoaba	<i>Cynoscion macdonaldi</i>	0	0	0	0
<b><u>Mammal</u></b>					
Dolphin, Chinese River	<i>Lipotes vexillifer</i>	0	0	0	0
Dolphin, Indus River	<i>Platanista minor</i>	0	0	0	0
Sea lion, Steller	<i>Eumetopias jubatus</i>	3040	4879	5243	33312
Seal, Caribbean monk	<i>Monachus tropicalis</i>	0	0	0	0
Seal, Guadalupe fur	<i>Arctocephalus townsendi</i>	0	0	0	0
Seal, Hawaiian monk	<i>Monachus schauinslandi</i>	1504	1052	1210	2100
Seal, Mediterranean monk	<i>Monachus monachus</i>	0	0	0	0
Seal, Siamaa	<i>Phoca hispida saimensis</i>	0	0	0	0
Whale, blue	<i>Balaenoptera musculus</i>	0	0	0	0
Whale bowhead	<i>Balaena mysticetus</i>	0	0	0	0
Whale finback	<i>Balaenoptera physalus</i>	0	0	0	0
Whale gray	<i>Eschrichtius robustus</i>	125	124	34	84

**1998-2001 Endangered Species Act Expenditures - National Marine Fisheries Service (\$ x 1000)**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Spending FY 1998</b>	<b>Spending FY 1999</b>	<b>Spending FY 2000</b>	<b>Spending FY 2001</b>
Whale humpback	<i>Megaptera novaeangliae</i>	240	131	53	53
Whale right, northern	<i>Balaena glacialis</i>	0	142	268	270
Whale right, northern	<i>Balaena glacialis</i>	1100	1400	3900	5000
Whale sei	<i>Balaenoptera borealis</i>	0	0	0	0
Whale, sperm	<i>Phyoster macrocephalus</i>	0	0	0	0
<b><u>Reptile</u></b>					
Turtle, green	<i>Chelonia mydas</i>	647	647	747	1330
Turtle, hawksbill	<i>Eretmochelys imbricata</i>	647	647	747	1930
Turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	647	647	747	1330
Turtle, leatherback	<i>Dermochelys coriacea</i>	647	647	747	1930
Turtle, loggerhead	<i>Caretta caretta</i>	647	647	747	1930
Turtle, olive ridley	<i>Lepidochelys olivacea</i>	647	647	747	1930
<b><u>Seagrass</u></b>					
Seagrass, Johnson's	<i>Halophila johnsonii</i>	111	112	148	200
<b>Candidate Species</b>					
<b><u>Fish</u></b>					
Grouper, Nassau	<i>Epinephelus striatus</i>	43	36	0	22
Grouper, warsaw	<i>Epinephelus nigritus</i>	0	0	0	22
Hind, speckled	<i>Epinephelus drummondhayi</i>		0	0	0
Goliath Grouper	<i>Epinephelus itajara</i>	104	225	133	48
Pipefish, opossum	<i>Microphis brachyurus lineatus</i>		21	0	0
Rivulus, mangrove	<i>Rivulus marmoratus</i>	0	0	0	0
Shad, Alabama	<i>Alosa alabamae</i>	0	0	0	0
Shark, dusky	<i>Carcharhinus obscurus</i>	0	0	30	0

**1998-2001 Endangered Species Act Expenditures - National Marine Fisheries Service (\$ x 1000)**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Spending FY 1998</b>	<b>Spending FY 1999</b>	<b>Spending FY 2000</b>	<b>Spending FY 2001</b>
Shark, night	<i>Carcharhinus signatus</i>	0	0	0	0
Shark, sand tiger	<i>Odontaspis taurus</i>	0	0	0	0
Silverside, Key	<i>Menidia conchorum</i>	0	0	0	0
Sturgeon, Atlantic	<i>Acipenser oxyrinchus oxyrinchus</i>	105	14	100	0
Topminnow, saltmarsh	<i>Fundulus jenkinsi</i>	0	0	0	0
Barndoor skate	<i>Raja laevis</i>	0	0	64	59
Puget Sound groundfishes	<i>various species</i>	0	0	67	149
Smalltooth sawfish <sup>1</sup>	<i>Pristis pectinata</i>	0	0	50	56
California rockfishes	<i>mult-species</i>	6	0	49	61
<b><u>Mammal</u></b>					
Whale, beluga	<i>Delphinapterus leucas</i>	109	145	284	670
Porpoise, harbor	<i>Phocoena phocoena</i>	0	150	0	0
<b><u>Invertebrates</u></b>					
Abalone, white <sup>2</sup>	<i>Haliotis sorenseni</i>	0	0	174	135
Coral spp.	<i>Acropora palmata</i>	92	85	115	100
<b>Total expenditure by species</b>		<b>28,151</b>	<b>36,195</b>	<b>53,029</b>	<b>95,879</b>
<b>Total annual ESA appropriation</b>		<b>29,779</b>	<b>38,699</b>	<b>55,470</b>	<b>102,476</b>

<sup>1</sup>Listed as endangered 2001

<sup>2</sup>Listed as endangered 2001



To: OPO

OFFICE OF THE UNDER SECRETARY OF DEFENSE

3000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3000



ACQUISITION,  
TECHNOLOGY  
AND LOGISTICS

DEC. 07 2001

Mr. Marshall P. Jones, Jr.  
Acting Director, U.S. Fish and Wildlife Service  
Department of the Interior  
Washington, DC 20240

Dear Mr. Jones:

The Department of Defense's report on FY 2000 investments for the conservation of threatened and endangered species is enclosed. This summary report does not include activities of the Army Corps of Engineers (Civil Works), who are reporting to you separately.

In FY 2000, the Military Departments invested \$38,346,362 on the conservation and management of federally listed threatened and endangered species. The Department of the Army invested \$17,398,100; the Department of the Navy invested \$7,206,762, including \$2,333,976 by the Marine Corps; the Department of the Air Force invested \$13,716,500; and the Defense Logistics Agency invested \$25,000. Summary tables of each Department's efforts by species are enclosed. We have no land acquisition costs to report.

We previously sent you a copy of our FY 1999 investments, which totaled \$27,642,940. We are including another copy of that report.

Threatened and endangered species protection continues to be a major goal of DoD's conservation program. If we can be of further assistance, please contact Mr. Peter Boice at (703) 604-0524.

Sincerely,

A handwritten signature in cursive script that reads "John Paul Woodley, Jr.".

John Paul Woodley, Jr.  
Assistant Deputy Under Secretary  
of Defense (Environment)

Enclosures:  
As stated





DEPARTMENT OF THE ARMY  
OFFICE OF THE ASSISTANT SECRETARY  
INSTALLATIONS AND ENVIRONMENT  
110 ARMY PENTAGON  
WASHINGTON DC 20310-0110

October 1, 2001

MEMORANDUM FOR DEPUTY UNDER SECRETARY OF DEFENSE  
(INSTALLATIONS AND ENVIRONMENT)

SUBJECT: FY00 US Army Threatened and Endangered Species (T&E)  
Expenditures Report Update

Reference memorandum, DASA(ESOH), 19 December 2000, Subject:  
Environmental Quality In Progress Review for the Second Half of FY00.

An updated Army FY00 Threatened and Endangered Species (T&E)  
Expenditure Report is enclosed. The original report was a component of the  
report submitted with the referenced memorandum. The revised Army  
expenditure for T&E species for FY00 is \$17,398,100.

The point of contact in this office is Ms. Toni Patton-Williams, at  
(703) 602-0183.

A handwritten signature in black ink, appearing to read "Ray Fatz".

Raymond J. Fatz  
Deputy Assistant Secretary of the Army  
(Environment, Safety and Occupational Health)  
OASA(I&E)

Enclosure

DEPARTMENT OF THE ARMY  
 FY 2000 ESTIMATED EXPENDITURES FOR  
 THREATENED AND ENDANGERED SPECIES

SPECIES NAME	ARMY EXPENDITURES \$K
<b>1. Mammals</b>	
Bat, gray	464.5
Bat, Hawaiian hoary	5
Bat, Indiana	485
Bat, lesser (=Sanborn's) long-nosed	157
Ferret, black-footed	0.1
Fox, San Joaquin kit	271
Mouse, Preble's meadow jumping	25.8
Prairie dog, black-tailed	2.2
Wolf, gray	15
Wolf, Mexican gray	0.3
Wolf, Timber	5.5
<b>SUBTOTAL:</b>	<b>1,431.40</b>
<b>2. Birds</b>	
Condor, California	1.8
Crane, whooping	0.2
Creeper, Oahu (=alauwahio)	59.5
Eagle, bald	328.4
Elepaio, Oahu	233.1

Falcon, northern aplomado	189
Flycatcher, southwestern willow	560
Owl, Mexican spotted	188.8
Palila (Loxioides bailleui)	1,205.50
Plover, mountain	0.7
Plover, piping	1.8
Pygmy-owl, cactus ferruginous	135.7
Stilt, Hawaiian (=ae`o)	15
Tern, least	2.8
Vireo, black-capped	1,422.50
Vireo, least Bell's	15
Warbler (wood), golden-cheeked	1,304.50
Woodpecker, red-cockaded	5,529.40
<b>SUBTOTAL:</b>	<b>11,193.70</b>

### **3. Reptiles**

Alligator, American	0.7
Snake, eastern indigo	76.9
Tortoise, desert	963
Tortoise, gopher	71.8
Turtle, Blanding's	18
<b>SUBTOTAL:</b>	<b>1,130.40</b>

### **4. Amphibians**

Frog , California red-legged	60
Salamander, Flatwoods	10
Salamander, Sonoran tiger	10

Toad, arroyo (=arroyo southwestern)	45
SUBTOTAL:	125
<b>5. Fish</b>	
Shiner, Topeka	8.5
Sturgeon, shortnose	75
Trout, greenback cutthroat	14.6
SUBTOTAL:	98.1
<b>6. Insect</b>	
Beetle, American burying (=giant carrion)	61.7
Butterfly, Karner blue	102.4
Butterfly, Oregon silverspot	19.5
SUBTOTAL:	183.6
<b>7. Crustacean</b>	
Fairy shrimp, vernal pool	100
Shrimp, Alabama cave	55
SUBTOTAL:	155
<b>8. Plant</b>	
`Akoko	134.3
`Anaunau	67.4
`Oha	61.3
`Ohe`ohe	18.3
Abutilon sandwicense	6.1
Alani	5.7
Alsinidendron obovatum	61.3

Alsinidendron trinerve	6.1
American chaffseed	100
Aupaka	6.1
Bonamia menziesii	61.3
Deltoid spurge	20
Diellia falcata	67.4
Eggert's sunflower	25
Haha (Cyanea acuminata)	11.8
Haha (Cyanea crispa)	5.7
Haha (Cyanea grimesiana ssp. grimesiana)	6.1
Haha (Cyanea koolauensis)	18.3
Haha (Cyanea st-johnii)	5.7
Haha (Cyanea superba)	61.3
Ha`iwale (Cyrtandra dentata)	61.3
Ha`iwale (Cyrtandra submbellata)	6.1
Ha`iwale (Cytandra viridiflora)	5.7
Hedyotis parvula	61.3
Hesperomannia arborescens	18.3
Huachuca water-umbel	10
Kamakahala	6.1
Kamanomano (=Sandbur, agrimony)	61.3
Kolea	5.7
Kulu`i	73.1
Large-flowered skullcap	0.5
Laukahi kuahiwi	67.4

Lobelia gaudichaudii ssp. koolauensis	6.1
Lobelia niihauensis	67.4
Lobelia oahuensis	67.4
Louisiana quillwort	80
Loulu	67.4
Ma`o hau hele	5.7
Ma`oli`oli	5.7
Ma'aloa (Neraudia angulata var angulata)	67.4
Ma'aloa (Neraudia angulata var dentata)	67.4
Mahoe	67.4
Mehamehame	67.4
Michaux's sumac	140
Monterey spineflower	7
Na`ena`e	61.3
Nanu	18.3
Nehe	61.3
Nioi	6.5
Opuhe	6.1
Pamakani	67.4
Pauoa	61.3
Phyllostegia hirsuta	18.3
Phyllostegia kaalaensis	6.1
Phyllostegia mollis	6.1
Price's potato-bean	1

Pteris lidgatei	11.8
Purple amole	26
Relict trillium	4
Rough-leaved loosestrife	51.5
Sanicula mariversa	61.3
Sanicula purpurea	11.8
Schiedea hookeri	67.4
Schiedea nuttallii	61.3
Silene lanceolata	61.3
Smooth coneflower	1.5
Sneed pincushion cactus	42.5
Spermolepis hawaiiensis	61.3
Tetramolopium filiforme	61.3
Todsens pennyroyal	28
Ute ladies'-tresses	13.3
Viola oahuensis	11.8
Water howellia	15
Wawae'iole	5.7
<b>SUBTOTAL:</b>	<b>2,752.80</b>

**9. Other invertebrate not covered in previous categories**

Spider, Madla's Cave	150
<b>SUBTOTAL:</b>	<b>150</b>

**10. Snails**

Pupu Kuahiwi ( <i>Achatinella apexfulva</i> )	5.7
Pupu Kuahiwi ( <i>Achatinella byronii</i> )	11.8



Pupu Kuahiwi ( <i>Achatinella curta</i> )	12.2
Pupu Kuahiwi ( <i>Achatinella decipiens</i> )	11.8
Pupu Kuahiwi ( <i>Achatinella leucorraphe</i> )	11.8
Pupu Kuahiwi ( <i>Achatinella lila</i> )	5.7
Pupu Kuahiwi ( <i>Achatinella livida</i> )	5.7
Pupu Kuahiwi ( <i>Achatinella mustelina</i> )	95.1
Pupu Kuahiwi ( <i>Achatinella sowerbyana</i> )	18.3
<b>SUBTOTAL:</b>	<b>178.1</b>
<b>ARMY TOTAL EXPENDITURES:</b>	<b>17,398.10</b>

U.S. NAVY ENDANGERED SPECIES DATABASE  
FY '00 Total Expenditures By Species

TAX. GRP	COMMON NAME	SCIENTIFIC NAME	FED STATUS	OCCURRENCE	FY00 \$\$	Comments
AMPHIB	ARROYO SOUTHWESTERN TOAD	<i>Bufo microscaphus californicus</i>	Endangered	PRESENT		
BIRD	AMERICAN PEREGRINE FALCON	<i>Falco peregrinus anatum</i>	Endangered	PRESENT	\$ 5,000	
BIRD	BALD EAGLE	<i>Haliaeetus leucocaphalus</i>	Threatened	PRESENT	\$ 18,500	
BIRD	BRISTLE-THIGHED CURLEW	<i>Numenius tahitiensis</i>	Category 2	PRESENT		
BIRD	BROWN PELICAN, PELICANO PARDO	<i>Pelecanus occidentalis</i>	Endangered	PRESENT	\$ 50,000	
BIRD	CALIFORNIA CLAPPER RAIL	<i>Rallus longirostris obsoletus</i>	Endangered	PRESENT		
BIRD	CALIFORNIA GNATCATCHER	<i>Polioptila californica</i>	Threatened	PRESENT	\$ 70,000	
BIRD	CALIFORNIA LEAST TERN	<i>Sterna antillarum browni</i>	Endangered	PRESENT	\$ 526,544	
BIRD	FERRUGINOUS HAWK	<i>Buteo regalis</i>	Category 2	PRESENT		
BIRD	FLORIDA SCRUB JAY	<i>Aphelocoma coerulescens coerulescens</i>	Threatened	POTENTIAL		
BIRD	HAWAIIAN COOT ('ALAE-KE'OKE'O) KEOK	<i>Fulica americana alai</i>	Endangered	PRESENT	\$ 3,512	
BIRD	HAWAIIAN DUCK	<i>Anas wyvilliana</i>	Endangered	PRESENT	\$ 3,512	
BIRD	HAWAIIAN GALLINULE (MOORHEN)	<i>Gallinula chloropus sandvicensis</i>	Endangered	PRESENT	\$ 3,512	
BIRD	HAWAIIAN STILT	<i>Himantopus mexicanus knudseni</i>	Endangered	PRESENT	\$ 3,512	
BIRD	INYO CALIFORNIA TOWHEE	<i>Pipilo rissalis eremophilus</i>	Threatened	PRESENT		
BIRD	LEAST BELL'S VIREO	<i>Vireo bellii pusillus</i>	Endangered	PRESENT	\$ 8,000	
BIRD	LEAST TERN	<i>Sterna Antillarum browni</i>	FL Threatened	PRESENT		
BIRD	LIGHT-FOOTED CLAPPER RAIL	<i>Rallus longirostris levipes</i>	Endangered	PRESENT	\$ 109,170	
BIRD	MARbled MURRELET	<i>Brachyramphus marmoratus</i>	Threatened	POTENTIAL	\$ 12,500	
BIRD	MARIANA COMMON MOORHEN	<i>Gallinula chloropus guami</i>	Endangered	PRESENT		
BIRD	MARIANA CROW	<i>Corvus kubaryi</i>	Endangered	PRESENT		
BIRD	MARIANA GREY SWIFLET	<i>Aerodramus vanikorensis bartschi</i>	Endangered	PRESENT		
BIRD	MICRONESIAN MEGAPODE	<i>Megapodius lapeurouze</i>	Endangered	PRESENT		
BIRD	MEXICAN SPOTTED OWL	<i>Strix occidentalis lucida</i>	Threatened	PRESENT	\$ 2,500	
BIRD	NORTHERN SPOTTED OWL	<i>Strix occidentalis caurina</i>	Threatened	POTENTIAL	\$ 1,500	
BIRD	OAHU CREEPER	<i>Paroreomyza maculata</i>	Endangered	POTENTIAL		
BIRD	RED-COCKADED WOODPECKER	<i>Picoides borealis</i>	Endangered	PRESENT	\$ 11,158	
BIRD	ROSEATE TERN, TIERRA ROSADA	<i>Sterna dougallii</i>	Threatened	POTENTIAL		
BIRD	SAN CLEMENTE ISLAND LOGGERHEAD S	<i>Lanius ludovicianus meamsi</i>	Endangered	PRESENT	\$ 2,442,150	
BIRD	SAN CLEMENTE ISLAND SAGE SPARROW	<i>Amphispiza belli clementeae</i>	Threatened	PRESENT	\$ 44,600	
BIRD	SOUTHWESTERN WILLOW FLYCATCHER	<i>Empidonax traillii extimus</i>	Endangered	PRESENT		
BIRD	TINIAN MONARCH	<i>Monarcha takatsukasae</i>	Threatened	PRESENT		
BIRD	WESTERN SNOWY PLOVER	<i>Charadrius alexandrinus nivosus</i>	* dual status (T)	PRESENT	\$ 108,755	
BIRD	WHOOPING CRANE	<i>Grus americana</i>	Endangered	POTENTIAL		
BIRD	WOOD STORK; MANSHACO	<i>Mycteria americana</i>	Endangered	POTENTIAL	\$ 500	
BIRD	YELLOW-SHOULDERED BLACKBIRD, MA	<i>Agelaius xanthomus</i>	Endangered	PRESENT	\$ 60,000	
BIRD	CALIFORNIA BROWN PELICAN	<i>Pelecanus occidentalis californicus</i>	Endangered	PRESENT		
CRUST	SAN DIEGO FAIRY SHRIMP	<i>Branchinecta sandiegoensis</i>	Endangered	PRESENT	\$ 16,250	
CRUST	RIVERSIDE FAIRY SHRIMP	<i>Streptocephalus wooltoni</i>	Endangered	PRESENT		
FISH	MOHAVE TUI CHUB	<i>Gila bicolor mohavensis</i>	Endangered	PRESENT		
FISH	TIDEWATER GOBY	<i>Eucyclogobius newberryi</i>	Endangered	PRESENT		
FISH	HOOD CANAL SUMMER RUN CHUM SALM	Unknown	Threatened	PRESENT	\$ 26,000	
INSECT	PALOS VERDES BLUE BUTTERFLY	<i>Glaucopsyche lygdamus palosverdeseni</i>	Endangered	PRESENT	\$ 29,000	

U.S. NAVY ENDANGERED SPECIES DATABASE  
FY '00 Total Expenditures By Species

TAX. GRP	COMMON NAME	SCIENTIFIC NAME	FED STATUS	OCCURRENCE	FY00 \$\$	Comments
INSECT	QUINO CHECKERSPOT BUTTERFLY	<i>Euphydryas editha quino</i> (=E. s. wrighti)	Proposed Endangered	POTENTIAL	\$ 5,000	
MAMMAL	DISMAL SWAMP (SE) SHREW	<i>Sorex longirostris fisheri</i>	Threatened	PRESENT		
MAMMAL	FRESNO KANGAROO RAT	<i>Dipodomys nitratoides exilis</i>	Endangered	PRESENT	\$ 50,624	
MAMMAL	GREY WOLF	<i>Canis lupus</i>	Endangered	PRESENT		
MAMMAL	HAWAIIAN MONK SEAL	<i>Monachus schauinslandi</i>	Endangered	PRESENT	\$ 5,000	
MAMMAL	HUMPBACK WHATE	<i>Megaptera novaeangliae</i>	Endangered	PRESENT	\$ 50,000	
MAMMAL	INDIANA BAT	<i>Myotis sodalis</i>	Endangered	POTENTIAL		
MAMMAL	JAGUARUNDI	<i>Felis yagouaroundi cacomitli</i>	Endangered	POTENTIAL		
MAMMAL	LOWER KEYS MARSH RABBIT	<i>Sylvilagus palustris hefneri</i>	Endangered	PRESENT	\$ 35,000	
MAMMAL	MARIANA FRUIT BAT	<i>Pteropus mariannus mariannus</i>	Endangered	PRESENT		E-in W. Pacific (Guam, Rota, Tinian, Saipan, Agulguan
MAMMAL	NORTHERN RIGHT WHALE	<i>Balaena glacialis</i> (incl. <i>australis</i> )	Endangered	PRESENT	\$ 1,250	
MAMMAL	OCELOT, TIGRILLO	<i>Felis pardalis</i>	Endangered	POTENTIAL		T-CA,OR,WA, Mexlco
MAMMAL	PACIFIC POCKET MOUSE	<i>Perognathus longimembris pacificus</i>	Endangered	PRESENT		
MAMMAL	PERDIDO KEY BEACH MOUSE	<i>Peromyscus polionotus trissyllepsis</i>	Endangered	PRESENT		
MAMMAL	SALT MARSH HARVEST MOUSE	<i>Reithrodontomys raviventris</i>	Endangered	PRESENT	\$ 43,790	
MAMMAL	SAN JOAQUIN KIT FOX	<i>Vulpes macrotis mutica</i>	Endangered	PRESENT		
MAMMAL	SANBORN'S LONG-NOSED BAT	<i>Leptonycteris curasoae</i> (=sanborni) yert	Endangered			
MAMMAL	SILVER RICE RAT	<i>Oryzomys palustris natator</i> (=O. argente	Endangered	POTENTIAL		
MAMMAL	SONORAN PRONGHORN	<i>Antilocapra americana sonoriensis</i>	Endangered	PRESENT		
MAMMAL	STELLER SEA-LION (NORTHERN)	<i>Eumetopias jubatus</i>	Threatened	PRESENT	\$ 2,000	
MAMMAL	STEPHEN'S KANGAROO RAT	<i>Dipodomys stephensi</i>	Endangered	PRESENT	\$ 21,100	
MAMMAL	TIPTON KANGAROO RAT	<i>Dipodomys nitratoides nitratoides</i>	Endangered	PRESENT		
MAMMAL	WEST INDIAN MANATEE; MANATI	<i>Trichechus manatus</i>	Endangered	PRESENT	\$ 15,000	Included with turtle survey expenses for NAVST
MOLLUSC	OAHU TREE SNAIL, PUPU KUAHIWI	<i>Achatinella mustelina</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Abutilon sandwicense</i>	Endangered	POTENTIAL		
PLANT	(no common name)	<i>Bonamia menziesii</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Diellia falcata</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Hedyotis parvula</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Neraudia angulata</i> var. <i>angulata</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Neraudia angulata</i> var. <i>dentata</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Silene perlmanii</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Tertramolopium lepidotum</i> ssp. <i>lepidotum</i>	Endangered	PRESENT		
PLANT	(no common name)	<i>Vigna o-wahuensis</i>	Endangered	PRESENT		
PLANT	'AKOKO, KOKO, 'EKOKO, KOKOMALEI	<i>Chamaesyce kuwaleana</i>	Endangered	PRESENT		
PLANT	'HI 'IHI, 'IHI LA'AU	<i>Marsilea villosa</i>	Endangered	PRESENT		
PLANT	'OHA	<i>Sesbania tomentosa</i>	Endangered	PRESENT		
PLANT	'OLOPU; PAMAKANI	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Endangered	PRESENT		
PLANT	ALANI	<i>Melicope pallida</i>	Endangered	PRESENT		
PLANT	ALEUTIAN SHIELD FERN (HOLLY FERN)	<i>Polystichum aleuticum</i>	Endangered	PRESENT		
PLANT	HAWAIIAN PEPPERWORT	N/A	N/A	N/A		
PLANT	KNIESKERN'S BEAKED-RUSH	<i>Rhynchospora knieskernii</i>	Threatened	PRESENT	\$ 600	
PLANT	KULU'I	<i>Nototrichium humile</i>	Endangered	PRESENT		
PLANT	LANE MOUNTAIN MILK VETCH	<i>Astragalus jaegerianus</i>	Endangered	POTENTIAL		
PLANT	LEWTON'S POLYGALA	<i>Polygala lewtonii</i>	Endangered	POTENTIAL		
PLANT	MAHOE, 'ALA'ALAHUA	<i>Alectryon macrococcus</i>	Endangered	PRESENT		

U.S. NAVY ENDANGERED SPECIES DATABASE  
FY '00 Total Expenditures By Species

TAX. GRP	COMMON NAME	SCIENTIFIC NAME	FED STATUS	OCCURRENCE	FY00 \$\$	Comments
PLANT	MEHAMEHAME	<i>Fueggia neowawraea</i>	Endangered	POTENTIAL		
PLANT	NEHE	<i>Lipochaeta lobata var leptophylla</i>	Endangered	PRESENT		
PLANT	OPUHE	<i>Ureva kaalae</i>	Endangered	PRESENT		
PLANT	ROUGH-LEAFED LOOSESTRIFE	<i>Lysimachia asperulaefolia</i>	Endangered	PRESENT		E-in NC, SC
PLANT	ROUND-LEAVED CHAFF-FLOWER	<i>Achyranthes splendens var rotundata</i>	Endangered	PRESENT		
PLANT	SALT MARSH BIRD'S-BEAK	<i>Cordylanthus maritimus ssp maritimus</i>	Endangered	PRESENT	\$ 52,500	
PLANT	SAN CLEMENTE ISLAND BROOM	<i>Lotus dendroideus var traskiae</i>	Endangered	PRESENT	\$ 46,500	
PLANT	SAN CLEMENTE ISLAND BUSH MALLOW	<i>Malacothamnus clementinus</i>	Endangered	PRESENT	\$ 15,833	
PLANT	SAN CLEMENTE ISLAND INDIAN PAINTBR	<i>Castilleja grisea</i>	Endangered	PRESENT	\$ 46,500	
PLANT	SAN CLEMENTE ISLAND LARKSPUR	<i>Delphinium variegatum ssp kinkiense</i>	Endangered	PRESENT	\$ 15,833	
PLANT	SAN CLEMENTE ISLAND WOODLAND STA	<i>Lithophragma maximum</i>	Endangered	PRESENT	\$ 15,833	
PLANT	SAN DIEGO BUTTON-CELERY	<i>Eryngium aristulatum var parishii</i>	Endangered	PRESENT		
PLANT	SAN DIEGO MESA MINT	<i>Pogogyne abramsii</i>	Endangered	PRESENT	\$ 16,250	
PLANT	SANTA CRUZ ISLAND ROCKCRESS	<i>Sibara liliifolia</i>	Endangered	PRESENT	\$ 15,833	
PLANT	SHALE-BARREN ROCKCRESS	<i>Arabis serotina</i>	Endangered	PRESENT		
PLANT	SLENDER RUSH-PEA	<i>Hoffmannseggia tenella</i>	Endangered	POTENTIAL		
PLANT	SMALL WHORLED POGONIA	<i>Isotria medeoloides</i>	Threatened	POTENTIAL		
PLANT	SOUTH TEXAS AMBROSIA	<i>Ambrosia cheiranthifolia</i>	Endangered	PRESENT		
PLANT	SWAMP PINK	<i>Helonias bullata</i>	Threatened	PRESENT		
PLANT	VELVETY PHYLLOSTEGIA	<i>Phyllostegia mollis</i>	Endangered	PRESENT		
PLANT	WILLOWY MONARDELLA	<i>Monardella linoidea ssp viminea</i>	Proposed Endangered	PRESENT		
REPTILE	AMERICAN ALLIGATOR	<i>Alligator mississippiensis</i>	Threatened (S/A)	PRESENT	\$ 1,500	
REPTILE	BLUNT-NOSED LEOPARD LIZARD	<i>Gambelia (=Crotaphytus) silus</i>	Endangered	PRESENT		
REPTILE	BOG TURTLE	<i>Clemmys muhlenbergi</i>	Threatened	PRESENT		
REPTILE	DESERT TORTOISE	<i>Gopherus agassizii</i>	* dual status (T)	PRESENT		
REPTILE	EASTERN INDIGO SNAKE	<i>Drymarchon corais couperi</i>	Threatened	PRESENT	\$ 450	
REPTILE	FLAT-TAIL HORNED LIZARD	<i>Phrynosoma mcallii</i>	Proposed Threatened	PRESENT	\$ 21,965	
REPTILE	GOPHER TORTOISE	<i>Gopherus polyphemus</i>	FL special consideraiont	PRESENT		
REPTILE	GREEN SEA TURTLE; TORTUGA	<i>Chelonia mydas</i>	* dual status (T)	PRESENT	\$ 800,250	NAVSTARR expenditure (800K) includes all spe
REPTILE	HAWKSBILL; CAREY TURTLE	<i>Eretmochelys imbricata</i>	Endangered	PRESENT		
REPTILE	ISLAND NIGHT LIZARD	<i>Xantusia riversiana</i>	Threatened	PRESENT		
REPTILE	LEATHERBACK SEA TURTLE; TINGLAR	<i>Dermochelys coriacea</i>	Endangered	PRESENT		
REPTILE	LOGGERHEAD SEA TURTLE; CABEZON	<i>Caretta caretta</i>	Threatened	POTENTIAL	\$ 38,000	
REPTILE	PUERTO RICAN BOA	<i>Epicrates inornatus</i>	Endangered	PRESENT		
REPTILE	SAND SKINK	<i>Neosaps reynoldsi</i>	Threatened	POTENTIAL		
REPTILE	SOUTHWESTERN POND TURTLE	<i>Clemmys marmorata pallida</i>	Category 1	PRESENT		
124	<b>TOTAL, of which:</b>				<b>\$ 4,872,786</b>	
1	<b>AMPHIBIAN</b>		90	<b>Endangered</b>		
36	<b>BIRD</b>		22	<b>Threatened</b>		
2	<b>CRUSTACEAN</b>		3	<b>Dual status</b>		
3	<b>FISH</b>		2	<b>Prop. Endangered</b>		
2	<b>INSECT</b>		1	<b>Prop. Threatened</b>		
22	<b>MAMMAL</b>		3	<b>Species of Concern, old Category 1 or 2s</b>		
1	<b>MOLLUSK</b>		1	<b>Not available</b>		
42	<b>PLANT</b>		122	<b>Total</b>		
15	<b>REPTILE</b>					

## Threatened/Endangered Species Expeniutres on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
			<u>12 Federally listed:</u> American Aligator (T), Atlantic Loggerhead Turtle (T), Atlantic Green Turtle (E), Eastern Indigo snake (T), Florida Scrub Jay (T), Piping Plover (T), Bald Eagle (T), Wood Stork (E), Red Cockaded Woodpecker (E), Audubons Crested Caracara (T), Roseate Tern (T), Backmans Warbler (E), West Indian Manatee (E).			
MacDill AFB	FL			Salary/management, Section 7 consult.	\$0.00	\$4.00
Schriever AFB	CO		All	Base Wide T&E Survey	\$10.00	\$1.00
Cape Canaveral AFS	FL		All species	Section 7 consultation	\$4.00	
Cape Canaveral AFS	FL		All species	Document launch effects	\$56.00	
Arnold AFB	TN		Bat, Gray	Population monitoring	\$15.00	
Arnold AFB	TN		Bat, Gray	Survey	\$31.00	
Arnold AFB	TN		Bat, Gray	Habitat management	\$55.00	
Arnold AFB	TN		Bat, Indiana	Survey	\$28.00	
Wright-Patterson AFB	OH		Bat, Indiana	Survey, Management Plan, Educational Materials	\$90.00	
McClellan AFB	CA		Beetle, Valley Elderberry Longhorn	Section 7 Consultation	\$38.00	
Fairchild AFB	WA		Catchfly, Spalding's	Habitat Mgt/Monitoring	\$20.00	\$0.00
F. E. Warren AFB	WY		Crane, Whooping	Consultation		\$1.00

## Threatened/Endangered Species Expenditures on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
Andersen AFB	GU		Crow, Mariana	Staff salary for Sec 7, field work		\$20.00
F. E. Warren AFB	WY		Curlew, Eskimo	Consultation		\$1.00
Eglin AFB	FL	210	Darter, Okaloosa	Section 7 Consultation	\$24.00	
Eglin AFB	FL	211	Darter, Okaloosa	Habitat protection	\$715.00	
Eglin AFB	FL	212	Darter, Okaloosa	Monitoring	\$24.00	
Andrews AFB	MD		Eagle, bald	Information, Awareness	\$0.00	\$35.00
Arnold AFB	TN	71	Eagle, Bald	Population monitoring		\$1.50
Avon Park Range	FL	71	Eagle, bald	Habitat management		\$5.00
Barksdale AFB	LA		Eagle, bald	Habitat protection/management	\$70.00	
Buckley AFB	CO		Eagle, bald	population monitoring	\$75.00	
F. E. Warren AFB	WY		Eagle, Bald	Consultation		\$1.00
Holloman AFB	NM		Eagle, bald	Survey habitat	\$252.00	
MacDill AFB	FL		Eagle, bald	Habitat improvement	\$0.00	\$2.00
Moody AFB	GA		Eagle, bald	Habitat protection/management	\$95.00	
Moody AFB	GA		Eagle, bald	Survey habitat	\$65.00	
611th CES Sites	AK		Eider, Steller's/Spectacled	Combined study/eval., USFWS	\$123.00	
Elmendorf AFB	AK		Falcon, American Peregrine	Migrtn. study as training mitig.	\$100.00	
Buckley AFB	CO		Falcon, American Peregrine	population monitoring	\$22.00	
Buckley AFB	CO		Falcon, northern Aplomado	population monitoring	\$75.00	
Dyess AFB	TX		Falcon, northern Aplomado	Survey habitat		\$80.00
Holloman AFB	NM		Falcon, northern Aplomado	Survey habitat	\$421.00	
Cannon AFB	NM		Ferret, black-footed	Status survey	\$32.50	\$1.30
F. E. Warren AFB	WY		Ferret, Black-footed	Propagation; research		\$2.00
Buckley AFB	CO		Flycatcher, Southwest Willow	population monitoring	\$75.00	
Holloman AFB	NM		Flycatcher, Southwest Willow	Survey habitat	\$1,090.00	
Vandenberg AFB	CA		Flycatcher, Southwest Willow	Surveys/monitoring	\$23.50	
Vandenberg AFB	CA		Frog, California red-legged	Habitat studies/surveys	\$11.00	
Andrews AFB	MD		Gerardia, Sand Plain	Habitat survey/management	\$10.00	\$0.00

## Threatened/Endangered Species Expenditures on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
Andrews AFB	MD		Gerardia, Sand Plain	Protection, expansion	\$7.50	\$0.00
Travis AFB	CA		Goldfields, Contra Costa	Mitigation	\$45.00	\$20.00
USAFA	CO		Greenback Cutthroat Trout	Population Survey		\$0.50
Avon Park Range	FL	83	Jay, Florida scrub	Annual census	\$69.00	
Avon Park Range	FL	83	Jay, Florida scrub	Habitat management	\$30.00	\$10.00
Avon Park Range	FL	83	Jay, Florida scrub	Habitat characterization	\$99.00	
Cape Canaveral AFS	FL		Jay, Florida Scrub	Scrub restoration work	\$206.00	
Cape Canaveral AFS	FL		Jay, Florida Scrub	TNC Census	\$127.00	
Cape Canaveral AFS	FL		Jay, Florida Scrub	Scrub Vegetation Monitoring	\$100.00	
Cape Canaveral AFS	FL		Jay, Florida Scrub	Exotic Vegetation Control	\$50.00	
Cape Canaveral AFS	FL		Jay, Florida Scrub	FWS burn assistance program	\$20.00	
Vandenberg AFB	CA		Layia, beach		\$0.00	
USAFA	CO		Mouse, Prebles Meadow Jumping	Staff Salary, Travel, Meetings		\$15.00
USAFA	CO		Mouse, Prebles Meadow Jumping	Habitat Mitigation	\$1.50	\$1.00
USAFA	CO		Mouse, Prebles Meadow Jumping	Population Research		\$35.00
USAFA	CO		Mouse, Prebles Meadow Jumping	Additional Construction Costs	\$400.00	
F. E. Warren AFB	WY		Mouse, Preble's Meadow Jumping	Population Survey	\$9.00	
F. E. Warren AFB	WY		Mouse, Preble's Meadow Jumping	Habitat Mgmt.; Habitat Restor.; Consultation		\$21.00

## Threatened/Endangered Species Expenditures on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
Tyndall AFB	FL	27	Mouse, Southern Beach	Population Survey	\$7.50	\$0.00
Tyndall AFB	FL	27	Mouse, Southern Beach	Habitat Restoration	\$12.00	\$0.00
Air National Guard	USA		Multiplespecies	Section 7 Consulation	\$10.00	
F. E. Warren AFB	WY		Orchid, Western Prairie Fringed	Consultation		\$1.00
Patrick AFB	FL		Osprey	Habitat Management	\$23.00	
Vandenberg AFB	CA		Otter, southern sea		\$0.00	
Goldwater Range	AZ	8	Owl, Cactus Ferruginous Pygmy	Overflight Evaluation	\$105.00	\$0.00
Goldwater Range	AZ	8	Owl, Cactus Ferruginous Pygmy	In-house Surveys (est.)	\$0.00	\$10.00
Goldwater Range	AZ	8	Owl, Cactus Ferruginous Pygmy	Recovery Team Participation (est.)	\$0.00	\$2.00
Buckley AFB	CO		Owl, Mexican spotted	population monitoring	\$75.00	
Holloman AFB	NM		Owl, Mexican spotted	Salary		\$5.00
Holloman AFB	NM		Owl, Mexican spotted	Travel		\$3.00
Holloman AFB	NM		Owl, Mexican spotted	Study ecology	\$488.00	
Holloman AFB	NM		Owl, Mexican spotted	Survey habitat	\$629.00	
Vandenberg AFB	CA		Pelican, California brown	Population monitoring	\$66.50	
F. E. Warren AFB	WY		Plant, Colorado Butterfly	Population Survey	\$6.00	
F. E. Warren AFB	WY		Plant, Colorado Butterfly	Habitat Mgmt.; Consultation	\$20.00	\$1.00
F. E. Warren AFB	WY		Plover, Piping	Consultation		\$1.00
Tyndall AFB	FL		Plover, Piping	Population Survey	\$1.00	\$0.00
Tyndall AFB	FL		Plover, Snowy	Law Enforcement	\$5.00	\$0.00
Vandenberg AFB	CA		Plover, western snowy	Population monitoring/GIS	\$99.00	\$12.00
Vandenberg AFB	CA		Plover, western snowy	Enforcement/signs	\$6.00	\$7.70
Vandenberg AFB	CA		Plover, western snowy	Management plan/EA [EIAP funds]		\$140.00
Peterson AFB	CO		Preble's Meadow Jumping Mouse	development of Recovery Plan	\$4.50	\$0.00



## Threatened/Endangered Species Expenditures on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
F. E. Warren AFB	WY		Pronghorn, Peninsular	Propagation; research		\$2.00
Goldwater Range	AZ	32	Pronghorn, Sonoran	Monitoring at Tactical Ranges	\$305.40	\$0.00
Goldwater Range	AZ	32	Pronghorn, Sonoran	Pronghorn Habitat Enhancements	\$159.80	\$0.00
Goldwater Range	AZ	32	Pronghorn, Sonoran	Night Mission Effects Study	\$100.00	\$0.00
Goldwater Range	AZ	32	Pronghorn, Sonoran	Remote Sensing on Annual Animal Movement	\$0.00	\$0.00
Goldwater Range	AZ	32	Pronghorn, Sonoran	Noise Effects on Fawns	\$20.00	\$0.00
Goldwater Range	AZ	32	Pronghorn, Sonoran	Noise Effects Studies	\$105.00	\$0.00
Andersen AFB	GU		Rail, Guam	Snake exclosure for rail introduct.		\$210.00
Norton AFB	CA		Rat, San Bernardino Merriam's Kangaroo		\$1.50	
March AFB	CA		Rat, Stephen's Kangaroo		\$3.00	
Eglin AFB	FL		Salamander, Flatwoods	Section 7 Consultation	\$12.00	
Moody AFB	GA		Salamander, flatwoods	Survey population	\$71.00	
Hurlburt Field	FL		Salamander, Flatwoods	Inventory		\$14.00
Cape Canaveral AFS	FL		Sea Turtle	Monitoring	\$93.00	

## Threatened/Endangered Species Expenditures on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
Patrick AFB	FL		Sea Turtles	Population monitoring	\$20.00	
Beale AFB	CA		Shrimp, vernal pool fairy	Habitat restoration/mitigation	\$208.00	\$2.00
Beale AFB	CA		Shrimp, vernal pool fairy	Habitat protection/management		\$9.00
McClellan AFB	CA		Shrimp, Vernal Pool Fairy	Section 7 Consultation	\$38.50	
McClellan AFB	CA		Shrimp, Vernal Pool Fairy	Habitat survey and management	\$25.50	
Travis AFB	CA		Shrimp, Vernal pool fairy	Protection		\$10.00
Beale AFB	CA		Shrimp, vernal pool tadpole	Habitat restoration/mitigation	\$208.00	\$2.00
Beale AFB	CA		Shrimp, vernal pool tadpole	Habitat protection/management		\$9.00
Avon Park Range	FL		Snake, eastern indigo	Survey population	\$100.00	
Moody AFB	GA		Snake, eastern indigo	Habitat protection/management	\$35.00	
McClellan AFB	CA		Snake, Giant Garter	Section 7 Consultation	\$38.50	
McClellan AFB	CA		Snake, Giant Garter	Habitat survey and management	\$25.00	
Avon Park Range	FL	116	Sparrow, Florida grasshopper	Annual census	\$50.00	
Avon Park Range	FL	116	Sparrow, Florida grasshopper	Conduct regional survey	\$24.00	
Avon Park Range	FL	116	Sparrow, Florida grasshopper	Survey habitat	\$60.00	
Beale AFB	CA		Steelhead, Central Valley	Habitat protection/management		\$1.00
F. E. Warren AFB	WY		Sturgeon, Pallid	Consultation		\$1.00
Arnold AFB	TN		Sunflower, Eggert's	Population monitoring	\$100.00	
Arnold AFB	TN		Sunflower, Eggert's	Habitat management	\$85.00	
Vandenberg AFB	CA		Tern, California least	Population monitoring/protection	\$69.30	
Vandenberg AFB	CA		Tern, California least	Avian predator management	\$30.00	
F. E. Warren AFB	WY		Tern, Interior Least	Consultation		\$1.00
Edwards AFB	CA	156	Tortoise, Desert	Project mitigation	\$648.00	
Edwards AFB	CA	156	Tortoise, Desert	Project Support Section 7	\$692.00	\$90.00
Edwards AFB	CA	156	Tortoise, Desert	Section 7 Consultation	\$36.00	
George AFB	CA		Tortoise, Desert		\$2.00	
Nellis AFB	NV		Tortoise, desert	Habitat protection/management	\$75.00	
Cape Canaveral AFS	FL		Tortoise, Gopher	Relocation	\$100.00	

## Threatened/Endangered Species Expenditures on Air Force Installations FY00

Installation	State	Species Account#	Species	Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
Cape Canaveral AFS	FL		Turtle, Green Sea	Survey	\$69.00	
Eglin AFB	FL	160	Turtle, Green Sea & Loggerhead	Habitat protection & monitoring	\$42.00	
Moody AFB	GA		Turtle, loggerhead	Habitat protection/management	\$50.00	
Tyndall AFB	FL	160	Turtle, Loggerhead	Law Enforcement	\$6.20	\$0.00
Tyndall AFB	FL	160	Turtle, Loggerhead	Nest Monitoring	\$60.80	\$0.00
Tyndall AFB	FL	160	Turtle, Loggerhead	Habitat Restoration	\$20.00	\$0.00
Tyndall AFB	FL	160	Turtle, Loggerhead	Education	\$1.00	\$0.00
Dyess AFB	TX		Vireo, black-capped	Habitat analysis/protection	\$0.50	\$1.00
March AFB	CA		Vireo, least Bell's		\$1.00	
Dyess AFB	TX		Water snake, Concho	Habitat analysis/protection	\$0.50	\$5.00
Vandenberg AFB	CA		Watercress, Gambel's		\$0.00	
Eglin AFB	FL		Whales	Section 7 Consultation	\$14.00	
Avon Park Range	FL	136	Woodpecker, red-cockaded	Translocation	\$2.00	
Avon Park Range	FL	136	Woodpecker, red-cockaded	Annual census	\$103.00	
Avon Park Range	FL	136	Woodpecker, red-cockaded	Habitat management	\$20.00	\$10.00
Avon Park Range	FL	136	Woodpecker, red-cockaded	Conduct regional survey	\$74.00	
Eglin AFB	FL	136	Woodpecker, Red-cockaded	Habitat protection & monitoring	\$1,977.00	
Eglin AFB	FL	137	Woodpecker, Red-cockaded	Section 7 Consultation	\$36.00	
Seymour Johnson AFB	NC	136	Woodpecker, red-cockaded	Habitat protection/management	\$152.00	
Seymour Johnson AFB	NC	136	Woodpecker, red-cockaded	Habitat protection/management	\$150.00	
Seymour Johnson AFB	NC	136	Woodpecker, red-cockaded	Survey population	\$20.00	
Seymour Johnson AFB	NC	136	Woodpecker, red-cockaded	Training/Travel	\$5.00	
Shaw AFB	SC	136	Woodpecker, red-cockaded	Habitat protection/management	\$102.00	

## Threatened/Endangered Species Expenditures on Air Force Installations FY00

		Species			Programmed	Non-Programmed
Installation	State	Account#	Species	Purpose	Amount (\$K)	Amount (\$K)
Shaw AFB	SC	136	Woodpecker, red-cockaded	Habitat restoration/mitigation	\$36.00	
Shaw AFB	SC	136	Woodpecker, red-cockaded	Training	\$8.00	
Shaw AFB	SC	136	Woodpecker, red-cockaded	Supplies	\$1.00	
Shaw AFB	SC	136	Woodpecker, red-cockaded	Salary - RCW Coordinator	\$45.00	
Norton AFB	CA		Woolly-star, Santa Ana River		\$1.50	
<b>AIR FORCE EXPENDITURES FOR THREATENED AND ENDANGERED SPECIES FY00:</b>					<b>\$12,909.50</b>	<b>\$807.00</b>
<b>TOTAL AIR FORCE EXPENDITURES FOR THREATENED AND ENDANGERED SPECIES FY00:</b>					<b>\$13,716.50</b>	

**DoD Conservation Program Review**  
 Data Request for Second Half of FY 2000 (1 April 2000 – 30 September 2000)  
 Component: United States Marine Corps

**Threatened and Endangered Species**

<b>MCLB Albany</b>	
American Alligator	\$3,500
Woodstork	\$4,000
<b>Total 2 Species</b>	
<b>MCLB Barstow</b>	
Gopherus agassizii (Mojave Desert Tortoise)	\$2,000
<b>Total 1 Species</b>	
<b>MCB Hawaii</b>	
Himantopus mexicanus knudseni (Hawaiian Stilt)	\$16,454
Fulica americana alai (Hawaiian Coot)	\$100,711
Gallinula chloropus sandivicensis (Hawaiian Gallinule)	\$100,711
Anas wyvilliana (Hawaiian Koloa Duck)	\$100,237
<b>Total 4 Species</b>	
<b>MCB Camp Lejeune</b>	
Caretta caretta (Atlantic Loggerhead Sea Turtle)	\$78,679
Picoides borealis (Red-Cockaded Woodpecker)	\$327,745
Lysimachia asperulaefolia (Rough-Leaved Loosestrife)	\$87,972
<b>Total 3 Species</b>	
<b>MCAS Miramar</b>	
Eryngium aristulatum (San Diego Button Celery)	\$15,551
Pogogyne abramsii (San Diego Mesa Mint)	\$15,551
Navarretia fossalis (Spreading Navarretia)	\$15,551
Aretstaphylos glandulosa (Del Mar Manzanita)	\$14,600
Vrachinecta san diegoensis (San Diego Fairy Shrimp)	\$26,267
Polioptila californica californica (California Gnatcatcher )	\$50,500
Orcuttia California (California Orcutt's Grass)	\$6,200
<b>Total 7 Species</b>	
<b>MCAS Pendleton</b>	
Bufo microscaphus californicus (Arroyo Southwestern Toad)	\$65,616
Quino Checkerspot Butterfly	\$8,000
Stephens Kangaroo Rat	\$573
Riverside and San Diego Fairy Shrimp	\$2,000
<b>Total 4 Species</b>	

**DoD Conservation Program Review**  
 Data Request for Second Half of FY 2000 (1 April 2000 – 30 September 2000)  
 Component: United States Marine Corps

<b>MCB Pendleton</b>	
Empidonax traillii extimus (Southwestern Willow Flycatcher)	\$173,750
Bufo microscaphus californicus (Arroyo Southwestern Toad)	\$170,891
Poliopitula californica californica (Coastal California Gnatcatcher)	\$110,000
Perognathus longimembris pacificus (Pacific Pocket Mouse)	\$100,000
Dipodomys stephensi (Stephens' Kangaroo Rat)	\$100,000
Button-celery, San Diego	\$25,558
Navarettia, spreading	\$25,558
Goby, tidewater	\$84,891
California least tern	\$13,000
Western snowy plover	\$58,000
Least Bell's Vireo	\$173,750
Riverside Fairy Shrimp	\$25,558
San Diego Fairy Shrimp	\$25,558
<b>Total 13 Species</b>	
<b>MCB Quantico</b>	
Isotria medeoloides (Small Whorled Pogonia)	\$10,266
Bald Eagle	\$1,000
<b>Total 2 Species</b>	
<b>MCAGCC Twentynine Palms</b>	
Gopherus agassizii (Mojave Desert Tortoise)	\$147,828
<b>Total 1 Species</b>	
<b>MCAS Yuma</b>	
Gopherus agassizii (Mojave Desert Tortoise)	\$34,000
Sonoran Proghorn Antelope	\$11,950
<b>Total 2 Species</b>	
<b>TOTAL 39 species with spending this FY</b>	<b>\$2,333,976</b>

**D. Program Enhancements**

**Habitat Restoration & Enhancement (No. of Acres)**

1. No. Wetlands Restored	18.5 acres
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**E. Sikes Act Implementation Amendments (SAIA) Reporting Requirements (No. of Installations)**

1. No. with INRMP Meeting "Old" Sikes Act Requirements	12
2. No. with INRMP Meeting All New Substantive Requirements	3
3. No. Coordinating with FWS and State	18
4. No. with Current List of Projects or Methodologies	13

Current FY Spending on INRMP Implementation (\$K)	\$2,824,634
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**Boice, Peter, Mr, OSD-ATL**

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**From:** Powers, Nelson LTC [nelson\_powers@hq.dla.mil]  
**Sent:** Thursday, October 25, 2001 1:18 PM  
**To:** 'Peter.Boice@osd.mil'  
**Cc:** Rogers, Paul (DESC); Deatherage, Stephen (DESC); Lillo, Dennis; Randall, William  
**Subject:** FW: T&E expenditures

Sir: The DLA expenditure for FY00 is in the amount of \$25,000 for T/E species.  
Nelson R. Powers, PhD, MPH  
LTC USA  
Defense Logistics Agency  
Staff Entomologist  
(703) 767-6277

-----Original Message-----

**From:** Deatherage, Stephen [mailto:sdeatherag@desc.dla.mil]  
**Sent:** Thursday, October 25, 2001 1:59 PM  
**To:** Powers, Nelson LTC (HQ DLA)  
**Subject:** RE: T&E expenditures

Nelson,  
DESC had spent \$25,000 on the Butterfly project in FY00. This includes drafting a INRMP at the site.

Steve

-----Original Message-----

**From:** Powers, Nelson LTC [mailto:nelson\_powers@hq.dla.mil]  
**Sent:** Tuesday, October 09, 2001 8:12 AM  
**To:** Deatherage, Stephen (DESC)  
**Cc:** 'Peter.Boice@osd.mil'  
**Subject:** FW: T&E expenditures

Peter Boice: Yes we have T/E sp expenditures (other then Legacy support). Once I get them from Mr. Deatherage, Defense Energy Support Center I will forward them to you.

Steve: For FY 00 how much did your office MIPR to Daniellle Flynn to support work on the Palos Verdes Blue Butterfly ? Was any other money other then Legacy Support and above MIPR's spent on the PVBB ?  
As you can see I am behind the eight ball for an answer to OSD.

Nelson R. Powers, PhD, MPH  
LTC USA  
Defense Logistics Agency  
Staff Entomologist  
(703) 767-6277

-----Original Message-----

**From:** Boice, Peter, Mr, OSD-ATL [mailto:Peter.Boice@osd.mil]  
**Sent:** Friday, October 05, 2001 3:37 PM  
**To:** 'hirshh@hqmc.usmc.mil'; Woodson, William E Mr ACSIM; Holck, Alan, Maj, AF/ILEVQ; Cook, Joe L, Mr, OPNAV; 'nelson\_powers@hq.dla.mil'  
**Cc:** Wood, Charles, Mr, OSD-ATL  
**Subject:** T&E expenditures

We finally got the official data call from FWS to forward the T&E expenditure data your offices sent us months and months ago. Those of you

**Federally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

2000 Data Request For Federal Agencies

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	manatee, West Indian	Trichechus manatus	E	\$461,000.00	
Mammals	otter, southern sea	Enhydra lutris nereis	T		
Mammals	sea-lion, Steller	Eumetopias jubatus *Note 1	E, T	\$7,810,000.00	
Mammals	seal, Caribbean monk	Monachus tropicalis	E		
Mammals	seal, Guadalupe fur	Arctocephalus townsendi	T		
Mammals	seal, Hawaiian monk	Monachus schauinslandi	E	\$34,123.00	
Mammals	whale, blue	Balaenoptera musculus	E		
Mammals	whale, bowhead	Balaena mysticetus	E		
Mammals	whale, finback	Balaenoptera physalus	E		
Mammals	whale, humpback	Megaptera novaeangliae	E	\$349,000.00	
Mammals	whale, right	Balaena glacialis	E	\$433,000.00	
Mammals	whale, Sei	Balaenoptera borealis	E		
Mammals	whale, sperm	Physeter catodon	E		
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E, T		
Fishes	salmon, chum	Oncorhynchus keta	T		
Fishes	salmon, coho	Oncorhynchus kisutch	T	\$17,000.00	
Fishes	salmon, sockeye	Oncorhynchus nerka	E, T		
Fishes	steelhead	Oncorhynchus mykiss	E, T		
Reptiles	sea turtle, green	Chelonia mydas *Note 2	E, T	\$2,586,000.00	
Reptiles	sea turtle, hawksbill	Eretmochelys imbricata *Note 2	E	\$2,586,000.00	
Reptiles	sea turtle, Kemp's ridley	Lepidochelys kempii *Note 2	E	\$2,499,000.00	
Reptiles	sea turtle, leatherback	Dermochelys coriacea *Note 2	E	\$2,600,066.00	
Reptiles	sea turtle, loggerhead	Caretta caretta *Note 2	T	\$2,586,000.00	
Reptiles	sea turtle, olive ridley	Lepidochelys olivacea *Note 2	E, T	\$2,540,000.00	
Birds	Albatross, short-tailed	Phoebastria albatrus	E	\$88,156.00	

\*Note 1: Assets used in this mission C-130 aircraft, and WHEC cutter ships, have an extraordinarily high "standard rate" of operation compared to other CG resources. The primary mission of these assets is to conduct Maritime Boundary Line enforcement patrols, on long transits to and from their patrol areas they conduct (and report) patrol efforts within all designated Steller Sea Lion critical habitat areas. Increases are attributed to changes & refinements to our data collections (not necessarily increased effort).

\*Note 2: In many instances, the effort dedicated to MPS operations is done in conjunction with other missions and either (a) could not be reported out, or (b) did not meet the criteria provided by F&WS. Certain patrol efforts benefit multiple endangered species - and cannot be reported by individual species. The actual efforts/costs expended on some species are higher, however we do not have the means to report/sort the data.





DEPARTMENT OF THE ARMY  
U.S. Army Corps of Engineers  
WASHINGTON, D.C. 20314-1000

To: OPO

DEC 17 2001

REPLY TO  
ATTENTION OF:

Program Formulation and  
Evaluation Branch

Mr. Marshall P. Jones, Jr.  
Acting Director  
Fish and Wildlife Service  
U. S. Department of the Interior  
Washington, D. C. 20240

Dear Mr. Jones:

This is in response to your letter dated of September 19, 2001, there are two spreadsheets enclosed providing estimates of the U. S. Army Corps of Engineers expenditures in Fiscal Years 1999 and 2000 to implement the Endangered Species Act. The spreadsheets retain the organization and structure of the spreadsheets which you furnished. For Fiscal Year 1999 we have added an additional species listing at the end of your listings for the Alabama Sturgeon.

Please direct any questions about the spreadsheets to Tim Hiltz, (202) 761-1817.

Sincerely,

Robert F. Vining  
Chief, Programs Management Division  
Directorate of Civil Works

Enclosures

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

2000 Data Request For Federal Agencies

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	bat, gray	Myotis grisescens	E	38,000	0
Mammals	bat, Indiana	Myotis sodalis	E	44,700	0
Mammals	bat, Ozark big-eared	Corynorhinus townsendii ingens	E	10,000	0
Mammals	bat, Virginia big-eared	Corynorhinus townsendii virginianus	E	1,000	0
Mammals	bear, grizzly	Ursus arctos horribilis	T	1,000	0
Mammals	bear, Louisiana black	Ursus americanus luteolus	T	55,400	0
Mammals	caribou, woodland	Rangifer tarandus caribou	E	500	0
Mammals	deer, Columbian white-tailed	Odocoileus virginianus leucurus	E	16,000	0
Mammals	ferret, black-footed	Mustela nigripes	E	500	0
Mammals	jaguarundi, Gulf Coast	Herpailurus yagouaroundi cacomilti	E	1,500	0
Mammals	kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E	2,000	0
Mammals	manatee, West Indian	Trichechus manatus	E	105,400	0
Mammals	mouse, Preble's meadow jumping	Zapus hudsonius preblei	T	500	0
Mammals	mouse, salt marsh harvest	Reithrodontomys raviventris	E	2,200	0
Mammals	ocelot	Leopardus pardalis	E	1,500	0
Mammals	otter, southern sea	Enhydra lutris nereis	T	5,600	0
Mammals	sea-lion, Steller	Eumetopias jubatus	E, T	26,200	0
Mammals	seal, Guadalupe fur	Arctocephalus townsendi	T	2,200	0
Mammals	shrew, Dismal Swamp southeastern	Sorex longirostris fisheri	DP	10,280	0
Mammals	squirrel, Delmarva Peninsula fox	Sciurus niger cinereus	E	10,000	0
Mammals	whale, blue	Balaenoptera musculus	E	5,200	0
Mammals	whale, finback	Balaenoptera physalus	E	3,300	0
Mammals	whale, humpback	Megaptera novaeangliae	E	5,500	0
Mammals	whale, right	Balaena glacialis	E	140,800	0
Mammals	whale, Sei	Balaenoptera borealis	E	3,300	0
Mammals	whale, sperm	Physeter catodon	E	1,300	0
Mammals	wolf, gray	Canis lupus	E, T	2,500	0
Birds	Albatross, short-tailed	Phoebastria albatrus	E	2,200	0
Birds	crane, whooping	Grus americana	E	5,121,000	0
Birds	eagle, bald	Haliaeetus leucocephalus	T	497,080	0
Birds	eider, Steller's	Polysticta stelleri	T	331,278	0
Birds	falcon, northern aplomado	Falco femoralis septentrionalis	E	400	0
Birds	flycatcher, southwestern willow	Empidonax traillii extimus	E	979,200	53,000
Birds	jay, Florida scrub	Apelocoma coerulescens	T	10,000	0
Birds	murrelet, marbled	Brachyramphus marmoratus marmoratus	T	9,000	0
Birds	owl, northern spotted	Strix occidentalis caurina	T	3,500	0
Birds	pelican, brown	Pelecanus occidentalis	E	32,000	0
Birds	Plover, piping	Charadrius melodus	E, T	609,500	0
Birds	plover, western snowy	Charadrius alexandrinus nivosus	T	23,800	0
Birds	prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E	100	0

**Federally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	rail, California clapper	Rallus longirostris obsoletus	E	2,500	0
Birds	sparrow, Cape Sable seaside	Ammodramus maritimus mirabilis	E	9,836,000	0
Birds	stork, wood	Mycteria americana	E	3,000	0
Birds	tern, California least	Sterna antillarum browni	E	84,000	0
Birds	tern, least	Sterna antillarum	E	296,700	0
Birds	tern, roseate	Sterna dougallii dougallii	E, T	2,500	0
Birds	vireo, black-capped	Vireo atricapillus	E	5,300	0
Birds	vireo, least Bell's	Vireo bellii pusillus	E	308,000	53,000
Birds	warbler, Bachman's	Vermivora bachmanii	E	1,000	0
Birds	warbler, golden-cheeked	Dendroica chrysoparia	E	11,800	0
Birds	woodpecker, red-cockaded	Picoides borealis	E	25,700	0
Reptiles	crocodile, American	Crocodylus acutus	E	1,000	0
Reptiles	sea turtle, green	Chelonia mydas	E, T	104,200	0
Reptiles	sea turtle, hawksbill	Eretmochelys imbricata	E	68,000	0
Reptiles	sea turtle, Kemp's ridley	Lepidochelys kempii	E	86,000	0
Reptiles	sea turtle, leatherback	Dermochelys coriacea	E	16,500	0
Reptiles	sea turtle, loggerhead	Caretta caretta	T	269,200	0
Reptiles	sea turtle, olive ridley	Lepidochelys olivacea	E, T	1,500	0
Reptiles	snake, Concho water	Nerodia paucimaculata	T	100	0
Reptiles	snake, eastern indigo	Drymarchon corais couperi	T	3,000	0
Reptiles	snake, giant garter	Thamnophis gigas	T	2,800	0
Reptiles	tortoise, desert	Gopherus agassizii	T	45,000	0
Reptiles	tortoise, gopher	Gopherus polyphemus	T	13,000	0
Reptiles	turtle, Alabama red-belly	Pseudemys alabamensis	E	7,000	0
Reptiles	turtle, bog	Clemmys muhlenbergii	T	23,000	0
Reptiles	turtle, flattened musk	Sternotherus depressus	T	1,000	0
Reptiles	turtle, ringed map	Graptemys oculifera	T	13,000	0
Reptiles	turtle, yellow-blotched map	Graptemys flavimaculata	T	5,000	0
Amphibians	frog, California red-legged	Rana aurora draytonii	T	2,200	0
Amphibians	salamander, Barton Springs	Eurycea sosorum	E	1,400	0
Amphibians	salamander, California tiger	Ambystoma californiense	E	2,200	0
Amphibians	salamander, desert slender	Batrachoseps aridus	E	2,200	0
Amphibians	salamander, San Marcos	Eurycea nana	T	3,900	0
Amphibians	salamander, Santa Cruz long-toed	Ambystoma macrodactylum croceum	E	2,200	0
Amphibians	salamander, Texas blind	Typhlomolge rathbuni	E	900	0
Amphibians	toad, arroyo	Bufo microscaphus californicus	E	4,000	0
Amphibians	toad, Houston	Bufo houstonensis	E	4,700	0
Fishes	chub, bonytail	Gila elegans	E	2,200	0
Fishes	chub, humpback	Gila cypha	E	2,200	0
Fishes	chub, Mohave tui	Gila bicolor mohavensis	E	2,200	0
Fishes	chub, Oregon	Oregonichthys crameri	E	2,500	0
Fishes	chub, Owens tui	Gila bicolor snyderi	E	2,200	0

**Federally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Fishes	chub, Pahrana gat roundtail	<i>Gila robusta jordani</i>	E	2,200	0
Fishes	chub, Virgin River	<i>Gila robusta seminuda</i>	E	2,200	0
Fishes	dace, Ash Meadows speckled	<i>Rhinichthys osculus nevadensis</i>	E	2,200	0
Fishes	dace, Clover Valley speckled	<i>Rhinichthys osculus oligoporus</i>	E	2,200	0
Fishes	dace, desert	<i>Eremichthys acros</i>	T	2,200	0
Fishes	dace, Independence Valley speckled	<i>Rhinichthys osculus lethoporus</i>	E	2,200	0
Fishes	dace, Moapa	<i>Moapa coriacea</i>	E	2,200	0
Fishes	darler, amber	<i>Percina antesella</i>	E	1,000	0
Fishes	darler, Cherokee	<i>Etheostoma scotti</i>	T	1,000	0
Fishes	darler, Etowah	<i>Etheostoma etowahae</i>	E	1,000	0
Fishes	darler, fountain	<i>Etheostoma fonticola</i>	E	2,900	0
Fishes	darler, goldline	<i>Percina aurolineata</i>	T	1,000	0
Fishes	darler, Niangua	<i>Etheostoma nianguae</i>	T	6,000	0
Fishes	darler, watercress	<i>Etheostoma nuchale</i>	E	1,000	0
Fishes	goby, tidewater	<i>Eucyclogobius newberryi</i>	E	29,200	0
Fishes	logperch, Conasauga	<i>Percina jenkinsi</i>	E	1,000	0
Fishes	logperch, Roanoke	<i>Percina rex</i>	E	112,000	0
Fishes	madtom, Neosho	<i>Noturus placidus</i>	T	44,000	0
Fishes	minnow, Devils River	<i>Dionda diaboli</i>	T	1,500	0
Fishes	minnow, Rio Grande silvery	<i>Hybognathus amarus</i>	E	35,000	0
Fishes	poolfish, Pahrump	<i>Empetrichthys latos</i>	E	2,200	0
Fishes	pupfish, Ash Meadows Amargosa	<i>Cyprinodon nevadensis mionectes</i>	E	2,200	0
Fishes	pupfish, desert	<i>Cyprinodon macularius</i>	E	2,200	0
Fishes	pupfish, Devils Hole	<i>Cyprinodon diabolis</i>	E	2,200	0
Fishes	pupfish, Owens	<i>Cyprinodon radiosus</i>	E	2,200	0
Fishes	pupfish, Warm Springs	<i>Cyprinodon nevadensis pectoralis</i>	E	2,200	0
Fishes	salmon, chinook	<i>Oncorhynchus tshawytscha</i>	E, T	32,476,200	0
Fishes	salmon, chum	<i>Oncorhynchus keta</i>	T	7,757,000	0
Fishes	salmon, coho	<i>Oncorhynchus kisutch</i>	T	7,771,900	0
Fishes	salmon, sockeye	<i>Oncorhynchus nerka</i>	E, T	7,784,500	0
Fishes	sculpin, pygmy	<i>Cottus pygmaeus</i>	T	1,000	0
Fishes	shiner, Arkansas River	<i>Notropis girardi</i>	T	21,000	0
Fishes	shiner, blue	<i>Cyprinella caerulea</i>	T	1,000	0
Fishes	shiner, Cahaba	<i>Notropis cahabae</i>	E	1,000	0
Fishes	shiner, Cape Fear	<i>Notropis mekistocholas</i>	E	5,000	0
Fishes	shiner, Topeka	<i>Notropis topeka</i>	E	9,000	0
Fishes	smelt, delta	<i>Hypomesus transpacificus</i>	T	2,600	0
Fishes	spinedace, Big Spring	<i>Lepidomeda mollispinis pratensis</i>	T	2,200	0
Fishes	spinedace, White River	<i>Lepidomeda albivallis</i>	E	2,200	0
Fishes	splittail, Sacramento	<i>Pogonichthys macrolepidotus</i>	T	2,600	0
Fishes	springfish, Hiko White River	<i>Crenichthys baileyi grandis</i>	E	2,200	0
Fishes	springfish, Railroad Valley	<i>Crenichthys nevadae</i>	T	2,200	0

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Fishes	springfish, White River	Crenichthys baileyi baileyi	E	2,200	0
Fishes	steelhead	Oncorhynchus mykiss	E, T	8,031,600	0
Fishes	stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E	2,200	0
Fishes	sturgeon, Alabama	Scaphirhynchus suttkusi	E	143,000	0
Fishes	sturgeon, Gulf	Acipenser oxyrinchus desotoi	T	21,000	0
Fishes	sturgeon, pallid	Scaphirhynchus albus	E	221,000	0
Fishes	sturgeon, shortnose	Acipenser brevirostrum	E	207,500	0
Fishes	sturgeon, white	Acipenser transmontanus	E	20,000	0
Fishes	sucker, Lost River	Deltistes luxatus	E	2,200	0
Fishes	Sucker, Modoc	Catostomus microps	E	2,200	0
Fishes	sucker, razorback	Xyrauchen texanus	E	2,200	0
Fishes	sucker, Santa Ana	Catostomus santaanae	T	2,200	0
Fishes	Sucker, shortnose	Chasmistes brevirostris	E	2,200	0
Fishes	trout, bull	Salvelinus confluentus	T	439,200	0
Fishes	trout, coastal cutthroat	Oncorhynchus clarki clarki	DR	33,000	0
Fishes	trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T	2,200	0
Fishes	trout, Little Kern golden	Oncorhynchus aguabonita whitei	T	2,200	0
Fishes	trout, Paiute cutthroat	Oncorhynchus clarki seleniris	T	2,200	0
Clams	acornshell, southern	Epioblasma othcaloogensis	E	1,000	0
Clams	bankclimber, purple	Elliptoideus slootianus	T	19,000	0
Clams	catpaw, white	Epioblasma obliquata perobliqua	E	39,000	0
Clams	clubshell	Pleurobema clava	E	2,500	0
Clams	clubshell, ovate	Pleurobema perovatum	E	27,000	0
Clams	clubshell, southern	Pleurobema decisum	E	28,000	0
Clams	combshell, upland	Epioblasma metastrata	E	1,000	0
Clams	heelsplitter, Alabama	Potamilus inflatus	T	1,000	0
Clams	higgins eye	Lampsilis higginsii	E	286,800	0
Clams	kidneyshell, triangular	Ptychobranthus greeni	E	1,000	0
Clams	mapleleaf, winged	Quadrula fragosa	E	30,500	0
Clams	moccasinshell, Alabama	Medionidus acutissimus	T	27,000	0
Clams	moccasinshell, Coosa	Medionidus parvulus	E	1,000	0
Clams	moccasinshell, Gulf	Medionidus penicillatus	E	11,000	0
Clams	mucket, orangenacre	Lampsilis perovalis	T	27,000	0
Clams	mucket, pink	Lampsilis abrupta	E	109,500	0
Clams	pearlymussel, cracking	Hemistena lata	E	2,000	0
Clams	pearlymussel, white wartyback	Plethobasus cicatricosus	E	3,000	0
Clams	pigtoe, flat	Pleurobema marshalli	E	2,000	0
Clams	pigtoe, oval	Pleurobema pyriforme	E	1,000	0
Clams	pigtoe, rough	Pleurobema plenum	E	2,000	0
Clams	pigtoe, southern	Pleurobema georgianum	E	1,000	0
Clams	pimpleback, orangefoot	Plethobasus cooperianus	E	28,500	0
Clams	pocketbook, fat	Potamilus capax	E	42,000	0

Federal Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Clams	pocketbook, finelined	Lampsilis altilis	T	2,000	0
Clams	pocketbook, shinyrayed	Lampsilis subangulata	E	1,000	0
Clams	pocketbook, speckled	Lampsilis streckeri	E	3,000	0
Clams	riffleshell, northern	Epioblasma torulosa rangiana	E	2,500	0
Clams	ring pink	Obovaria retusa	E	2,000	0
Clams	slabshell, Chipola	Elliptio chipolaensis	T	1,000	0
Clams	spiny mussel, James	Pleurobema collina	E	10,280	0
Clams	stirrupshell	Quadrula stapes	E	1,000	0
Clams	three-ridge, fat	Amblema neislerii	E	19,000	0
Clams	wedgemussel, dwarf	Alasmidonta heterodon	E	20,000	0
Snails	snail, armored	Pyrgulopsis pachyta	E	20,000	0
Snails	snail, tulotoma	Tulotoma magnifica	E	1,000	0
Insects	beetle, American burying	Nicrophorus americanus	E	10,500	0
Insects	beetle, Comal Springs dryopid	Stygoparnus comalensis	E	400	0
Insects	beetle, Comal Springs riffle	Heterelmis comalensis	E	400	0
Insects	beetle, Kretschmarr Cave mold	Texamaurops reddelli	E	1,400	0
Insects	beetle, Tooth Cave ground	Rhadine persephone	E	1,400	0
Insects	beetle, valley elderberry longhorn	Desmocerus californicus dimorphus	T	39,000	0
Insects	butterfly, Fender's blue	Icaricia icarioides fenderi	E	6,000	0
Insects	butterfly, Oregon silverspot	Speyeria zerene hippolyta	T	2,000	0
Insects	tiger beetle, northeastern beach	Cicindela dorsalis dorsalis	T	24,480	0
Arachnids	harvestman, Bee Creek Cave	Texella reddelli	E	1,400	0
Arachnids	harvestman, Bone Cave	Texella reyesi	E	1,400	0
Arachnids	pseudoscorpion, Tooth Cave	Tartarocreagris texana	E	400	0
Arachnids	spider, Tooth Cave	Neoleptoneta myopica	E	400	0
Crustaceans	amphipod, Peck's cave	Stygobromus pecki	E	400	0
Crustaceans	crayfish, Shasta	Pacifastacus fortis	E	2,200	0
Crustaceans	fairy shrimp, Conservancy	Branchinecta conservatio	E	2,200	0
Crustaceans	fairy shrimp, longhorn	Branchinecta longiantenna	E	2,200	0
Crustaceans	fairy shrimp, vernal pool	Branchinecta lynchi	T	2,200	0
Crustaceans	shrimp, California freshwater	Syncaris pacifica	E	2,200	0
Crustaceans	shrimp, Kentucky cave	Palaemonias ganteri	E	4,000	0
Crustaceans	tadpole shrimp, vernal pool	Lepidurus packardi	E	2,200	0
Flowering Plants	amaranth, seabeach	Amaranthus pumilus	T	96,000	0
Flowering Plants	ambrosia, south Texas	Ambrosia cheiranthifolia	E	300	0
Flowering Plants	amphianthus, little	Amphianthus pusillus	T	2,000	0
Flowering Plants	aster, decurrent false	Boltonia decurrens	T	13,500	0
Flowering Plants	ayenia, Texas	Ayenia limitaris	E	200	0
Flowering Plants	beauty, Harper's	Harperocallis flava	E	1,000	0
Flowering Plants	birds-in-a-nest, white	Macbridea alba	T	1,000	0
Flowering Plants	bittercress, small-anthered	Cardamine micranthera	E	1,500	0
Flowering Plants	bladderpod, white	Lesquerella pallida	E	500	0

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	butterwort, Godfrey's	Pinguicula ionantha	T	1,000	0
Flowering Plants	button, Mohr's Barbara	Marshallia mohrii	T	1,000	0
Flowering Plants	cactus, black lace	Echinocereus reichenbachii albertii	E	100	0
Flowering Plants	cactus, star	Astrophytum asterias	E	200	0
Flowering Plants	chaffseed, American	Schwalbea americana	E	1,000	0
Flowering Plants	checker-mallow, Nelson's	Sidalcea nelsoniana	T	2,500	0
Flowering Plants	clover, running buffalo	Trifolium stoloniferum	E	2,000	0
Flowering Plants	coneflower, smooth	Echinacea laevigata	E	1,500	0
Flowering Plants	daisy, Willamette	Erigeron decumbens decumbens	E	1,500	0
Flowering Plants	dawn-flower, Texas prairie	Hymenoxys texana	E	5,000	0
Flowering Plants	dropwort, Canby's	Oxypolis canbyi	E	1,000	0
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E	1,000	0
Flowering Plants	gerardia, sandplain	Agalinis acuta	E	1,100	0
Flowering Plants	grass, Tennessee yellow-eyed	Xyris tennesseensis	E	1,000	0
Flowering Plants	harperella	Ptilimnium nodosum	E	2,000	0
Flowering Plants	howellia, water	Howellia aquatilis	T	3,000	0
Flowering Plants	ladies'-tresses, Navasota	Spiranthes parksii	E	3,500	0
Flowering Plants	ladies'-tresses, Ute	Spiranthes diluvialis	T	15,700	0
Flowering Plants	lily, Western	Lilium occidentale	E	1,500	0
Flowering Plants	lomatium, Bradshaw's	Lomatium bradshawii	E	7,000	0
Flowering Plants	loosestrife, rough-leaved	Lysimachia asperulaefolia	E	1,000	0
Flowering Plants	Lupine, Kincaid's	Lupinus sulphureus kincaidii	T	2,500	0
Flowering Plants	meadowrue, Cooley's	Thalictrum cooleyi	E	1,000	0
Flowering Plants	orchid, eastern prairie fringed	Platanthera leucophaea	T	120,000	0
Flowering Plants	orchid, western prairie fringed	Platanthera praeclara	T	2,500	0
Flowering Plants	orcutt grass, hairy	Orcuttia pilosa	E	2,200	0
Flowering Plants	orcutt grass, Sacramento	Orcuttia viscida	E	2,200	0
Flowering Plants	orcutt grass, San Joaquin	Orcuttia inaequalis	T	2,200	0
Flowering Plants	orcutt grass, slender	Orcuttia tenuis	T	2,200	0
Flowering Plants	paintbrush, golden	Castilleja levisecta	T	2,500	0
Flowering Plants	pitcher-plant, green	Sarracenia oreophila	E	2,000	0
Flowering Plants	pogonia, small whorled	Isotria medeoloides	T	10,280	0
Flowering Plants	pondberry	Lindera melissifolia	E	111,000	0
Flowering Plants	prickly-apple, fragrant	Cereus eriophorus fragrans	E	10,000	0
Flowering Plants	reed-mustard, Barneby	Schoenocrambe barnebyi	E	2,200	0
Flowering Plants	reed-mustard, clay	Schoenocrambe argillacea	T	2,200	0
Flowering Plants	seagrass, Johnson's	Halophila johnsonii	T	300,000	0
Flowering Plants	skullcap, Florida	Scutellaria floridana	T	1,000	0
Flowering Plants	sunflower, Eggert's	Helianthus eggertii	T	1,000	0
Flowering Plants	thistle, Pitcher's	Cirsium pitcheri	T	120,000	0
Flowering Plants	water-plantain, Kral's	Sagittaria secundifolia	T	1,000	0
Flowering Plants	wild-rice, Texas	Zizania texana	E	1,400	0

**Federally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Ferns and Allies	quillwort, Louisiana	Isoetes louisianensis	E	1,000	0
Fishes	salmon, Atlantic	Salmo saleris		2,500	
<b>USACE TOTALS</b>				<b>86,387,178</b>	<b>106,000</b>





## Department of Energy

Official File

Bonneville Power Administration  
P.O. Box 3621  
Portland, Oregon 97208-3621

ENVIRONMENT, FISH AND WILDLIFE

November 29, 2001

In reply refer to: KEW-4

Ms. Martha Balis-Larsen  
United States Department of the Interior  
Fish and Wildlife Service  
Division of Endangered Species  
4401 N. Fairfax Drive, Room 420  
Arlington, VA 22203

Dear Ms. Balis-Larsen:

As requested by your office and outlined in the Endangered Species Act (ESA) Amendments of 1988, the Bonneville Power Administration (BPA) is providing to you a list of expenditures relating to the ESA listed species for Fiscal Year (FY) 2000. The ESA expenditures for FY 2000 include eight (8) listed species. These species are the Bull Trout, Chinook Salmon, Chum Salmon, Coho Salmon, Cutthroat Trout, Sockeye Salmon, Steelhead, and White Sturgeon. Where possible, these expenses are shown by species and in many cases benefit all of the species listed below. These costs include both those expenditures specifically required for ESA compliance and also those expenditures that, while not specifically required, are intended to assist in the recovery of ESA listed species.

**ESA Related Direct Fish and Wildlife Funding  
(Dollars in Millions – Budget Outlays)  
Fiscal Year 2000**

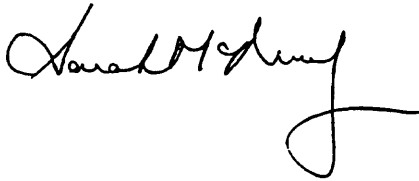
Bull Trout	\$0.5
Chinook Salmon	\$16.1
Chum Salmon	\$0.9
Coho Salmon	\$1.2
Cutthroat Trout	\$0.5
Sockeye Salmon	\$2.0
Steelhead	\$16.6
White Sturgeon	\$2.6
Law Enforcement	\$0.8
Power Purchases/Foregone Revenues	\$0.0*

<b>GRAND TOTAL ESA Outlays for Fiscal Year 2000</b>	<b>\$41.2</b>
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\* The net power purchase/foregone revenues costs associated with hydro operations (spill, flow augmentation, water budget and reservoir levels) estimates are not available at this time because detailed analysis of these costs has not yet been completed.

If there is a need for further clarification or additional information, please contact Ms. Marty Affett of the Environment, Fish and Wildlife Group at (503) 230-4741.

Sincerely,



Sarah R. McNary  
Director for Fish and Wildlife

bcc:

P. Norman – P-6

A. Smith – KE-4

R. Roach – L-7

Official File – EW (EX-15-12)

J. Curtis – KG-2

R. Austin – KEW-4

J. Stier – K/WASH

R. Sivyver – KEWB-4

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**Federally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

2000 Data Request For Federal Agencies - SUBMISSION FROM BUREAU OF INDIAN AFFAIRS

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	bat, gray	Myotis grisescens	E		
Mammals	bat, Hawaiian hoary	Lasiurus cinereus semotus	E		
Mammals	bat, Indiana	Myotis sodalis	E		
Mammals	bat, lesser long-nosed	Leptonycteris curasoae yerbabuena	E		
Mammals	bat, little Mariana fruit	Pteropus tokudae	E		
Mammals	bat, Mariana fruit	Pteropus mariannus mariannus	E		
Mammals	bat, Mexican long-nosed	Leptonycteris nivalis	E		
Mammals	bat, Ozark big-eared	Corynorhinus townsendii ingens	E		
Mammals	bat, Virginia big-eared	Corynorhinus townsendii virginianus	E		
Mammals	bear, grizzly	Ursus arctos horribilis	T	105,000	
Mammals	bear, Louisiana black	Ursus americanus luteolus	T		
Mammals	caribou, woodland	Rangifer tarandus caribou	E		
Mammals	deer, Columbian white-tailed	Odocoileus virginianus leucurus	E		
Mammals	deer, Key	Odocoileus virginianus clavium	E		
Mammals	ferret, black-footed	Mustela nigripes	E	1,022,931	
Mammals	fox, San Joaquin kit	Vulpes macrotis mutica	E		
Mammals	jaguar	Panthera onca	E		
Mammals	jaguarundi, Gulf Coast	Herpailurus yagouaroundi cacomitli	E		
Mammals	jaguarundi, Sinaloa	Herpailurus yagouaroundi tolteca	E		
Mammals	kangaroo rat, Fresno	Dipodomys nitratoides exilis	E		
Mammals	kangaroo rat, giant	Dipodomys ingens	E		
Mammals	kangaroo rat, Morro Bay	Dipodomys heermanni morroensis	E		
Mammals	kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E		
Mammals	kangaroo rat, Stephens'	Dipodomys stephensi	E		
Mammals	kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E		
Mammals	lynx, Canada	Lynx canadensis	T	2,000	
Mammals	manatee, West Indian	Trichechus manatus	E		
Mammals	mountain beaver, Point Arena	Aplodontia rufa nigra	E		
Mammals	Mouse, Alabama beach	Peromyscus polionotus ammobates	E		
Mammals	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E		
Mammals	Mouse, Choctawhatchee beach	Peromyscus polionotus allophrys	E		
Mammals	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E		
Mammals	mouse, Pacific pocket	Perognathus longimembris pacificus	E		
Mammals	Mouse, Perdido Key beach	Peromyscus polionotus trissyllepsis	E		
Mammals	mouse, Preble's meadow jumping	Zapus hudsonius preblei	T		
Mammals	mouse, salt marsh harvest	Reithrodontomys raviventris	E		
Mammals	Mouse, southeastern beach	Peromyscus polionotus niveiventris	T		

Federal Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	mouse, St. Andrew beach	<i>Peromyscus polionotus peninsularis</i>	E		
Mammals	ocelot	<i>Leopardus pardalis</i>	E		
Mammals	otter, southern sea	<i>Enhydra lutris nereis</i>	T		
Mammals	panther, Florida	<i>Puma concolor coryi</i>	E		
Mammals	prairie dog, Utah	<i>Cynomys parvidens</i>	T		
Mammals	pronghorn, Sonoran	<i>Antilocapra americana sonoriensis</i>	E		
Mammals	puma, eastern	<i>Puma concolor cougar</i>	E		
Mammals	rabbit, Lower Keys marsh	<i>Sylvilagus palustris hefneri</i>	E		
Mammals	rabbit, riparian brush	<i>Sylvilagus bachmani riparius</i>	E		
Mammals	rice rat	<i>Oryzomys palustris natator</i>	E		
Mammals	sea-lion, Steller	<i>Eumetopias jubatus</i>	E, T		
Mammals	seal, Caribbean monk	<i>Monachus tropicalis</i>	E		
Mammals	seal, Guadalupe fur	<i>Arctocephalus townsendi</i>	T		
Mammals	seal, Hawaiian monk	<i>Monachus schauinslandi</i>	E		
Mammals	sheep, bighorn	<i>Ovis canadensis</i>	E		
Mammals	sheep, bighorn	<i>Ovis canadensis californiana</i>	E		
Mammals	shrew, Dismal Swamp southeastern	<i>Sorex longirostris fisheri</i>	DP		
Mammals	squirrel, Carolina northern flying	<i>Glaucomys sabrinus coloratus</i>	E		
Mammals	squirrel, Delmarva Peninsula fox	<i>Sciurus niger cinereus</i>	E		
Mammals	squirrel, Mount Graham red	<i>Tamiasciurus hudsonicus grahamensis</i>	E		
Mammals	squirrel, northern Idaho ground	<i>Spermophilus brunneus brunneus</i>	T		
Mammals	squirrel, Virginia northern flying	<i>Glaucomys sabrinus fuscus</i>	E		
Mammals	vole, Amargosa	<i>Microtus californicus scirpensis</i>	E		
Mammals	vole, Florida salt marsh	<i>Microtus pennsylvanicus dukecampbelli</i>	E		
Mammals	vole, Hualapai Mexican	<i>Microtus mexicanus hualpaiensis</i>	E		
Mammals	whale, blue	<i>Balaenoptera musculus</i>	E		
Mammals	whale, bowhead	<i>Balaena mysticetus</i>	E		
Mammals	whale, finback	<i>Balaenoptera physalus</i>	E		
Mammals	whale, humpback	<i>Megaptera novaeangliae</i>	E		
Mammals	whale, right	<i>Balaena glacialis</i>	E		
Mammals	whale, Sei	<i>Balaenoptera borealis</i>	E		
Mammals	whale, sperm	<i>Physeter catodon</i>	E		
Mammals	wolf, gray	<i>Canis lupus</i>	E, T	2,000	
Mammals	wolf, red	<i>Canis rufus</i>	E		
Mammals	woodrat, Key Largo	<i>Neotoma floridana smalli</i>	E		
Mammals	woodrat, riparian	<i>Neotoma fuscipes riparia</i>	E		
Birds	akepa, Hawaii	<i>Loxops coccineus coccineus</i>	E		
Birds	akepa, Maui	<i>Loxops coccineus ochraceus</i>	E		
Birds	akiapola, Kauai	<i>Hemignathus procerus</i>	E		
Birds	akiapola`au	<i>Hemignathus munroi</i>	E		

Federally Listed Endangered and Threatened Wildlife and Plants

As of Fiscal Year 2000 (September 30, 2000)

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	Albatross, short-tailed	Phoebastria albatrus	E		
Birds	blackbird, yellow-shouldered	Agelaius xanthomus	E		
Birds	bobwhite, masked	Colinus virginianus ridgwayi	E		
Birds	broadbill, Guam	Myiagra freycineti	E		
Birds	cahow	Pterodroma cahow	E		
Birds	caracara, Audubon's crested	Polyborus plancus audubonii	T		
Birds	condor, California	Gymnogyps californianus	E		
Birds	coot, Hawaiian	Fulica americana alai	E		
Birds	crane, Mississippi sandhill	Grus canadensis pulla	E		
Birds	crane, whooping	Grus americana	E		
Birds	creeper, Hawaii	Oreomystis mana	E		
Birds	creeper, Molokai	Paroreomyza flammea	E		
Birds	creeper, Oahu	Paroreomyza maculata	E		
Birds	crow, Hawaiian	Corvus hawaiiensis	E		
Birds	crow, Mariana	Corvus kubaryi	E		
Birds	crow, white-necked	Corvus leucognaphalus	E		
Birds	curlew, Eskimo	Numenius borealis	E		
Birds	duck, Hawaiian	Anas wyvilliana	E		
Birds	duck, Laysan	Anas laysanensis	E		
Birds	eagle, bald	Haliaeetus leucocephalus	T	2,000	
Birds	eider, spectacled	Somateria fischeri	T		
Birds	eider, Steller's	Polysticta stelleri	T		
Birds	elepaio, Oahu	Chasiempis sandwichensis ibidus	E		
Birds	falcon, northern aplomado	Falco femoralis septentrionalis	E		
Birds	finch, Laysan	Telespyza cantans	E		
Birds	finch, Nihoa	Telespyza ultima	E		
Birds	flycatcher, southwestern willow	Empidonax traillii extimus	E		
Birds	gnatcatcher, coastal California	Polioptila californica californica	T		
Birds	goose, Hawaiian	Branta sandvicensis	E		
Birds	hawk, Hawaiian	Buteo solitarius	E		
Birds	hawk, Puerto Rican broad-winged	Buteo platypterus brunnescens	E		
Birds	hawk, Puerto Rican sharp-shinned	Accipiter striatus venator	E		
Birds	honeycreeper, crested	Palmeria dolei	E		
Birds	jay, Florida scrub	Aphelocoma coerulescens	T		
Birds	kingfisher, Guam Micronesian	Halcyon cinnamomina cinnamomina	E		
Birds	kite, Everglade snail	Rostrhamus sociabilis plumbeus	E		
Birds	mallard, Mariana	Anas oustaleti	E		
Birds	megapode, Micronesian	Megapodius laperouse	E		
Birds	millerbird, Nihoa	Acrocephalus familiaris kingi	E		
Birds	monarch, Tinian	Monarcha takatsukasae	T		

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	moorhen, Hawaiian common	Gallinula chloropus sandvicensis	E		
Birds	moorhen, Mariana common	Gallinula chloropus guami	E		
Birds	murrelet, marbled	Brachyramphus marmoratus marmoratus	T	746,280	
Birds	nightjar, Puerto Rican	Caprimulgus noctitherus	E		
Birds	nukupu`u	Hemignathus lucidus	E		
Birds	`o`o, Kauai	Moho braccatus	E		
Birds	`o`u	Psittirostra psittacea	E		
Birds	owl, Mexican spotted	Strix occidentalis lucida	T	1,000	
Birds	owl, northern spotted	Strix occidentalis caurina	T	746,280	
Birds	palila	Loxioides bailleui	E		
Birds	parrot, Puerto Rican	Amazona vittata	E		
Birds	parrotbill, Maui	Pseudonestor xanthophrys	E		
Birds	pelican, brown	Pelecanus occidentalis	E		
Birds	petrel, Hawaiian dark-rumped	Pterodroma phaeopygia sandwichensis	E		
Birds	pigeon, Puerto Rican plain	Columba inornata wetmorei	E		
Birds	Plover, piping	Charadrius melodus	E, T		
Birds	plover, western snowy	Charadrius alexandrinus nivosus	T		
Birds	po`ouli	Melamprosops phaeosoma	E		
Birds	prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E		
Birds	pygmy-owl, cactus ferruginous	Glaucidium brasilianum cactorum	E		
Birds	rail, California clapper	Rallus longirostris obsoletus	E		
Birds	rail, Guam	Rallus owstoni	E		
Birds	rail, light-footed clapper	Rallus longirostris levipes	E		
Birds	rail, Yuma clapper	Rallus longirostris yumanensis	E		
Birds	shearwater, Newell's Townsend's	Puffinus auricularis newelli	T		
Birds	shrike, San Clemente loggerhead	Lanius ludovicianus mearnsi	E		
Birds	sparrow, Cape Sable seaside	Ammodramus maritimus mirabilis	E		
Birds	sparrow, Florida grasshopper	Ammodramus savannarum floridanus	E		
Birds	sparrow, San Clemente sage	Amphispiza belli clementeae	T		
Birds	stilt, Hawaiian	Himantopus mexicanus knudseni	E		
Birds	stork, wood	Mycteria americana	E		
Birds	swiftlet, Mariana gray	Aerodramus vanikorensis bartschi	E		
Birds	tern, California least	Sterna antillarum browni	E		
Birds	tern, least	Sterna antillarum	E		
Birds	tern, roseate	Sterna dougallii dougallii	E, T		
Birds	thrush, large Kauai	Myadestes myadestinus	E		
Birds	thrush, Molokai	Myadestes lanaiensis rutha	E		
Birds	thrush, small Kauai	Myadestes palmeri	E		
Birds	towhee, Inyo California	Pipilo crissalis eremophilus	T		
Birds	vireo, black-capped	Vireo atricapillus	E		

Federal Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	vireo, least Bell's	Vireo bellii pusillus	E		
Birds	warbler, Bachman's	Vermivora bachmanii	E		
Birds	warbler, golden-cheeked	Dendroica chrysoparia	E		
Birds	warbler, Kirtland's	Dendroica kirtlandii	E		
Birds	warbler, nightingale reed	Acrocephalus luscini	E		
Birds	white-eye, bridled	Zosterops conspicillatus conspicillatus	E		
Birds	woodpecker, ivory-billed	Campephilus principalis	E		
Birds	woodpecker, red-cockaded	Picoides borealis	E		
Reptiles	anole, Culebra Island giant	Anolis roosevelti	E		
Reptiles	boa, Mona	Epicrates monensis monensis	T		
Reptiles	boa, Puerto Rican	Epicrates inornatus	E		
Reptiles	boa, Virgin Islands tree	Epicrates monensis granti	E		
Reptiles	crocodile, American	Crocodylus acutus	E		
Reptiles	gecko, Monito	Sphaerodactylus micropithecus	E		
Reptiles	iguana, Mona ground	Cyclura stejnegeri	T		
Reptiles	lizard, blunt-nosed leopard	Gambelia silus	E		
Reptiles	lizard, Coachella Valley fringe-toed	Uma inornata	T		
Reptiles	lizard, Island night	Xantusia riversiana	T		
Reptiles	lizard, St. Croix ground	Ameiva polops	E		
Reptiles	rattlesnake, New Mexican ridge-nosed	Crotalus willardi obscurus	T		
Reptiles	sea turtle, green	Chelonia mydas	E, T		
Reptiles	sea turtle, hawksbill	Eretmochelys imbricata	E		
Reptiles	sea turtle, Kemp's ridley	Lepidochelys kempii	E		
Reptiles	sea turtle, leatherback	Demochelys coriacea	E		
Reptiles	sea turtle, loggerhead	Caretta caretta	T		
Reptiles	sea turtle, olive ridley	Lepidochelys olivacea	E, T		
Reptiles	skink, bluetail mole	Eumeces egregius lividus	T		
Reptiles	skink, sand	Neoseps reynoldsi	T		
Reptiles	snake, Atlantic salt marsh	Nerodia clarkii taeniata	T		
Reptiles	snake, Concho water	Nerodia paucimaculata	T		
Reptiles	snake, copperbelly water	Nerodia erythrogaster neglecta	T		
Reptiles	snake, eastern indigo	Drymarchon corais couperi	T		
Reptiles	snake, giant garter	Thamnophis gigas	T		
Reptiles	snake, Lake Erie water	Nerodia sipedon insularum	T		
Reptiles	snake, San Francisco garter	Thamnophis sirtalis tetrataenia	E		
Reptiles	tortoise, desert	Gopherus agassizii	T		
Reptiles	tortoise, gopher	Gopherus polyphemus	T		
Reptiles	turtle, Alabama red-belly	Pseudemys alabamensis	E		
Reptiles	turtle, bog	Clemmys mühlenbergii	T		
Reptiles	turtle, flattened musk	Sternotherus depressus	T		

Federally Listed Endangered and Threatened Wildlife and Plants

As of Fiscal Year 2000 (September 30, 2000)

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Reptiles	turtle, Plymouth redbelly	<i>Pseudemys rubriventris bangsi</i>	E		
Reptiles	turtle, ringed map	<i>Graptemys oculifera</i>	T		
Reptiles	turtle, yellow-blotched map	<i>Graptemys flavimaculata</i>	T		
Reptiles	whipsnake, Alameda	<i>Masticophis lateralis euryxanthus</i>	T		
Amphibians	coqui, golden	<i>Eleutherodactylus jasperi</i>	T		
Amphibians	frog, California red-legged	<i>Rana aurora draytonii</i>	T		
Amphibians	guajon	<i>Eleutherodactylus cooki</i>	T		
Amphibians	salamander, Barton Springs	<i>Eurycea sosorum</i>	E		
Amphibians	salamander, California tiger	<i>Ambystoma californiense</i>	E		
Amphibians	salamander, Cheat Mountain	<i>Plethodon nettingi</i>	T		
Amphibians	salamander, desert slender	<i>Batrachoseps aridus</i>	E		
Amphibians	salamander, flatwoods	<i>Ambystoma cingulatum</i>	T		
Amphibians	salamander, Red Hills	<i>Phaeognathus hubrichti</i>	T		
Amphibians	salamander, San Marcos	<i>Eurycea nana</i>	T		
Amphibians	salamander, Santa Cruz long-toed	<i>Ambystoma macrodactylum croceum</i>	E		
Amphibians	salamander, Shenandoah	<i>Plethodon shenandoah</i>	E		
Amphibians	salamander, Sonoran tiger	<i>Ambystoma tigrinum stebbinsi</i>	E		
Amphibians	salamander, Texas blind	<i>Typhlomolge rathbuni</i>	E		
Amphibians	toad, arroyo	<i>Bufo microscaphus californicus</i>	E		
Amphibians	toad, Houston	<i>Bufo houstonensis</i>	E		
Amphibians	toad, Puerto Rican crested	<i>Peltophryne lemur</i>	T		
Amphibians	toad, Wyoming	<i>Bufo hemiophrys baxteri</i>	E		
Fishes	catfish, Yaqui	<i>Ictalurus pricei</i>	T		
Fishes	cavefish, Alabama	<i>Speoplatyrhinus poulsoni</i>	E		
Fishes	cavefish, Ozark	<i>Amblyopsis rosae</i>	T		
Fishes	chub, bonytail	<i>Gila elegans</i>	E		
Fishes	chub, Borax Lake	<i>Gila boraxobius</i>	E		
Fishes	chub, Chihuahua	<i>Gila nigrescens</i>	T		
Fishes	chub, humpback	<i>Gila cypha</i>	E		
Fishes	chub, Hutton tui	<i>Gila bicolor ssp.</i>	T		
Fishes	chub, Mohave tui	<i>Gila bicolor mohavensis</i>	E		
Fishes	chub, Oregon	<i>Oregonichthys crameri</i>	E		
Fishes	chub, Owens tui	<i>Gila bicolor snyderi</i>	E		
Fishes	chub, Pahrnagat roundtail	<i>Gila robusta jordani</i>	E		
Fishes	chub, slender	<i>Erimystax cahni</i>	T		
Fishes	chub, Sonora	<i>Gila ditaenia</i>	T		
Fishes	chub, spotfin	<i>Cyprinella monacha</i>	T		
Fishes	chub, Virgin River	<i>Gila robusta seminuda</i>	E		
Fishes	chub, Yaqui	<i>Gila purpurea</i>	E		
Fishes	cui-ui	<i>Chasmistes cujus</i>	E		



Federally Listed Endangered and Threatened Wildlife and Plants  
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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Fishes	dace, Ash Meadows speckled	Rhinichthys osculus nevadensis	E		
Fishes	dace, blackside	Phoxinus cumberlandensis	T		
Fishes	dace, Clover Valley speckled	Rhinichthys osculus oligoporus	E		
Fishes	dace, desert	Eremichthys acros	T		
Fishes	dace, Foskett speckled	Rhinichthys osculus ssp.	T		
Fishes	dace, Independence Valley speckled	Rhinichthys osculus lethoporus	E		
Fishes	dace, Kendall Warm Springs	Rhinichthys osculus thermalis	E		
Fishes	dace, Moapa	Moapa coriacea	E		
Fishes	darer, amber	Percina antesella	E		
Fishes	darer, bayou	Etheostoma rubrum	T		
Fishes	darer, bluemask	Etheostoma sp.	E		
Fishes	darer, boulder	Etheostoma wapiti	E		
Fishes	darer, Cherokee	Etheostoma scotti	T		
Fishes	darer, duskytail	Etheostoma percnurum	E		
Fishes	darer, Etowah	Etheostoma etowahae	E		
Fishes	darer, fountain	Etheostoma fonticola	E		
Fishes	darer, goldline	Percina aurolineata	T		
Fishes	darer, leopard	Percina pantherina	T		
Fishes	darer, Maryland	Etheostoma sellare	E		
Fishes	darer, Niangua	Etheostoma nianguae	T		
Fishes	darer, Okaloosa	Etheostoma okaloosae	E		
Fishes	darer, relict	Etheostoma chienense	E		
Fishes	darer, slackwater	Etheostoma boschungii	T		
Fishes	darer, snail	Percina tanasi	T		
Fishes	darer, watercress	Etheostoma nuchale	E		
Fishes	gambusia, Big Bend	Gambusia gaigei	E		
Fishes	gambusia, Clear Creek	Gambusia heterochir	E		
Fishes	gambusia, Pecos	Gambusia nobilis	E		
Fishes	gambusia, San Marcos	Gambusia georgei	E		
Fishes	goby, tidewater	Eucyclogobius newberryi	E		
Fishes	logperch, Conasauga	Percina jenkinsi	E		
Fishes	logperch, Roanoke	Percina rex	E		
Fishes	madtom, Neosho	Noturus placidus	T		
Fishes	madtom, pygmy	Noturus stanauli	E		
Fishes	madtom, Scioto	Noturus trautmani	E		
Fishes	madtom, smoky	Noturus baileyi	E		
Fishes	madtom, yellowfin	Noturus flavipinnis	T		
Fishes	minnow, Devils River	Dionda diaboli	T		
Fishes	minnow, loach	Tiaroga cobitis	T		
Fishes	minnow, Rio Grande silvery	Hybognathus amarus	E		

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Fishes	pikeminnow, Colorado	Ptychocheilus lucius	E		
Fishes	poofish, Pahrump	Empetrichthys latos	E		
Fishes	pupfish, Ash Meadows Amargosa	Cyprinodon nevadensis mionectes	E		
Fishes	pupfish, Comanche Springs	Cyprinodon elegans	E		
Fishes	pupfish, desert	Cyprinodon macularius	E		
Fishes	pupfish, Devils Hole	Cyprinodon diabolis	E		
Fishes	pupfish, Leon Springs	Cyprinodon bovinus	E		
Fishes	pupfish, Owens	Cyprinodon radiosus	E		
Fishes	pupfish, Warm Springs	Cyprinodon nevadensis pectoralis	E		
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E, T		
Fishes	salmon, chum	Oncorhynchus keta	T		
Fishes	salmon, coho	Oncorhynchus kisutch	T		
Fishes	salmon, sockeye	Oncorhynchus nerka	E, T		
Fishes	sculpin, pygmy	Cottus pygmaeus	T		
Fishes	shiner, Arkansas River	Notropis girardi	T		
Fishes	shiner, beautiful	Cyprinella formosa	T		
Fishes	shiner, blue	Cyprinella caerulea	T		
Fishes	shiner, Cahaba	Notropis cahabae	E		
Fishes	shiner, Cape Fear	Notropis mekistocholas	E		
Fishes	shiner, palezone	Notropis albizonatus	E		
Fishes	shiner, Pecos bluntnose	Notropis simus pecosensis	T		
Fishes	shiner, Topeka	Notropis topeka	E		
Fishes	silverside, Waccamaw	Menidia extensa	T		
Fishes	smelt, delta	Hypomesus transpacificus	T		
Fishes	spikedace	Meda fulgida	T		
Fishes	spinedace, Big Spring	Lepidomeda mollispinis pratensis	T		
Fishes	spinedace, Little Colorado	Lepidomeda vittata	T		
Fishes	spinedace, White River	Lepidomeda albivallis	E		
Fishes	splittail, Sacramento	Pogonichthys macrolepidotus	T		
Fishes	springfish, Hiko White River	Crenichthys baileyi grandis	E		
Fishes	springfish, Railroad Valley	Crenichthys nevadae	T		
Fishes	springfish, White River	Crenichthys baileyi baileyi	E		
Fishes	steelhead	Oncorhynchus mykiss	E, T		
Fishes	stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E		
Fishes	sturgeon, Alabama	Scaphirhynchus suttkusi	E		
Fishes	sturgeon, Gulf	Acipenser oxyrinchus desotoi	T		
Fishes	sturgeon, pallid	Scaphirhynchus albus	E		
Fishes	sturgeon, shortnose	Acipenser brevirostrum	E		
Fishes	sturgeon, white	Acipenser transmontanus	E		
Fishes	sucker, June	Chasmistes liorus	E		

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Fishes	sucker, Lost River	<i>Deltistes luxatus</i>	E		
Fishes	Sucker, Modoc	<i>Catostomus microps</i>	E		
Fishes	sucker, razorback	<i>Xyrauchen texanus</i>	E		
Fishes	sucker, Santa Ana	<i>Catostomus santaanae</i>	T		
Fishes	Sucker, shortnose	<i>Chasmistes brevirostris</i>	E		
Fishes	sucker, Warner	<i>Catostomus warnerensis</i>	T		
Fishes	topminnow, Gila	<i>Poeciliopsis occidentalis</i>	E		
Fishes	trout, Apache	<i>Oncorhynchus apache</i>	T		
Fishes	trout, bull	<i>Salvelinus confluentus</i>	T		
Fishes	trout, Gila	<i>Oncorhynchus gilae</i>	E		
Fishes	trout, coastal cutthroat	<i>Oncorhynchus clarki clarki</i>	DR		
Fishes	trout, greenback cutthroat	<i>Oncorhynchus clarki stomias</i>	T		
Fishes	trout, Lahontan cutthroat	<i>Oncorhynchus clarki henshawi</i>	T		
Fishes	trout, Little Kern golden	<i>Oncorhynchus aguabonita whitei</i>	T		
Fishes	trout, Paiute cutthroat	<i>Oncorhynchus clarki seleniris</i>	T		
Fishes	woundfin	<i>Plagopterus argentissimus</i>	E		
Clams	acornshell, southern	<i>Epioblasma othcaloogensis</i>	E		
Clams	bankclimber, purple	<i>Elliptoideus sloatianus</i>	T		
Clams	bean, Cumberland	<i>Villosa trabalis</i>	E		
Clams	bean, purple	<i>Villosa perpurpurea</i>	E		
Clams	blossom, green	<i>Epioblasma torulosa gubernaculum</i>	E		
Clams	blossom, tubercled	<i>Epioblasma torulosa torulosa</i>	E		
Clams	blossom, turgid	<i>Epioblasma turgidula</i>	E		
Clams	blossom, yellow	<i>Epioblasma florentina florentina</i>	E		
Clams	catspaw	<i>Epioblasma obliquata obliquata</i>	E		
Clams	catspaw, white	<i>Epioblasma obliquata perobliqua</i>	E		
Clams	clubshell	<i>Pleurobema clava</i>	E		
Clams	clubshell, black	<i>Pleurobema curtum</i>	E		
Clams	clubshell, ovate	<i>Pleurobema perovatum</i>	E		
Clams	clubshell, southern	<i>Pleurobema decisum</i>	E		
Clams	combshell, Cumberlandian	<i>Epioblasma brevidens</i>	E		
Clams	combshell, southern	<i>Epioblasma penita</i>	E		
Clams	combshell, upland	<i>Epioblasma metastrata</i>	E		
Clams	elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	E		
Clams	elktoe, Cumberland	<i>Alasmidonta atropurpurea</i>	E		
Clams	fanshell	<i>Cyprogenia stegaria</i>	E		
Clams	fatmucket, Arkansas	<i>Lampsilis powelli</i>	T		
Clams	heelsplitter, Alabama	<i>Potamilus inflatus</i>	T		
Clams	heelsplitter, Carolina	<i>Lasmigona decorata</i>	E		
Clams	higgins eye	<i>Lampsilis higginsii</i>	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Clams	kidneyshell, triangular	Ptychobranchus greeni	E		
Clams	lampmussel, Alabama	Lampsilis virescens	E		
Clams	lilliput, pale	Toxolasma cylindrellus	E		
Clams	mapleleaf, winged	Quadrula fragosa	E		
Clams	moccasinshell, Alabama	Medionidus acutissimus	T		
Clams	moccasinshell, Coosa	Medionidus parvulus	E		
Clams	moccasinshell, Gulf	Medionidus penicillatus	E		
Clams	moccasinshell, Ochlockonee	Medionidus simpsonianus	E		
Clams	monkeyface, Appalachian	Quadrula sparsa	E		
Clams	monkeyface, Cumberland	Quadrula intermedia	E		
Clams	mucket, orangenacre	Lampsilis perovalis	T		
Clams	mucket, pink	Lampsilis abrupta	E		
Clams	mussel, oyster	Epioblasma capsaeformis	E		
Clams	pearlshell, Louisiana	Margaritifera hembeli	T		
Clams	pearlymussel, birdwing	Conradilla caelata	E		
Clams	pearlymussel, cracking	Hemistena lata	E		
Clams	pearlymussel, Curtis	Epioblasma florentina curtisii	E		
Clams	pearlymussel, dromedary	Dromus dromas	E		
Clams	pearlymussel, littlewing	Pegias fabula	E		
Clams	pearlymussel, white wartyback	Plethobasus cicatricosus	E		
Clams	pigtoe, Cumberland	Pleurobema gibberum	E		
Clams	pigtoe, dark	Pleurobema furvum	E		
Clams	pigtoe, finerayed	Fusconaia cuneolus	E		
Clams	pigtoe, flat	Pleurobema marshalli	E		
Clams	pigtoe, heavy	Pleurobema taitianum	E		
Clams	pigtoe, oval	Pleurobema pyriforme	E		
Clams	pigtoe, rough	Pleurobema plenum	E		
Clams	pigtoe, shiny	Fusconaia cor	E		
Clams	pigtoe, southern	Pleurobema georgianum	E		
Clams	pimpleback, orangefoot	Plethobasus cooperianus	E		
Clams	pocketbook, fat	Potamilus capax	E		
Clams	pocketbook, finelined	Lampsilis altilis	T		
Clams	pocketbook, Ouachita rock	Arkansia wheeleri	E		
Clams	pocketbook, shinyrayed	Lampsilis subangulata	E		
Clams	pocketbook, speckled	Lampsilis streckeri	E		
Clams	rabbitsfoot, rough	Quadrula cylindrica strigillata	E		
Clams	riffleshell, northern	Epioblasma torulosa rangiana	E		
Clams	riffleshell, tan	Epioblasma florentina walkeri	E		
Clams	ring pink	Obovaria retusa	E		
Clams	slabshell, Chipola	Elliptio chipolaensis	T		

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Clams	spiny mussel, James	Pleurobema collina	E		
Clams	spiny mussel, Tar River	Elliptio steinstansana	E		
Clams	stirrupshell	Quadrula stapes	E		
Clams	three-ridge, fat	Amblema neislerii	E		
Clams	wedgemussel, dwarf	Alasmidonta heterodon	E		
Snails	ambersnail, Kanab	Oxyloma haydeni kanabensis	E	900	
Snails	campeloma, slender	Campeloma decampi	E		
Snails	elimia, lacy	Elimia crenatella	T		
Snails	limpet, Banbury Springs	Lanx sp.	E		
Snails	lioplax, cylindrical	Lioplax cyclostomaformis	E		
Snails	marstonia, royal	Pyrgulopsis ogmorhapha	E		
Snails	pebblesnail, flat	Lepyrium showalteri	E		
Snails	riversnail, Anthony's	Athearnia anthonyi	E		
Snails	rocksnail, painted	Leptoxis taeniata	T		
Snails	rocksnail, plicate	Leptoxis plicata	E		
Snails	rocksnail, round	Leptoxis ampla	T		
Snails	shagreen, Magazine Mountain	Mesodon magazinensis	T		
Snails	snail, armored	Pyrgulopsis pachyta	E		
Snails	snail, Bliss Rapids	Taylorconcha serpenticola	T		
Snails	snail, Chittenango ovate amber	Succinea chittenangoensis	T		
Snails	snail, flat-spired three-toothed	Triodopsis platysayoides	T		
Snails	snail, Iowa Pleistocene	Discus macclintocki	E		
Snails	snail, Morro shoulderband	Helminthoglypta walkeriana	E		
Snails	snail, Newcomb's	Erinna newcombi	T		
Snails	snail, noonday	Mesodon clarki nantahala	T		
Snails	snail, painted snake coiled forest	Anguispira picta	T		
Snails	snail, Snake River physa	Physa natricina	E		
Snails	snail, Stock Island tree	Orthalicus reses	T		
Snails	snail, tulotoma	Tulotoma magnifica	E		
Snails	snail, Utah valvata	Valvata utahensis	E		
Snails	snail, Virginia fringed mountain	Polygyriscus virginianus	E		
Snails	snails, Oahu tree	Achatinella spp.	E		
Snails	spring snail, Alamosa	Tryonia alamosae	E		
Snails	spring snail, Bruneau Hot	Pyrgulopsis bruneauensis	E		
Snails	spring snail, Idaho	Fontelicella idahoensis	E		
Snails	spring snail, Socorro	Pyrgulopsis neomexicana	E		
Insects	beetle, American burying	Nicrophorus americanus	E		
Insects	beetle, Coffin Cave mold	Batrissodes texanus	E		
Insects	beetle, Comal Springs dryopid	Stygoparnus comalensis	E		
Insects	beetle, Comal Springs riffle	Heterelmis comalensis	E		

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Insects	beetle, delta green ground	<i>Elaphrus viridis</i>	T		
Insects	beetle, Hungerford's crawling water	<i>Brychius hungerfordi</i>	E		
Insects	beetle, Kretschmarr Cave mold	<i>Texamaurops reddelli</i>	E		
Insects	beetle, Mount Hermon June	<i>Polyphylla barbata</i>	E		
Insects	beetle, Tooth Cave ground	<i>Rhadine persephone</i>	E		
Insects	beetle, valley elderberry longhorn	<i>Desmocerus californicus dimorphus</i>	T		
Insects	butterfly, bay checkerspot	<i>Euphydryas editha bayensis</i>	T		
Insects	butterfly, Behren's silverspot	<i>Speyeria zerene behrensii</i>	E		
Insects	butterfly, callippe silverspot	<i>Speyeria callippe callippe</i>	E		
Insects	butterfly, El Segundo blue	<i>Euphilotes battoides allyni</i>	E		
Insects	butterfly, Fender's blue	<i>Icaricia icarioides fenderi</i>	E		
Insects	butterfly, Karner blue	<i>Lycaeides melissa samuelis</i>	E		
Insects	butterfly, Lange's metalmark	<i>Apodemia mormo langei</i>	E		
Insects	butterfly, lotis blue	<i>Lycaeides argyrognomon lotis</i>	E		
Insects	butterfly, mission blue	<i>Icaricia icarioides missionensis</i>	E		
Insects	butterfly, Mitchell's satyr	<i>Neonympha mitchellii mitchellii</i>	E		
Insects	butterfly, Myrtle's silverspot	<i>Speyeria zerene myrtleae</i>	E		
Insects	butterfly, Oregon silverspot	<i>Speyeria zerene hippolyta</i>	T		
Insects	butterfly, Palos Verdes blue	<i>Glaucopsyche lygdamus palosverdesensis</i>	E		
Insects	butterfly, Quino checkerspot	<i>Euphydryas editha quino</i>	E		
Insects	butterfly, Saint Francis' satyr	<i>Neonympha mitchellii francisci</i>	E		
Insects	butterfly, San Bruno elfin	<i>Callophrys mossii bayensis</i>	E		
Insects	butterfly, Schaus swallowtail	<i>Heraclides aristodemus ponceanus</i>	E		
Insects	butterfly, Smith's blue	<i>Euphilotes enoptes smithi</i>	E		
Insects	butterfly, Uncompahgre fritillary	<i>Boloria acrocynema</i>	E		
Insects	dragonfly, Hine's emerald	<i>Somatochlora hineana</i>	E		
Insects	fly, Delhi Sands flower-loving	<i>Rhaphiomidas terminatus abdominalis</i>	E		
Insects	grasshopper, Zayante band-winged	<i>Trimerotropis infantilis</i>	E		
Insects	moth, Blackburn's sphinx	<i>Manduca blackburni</i>	E		
Insects	moth, Kern primrose sphinx	<i>Euproserpinus euterpe</i>	T		
Insects	naucorid, Ash Meadows	<i>Ambrysus amargosus</i>	T		
Insects	skipper, Laguna Mountains	<i>Pyrgus ruralis lagunae</i>	E		
Insects	skipper, Pawnee montane	<i>Hesperia leonardus montana</i>	T		
Insects	tiger beetle, northeastern beach	<i>Cicindela dorsalis dorsalis</i>	T		
Insects	tiger beetle, Puritan	<i>Cicindela puritana</i>	T		
Arachnids	harvestman, Bee Creek Cave	<i>Texella reddelli</i>	E		
Arachnids	harvestman, Bone Cave	<i>Texella reyesi</i>	E		
Arachnids	pseudoscorpion, Tooth Cave	<i>Tartarocreagris texana</i>	E		
Arachnids	spider, Kauai cave wolf or pe'e pe'e maka 'ole	<i>Adelocosa anops</i>	E		
Arachnids	spider, spruce-fir moss	<i>Microhexura montivaga</i>	E		

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Arachnids	spider, Tooth Cave	Neoleptoneta myopica	E		
Crustaceans	amphipod, Hay's Spring	Stygobromus hayi	E		
Crustaceans	amphipod, Illinois cave	Gammarus acherondytes	E		
Crustaceans	amphipod, Kauai cave	Spelaeorchestia koloana	E		
Crustaceans	amphipod, Peck's cave	Stygobromus pecki	E		
Crustaceans	crayfish, cave	Cambarus zophonastes	E		
Crustaceans	crayfish, cave	Cambarus aculabrum	E		
Crustaceans	crayfish, Nashville	Orconectes shoupi	E		
Crustaceans	crayfish, Shasta	Pacifastacus fortis	E		
Crustaceans	fairly shrimp, Conservancy	Branchinecta conservatio	E		
Crustaceans	fairly shrimp, longhorn	Branchinecta longiantenna	E		
Crustaceans	fairly shrimp, Riverside	Streptocephalus woottoni	E		
Crustaceans	fairly shrimp, San Diego	Branchinecta sandiegonensis	E		
Crustaceans	fairly shrimp, vernal pool	Branchinecta lynchi	T		
Crustaceans	isopod, Lee County cave	Lirceus usdagalun	E		
Crustaceans	isopod, Madison Cave	Antrolana lira	T		
Crustaceans	isopod, Socorro	Thermosphaeroma thermophilus	E		
Crustaceans	shrimp, Alabama cave	Palaemonias alabamiae	E		
Crustaceans	shrimp, California freshwater	Syncaris pacifica	E		
Crustaceans	shrimp, Kentucky cave	Palaemonias ganteri	E		
Crustaceans	shrimp, Squirrel Chimney Cave	Palaemonetes cummingi	T		
Crustaceans	tadpole shrimp, vernal pool	Lepidurus packardi	E		
Flowering Plants	a'e	Zanthoxylum hawaiiense	E		
Flowering Plants	a'e	Zanthoxylum dipetalum tomentosum	E		
Flowering Plants	agave, Arizona	Agave arizonica	E		
Flowering Plants	'aiea	Nothoestrum breviflorum	E		
Flowering Plants	'aiea	Nothoestrum peltatum	E		
Flowering Plants	'akoko	Euphorbia haeleleana	E		
Flowering Plants	'akoko	Chamaesyce rockii	E		
Flowering Plants	'akoko	Chamaesyce herbstii	E		
Flowering Plants	'akoko	Chamaesyce kuwaleana	E		
Flowering Plants	'akoko	Chamaesyce celastroides kaenana	E		
Flowering Plants	'akoko	Chamaesyce halemanui	E		
Flowering Plants	'akoko	Chamaesyce deppeana	E		
Flowering Plants	'akoko, Ewa Plains	Chamaesyce skottsbergii kalaeloana	E		
Flowering Plants	alani	Melicope saint-johnii	E		
Flowering Plants	alani	Melicope ovalis	E		
Flowering Plants	alani	Melicope adscendens	E		
Flowering Plants	alani	Melicope zahlbruckneri	E		
Flowering Plants	alani	Melicope reflexa	E		

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Flowering Plants	alani	Melicope quadrangularis	E		
Flowering Plants	alani	Melicope pallida	E		
Flowering Plants	alani	Melicope munroi	E		
Flowering Plants	alani	Melicope balloui	E		
Flowering Plants	alani	Melicope knudsenii	E		
Flowering Plants	alani	Melicope lydgatei	E		
Flowering Plants	alani	Melicope mucronulata	E		
Flowering Plants	alani	Melicope haupuensis	E		
Flowering Plants	allocarya, Calistoga	Plagiobothrys strictus	E		
Flowering Plants	alopecurus, Sonoma	Alopecurus aequalis sonomensis	E		
Flowering Plants	amaranth, seabeach	Amaranthus pumilus	T		
Flowering Plants	ambrosia, south Texas	Ambrosia cheiranthifolia	E		
Flowering Plants	amole, purple	Chlorogalum purpureum	T		
Flowering Plants	amphianthus, little	Amphianthus pusillus	T		
Flowering Plants	'anaunau	Lepidium arbuscula	E		
Flowering Plants	'anunu	Sicyos alba	E		
Flowering Plants	arrowhead, bunched	Sagittaria fasciculata	E		
Flowering Plants	aster, decurrent false	Boltonia decurrens	T		
Flowering Plants	aster, Florida golden	Chrysopsis floridana	E		
Flowering Plants	aster, Ruth's golden	Pityopsis ruthii	E		
Flowering Plants	aupaka	Isodendron laurifolium	E		
Flowering Plants	aupaka	Isodendron longifolium	T		
Flowering Plants	aupaka	Isodendron hosakae	E		
Flowering Plants	avens, spreading	Geum radiatum	E		
Flowering Plants	'awikiwiki	Canavalia molokaiensis	E		
Flowering Plants	awiwi	Hedyotis cookiana	E		
Flowering Plants	awiwi	Centaurium sebaeoides	E		
Flowering Plants	ayenia, Texas	Ayenia limitaris	E		
Flowering Plants	Baccharis, Encinitas	Baccharis vanessae	T		
Flowering Plants	barberry, island	Berberis pinnata insularis	E		
Flowering Plants	barberry, Nevin's	Berberis nevinii	E		
Flowering Plants	barberry, Truckee	Berberis sonnei	E		
Flowering Plants	bariaco	Trichilia triacantha	E		
Flowering Plants	beaked-rush, Knieskern's	Rhynchospora knieskernii	T		
Flowering Plants	bear-poppy, dwarf	Arctomecon humilis	E		
Flowering Plants	beardtongue, Penland	Penstemon penlandii	E		
Flowering Plants	beargrass, Britton's	Nolina brittoniana	E		
Flowering Plants	beauty, Harper's	Harperocalis flava	E		
Flowering Plants	bedstraw, El Dorado	Galium californicum sierrae	E		
Flowering Plants	bedstraw, island	Galium buxifolium	E		



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Flowering Plants	bellflower, Brooksville	Campanula robinsiae	E		
Flowering Plants	birch, Virginia round-leaf	Betula uber	T		
Flowering Plants	bird's beak, palmate-bracted	Cordylanthus palmatus	E		
Flowering Plants	bird's-beak, Pennell's	Cordylanthus tenuis capillaris	E		
Flowering Plants	bird's-beak, salt marsh	Cordylanthus maritimus maritimus	E		
Flowering Plants	bird's-beak, soft	Cordylanthus mollis mollis	E		
Flowering Plants	birds-in-a-nest, white	Macbridea alba	T		
Flowering Plants	bittercress, small-anthered	Cardamine micranthera	E		
Flowering Plants	bladderpod, Dudley Bluffs	Lesquerella congesta	T		
Flowering Plants	bladderpod, kodachrome	Lesquerella tumulosa	E		
Flowering Plants	bladderpod, lyrate	Lesquerella lyrata	T		
Flowering Plants	bladderpod, Missouri	Lesquerella filiformis	E		
Flowering Plants	bladderpod, San Bernardino Mountains	Lesquerella kingii bernardina	E		
Flowering Plants	bladderpod, Spring Creek	Lesquerella perforata	E		
Flowering Plants	bladderpod, white	Lesquerella pallida	E		
Flowering Plants	bladderpod, Zapata	Lesquerella thamnophila	E		
Flowering Plants	blazingstar, Ash Meadows	Mentzelia leucophylla	T		
Flowering Plants	blazingstar, Heller's	Liatris helleri	T		
Flowering Plants	blazingstar, scrub	Liatris ohlingeriae	E		
Flowering Plants	blue-star, Kearney's	Amsonia kearneyana	E		
Flowering Plants	bluecurls, Hidden Lake	Trichostema austromontanum compactum	T		
Flowering Plants	bluegrass, Hawaiian	Poa sandvicensis	E		
Flowering Plants	bluegrass, Mann's	Poa mannii	E		
Flowering Plants	bluegrass, Napa	Poa napensis	E		
Flowering Plants	bluegrass, San Bernardino	Poa atropurpurea	E		
Flowering Plants	bluet, Roan Mountain	Hedyotis purpurea montana	E		
Flowering Plants	bonamia, Florida	Bonamia grandiflora	T		
Flowering Plants	boxwood, Vahl's	Buxus vahlii	E		
Flowering Plants	brodiaea, Chinese Camp	Brodiaea pallida	T		
Flowering Plants	brodiaea, thread-leaved	Brodiaea filifolia	T		
Flowering Plants	broom, San Clemente Island	Lotus dendroideus traskiae	E		
Flowering Plants	buckwheat, cushenbury	Eriogonum ovalifolium vineum	E		
Flowering Plants	buckwheat, lone	Eriogonum apricum	E		
Flowering Plants	buckwheat, scrub	Eriogonum longifolium gnaphalifolium	T		
Flowering Plants	buckwheat, steamboat	Eriogonum ovalifolium williamsiae	E		
Flowering Plants	bulrush, Northeastern	Scirpus ancistrochaetus	E		
Flowering Plants	bush-clover, prairie	Lespedeza leptostachya	T		
Flowering Plants	bush-mallow, San Clemente Island	Malacothamnus clementinus	E		
Flowering Plants	bush-mallow, Santa Cruz Island	Malacothamnus fasciculatus nesioticus	E		
Flowering Plants	buttercup, autumn	Ranunculus acriformis aestivalis	E		

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Flowering Plants	butterweed, Layne's	Senecio layneae	T		
Flowering Plants	butterwort, Godfrey's	Pinguicula ionantha	T		
Flowering Plants	button, Mohr's Barbara	Marshallia mohrii	T		
Flowering Plants	button-celery, San Diego	Eryngium aristulatum parishii	E		
Flowering Plants	cactus, Arizona hedgehog	Echinocereus triglochidiatus arizonicus	E		
Flowering Plants	cactus, Bakersfield	Opuntia treleasei	E		
Flowering Plants	cactus, black lace	Echinocereus reichenbachii albertii	E		
Flowering Plants	cactus, Brady pincushion	Pediocactus bradyi	E		
Flowering Plants	cactus, Chisos Mtn. hedgehog	Echinocereus chisoensis chisoensis	T		
Flowering Plants	cactus, Cochise pincushion	Coryphantha robbinsorum	T		
Flowering Plants	cactus, Key tree	Pilosocereus robinii	E		
Flowering Plants	cactus, Knowlton	Pediocactus knowltonii	E		
Flowering Plants	cactus, Kuenzler hedgehog	Echinocereus fendleri kuenzleri	E		
Flowering Plants	cactus, Lee pincushion	Coryphantha sneedii leeii	T		
Flowering Plants	cactus, Lloyd's Mariposa	Echinomastus mariposensis	T		
Flowering Plants	cactus, Mesa Verde	Sclerocactus mesae-verdae	T		
Flowering Plants	cactus, Nellie cory	Coryphantha minima	E		
Flowering Plants	cactus, Nichol's Turk's head	Echinocactus horizontalonius nicholii	E		
Flowering Plants	cactus, Peebles Navajo	Pediocactus peeblesianus peeblesianus	E		
Flowering Plants	cactus, Pima pineapple	Coryphantha scheeri robustispina	E		
Flowering Plants	cactus, San Rafael	Pediocactus despainii	E		
Flowering Plants	cactus, Siler pincushion	Pediocactus sileri	T		
Flowering Plants	cactus, Sneed pincushion	Coryphantha sneedii sneedii	E		
Flowering Plants	cactus, star	Astrophytum asterias	E		
Flowering Plants	cactus, Tobusch fishhook	Ancistrocactus tobuschii	E		
Flowering Plants	cactus, Unita Basin hookless	Sclerocactus glaucus	T		
Flowering Plants	cactus, Winkler	Pediocactus winkleri	T		
Flowering Plants	cactus, Wright fishhook	Sclerocactus wrightiae	E		
Flowering Plants	campion, fringed	Silene polypetala	E		
Flowering Plants	capa rosa	Callicarpa ampla	E		
Flowering Plants	cat's-eye, Terlingua Creek	Cryptantha crassipes	E		
Flowering Plants	ceanothus, coyote	Ceanothus ferrisae	E		
Flowering Plants	ceanothus, Pine Hill	Ceanothus roderickii	E		
Flowering Plants	ceanothus, Vail Lake	Ceanothus ophiochilus	T		
Flowering Plants	centaury, spring-loving	Centaurium namophilum	T		
Flowering Plants	chaff-flower, round-leaved	Achyranthes splendens rotundata	E		
Flowering Plants	chaffseed, American	Schwalbea americana	E		
Flowering Plants	Checker-mallow, Keck's	Sidalcea keckii	E		
Flowering Plants	checker-mallow, Kenwood Marsh	Sidalcea oregana valida	E		
Flowering Plants	checker-mallow, Nelson's	Sidalcea nelsoniana	T		

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Flowering Plants	checker-mallow, pedate	<i>Sidalcea pedata</i>	E		
Flowering Plants	checkermallow, Wenatchee Mountains	<i>Sidalcea oregana calva</i>	E		
Flowering Plants	chupacallos	<i>Pleodendron macranthum</i>	E		
Flowering Plants	cinquefoil, Robbins'	<i>Potentilla robbinsiana</i>	E		
Flowering Plants	clarkia, Pismo	<i>Clarkia speciosa immaculata</i>	E		
Flowering Plants	clarkia, Presidio	<i>Clarkia franciscana</i>	E		
Flowering Plants	clarkia, Springville	<i>Clarkia springvillensis</i>	T		
Flowering Plants	clarkia, Vine Hill	<i>Clarkia imbricata</i>	E		
Flowering Plants	cliff-rose, Arizona	<i>Purshia subintegra</i>	E		
Flowering Plants	clover, Monterey	<i>Trifolium trichocalyx</i>	E		
Flowering Plants	clover, running buffalo	<i>Trifolium stoloniferum</i>	E		
Flowering Plants	clover, showy Indian	<i>Trifolium amoenum</i>	E		
Flowering Plants	cobana negra	<i>Stahlia monosperma</i>	T		
Flowering Plants	coneflower, smooth	<i>Echinacea laevigata</i>	E		
Flowering Plants	coneflower, Tennessee purple	<i>Echinacea tennesseensis</i>	E		
Flowering Plants	cory cactus, bunched	<i>Coryphantha ramillosa</i>	T		
Flowering Plants	cress, toad-flax	<i>Schoenocrambe suffrutescens</i>	E		
Flowering Plants	crownbeard, big-leaved	<i>Verbesina dissita</i>	T		
Flowering Plants	crownscale, San Jacinto Valley	<i>Atriplex coronata notatior</i>	E		
Flowering Plants	cycladenia, Jones	<i>Cycladenia humilis jonesii</i>	T		
Flowering Plants	daisy, lakeside	<i>Hymenoxys herbacea</i>	T		
Flowering Plants	daisy, Maguire	<i>Erigeron maguirei</i>	T		
Flowering Plants	daisy, Parish's	<i>Erigeron parishii</i>	T		
Flowering Plants	daisy, Willamette	<i>Erigeron decumbens decumbens</i>	E		
Flowering Plants	dawn-flower, Texas prairie	<i>Hymenoxys texana</i>	E		
Flowering Plants	dogweed, ashy	<i>Thymophylla tephroleuca</i>	E		
Flowering Plants	dropwort, Canby's	<i>Oxypolis canbyi</i>	E		
Flowering Plants	dudleya, Conejo	<i>Dudleya abramsii parva</i>	T		
Flowering Plants	dudleya, marcescent	<i>Dudleya cymosa marcescens</i>	T		
Flowering Plants	dudleya, Santa Clara Valley	<i>Dudleya setchellii</i>	E		
Flowering Plants	dudleya, Santa Cruz Island	<i>Dudleya nesiotica</i>	T		
Flowering Plants	dudleya, Verity's	<i>Dudleya verityi</i>	T		
Flowering Plants	dudleyea, Santa Monica Mountains	<i>Dudleya cymosa ovatifolia</i>	T		
Flowering Plants	dwarf-flax, Marin	<i>Hesperolinon congestum</i>	T		
Flowering Plants	erubia	<i>Solanum dryophilum</i>	E		
Flowering Plants	evening-primrose, Antioch Dunes	<i>Oenothera deltoides howellii</i>	E		
Flowering Plants	evening-primrose, Eureka Valley	<i>Oenothera avita eurekaensis</i>	E		
Flowering Plants	evening-primrose, San Benito	<i>Camissonia benitensis</i>	T		
Flowering Plants	fiddleneck, large-flowered	<i>Amsinckia grandiflora</i>	E		
Flowering Plants	flannelbush, Mexican	<i>Fremontodendron mexicanum</i>	E		

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Flowering Plants	flannelbush, Pine Hill	Fremontodendron californicum decumbens	E		
Flowering Plants	fleabane, Zuni	Erigeron rhizomatus	T		
Flowering Plants	four-o'clock, MacFarlane's	Mirabilis macfarlanei	T		
Flowering Plants	frankenia, Johnston's	Frankenia johnstonii	E		
Flowering Plants	fringe-tree, pygmy	Chionanthus pygmaeus	E		
Flowering Plants	fringepod, Santa Cruz Island	Thysanocarpus conchuliferus	E		
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E		
Flowering Plants	gardenia, Hawaiian	Gardenia brighamii	E		
Flowering Plants	geranium, Hawaiian red-flowered	Geranium arboreum	E		
Flowering Plants	gerardia, sandplain	Agalinis acuta	E		
Flowering Plants	gilia, Hoffmann's slender-flowered	Gilia tenuiflora hoffmannii	E		
Flowering Plants	gilia, Monterey	Gilia tenuiflora arenaria	E		
Flowering Plants	goetzea, beautiful	Goetzea elegans	E		
Flowering Plants	goldenrod, Blue Ridge	Solidago spithamaea	T		
Flowering Plants	goldenrod, Houghton's	Solidago houghtonii	T		
Flowering Plants	goldenrod, Short's	Solidago shortii	E		
Flowering Plants	goldenrod, white-haired	Solidago albopilosa	T		
Flowering Plants	goldfields, Burke's	Lasthenia burkei	E		
Flowering Plants	goldfields, Contra Costa	Lasthenia conjugens	E		
Flowering Plants	gooseberry, Miccosukee	Ribes echinellum	T		
Flowering Plants	gourd, Okeechobee	Cucurbita okeechobeensis okeechobeensis	E		
Flowering Plants	grass, California Orcutt	Orcuttia californica	E		
Flowering Plants	grass, Colusa	Neostapfia colusana	T		
Flowering Plants	grass, Eureka Dune	Swallenia alexandrae	E		
Flowering Plants	grass, Solano	Tuctoria mucronata	E		
Flowering Plants	grass, Tennessee yellow-eyed	Xyris tennesseensis	E		
Flowering Plants	ground-plum, Pyne's	Astragalus bibullatus	E		
Flowering Plants	groundsel, San Francisco Peaks	Senecio franciscanus	T		
Flowering Plants	gumplant, Ash Meadows	Grindelia fraxino-pratensis	T		
Flowering Plants	haha	Cyanea humboldtiana	E		
Flowering Plants	haha	Cyanea crispa	E		
Flowering Plants	haha	Cyanea grimesiana grimesiana	E		
Flowering Plants	haha	Cyanea shipmannii	E		
Flowering Plants	haha	Cyanea superba	E		
Flowering Plants	haha	Cyanea st-johnii	E		
Flowering Plants	haha	Cyanea mceldowneyi	E		
Flowering Plants	haha	Cyanea undulata	E		
Flowering Plants	haha	Cyanea truncata	E		
Flowering Plants	haha	Cyanea recta	T		
Flowering Plants	haha	Cyanea procera	E		

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Flowering Plants	haha	Cyanea mannii	E		
Flowering Plants	haha	Cyanea glabra	E		
Flowering Plants	haha	Cyanea dunbarii	E		
Flowering Plants	haha	Cyanea copelandii copelandii	E		
Flowering Plants	haha	Cyanea asarifolia	E		
Flowering Plants	haha	Cyanea hamatiflora hamatiflora	E		
Flowering Plants	haha	Cyanea copelandii haleakalaensis	E		
Flowering Plants	haha	Cyanea longiflora	E		
Flowering Plants	haha	Cyanea koolauensis	E		
Flowering Plants	haha	Cyanea remyi	E		
Flowering Plants	haha	Cyanea acuminata	E		
Flowering Plants	haha	Cyanea macrostegia gibsonii	E		
Flowering Plants	haha	Cyanea lobata	E		
Flowering Plants	haha	Cyanea hamatiflora carlsonii	E		
Flowering Plants	haha	Cyanea grimesiana obatae	E		
Flowering Plants	haha	Cyanea stictophylla	E		
Flowering Plants	haha	Cyanea platyphylla	E		
Flowering Plants	haha	Cyanea pinnatifida	E		
Flowering Plants	ha'iwale	Cyrtandra dentata	E		
Flowering Plants	ha'iwale	Cyrtandra viridiflora	E		
Flowering Plants	ha'iwale	Cyrtandra tintinnabula	E		
Flowering Plants	ha'iwale	Cyrtandra limahuliensis	T		
Flowering Plants	ha'iwale	Cyrtandra giffardii	E		
Flowering Plants	ha'iwale	Cyrtandra munroi	E		
Flowering Plants	ha'iwale	Cyrtandra crenata	E		
Flowering Plants	ha'iwale	Cyrtandra polyantha	E		
Flowering Plants	ha'iwale	Cyrtandra subumbellata	E		
Flowering Plants	hala pepe	Pleomele hawaiiensis	E		
Flowering Plants	harebells, Avon Park	Crotalaria avonensis	E		
Flowering Plants	harperella	Ptilimnium nodosum	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus giffardianus	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus hualalaiensis	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus woodii	E		
Flowering Plants	heartleaf, dwarf-flowered	Hexastylis naniflora	T		
Flowering Plants	heather, mountain golden	Hudsonia montana	T		
Flowering Plants	heau	Exocarpos luteolus	E		
Flowering Plants	hedyotis, Na Pali beach	Hedyotis st.-johnii	E		
Flowering Plants	hibiscus, Clay's	Hibiscus clayi	E		
Flowering Plants	higo, chumbo	Harrisia portoricensis	T		
Flowering Plants	higuero de sierra	Crescentia portoricensis	E		

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Flowering Plants	holei	Ochrosia kilauaeensis	E		
Flowering Plants	holly, Cook's	Ilex cookii	E		
Flowering Plants	Honohono	Haplostachys haplostachya	E		
Flowering Plants	howellia, water	Howellia aquatilis	T		
Flowering Plants	hypericum, highlands scrub	Hypericum cumulicola	E		
Flowering Plants	iliau, dwarf	Wilkesia hobbii	E		
Flowering Plants	indian paintbrush, San Clemente Island	Castilleja grisea	E		
Flowering Plants	ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E		
Flowering Plants	iris, dwarf lake	Iris lacustris	T		
Flowering Plants	irisette, white	Sisyrinchium dichotomum	E		
Flowering Plants	ischaemum, Hilo	Ischaemum byrone	E		
Flowering Plants	ivesia, Ash Meadows	Ivesia kingii eremica	T		
Flowering Plants	jacquemontia, beach	Jacquemontia reclinata	E		
Flowering Plants	jewelflower, California	Caulanthus californicus	E		
Flowering Plants	jewelflower, Metcalf Canyon	Streptanthus albidus albidus	E		
Flowering Plants	jewelflower, Tiburon	Streptanthus niger	E		
Flowering Plants	joint-vetch, sensitive	Aeschynomene virginica	T		
Flowering Plants	kamakahala	Labordia triflora	E		
Flowering Plants	kamakahala	Labordia tinifolia wahiawaensis	E		
Flowering Plants	kamakahala	Labordia tinifolia lanaiensis	E		
Flowering Plants	kamakahala	Labordia lydgatei	E		
Flowering Plants	kamakahala	Labordia cyrtandrae	E		
Flowering Plants	kauai hau kuahiwi	Hibiscadelphus distans	E		
Flowering Plants	kaulila	Colubrina oppositifolia	E		
Flowering Plants	kaulu	Pteralyxia kauaiensis	E		
Flowering Plants	kio'ele	Hedyotis coriacea	E		
Flowering Plants	kiponapona	Phyllostegia racemosa	E		
Flowering Plants	kohe malama malama o kanaloa	Kanaloa kahoolawensis	E		
Flowering Plants	koki'o	Kokia drynarioides	E		
Flowering Plants	koki'o ke'oke'o	Hibiscus waimeae hannerae	E		
Flowering Plants	koki'o ke'oke'o	Hibiscus arnottianus immaculatus	E		
Flowering Plants	koki'o, (=Cooke's koki'o)	Kokia cookei	E		
Flowering Plants	koki'o, (=Kaua'i koki'o)	Kokia kauaiensis	E		
Flowering Plants	kolea	Myrsine linearifolia	T		
Flowering Plants	kolea	Myrsine juddii	E		
Flowering Plants	ko'oko'olau	Bidens micrantha kalealaha	E		
Flowering Plants	ko'oko'olau	Bidens wiebkei	E		
Flowering Plants	ko'oloa'ula	Abutilon menziesii	E		
Flowering Plants	Kopa	Hedyotis schlechtendahlia remyi	E		
Flowering Plants	kuahiwi laukahi	Plantago princeps	E		

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Flowering Plants	kuahiwi laukahi	Plantago hawaiensis	E		
Flowering Plants	kuawawaenuhu	Alsinidendron lychnoides	E		
Flowering Plants	kula wahine noho	Isodendron pyriform	E		
Flowering Plants	kulu'i	Nototrichium humile	E		
Flowering Plants	ladies'-tresses, Canelo Hills	Spiranthes delitescens	E		
Flowering Plants	ladies'-tresses, Navasota	Spiranthes parksii	E		
Flowering Plants	ladies'-tresses, Ute	Spiranthes diluvialis	T		
Flowering Plants	Lagu, Hyan	Serianthes nelsonii	E		
Flowering Plants	larkspur, Baker's	Delphinium bakeri	E		
Flowering Plants	larkspur, San Clemente Island	Delphinium variegatum kinkiense	E		
Flowering Plants	larkspur, yellow	Delphinium luteum	E		
Flowering Plants	lau 'ehu	Panicum niuhauense	E		
Flowering Plants	lauhilihi, (=Ma'oli'oli)	Schiedea stellaroides	E		
Flowering Plants	layia, beach	Layia carnosa	E		
Flowering Plants	lead-plant, Crenulate	Amorpha crenulata	E		
Flowering Plants	leather flower, Alabama	Clematis socialis	E		
Flowering Plants	leather flower, Morefield's	Clematis morefieldii	E		
Flowering Plants	lessingia, San Francisco	Lessingia germanorum	E		
Flowering Plants	liliwai	Acaena exigua	E		
Flowering Plants	lily, Minnesota dwarf trout	Erythronium propullans	E		
Flowering Plants	lily, Pitkin Marsh	Lilium pardalinum pitkinense	E		
Flowering Plants	lily, Western	Lilium occidentale	E		
Flowering Plants	liveforever, Laguna Beach	Dudleya stolonifera	T		
Flowering Plants	liveforever, Santa Barbara Island	Dudleya traskiae	E		
Flowering Plants	locoweed, Fassett's	Oxytropis campestris chartacea	T		
Flowering Plants	lomatium, Bradshaw's	Lomatium bradshawii	E		
Flowering Plants	loosestrife, rough-leaved	Lysimachia asperulaefolia	E		
Flowering Plants	lo'ulu	Pritchardia remota	E		
Flowering Plants	lo'ulu	Pritchardia kaalae	E		
Flowering Plants	lo'ulu	Pritchardia munroi	E		
Flowering Plants	lo'ulu	Pritchardia schattaueri	E		
Flowering Plants	lo'ulu	Pritchardia affinis	E		
Flowering Plants	lo'ulu	Pritchardia viscosa	E		
Flowering Plants	lo'ulu	Pritchardia napaliensis	E		
Flowering Plants	lo'ulu, (=wahane)	Pritchardia aylmer-robinsonii	E		
Flowering Plants	lousewort, Furbish	Pedicularis furbishiae	E		
Flowering Plants	love grass, Fosberg's	Eragrostis fosbergii	E		
Flowering Plants	lupine, clover	Lupinus tidestromii	E		
Flowering Plants	Lupine, Kincaid's	Lupinus sulphureus kincaidii	T		
Flowering Plants	lupine, Nipomo Mesa	Lupinus nipomensis	E		

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Flowering Plants	lupine, scrub	Lupinus aridorum	E		
Flowering Plants	mahoe	Alectryon macrococcus	E		
Flowering Plants	makou	Peucedanum sandwicense	T		
Flowering Plants	malacothrix, island	Malacothrix squalida	E		
Flowering Plants	Malacothrix, Santa Cruz Island	Malacothrix indecora	E		
Flowering Plants	mallow, Kern	Eremalche kernensis	E		
Flowering Plants	mallow, Peter's Mountain	Iliamna corei	E		
Flowering Plants	manaca, palma de	Calyptronoma rivalis	T		
Flowering Plants	manioc, Walker's	Manihot walkerae	E		
Flowering Plants	manzanita, Del Mar	Arctostaphylos glandulosa crassifolia	E		
Flowering Plants	manzanita, lone	Arctostaphylos myrtifolia	T		
Flowering Plants	manzanita, Morro	Arctostaphylos morroensis	T		
Flowering Plants	manzanita, pallid	Arctostaphylos pallida	T		
Flowering Plants	Manzanita, Presidio	Arctostaphylos hookeri ravenii	E		
Flowering Plants	manzanita, Santa Rosa Island	Arctostaphylos confertiflora	E		
Flowering Plants	ma'o hau hele, (=native yellow hibiscus)	Hibiscus brackenridgei	E		
Flowering Plants	ma'oli'oli	Schiedea kealiae	E		
Flowering Plants	ma'oli'oli	Schiedea apokremnos	E		
Flowering Plants	mapele	Cyrtandra cyaneoides	E		
Flowering Plants	mariposa lily, Tiburon	Calochortus tiburonensis	T		
Flowering Plants	maua	Xylosma crenatum	E		
Flowering Plants	meadowfoam, Butte County	Limnanthes floccosa californica	E		
Flowering Plants	meadowfoam, Sebastopol	Limnanthes vinculans	E		
Flowering Plants	meadowrue, Cooley's	Thalictrum cooleyi	E		
Flowering Plants	mehamehame	Flueggea neowawraea	E		
Flowering Plants	mesa-mint, Otay	Pogogyne nudiuscula	E		
Flowering Plants	mesa-mint, San Diego	Pogogyne abramsii	E		
Flowering Plants	milk-vetch, Applegate's	Astragalus applegatei	E		
Flowering Plants	milk-vetch, Ash meadows	Astragalus phoenix	T		
Flowering Plants	milk-vetch, Braunton's	Astragalus brauntonii	E		
Flowering Plants	milk-vetch, Clara Hunt's	Astragalus clarianus	E		
Flowering Plants	milk-vetch, Coachella Valley	Astragalus lentiginosus coachellae	E		
Flowering Plants	milk-vetch, coastal dunes	Astragalus tener titi	E		
Flowering Plants	milk-vetch, Cushenbury	Astragalus albens	E		
Flowering Plants	milk-vetch, Deseret	Astragalus desereticus	T		
Flowering Plants	milk-vetch, Fish Slough	Astragalus lentiginosus piscinensis	T		
Flowering Plants	milk-vetch, heliotrope	Astragalus montii	T		
Flowering Plants	milk-vetch, Jesup's	Astragalus robbinsii jesupi	E		
Flowering Plants	milk-vetch, Lane Mountain	Astragalus jaegerianus	E		
Flowering Plants	milk-vetch, Mancos	Astragalus humillimus	E		



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Flowering Plants	milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	E		
Flowering Plants	milk-vetch, Peirson's	<i>Astragalus magdalenae peirsonii</i>	T		
Flowering Plants	milk-vetch, Sentry	<i>Astragalus cremnophylax cremnophylax</i>	E		
Flowering Plants	milk-vetch, triple-ribbed	<i>Astragalus tricarinatus</i>	E		
Flowering Plants	milkpea, Small's	<i>Galactia smallii</i>	E		
Flowering Plants	milkweed, Mead's	<i>Asclepias meadii</i>	T		
Flowering Plants	milkweed, Welsh's	<i>Asclepias welshii</i>	T		
Flowering Plants	mint, Garrett's	<i>Dicerandra christmanii</i>	E		
Flowering Plants	mint, Lakela's	<i>Dicerandra immaculata</i>	E		
Flowering Plants	mint, longspurred	<i>Dicerandra cornutissima</i>	E		
Flowering Plants	mint, scrub	<i>Dicerandra frutescens</i>	E		
Flowering Plants	monardella, willow	<i>Monardella linoides viminea</i>	E		
Flowering Plants	monkey-flower, Michigan	<i>Mimulus glabratus michiganensis</i>	E		
Flowering Plants	monkshood, northern wild	<i>Aconitum noveboracense</i>	T		
Flowering Plants	morning-glory, Stebbins'	<i>Calystegia stebbinsii</i>	E		
Flowering Plants	mountain balm, Indian Knob	<i>Eriodictyon altissimum</i>	E		
Flowering Plants	mountain-mahogany, Catalina Island	<i>Cercocarpus traskiae</i>	E		
Flowering Plants	mustard, Carter's	<i>Warea carteri</i>	E		
Flowering Plants	mustard, Penland alpine fen	<i>Eutrema penlandii</i>	T		
Flowering Plants	mustard, slender-petaled	<i>Thelypodium stenopetalum</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia latifolia</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia plantaginea humilis</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia pauciflora</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia herbstobatae</i>	E		
Flowering Plants	nani wai'ale'ale	<i>Viola kauaiensis wahiawaensis</i>	E		
Flowering Plants	nanu	<i>Gardenia mannii</i>	E		
Flowering Plants	naupaka, dwarf	<i>Scaevola coriacea</i>	E		
Flowering Plants	navarretia, few-flowered	<i>Navarretia leucocephala pauciflora</i>	E		
Flowering Plants	navarretia, many-flowered	<i>Navarretia leucocephala plieantha</i>	E		
Flowering Plants	navarretia, spreading	<i>Navarretia fossalis</i>	T		
Flowering Plants	nehe	<i>Lipochaeta fauriei</i>	E		
Flowering Plants	nehe	<i>Lipochaeta lobata leptophylla</i>	E		
Flowering Plants	nehe	<i>Lipochaeta kamolensis</i>	E		
Flowering Plants	nehe	<i>Lipochaeta waimeaensis</i>	E		
Flowering Plants	nehe	<i>Lipochaeta tenuifolia</i>	E		
Flowering Plants	nehe	<i>Lipochaeta micrantha</i>	E		
Flowering Plants	nehe	<i>Lipochaeta venosa</i>	E		
Flowering Plants	nioi	<i>Eugenia koolauensis</i>	E		
Flowering Plants	niterwort, Amargosa	<i>Nitrophila mohavensis</i>	E		
Flowering Plants	No common name	<i>Achyranthes mutica</i>	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Lobelia gaudichaudii koolauensis	E		
Flowering Plants	No common name	Phyllostegia hirsuta	E		
Flowering Plants	No common name	Phyllostegia knudsenii	E		
Flowering Plants	No common name	Neraudia ovata	E		
Flowering Plants	No common name	Amaranthus brownii	E		
Flowering Plants	No common name	Phyllostegia parviflora	E		
Flowering Plants	No common name	Schiedea hookeri	E		
Flowering Plants	No common name	Bonamia menziesii	E		
Flowering Plants	No common name	Alsinidendron trinerve	E		
Flowering Plants	No common name	Alsinidendron obovatum	E		
Flowering Plants	No common name	Abutilon sandwicense	E		
Flowering Plants	No common name	Abutilon eremitopetalum	E		
Flowering Plants	No common name	Schiedea verticillata	E		
Flowering Plants	No common name	Schiedea sarmentosa	E		
Flowering Plants	No common name	Schiedea membranacea	E		
Flowering Plants	No common name	Tetramolopium arenarium	E		
Flowering Plants	No common name	Stenogyne kanehoana	E		
Flowering Plants	No common name	Stenogyne angustifolia angustifolia	E		
Flowering Plants	No common name	Silene lanceolata	E		
Flowering Plants	No common name	Silene alexandri	E		
Flowering Plants	No common name	Schiedea kaalae	E		
Flowering Plants	No common name	Remya kauaiensis	E		
Flowering Plants	No common name	Phyllostegia glabra lanaiensis	E		
Flowering Plants	No common name	Lobelia niihauensis	E		
Flowering Plants	No common name	Hesperomannia lydgatei	E		
Flowering Plants	No common name	Hesperomannia arbuscula	E		
Flowering Plants	No common name	Hesperomannia arborescens	E		
Flowering Plants	No common name	Hedyotis parvula	E		
Flowering Plants	No common name	Hedyotis degeneri	E		
Flowering Plants	No common name	Gouania vitifolia	E		
Flowering Plants	No common name	Gouania meyenii	E		
Flowering Plants	No common name	Gouania hillebrandii	E		
Flowering Plants	No common name	Phyllostegia kaalaensis	E		
Flowering Plants	No common name	Eugenia woodburyana	E		
Flowering Plants	No common name	Phyllostegia mannii	E		
Flowering Plants	No common name	Ilex sintensisii	E		
Flowering Plants	No common name	Cranichis ricartii	E		
Flowering Plants	No common name	Vernonia proctorii	E		
Flowering Plants	No common name	Trematolobelia singularis	E		
Flowering Plants	No common name	Stenogyne campanulata	E		

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Flowering Plants	No common name	Stenogyne bifida	E		
Flowering Plants	No common name	Spermolepis hawaiiensis	E		
Flowering Plants	No common name	Silene perlmanni	E		
Flowering Plants	No common name	Schiedea nuttallii	E		
Flowering Plants	No common name	Schiedea kauaiensis	E		
Flowering Plants	No common name	Sanicula mariversa	E		
Flowering Plants	No common name	Phyllostegia wawrana	E		
Flowering Plants	No common name	Phyllostegia warshaueri	E		
Flowering Plants	No common name	Phyllostegia velutina	E		
Flowering Plants	No common name	Phyllostegia waimeae	E		
Flowering Plants	No common name	Mariscus fauriei	E		
Flowering Plants	No common name	Lysimachia maxima	E		
Flowering Plants	No common name	Lysimachia lydgatei	E		
Flowering Plants	No common name	Lyonia truncata proctorii	E		
Flowering Plants	No common name	Leptocereus grantianus	E		
Flowering Plants	No common name	Catesbaea melanocarpa	E		
Flowering Plants	No common name	Auerodendron pauciflorum	E		
Flowering Plants	No common name	Aristida chaseae	E		
Flowering Plants	No common name	Remya montgomeryi	E		
Flowering Plants	No common name	Alsinidendron viscosum	E		
Flowering Plants	No common name	Schoepfia arenaria	T		
Flowering Plants	No common name	Schiedea spergulina spergulina	T		
Flowering Plants	No common name	Schiedea spergulina leiopoda	E		
Flowering Plants	No common name	Schiedea lydgatei	E		
Flowering Plants	No common name	Schiedea helleri	E		
Flowering Plants	No common name	Schiedea haleakalensis	E		
Flowering Plants	No common name	Gesneria pauciflora	T		
Flowering Plants	No common name	Myrcia paganii	E		
Flowering Plants	No common name	Mariscus pennatiflorus	E		
Flowering Plants	No common name	Ternstroemia subsessilis	E		
Flowering Plants	No common name	Silene hawaiiensis	T		
Flowering Plants	No common name	Poa siphonoglossa	E		
Flowering Plants	No common name	Platanthera holochila	E		
Flowering Plants	No common name	Phyllostegia mollis	E		
Flowering Plants	No common name	Mitracarpus polycladus	E		
Flowering Plants	No common name	Mitracarpus maxwelliae	E		
Flowering Plants	No common name	Lysimachia filifolia	E		
Flowering Plants	No common name	Lobelia monostachya	E		
Flowering Plants	No common name	Lepanthes eltoroensis	E		
Flowering Plants	No common name	Daphnopsis hellerana	E		

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Flowering Plants	No common name	<i>Cordia bellonis</i>	E		
Flowering Plants	No common name	<i>Chamaecrista glandulosa mirabilis</i>	E		
Flowering Plants	No common name	<i>Calyptanthus thomasiana</i>	E		
Flowering Plants	No common name	<i>Viola oahuensis</i>	E		
Flowering Plants	No common name	<i>Viola lanaiensis</i>	E		
Flowering Plants	No common name	<i>Viola helenae</i>	E		
Flowering Plants	No common name	<i>Vigna o-wahuensis</i>	E		
Flowering Plants	No common name	<i>Tetramolopium rockii</i>	T		
Flowering Plants	No common name	<i>Tetramolopium remyi</i>	E		
Flowering Plants	No common name	<i>Tetramolopium lepidotum lepidotum</i>	E		
Flowering Plants	No common name	<i>Tetramolopium filiforme</i>	E		
Flowering Plants	No common name	<i>Neraudia sericea</i>	E		
Flowering Plants	No common name	<i>Neraudia angulata</i>	E		
Flowering Plants	No common name	<i>Munroidendron racemosum</i>	E		
Flowering Plants	No common name	<i>Lobelia oahuensis</i>	E		
Flowering Plants	No common name	<i>Geocarpon minimum</i>	T		
Flowering Plants	No common name	<i>Gahnia lanaiensis</i>	E		
Flowering Plants	No common name	<i>Sanicula purpurea</i>	E		
Flowering Plants	nohoanu	<i>Geranium multiflorum</i>	E		
Flowering Plants	oak, Hinckley	<i>Quercus hinckleyi</i>	T		
Flowering Plants	oha	<i>Delissea rivularis</i>	E		
Flowering Plants	oha	<i>Delissea undulata</i>	E		
Flowering Plants	oha	<i>Delissea subcordata</i>	E		
Flowering Plants	oha	<i>Delissea rhytidosperra</i>	E		
Flowering Plants	oha wai	<i>Clermontia drepanomorpha</i>	E		
Flowering Plants	oha wai	<i>Clermontia samuelii</i>	E		
Flowering Plants	oha wai	<i>Clermontia oblongifolia mauiensis</i>	E		
Flowering Plants	oha wai	<i>Clermontia oblongifolia brevipes</i>	E		
Flowering Plants	oha wai	<i>Clermontia lindseyana</i>	E		
Flowering Plants	oha wai	<i>Clermontia pyrularia</i>	E		
Flowering Plants	oha wai	<i>Clermontia peleana</i>	E		
Flowering Plants	ohai	<i>Sesbania tomentosa</i>	E		
Flowering Plants	oh'e'oh'e	<i>Tetraplasandra gymnocarpa</i>	E		
Flowering Plants	olulu	<i>Brighamia insignis</i>	E		
Flowering Plants	onion, Munz's	<i>Allium munzii</i>	E		
Flowering Plants	opuhe	<i>Urera kaalae</i>	E		
Flowering Plants	orchid, eastern prairie fringed	<i>Platanthera leucophaea</i>	T		
Flowering Plants	orchid, western prairie fringed	<i>Platanthera praeclara</i>	T		
Flowering Plants	orcutt grass, Greene's	<i>Tuctoria greenei</i>	E		
Flowering Plants	orcutt grass, hairy	<i>Orcuttia pilosa</i>	E		

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Flowering Plants	orcutt grass, Sacramento	Orcuttia viscida	E		
Flowering Plants	orcutt grass, San Joaquin	Orcuttia inaequalis	T		
Flowering Plants	orcutt grass, slender	Orcuttia tenuis	T		
Flowering Plants	owl's-clover, fleshy	Castilleja campestris succulenta	T		
Flowering Plants	oxytheca, cushenbury	Oxytheca parishii goodmaniana	E		
Flowering Plants	paintbrush, ash-grey	Castilleja cinerea	T		
Flowering Plants	paintbrush, golden	Castilleja levisecta	T		
Flowering Plants	paintbrush, soft-leaved	Castilleja mollis	E		
Flowering Plants	paintbrush, Tiburon	Castilleja affinis neglecta	E		
Flowering Plants	palo colorado	Ternstroemia luquillensis	E		
Flowering Plants	palo de jazmin	Styrax portoricensis	E		
Flowering Plants	palo de nigua	Cornutia obovata	E		
Flowering Plants	palo de ramon	Banara vanderbiltii	E		
Flowering Plants	palo de rosa	Ottoschulzia rhodoxylon	E		
Flowering Plants	pamakani	Tetramolopium capillare	E		
Flowering Plants	pamakani	Viola chamissoniana chamissoniana	E		
Flowering Plants	panicgrass, Carter's	Panicum fauriei carteri	E		
Flowering Plants	pau'ala, (=alulu)	Brighamia rockii	E		
Flowering Plants	pawpaw, beautiful	Deeringothamnus pulchellus	E		
Flowering Plants	pawpaw, four-petal	Asimina tetramera	E		
Flowering Plants	pawpaw, Ruge's	Deeringothamnus rugelii	E		
Flowering Plants	pelos del diablo	Aristida portoricensis	E		
Flowering Plants	penny-cress, Kneeland Prairie	Thlaspi californicum	E		
Flowering Plants	pennyroyal, Todsens	Hedeoma todsenii	E		
Flowering Plants	penstemon, blowout	Penstemon haydenii	E		
Flowering Plants	pentachaeta, Lyon's	Pentachaeta lyonii	E		
Flowering Plants	pentachaeta, white-rayed	Pentachaeta bellidiflora	E		
Flowering Plants	peperomia, Wheeler's	Peperomia wheeleri	E		
Flowering Plants	phacelia, clay	Phacelia argillacea	E		
Flowering Plants	phacelia, island	Phacelia insularis insularis	E		
Flowering Plants	phacelia, North Park	Phacelia formosula	E		
Flowering Plants	phlox, Texas trailing	Phlox nivalis texensis	E		
Flowering Plants	phlox, Yreka	Phlox hirsuta	E		
Flowering Plants	pigeon wings	Clitoria fragrans	T		
Flowering Plants	pilo	Hedyotis mannii	E		
Flowering Plants	pink, swamp	Helonias bullata	T		
Flowering Plants	pinkroot, gentian	Spigelia gentianoides	E		
Flowering Plants	piperia, Yadon's	Piperia yadonii	E		
Flowering Plants	pitaya, Davis' green	Echinocereus viridiflorus davisii	E		
Flowering Plants	pitcher-plant, Alabama canebrake	Sarracenia rubra alabamensis	E		

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Flowering Plants	pitcher-plant, green	Sarracenia oreophila	E		
Flowering Plants	pitcher-plant, mountain sweet	Sarracenia rubra jonesii	E		
Flowering Plants	plum, scrub	Prunus geniculata	E		
Flowering Plants	po'e	Portulaca sclerocarpa	E		
Flowering Plants	pogonia, small whorled	Isotria medeoloides	T		
Flowering Plants	polygala, Lewton's	Polygala lewtonii	E		
Flowering Plants	polygala, tiny	Polygala smallii	E		
Flowering Plants	pondberry	Lindera melissifolia	E		
Flowering Plants	pondweed, Little Aguja Creek	Potamogeton clystocarpus	E		
Flowering Plants	popcornflower, rough	Plagiobothrys hirtus	E		
Flowering Plants	popolo 'aiakeakua	Solanum sandwicense	E		
Flowering Plants	popolo ku mai	Solanum incompletum	E		
Flowering Plants	poppy, Sacramento prickly	Argemone pleiacantha pinnatisecta	E		
Flowering Plants	poppy-mallow, Texas	Callirhoe scabruscula	E		
Flowering Plants	potato-bean, Price's	Apios priceana	T		
Flowering Plants	potentilla, Hickman's	Potentilla hickmanii	E		
Flowering Plants	prairie-clover, leafy	Dalea foliosa	E		
Flowering Plants	prickly-apple, fragrant	Cereus eriophorus fragrans	E		
Flowering Plants	prickly-ash, St. Thomas	Zanthoxylum thomasianum	E		
Flowering Plants	primrose, Maguire	Primula maguirei	T		
Flowering Plants	pussypaws, Mariposa	Calyptridium pulchellum	T		
Flowering Plants	pu'uka'a	Cyperus trachysanthos	E		
Flowering Plants	rattleweed, hairy	Baptisia arachnifera	E		
Flowering Plants	reed-mustard, Barneby	Schoenocrambe barnebyi	E		
Flowering Plants	reed-mustard, clay	Schoenocrambe argillacea	T		
Flowering Plants	remya, Maui	Remya mauiensis	E		
Flowering Plants	rhododendron, Chapman	Rhododendron chapmanii	E		
Flowering Plants	ridge-cress, Barneby	Lepidium barnebyanum	E		
Flowering Plants	rock-cress, Braun's	Arabis perstellata	E		
Flowering Plants	rock-cress, Hoffmann's	Arabis hoffmannii	E		
Flowering Plants	rock-cress, McDonald's	Arabis mcdonaldiana	E		
Flowering Plants	rock-cress, shale barren	Arabis serotina	E		
Flowering Plants	rockcress, Santa Cruz Island	Sibara filifolia	E		
Flowering Plants	rosemary, Apalachicola	Conradina glabra	E		
Flowering Plants	rosemary, Cumberland	Conradina verticillata	T		
Flowering Plants	rosemary, Etonia	Conradina etonia	E		
Flowering Plants	rosemary, short-leaved	Conradina brevifolia	E		
Flowering Plants	roseroot, Leedy's	Sedum integrifolium leedyi	T		
Flowering Plants	rush-pea, slender	Hoffmannseggia tenella	E		
Flowering Plants	rush-rose, island	Helianthemum greenei	T		

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Flowering Plants	sand-verbena, large-fruited	Abronia macrocarpa	E		
Flowering Plants	sandalwood, Lanai or 'iliahi	Santalum freycinetianum lanaiense	E		
Flowering Plants	sandbur, agrimony or Kamanomano	Cenchrus agrimonioides	E		
Flowering Plants	sandlace	Polygonella myriophylla	E		
Flowering Plants	sandwort, Bear Valley	Arenaria ursina	T		
Flowering Plants	sandwort, Cumberland	Arenaria cumberlandensis	E		
Flowering Plants	sandwort, Marsh	Arenaria paludicola	E		
Flowering Plants	schiedea, Diamond Head	Schiedea adamantis	E		
Flowering Plants	seablite, California	Suaeda californica	E		
Flowering Plants	seagrass, Johnson's	Halophila johnsonii	T		
Flowering Plants	sedge, Navajo	Carex specuicola	T		
Flowering Plants	sedge, white	Carex albida	E		
Flowering Plants	silversword, Haleakala	Argyroxiphium sandwicense macrocephalum	T		
Flowering Plants	silversword, Mauna Kea	Argyroxiphium sandwicense sandwicense	E		
Flowering Plants	silversword, Mauna Loa	Argyroxiphium kauense	E		
Flowering Plants	skullcap, Florida	Scutellaria floridana	T		
Flowering Plants	skullcap, large-flowered	Scutellaria montana	E		
Flowering Plants	snakeroot	Eryngium cuneifolium	E		
Flowering Plants	sneezeweed, Virginia	Helenium virginicum	T		
Flowering Plants	snowbells, Texas	Styrax texanus	E		
Flowering Plants	spineflower, Ben Lomond	Chorizanthe pungens hartwegiana	E		
Flowering Plants	spineflower, Howell's	Chorizanthe howellii	E		
Flowering Plants	spineflower, Monterey	Chorizanthe pungens pungens	T		
Flowering Plants	spineflower, Orcutt's	Chorizanthe orcuttiana	E		
Flowering Plants	spineflower, Robust	Chorizanthe robusta	E		
Flowering Plants	spineflower, slender-horned	Dodecahema leptoceras	E		
Flowering Plants	spineflower, Sonoma	Chorizanthe valida	E		
Flowering Plants	spiraea, Virginia	Spiraea virginiana	T		
Flowering Plants	spurge, deltoid	Chamaesyce deltoidea deltoidea	E		
Flowering Plants	spurge, Garber's	Chamaesyce garberi	T		
Flowering Plants	spurge, Hoover's	Chamaesyce hooveri	T		
Flowering Plants	spurge, telephus	Euphorbia telephioides	T		
Flowering Plants	stonecrop, Lake County	Parvisedum leiocarpum	E		
Flowering Plants	sumac, Michaux's	Rhus michauxii	E		
Flowering Plants	sunburst, Hartweg's golden	Pseudobahia bahiifolia	E		
Flowering Plants	sunburst, San Joaquin adobe	Pseudobahia peirsonii	T		
Flowering Plants	sunflower, Eggert's	Helianthus eggertii	T		
Flowering Plants	sunflower, Pecos	Helianthus paradoxus	T		
Flowering Plants	sunflower, San Mateo woolly	Eriophyllum latilobum	E		
Flowering Plants	sunflower, Schweinitz's	Helianthus schweinitzii	E		

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Flowering Plants	sunray, Ash Meadows	Enceliopsis nudicaulis corrugata	T		
Flowering Plants	sunshine, Sonoma	Blennosperma bakeri	E		
Flowering Plants	taraxacum, California	Taraxacum californicum	E		
Flowering Plants	tarplant, Gaviota	Hemizonia increscens villosa	E		
Flowering Plants	tarplant, Otay	Hemizonia conjugens	T		
Flowering Plants	tarplant, Santa Cruz	Holocarpha macradenia	T		
Flowering Plants	thelypody, Howell's spectacular	Thelypodium howellii spectabilis	T		
Flowering Plants	thistle, Chorro Creek bog	Cirsium fontinale obispoense	E		
Flowering Plants	thistle, fountain	Cirsium fontinale fontinale	E		
Flowering Plants	thistle, La Graciosa	Cirsium loncholepis	E		
Flowering Plants	thistle, Loch Lomond coyote	Eryngium constancei	E		
Flowering Plants	thistle, Pitcher's	Cirsium pitcheri	T		
Flowering Plants	thistle, Sacramento Mountains	Cirsium vinaceum	T		
Flowering Plants	thistle, Suisun	Cirsium hydrophilum hydrophilum	E		
Flowering Plants	thornmint, San Diego	Acanthomintha ilicifolia	T		
Flowering Plants	thornmint, San Mateo	Acanthomintha obovata duttonii	E		
Flowering Plants	townsendia, Last Chance	Townsendia aprica	T		
Flowering Plants	trillium, persistent	Trillium persistens	E		
Flowering Plants	trillium, relict	Trillium reliquum	E		
Flowering Plants	twinpod, Dudley Bluffs	Physaria obcordata	T		
Flowering Plants	uhiuhi	Caesalpinia kawaiense	E		
Flowering Plants	uvillo	Eugenia haematocarpa	E		
Flowering Plants	vervain, Red Hills	Verbena californica	T		
Flowering Plants	vetch, Hawaiian	Vicia menziesii	E		
Flowering Plants	wallflower, Ben Lomond	Erysimum teretifolium	E		
Flowering Plants	wallflower, Contra Costa	Erysimum capitatum angustatum	E		
Flowering Plants	wallflower, Menzies'	Erysimum menziesii	E		
Flowering Plants	walnut, West Indian or nogal	Juglans jamaicensis	E		
Flowering Plants	warea, wide-leaf	Warea amplexifolia	E		
Flowering Plants	water-plantain, Kral's	Sagittaria secundifolia	T		
Flowering Plants	water-umbel, Huachuca	Lilaeopsis schaffneriana recurva	E		
Flowering Plants	water-willow, Cooley's	Justicia cooleyi	E		
Flowering Plants	watercress, Gambel's	Rorippa gambellii	E		
Flowering Plants	whitlow-wort, papery	Paronychia chartacea	T		
Flowering Plants	wild-buckwheat, clay-loving	Eriogonum pelinophilum	E		
Flowering Plants	wild-buckwheat, gypsum	Eriogonum gypsophilum	T		
Flowering Plants	wild-buckwheat, southern mountain	Eriogonum kennedyi austromontanum	T		
Flowering Plants	wild-rice, Texas	Zizania texana	E		
Flowering Plants	wire-lettuce, Malheur	Stephanomeria malheurensis	E		
Flowering Plants	wireweed	Polygonella basiramia	E		



Federal Listed Endangered and Threatened Wildlife and Plants

As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	woodland-star, San Clemente Island	Lithophragma maximum	E		
Flowering Plants	woolly-star, Hoover's	Eriastrum hooveri	T		
Flowering Plants	woolly-star, Santa Ana River	Eriastrum densifolium sanctorum	E		
Flowering Plants	wooly-threads, San Joaquin	Lembertia congdonii	E		
Flowering Plants	yerba santa, Lompoc	Eriodictyon capitatum	E		
Flowering Plants	ziziphus, Florida	Ziziphus celata	E		
Conifers and Cycads	cypress, Gowen	Cupressus goveniana goveniana	T		
Conifers and Cycads	cypress, Santa Cruz	Cupressus abramsiana	E		
Conifers and Cycads	Torreya, Florida	Torreya taxifolia	E		
Ferns and Allies	diellia, asplenium-leaved	Diellia erecta	E		
Ferns and Allies	fern, Alabama streak-sorus	Thelypteris pilosa alabamensis	T		
Ferns and Allies	fern, Aleutian shield	Polystichum aleuticum	E		
Ferns and Allies	fern, American hart's-tongue	Asplenium scolopendrium americanum	T		
Ferns and Allies	fern, Elfin tree	Cyathea dryopteroides	E		
Ferns and Allies	fern, pendant kihi	Adenophorus periens	E		
Ferns and Allies	ihii	Marsilea villosa	E		
Ferns and Allies	No common name	Asplenium fragile insulare	E		
Ferns and Allies	No common name	Diellia falcata	E		
Ferns and Allies	No common name	Diellia pallida	E		
Ferns and Allies	No common name	Thelypteris yaucoensis	E		
Ferns and Allies	No common name	Thelypteris verecunda	E		
Ferns and Allies	No common name	Thelypteris inabonensis	E		
Ferns and Allies	No common name	Tectaria estremerana	E		
Ferns and Allies	No common name	Polystichum calderonense	E		
Ferns and Allies	No common name	Elaphoglossum serpens	E		
Ferns and Allies	No common name	Diellia unisora	E		
Ferns and Allies	No common name	Adiantum vivesii	E		
Ferns and Allies	No common name	Diplazium molokaiense	E		
Ferns and Allies	No common name	Pteris lidgatei	E		
Ferns and Allies	pauoa	Ctenitis squamigera	E		
Ferns and Allies	quillwort, black spored	Isoetes melanospora	E		
Ferns and Allies	quillwort, Louisiana	Isoetes louisianensis	E		
Ferns and Allies	quillwort, mat-forming	Isoetes tegetiformans	E		
Ferns and Allies	wawae'iole	Huperzia mannii	E		
Ferns and Allies	wawae'iole, (=ha'iwale)	Phlegmariurus nutans	E		
Lichens	cladonia, Florida perforate	Cladonia perforata	E		
Lichens	lichen, rock gnome	Gymnoderma lineare	E		

Bureau of Land Management - FY2000 Endangered and Threatened Species Expenditures  
As of Fiscal Year 2000 (September 30, 2000)

A running total of expenditures for each column is below each heading.  
If you have any questions, contact Eric Lawton at 202-452-7760.

Group	Invited Common Name	Scientific Name	Listing Status	General Costs	Land Costs	Total Costs
				\$8,887,300	\$2,111,000	\$10,998,300
Mammals	bat, Indiana	<i>Myotis sodalis</i>	E	1,400		1,400
Mammals	bat, lesser long-nosed	<i>Leptonycteris curasoae yerbabuenae</i>	E	37,000		37,000
Mammals	bat, Mexican long-nosed	<i>Leptonycteris nivalis</i>	E	10,000		10,000
Mammals	bear, grizzly	<i>Ursus arctos horribilis</i>	T	19,000		19,000
Mammals	deer, Columbian white-tailed	<i>Odocoileus virginianus leucurus</i>	E	30,000		30,000
Mammals	ferret, black-footed	<i>Mustela nigripes</i>	E	400,000		400,000
Mammals	jaguar	<i>Panthera onca</i>	E	5,000		5,000
Mammals	kangaroo rat, giant	<i>Dipodomys ingens</i>	E	50,000		50,000
Mammals	lynx, Canada	<i>Lynx canadensis</i>	T	266,400		266,400
Mammals	manatee, West Indian	<i>Trichechus manatus</i>	E	1,000		1,000
Mammals	mouse, Preble's meadow jumping	<i>Zapus hudsonius preblei</i>	T	7,000		7,000
Mammals	ocelot	<i>Leopardus pardalis</i>	E	1,000		1,000
Mammals	prairie dog, Utah	<i>Cynomys parvidens</i>	T	80,000		80,000
Mammals	pronghorn, Sonoran	<i>Antilocapra americana sonoriensis</i>	E	39,000		39,000
Mammals	vole, Hualapai Mexican	<i>Microtus mexicanus hualpaiensis</i>	E	8,000		8,000
Mammals	wolf, gray	<i>Canis lupus</i>	E, T	13,000		13,000
Birds	condor, California	<i>Gymnogyps californianus</i>	E	15,000		15,000
Birds	crane, whooping	<i>Grus americana</i>	E	2,000		2,000
Birds	eagle, bald	<i>Haliaeetus leucocephalus</i>	T	213,700		213,700
Birds	elder, spectacled	<i>Somateria fischeri</i>	T	55,000		55,000
Birds	elder, Steller's	<i>Polysticta stelleri</i>	T	35,000		35,000
Birds	falcon, northern aplomado	<i>Falco femoralis septentrionalis</i>	E	173,000		173,000
Birds	flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	E	483,000		483,000
Birds	jay, Florida scrub	<i>Aphelocoma coerulescens</i>	T	6,000		6,000
Birds	murrelet, marbled	<i>Brachyramphus marmoratus marmoratus</i>	T	498,000		498,000
Birds	owl, Mexican spotted	<i>Strix occidentalis lucida</i>	T	93,000		93,000
Birds	owl, northern spotted	<i>Strix occidentalis caurina</i>	T	401,000		401,000
Birds	plover, piping	<i>Charadrius melodus</i>	E, T	9,700		9,700
Birds	plover, Western snowy	<i>Charadrius alexandrinus nivosus</i>	T	248,000		248,000
Birds	pygmy-owl, cactus ferruginous	<i>Glaucidium brasilianum cactorum</i>	E	60,000		60,000
Birds	rail, Yuma clapper	<i>Rallus longirostris yumanensis</i>	E	6,000		6,000
Birds	tern, least	<i>Sterna antillarum</i>	E	4,000		4,000
Birds	towhee, Inyo California	<i>Pipilo crissalis eremophilus</i>	T	10,000		10,000
Reptiles	lizard, blunt-nosed leopard	<i>Gambelia silus</i>	E	20,000		20,000
Reptiles	lizard, Coachella Valley fringe-toed	<i>Uma inornata</i>	T	10,000		10,000
Reptiles	rattlesnake, New Mexican ridge-nosed	<i>Crotalus willardi obscurus</i>	T	1,000		1,000
Reptiles	tortoise, desert	<i>Gopherus agassizii</i>	T	1,137,000		1,137,000
Amphibians	frog, California red-legged	<i>Rana aurora draytonii</i>	T	1,000		1,000
Amphibians	toad, Wyoming	<i>Bufo hemiophrys baxteri</i>	E	1,000		1,000
Fishes	chub, Borax Lake	<i>Gila boraxobius</i>	E	34,000		34,000
Fishes	chub, humpback	<i>Gila cypha</i>	E	5,500		5,500
Fishes	chub, Oregon	<i>Oregonichthys crameri</i>	E	1,000		1,000
Fishes	chub, Owens tui	<i>Gila bicolor snyderi</i>	E	1,000		1,000
Fishes	chub, Pahranaagat roundtail	<i>Gila robusta jordani</i>	E	5,000		5,000

Bureau of Land Management - FY2000 Endangered and Threatened Species Expenditures  
As of Fiscal Year 2000 (September 30, 2000)

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Fishes	chub, Virgin River	<i>Gila robusta seminuda</i>	E	136,000		136,000
Fishes	dace, desert	<i>Eremichthys acros</i>	T	10,000		10,000
Fishes	gambusia, Pecos	<i>Gambusia nobilis</i>	E	2,000		2,000
Fishes	minnow, loach	<i>Tiaroga cobitis</i>	T	20,000		20,000
Fishes	pikeminnow, Colorado	<i>Ptychocheilus lucius</i>	E	17,000		17,000
Fishes	poolfish, Pahrump	<i>Empetrichthys latos</i>	E	1,000		1,000
Fishes	pupfish, desert	<i>Cyprinodon macularius</i>	E	10,000		10,000
Fishes	pupfish, Owens	<i>Cyprinodon radiosus</i>	E	1,000		1,000
Fishes	salmon, chinook (Snake River Fall-run ESU)	<i>Oncorhynchus tshawytscha</i>	T	42,800		42,800
Fishes	salmon, chinook (Snake River Spring/Summer-run ESU)	<i>Oncorhynchus tshawytscha</i>	T	277,700		277,700
Fishes	salmon, chinook (Lower Columbia River ESU)	<i>Oncorhynchus tshawytscha</i>	T	27,800		27,800
Fishes	salmon, chinook (Upper Willamette River ESU)	<i>Oncorhynchus tshawytscha</i>	T	27,700		27,700
Fishes	salmon, chinook (California Coastal ESU)	<i>Oncorhynchus tshawytscha</i>	T	208,000		208,000
Fishes	salmon, chum (Columbia River ESU)	<i>Oncorhynchus keta</i>	T	1,000		1,000
Fishes	salmon, coho (S. Oregon/N. California Coasts ESU)	<i>Oncorhynchus kisutch</i>	T	573,500		573,500
Fishes	salmon, coho (Oregon Coast ESU)	<i>Oncorhynchus kisutch</i>	T	365,500		365,500
Fishes	salmon, sockeye (Snake River ESU)	<i>Oncorhynchus nerka</i>	E	5,000		5,000
Fishes	shiner, Pecos bluntnose	<i>Notropis simus pecosensis</i>	T	12,000		12,000
Fishes	spikedace	<i>Meda fulgida</i>	T	20,000		20,000
Fishes	spinedace, Big Spring	<i>Lepidomeda mollispinis pratensis</i>	T	90,000		90,000
Fishes	spinedace, Little Colorado	<i>Lepidomeda vittata</i>	T	12,000		12,000
Fishes	spinedace, White River	<i>Lepidomeda albivallis</i>	E	3,000		3,000
Fishes	springfish, Hiko White River	<i>Crenichthys baileyi grandis</i>	E	1,000		1,000
Fishes	springfish, Railroad Valley	<i>Crenichthys nevadae</i>	T	5,000		5,000
Fishes	springfish, White River	<i>Crenichthys baileyi baileyi</i>	E	32,000		32,000
Fishes	steelhead (Central California Coast ESU)	<i>Oncorhynchus mykiss</i>	T	208,000		208,000
Fishes	steelhead (Snake River Basin ESU)	<i>Oncorhynchus mykiss</i>	T	331,500	5,000	336,500
Fishes	steelhead (Lower Columbia River ESU)	<i>Oncorhynchus mykiss</i>	T	51,500		51,500
Fishes	steelhead (Upper Willamette River ESU)	<i>Oncorhynchus mykiss</i>	T	51,500		51,500
Fishes	steelhead (Middle Columbia River ESU)	<i>Oncorhynchus mykiss</i>	T	51,500		51,500
Fishes	Sucker, Modoc	<i>Catostomus microps</i>	E	1,000		1,000
Fishes	sucker, razorback	<i>Xyrauchen texanus</i>	E	66,000		66,000
Fishes	sucker, Warner	<i>Catostomus warnerensis</i>	T	144,000		144,000
Fishes	topminnow, Gila	<i>Poeciliopsis occidentalis</i>	E	15,000		15,000
Fishes	trout, bull (Klamath River population)	<i>Salvelinus confluentus</i>	T	24,500		24,500
Fishes	trout, bull (Columbia River population)	<i>Salvelinus confluentus</i>	T	377,000	5,000	382,000
Fishes	trout, greenback cutthroat	<i>Oncorhynchus clarki stomias</i>	T	15,000		15,000
Fishes	trout, Lahontan cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	464,000		464,000
Fishes	woundfin	<i>Plagopterus argentissimus</i>	E	134,000		134,000
Snails	ambersnail, Kanab	<i>Oxyloma haydeni kanabensis</i>	E	8,000		8,000
Snails	limpet, Banbury Springs	<i>Lanx sp.</i>	E	2,000		2,000
Snails	snail, Bliss Rapids	<i>Taylorconcha serpenticola</i>	T	4,500		4,500
Snails	snail, Snake River physa	<i>Physa natricina</i>	E	3,600		3,600
Snails	snail, Utah valvata	<i>Valvata utahensis</i>	E	3,000		3,000
Snails	springsnail, Bruneau Hot	<i>Pyrgulopsis bruneauensis</i>	E	20,000		20,000
Snails	springsnail, Idaho	<i>Fontelicella idahoensis</i>	E	9,000		9,000
Insects	beetle, valley elderberry longhorn	<i>Desmocerus californicus dimorphus</i>	T	1,000		1,000
Insects	butterfly, Fender's blue	<i>Icaricia icarioides fenderi</i>	E	12,000		12,000
Insects	butterfly, Uncompahgre fritillary	<i>Boloria acrocnema</i>	E	10,000		10,000

Source: BLM FY2000 Call for Fish, Wildlife, Botany, and Threatened and Endangered Species Program Data

sp\_2000\_BLM\_view

Bureau of Land Management - FY2000 Endangered and Threatened Species Expenditures  
As of Fiscal Year 2000 (September 30, 2000)

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Insects	moth, Kern primrose sphinx	Euproserpinus euterpe	T	1,000	1,000	2,000
Crustaceans	fairy shrimp, longhorn	Branchinecta longiantenna	E	1,000		1,000
Crustaceans	fairy shrimp, vernal pool	Branchinecta lynchi	T	3,000		3,000
Flowering Plants	bear-poppy, dwarf	Arctomecon humilis	E	60,000		60,000
Flowering Plants	bladderpod, Dudley Bluffs	Lesquerella congesta	T	7,000		7,000
Flowering Plants	bladderpod, kodachrome	Lesquerella tumulosa	E	25,000		25,000
Flowering Plants	blue-star, Kearney's	Amsonia kearneyana	E	1,000		1,000
Flowering Plants	buckwheat, steamboat	Eriogonum ovalifolium williamsiae	E	1,000		1,000
Flowering Plants	cactus, Brady pincushion	Pediocactus bradyi	E	12,000		12,000
Flowering Plants	cactus, Knowlton	Pediocactus knowltonii	E	1,000		1,000
Flowering Plants	cactus, Kuenzler hedgehog	Echinocereus fendleri kuenzleri	E	17,000		17,000
Flowering Plants	cactus, Mesa Verde	Sclerocactus mesae-verdae	T	5,000		5,000
Flowering Plants	cactus, Nichol's Turk's head	Echinocactus horizontalis nicholii	E	1,000		1,000
Flowering Plants	cactus, Peebles Navajo	Pediocactus peeblesianus peeblesianus	E	1,000		1,000
Flowering Plants	cactus, Pima pineapple	Coryphantha scheeri robustispina	E	2,000		2,000
Flowering Plants	cactus, San Rafael	Pediocactus despainii	E	6,000		6,000
Flowering Plants	cactus, Siler pincushion	Pediocactus sileri	T	16,000		16,000
Flowering Plants	cactus, Unita Basin hookless	Sclerocactus glaucus	T	12,000		12,000
Flowering Plants	cactus, Winkler	Pediocactus winkleri	T	15,000		15,000
Flowering Plants	cactus, Wright fishhook	Sclerocactus wrightiae	E	15,000		15,000
Flowering Plants	cliff-rose, Arizona	Purshia subintegra	E	2,000		2,000
Flowering Plants	cress, toad-flax	Schoenocrambe suffrutescens	E	1,000		1,000
Flowering Plants	cyadadenia, Jones	Cycladenia humilis jonesii	T	4,000		4,000
Flowering Plants	daisy, Maguire	Erigeron maguirei	T	3,000		3,000
Flowering Plants	daisy, Willamette	Erigeron decumbens decumbens	E	30,000		30,000
Flowering Plants	fleabane, Zuni	Erigeron rhizomatus	T	2,000		2,000
Flowering Plants	four-o'clock, MacFarlane's	Mirabilis macfarlanei	T	16,000		16,000
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E	2,000		2,000
Flowering Plants	howellia, water	Howellia aquatilis	T	1,000		1,000
Flowering Plants	ladies'-tresses, Ute	Spiranthes diluvialis	T	46,000	2,100,000	2,146,000
Flowering Plants	lily, Western	Lilium occidentale	E	10,000		10,000
Flowering Plants	lomatium, Bradshaw's	Lomatium bradshawii	E	30,000		30,000
Flowering Plants	lupine, Kincaid's	Lupinus sulphureus kincaidii	T	29,000		29,000
Flowering Plants	milk-vetch, Mancos	Astragalus humillimus	E	1,000		1,000
Flowering Plants	milkweed, Welsh's	Asclepias welshii	T	46,000		46,000
Flowering Plants	pawpaw, four-petal	Asimina tetramera	E	1,000		1,000
Flowering Plants	penstemon, blowout	Penstemon haydenii	E	7,000		7,000
Flowering Plants	reed-mustard, Bameby	Schoenocrambe bamebyi	E	2,500		2,500
Flowering Plants	reed-mustard, clay	Schoenocrambe argillacea	T	1,000		1,000
Flowering Plants	rock-cress, McDonald's	Arabis mcdonaldiana	E	25,000		25,000
Flowering Plants	sedge, Navajo	Carex specuicola	T	2,000		2,000
Flowering Plants	sunflower, Pecos	Helianthus paradoxus	T	2,000		2,000
Flowering Plants	thistle, Pitcher's	Cirsium pitcheri	T	500		500
Flowering Plants	townsendia, Last Chance	Townsendia aprica	T	5,000		5,000
Flowering Plants	twinpod, Dudley Bluffs	Physaria obcordata	T	7,000		7,000
Flowering Plants	water-umbel, Huachuca	Lilaeopsis schaffneriana recurva	E	1,000		1,000
Flowering Plants	wire-lettuce, Malheur	Stephanomeria malheurenensis	E	2,000		2,000
Lichens	cladonia, Florida perforate	Cladonia perforata	E	1,000		1,000



# United States Department of the Interior

BUREAU OF RECLAMATION  
Washington, D.C. 20240

IN REPLY REFER TO:

D-5100

FEB 5 2002

*MAY 6 2002  
AES*

## MEMORANDUM

To: Director, U.S. Fish and Wildlife Service

From: John W. Keys, III  
Commissioner *John W. Keys III*

Subject: Report of Expenditures for the Endangered Species Act - Fiscal Year 2000  
(FWS/AES/OPO/004754)

In response to your request of September 17, 2001, the attached information has been compiled on the Bureau of Reclamation's Endangered Species Act expenditures for fiscal year 2000, as required by the Endangered Species Act Amendments of 1988 (Public Law 100 - 478). We understand that this information will be incorporated into your annual report to the Congress on expenditures made by agencies on behalf of threatened and endangered species.

This information was compiled from figures submitted by our regional and area office staff. In accordance with the U.S. Fish and Wildlife Service's instructions, these figures are primarily expenditures for Reclamation's conservation activities (development and implementation of recovery plans). However, we have also combined these expenditures with those associated with consultation where they could be identified. As requested, we have made arrangements to provide your staff an electronic copy of the information.

For further clarification regarding this information, please contact Theresa Taylor, Office of Policy, at (303) 445-2806.

### Attachment

cc: Ms. Martha Balis Larsen, Program Specialist  
Division of Endangered Species  
U.S. Fish and Wildlife Service  
4401 North Fairfax Drive, Room 420  
Arlington, Virginia 22203

**Fully Listed Endangered and Threatened Wildlife and Plants**  
 As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	bat, gray	Myotis grisescens	E	0	0
Mammals	bat, Hawaiian hoary	Lasiurus cinereus semotus	E	0	0
Mammals	bat, Indiana	Myotis sodalis	E	0	0
Mammals	bat, lesser long-nosed	Leptonycteris curasoae yerbabuenae	E	0	0
Mammals	bat, little Mariana fruit	Pteropus tokudae	E	0	0
Mammals	bat, Mariana fruit	Pteropus mariannus mariannus	E	0	0
Mammals	bat, Mexican long-nosed	Leptonycteris nivalis	E	0	0
Mammals	bat, Ozark big-eared	Corynorhinus townsendii ingens	E	0	0
Mammals	bat, Virginia big-eared	Corynorhinus townsendii virginianus	E	0	0
Mammals	bear, grizzly	Ursus arctos horribilis	T	0	0
Mammals	bear, Louisiana black	Ursus americanus luteolus	T	0	0
Mammals	caribou, woodland	Rangifer tarandus caribou	E	0	0
Mammals	deer, Columbian white-tailed	Odocoileus virginianus leucurus	E	0	0
Mammals	deer, Key	Odocoileus virginianus clavium	E	0	0
Mammals	ferret, black-footed	Mustela nigripes	E	0	0
Mammals	fox, San Joaquin kit	Vulpes macrotis mutica	E	275000	16700
Mammals	jaguar	Panthera onca	E	0	0
Mammals	jaguarundi, Gulf Coast	Herpailurus yagouaroundi cacomitli	E	0	0
Mammals	jaguarundi, Sinaloa	Herpailurus yagouaroundi tolteca	E	0	0
Mammals	kangaroo rat, Fresno	Dipodomys nitratoides exilis	E	9750	0
Mammals	kangaroo rat, giant	Dipodomys ingens	E	9750	0
Mammals	kangaroo rat, Morro Bay	Dipodomys heermanni morroensis	E	0	0
Mammals	kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E	0	0
Mammals	kangaroo rat, Stephens'	Dipodomys stephensi	E	0	0
Mammals	kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E	9750	16700
Mammals	lynx, Canada	Lynx canadensis	T	0	0
Mammals	manatee, West Indian	Trichechus manatus	E	0	0
Mammals	mountain beaver, Point Arena	Aplodontia rufa nigra	E	0	0
Mammals	Mouse, Alabama beach	Peromyscus polionotus ammobates	E	0	0
Mammals	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E	0	0
Mammals	Mouse, Choctawhatchee beach	Peromyscus polionotus allophrys	E	0	0
Mammals	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E	0	0
Mammals	mouse, Pacific pocket	Perognathus longimembris pacificus	E	0	0

**Fully Listed Endangered and Threatened Wildlife and Plants**  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	Mouse, Perdido Key beach	Peromyscus polionotus trissyllepsis	E	0	0
Mammals	mouse, Preble's meadow jumping	Zapus hudsonius preblei	T	0	0
<b>Mammals</b>	<b>mouse, salt marsh harvest</b>	<b>Reithrodontomys raviventris</b>	<b>E</b>	<b>1000</b>	<b>0</b>
Mammals	Mouse, southeastern beach	Peromyscus polionotus niveiventris	T	0	0
Mammals	mouse, St. Andrew beach	Peromyscus polionotus peninsularis	E	0	0
Mammals	ocelot	Leopardus pardalis	E	0	0
Mammals	otter, southern sea	Enhydra lutris nereis	T	0	0
Mammals	panther, Florida	Puma concolor coryi	E	0	0
Mammals	prairie dog, Utah	Cynomys parvidens	T	0	0
Mammals	pronghorn, Sonoran	Antilocapra americana sonoriensis	E	0	0
Mammals	puma, eastern	Puma concolor cougar	E	0	0
Mammals	rabbit, Lower Keys marsh	Sylvilagus palustris hefneri	E	0	0
<b>Mammals</b>	<b>rabbit, riparian brush</b>	<b>Sylvilagus bachmani riparius</b>	<b>E</b>	<b>518963</b>	<b>0</b>
Mammals	rice rat	Oryzomys palustris natator	E	0	0
Mammals	sea-lion, Steller	Eumetopias jubatus	E, T	0	0
Mammals	seal, Caribbean monk	Monachus tropicalis	E	0	0
Mammals	seal, Guadalupe fur	Arctocephalus townsendi	T	0	0
Mammals	seal, Hawaiian monk	Monachus schauinslandi	E	0	0
Mammals	sheep, bighorn	Ovis canadensis	E	0	0
Mammals	sheep, bighorn	Ovis canadensis californiana	E	0	0
Mammals	shrew, Dismal Swamp southeastern	Sorex longirostris fisheri	DP	0	0
Mammals	squirrel, Carolina northern flying	Glaucomys sabrinus coloratus	E	0	0
Mammals	squirrel, Delmarva Peninsula fox	Sciurus niger cinereus	E	0	0
Mammals	squirrel, Mount Graham red	Tamiasciurus hudsonicus grahamens	E	0	0
Mammals	squirrel, northern Idaho ground	Spermophilus brunneus brunneus	T	0	0
Mammals	squirrel, Virginia northern flying	Glaucomys sabrinus fuscus	E	0	0
Mammals	vole, Amargosa	Microtus californicus scirpensis	E	0	0
Mammals	vole, Florida salt marsh	Microtus pennsylvanicus dukecampb	E	0	0
Mammals	vole, Hualapai Mexican	Microtus mexicanus hualpaiensis	E	0	0
Mammals	whale, blue	Balaenoptera musculus	E	0	0
Mammals	whale, bowhead	Balaena mysticetus	E	0	0
Mammals	whale, finback	Balaenoptera physalus	E	0	0
Mammals	whale, humpback	Megaptera novaeangliae	E	0	0
Mammals	whale, right	Balaena glacialis	E	0	0
Mammals	whale, Sei	Balaenoptera borealis	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	whale, sperm	Physeter catodon	E	0	0
Mammals	wolf, gray	Canis lupus	E, T	0	0
Mammals	wolf, red	Canis rufus	E	0	0
Mammals	woodrat, Key Largo	Neotoma floridana smalli	E	0	0
Mammals	woodrat, riparian	Neotoma fuscipes riparia	E	50000	0
Birds	akepa, Hawaii	Loxops coccineus coccineus	E	0	0
Birds	akepa, Maui	Loxops coccineus ochraceus	E	0	0
Birds	akialoa, Kauai	Hemignathus procerus	E	0	0
Birds	akiapola`au	Hemignathus munroi	E	0	0
Birds	Albatross, short-tailed	Phoebastria albatrus	E	0	0
Birds	blackbird, yellow-shouldered	Agelaius xanthomus	E	0	0
Birds	bobwhite, masked	Colinus virginianus ridgwayi	E	0	0
Birds	broadbill, Guam	Myiagra freycineti	E	0	0
Birds	cahow	Pterodroma cahow	E	0	0
Birds	caracara, Audubon's crested	Polyborus plancus audubonii	T	0	0
Birds	condor, California	Gymnogyps californianus	E	0	0
Birds	coot, Hawaiian	Fulica americana alai	E	0	0
Birds	crane, Mississippi sandhill	Grus canadensis pulla	E	0	0
Birds	crane, whooping	Grus americana	E	1139000	0
Birds	creeper, Hawaii	Oreomystis mana	E	0	0
Birds	creeper, Molokai	Paroreomyza flammea	E	0	0
Birds	creeper, Oahu	Paroreomyza maculata	E	0	0
Birds	crow, Hawaiian	Corvus hawaiiensis	E	0	0
Birds	crow, Mariana	Corvus kubaryi	E	0	0
Birds	crow, white-necked	Corvus leucognaphalus	E	0	0
Birds	curlew, Eskimo	Numenius borealis	E	0	0
Birds	duck, Hawaiian	Anas wyvilliana	E	0	0
Birds	duck, Laysan	Anas laysanensis	E	0	0
Birds	eagle, bald	Haliaeetus leucocephalus	T	128000	0
Birds	eider, spectacled	Somateria fischeri	T	0	0
Birds	eider, Steller's	Polysticta stelleri	T	0	0
Birds	elepaio, Oahu	Chasiempis sandwichensis ibidus	E	0	0
Birds	falcon, northern aplomado	Falco femoralis septentrionalis	E	0	0
Birds	finch, Laysan	Telespyza cantans	E	0	0
Birds	finch, Nihoa	Telespyza ultima	E	0	0



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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	flycatcher, southwestern willow	Empidonax traillii extimus	E	3428064	0
Birds	gnatcatcher, coastal California	Polioptila californica californica	T	0	0
Birds	goose, Hawaiian	Branta sandvicensis	E	0	0
Birds	hawk, Hawaiian	Buteo solitarius	E	0	0
Birds	hawk, Puerto Rican broad-winged	Buteo platypterus brunnescens	E	0	0
Birds	hawk, Puerto Rican sharp-shinned	Accipiter striatus venator	E	0	0
Birds	honeycreeper, crested	Palmeria dolei	E	0	0
Birds	jay, Florida scrub	Aphelocoma coerulescens	T	0	0
Birds	kingfisher, Guam Micronesian	Halcyon cinnamomina cinnamomina	E	0	0
Birds	kite, Everglade snail	Rostrhamus sociabilis plumbeus	E	0	0
Birds	mallard, Mariana	Anas oustaleti	E	0	0
Birds	megapode, Micronesian	Megapodius laperouse	E	0	0
Birds	millerbird, Nihoa	Acrocephalus familiaris kingi	E	0	0
Birds	monarch, Tinian	Monarcha takatsukasae	T	0	0
Birds	moorhen, Hawaiian common	Gallinula chloropus sandvicensis	E	0	0
Birds	moorhen, Mariana common	Gallinula chloropus guami	E	0	0
Birds	murrelet, marbled	Brachyramphus marmoratus marmoratus	T	0	0
Birds	nightjar, Puerto Rican	Caprimulgus noctitherus	E	0	0
Birds	nukupu'u	Hemignathus lucidus	E	0	0
Birds	ʻoʻo, Kauai	Moho braccatus	E	0	0
Birds	ʻoʻu	Psittirostra psittacea	E	0	0
Birds	owl, Mexican spotted	Strix occidentalis lucida	T	0	0
Birds	owl, northern spotted	Strix occidentalis caurina	T	0	0
Birds	palila	Loxioides bailleui	E	0	0
Birds	parrot, Puerto Rican	Amazona vittata	E	0	0
Birds	parrotbill, Maui	Pseudonestor xanthophrys	E	0	0
Birds	pelican, brown	Pelecanus occidentalis	E	0	0
Birds	petrel, Hawaiian dark-rumped	Pterodroma phaeopygia sandwichensis	E	0	0
Birds	pigeon, Puerto Rican plain	Columba inornata wetmorei	E	0	0
Birds	<b>Plover, piping</b>	<b>Charadrius melodus</b>	<b>E, T</b>	<b>1142000</b>	<b>0</b>
Birds	plover, western snowy	Charadrius alexandrinus nivosus	T	0	0
Birds	poʻouli	Melamprosops phaeosoma	E	0	0
Birds	prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E	0	0
Birds	pygmy-owl, cactus ferruginous	Glaucidium brasilianum cactorum	E	0	0
Birds	rail, California clapper	Rallus longirostris obsoletus	E	1000	0

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Birds	rail, Guam	Rallus owstoni	E	0	0
Birds	rail, light-footed clapper	Rallus longirostris levipes	E	0	0
<b>Birds</b>	<b>rail, Yuma clapper</b>	<b>Rallus longirostris yumanensis</b>	<b>E</b>	<b>110000</b>	<b>0</b>
Birds	shearwater, Newell's Townsend's	Puffinus auricularis newelli	T	0	0
Birds	shrike, San Clemente loggerhead	Lanius ludovicianus mearnsi	E	0	0
Birds	sparrow, Cape Sable seaside	Ammodramus maritimus mirabilis	E	0	0
Birds	sparrow, Florida grasshopper	Ammodramus savannarum floridanu	E	0	0
Birds	sparrow, San Clemente sage	Amphispiza belli clementeae	T	0	0
Birds	stilt, Hawaiian	Himantopus mexicanus knudseni	E	0	0
Birds	stork, wood	Mycteria americana	E	0	0
Birds	swiftlet, Mariana gray	Aerodramus vanikorensis bartschi	E	0	0
Birds	tern, California least	Sterna antillarum browni	E	0	0
<b>Birds</b>	<b>tern, least</b>	<b>Sterna antillarum</b>	<b>E</b>	<b>1151000</b>	<b>0</b>
Birds	tern, roseate	Sterna dougallii dougallii	E, T	0	0
Birds	thrush, large Kauai	Myadestes myadestinus	E	0	0
Birds	thrush, Molokai	Myadestes lanaiensis rutha	E	0	0
Birds	thrush, small Kauai	Myadestes palmeri	E	0	0
Birds	towhee, Inyo California	Pipilo crissalis eremophilus	T	0	0
Birds	vireo, black-capped	Vireo atricapillus	E	0	0
Birds	vireo, least Bell's	Vireo bellii pusillus	E	0	0
Birds	warbler, Bachman's	Vermivora bachmanii	E	0	0
Birds	warbler, golden-cheeked	Dendroica chrysoparia	E	0	0
Birds	warbler, Kirtland's	Dendroica kirtlandii	E	0	0
Birds	warbler, nightingale reed	Acrocephalus luscini	E	0	0
Birds	white-eye, bridled	Zosterops conspicillatus conspicillatu	E	0	0
Birds	woodpecker, ivory-billed	Campephilus principalis	E	0	0
Birds	woodpecker, red-cockaded	Picoides borealis	E	0	0
Reptiles	anole, Culebra Island giant	Anolis roosevelti	E	0	0
Reptiles	boa, Mona	Epicrates monensis monensis	T	0	0
Reptiles	boa, Puerto Rican	Epicrates inornatus	E	0	0
Reptiles	boa, Virgin Islands tree	Epicrates monensis granti	E	0	0
Reptiles	crocodile, American	Crocodylus acutus	E	0	0
Reptiles	gecko, Monito	Sphaerodactylus micropithecus	E	0	0
Reptiles	iguana, Mona ground	Cyclura stejnegeri	T	0	0
<b>Reptiles</b>	<b>lizard, blunt-nosed leopard</b>	<b>Gambelia silus</b>	<b>E</b>	<b>9750</b>	<b>16700</b>

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Reptiles	lizard, Coachella Valley fringe-toed	Uma inornata	T	0	0
Reptiles	lizard, Island night	Xantusia riversiana	T	0	0
Reptiles	lizard, St. Croix ground	Ameiva polops	E	0	0
Reptiles	rattlesnake, New Mexican ridge-nosed	Crotalus willardi obscurus	T	0	0
Reptiles	sea turtle, green	Chelonia mydas	E, T	0	0
Reptiles	sea turtle, hawksbill	Eretmochelys imbricata	E	0	0
Reptiles	sea turtle, Kemp's ridley	Lepidochelys kempii	E	0	0
Reptiles	sea turtle, leatherback	Dermochelys coriacea	E	0	0
Reptiles	sea turtle, loggerhead	Caretta caretta	T	0	0
Reptiles	sea turtle, olive ridley	Lepidochelys olivacea	E, T	0	0
Reptiles	skink, bluetail mole	Eumeces egregius lividus	T	0	0
Reptiles	skink, sand	Neoseps reynoldsi	T	0	0
Reptiles	snake, Atlantic salt marsh	Nerodia clarkii taeniata	T	0	0
Reptiles	snake, Concho water	Nerodia paucimaculata	T	0	0
Reptiles	snake, copperbelly water	Nerodia erythrogaster neglecta	T	0	0
Reptiles	snake, eastern indigo	Drymarchon corais couperi	T	0	0
Reptiles	snake, giant garter	Thamnophis gigas	T	12000	460000
Reptiles	snake, Lake Erie water	Nerodia sipedon insularum	T	0	0
Reptiles	snake, San Francisco garter	Thamnophis sirtalis tetrataenia	E	0	0
Reptiles	tortoise, desert	Gopherus agassizii	T	45000	0
Reptiles	tortoise, gopher	Gopherus polyphemus	T	0	0
Reptiles	turtle, Alabama red-belly	Pseudemys alabamensis	E	0	0
Reptiles	turtle, bog	Clemmys muhlenbergii	T	0	0
Reptiles	turtle, flattened musk	Sternotherus depressus	T	0	0
Reptiles	turtle, Plymouth redbelly	Pseudemys rubriventris bangsi	E	0	0
Reptiles	turtle, ringed map	Graptemys oculifera	T	0	0
Reptiles	turtle, yellow-blotched map	Graptemys flavimaculata	T	0	0
Reptiles	whipsnake, Alameda	Masticophis lateralis euryxanthus	T	0	0
Amphibians	coqui, golden	Eleutherodactylus jasperii	T	0	0
Amphibians	frog, California red-legged	Rana aurora draytonii	T	83205	0
Amphibians	guajon	Eleutherodactylus cooki	T	0	0
Amphibians	salamander, Barton Springs	Eurycea sosorum	E	0	0
Amphibians	salamander, California tiger	Ambystoma californiense	E	0	0
Amphibians	salamander, Cheat Mountain	Plethodon nettingi	T	0	0
Amphibians	salamander, desert slender	Batrachoseps aridus	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Amphibians	salamander, flatwoods	Ambystoma cingulatum	T	0	0
Amphibians	salamander, Red Hills	Phaeognathus hubrichti	T	0	0
Amphibians	salamander, San Marcos	Eurycea nana	T	0	0
Amphibians	salamander, Santa Cruz long-toed	Ambystoma macrodactylum croceum	E	0	0
Amphibians	salamander, Shenandoah	Plethodon shenandoah	E	0	0
Amphibians	salamander, Sonoran tiger	Ambystoma tigrinum stebbinsi	E	0	0
Amphibians	salamander, Texas blind	Typhlomolge rathbuni	E	0	0
Amphibians	toad, arroyo	Bufo microscaphus californicus	E	0	0
Amphibians	toad, Houston	Bufo houstonensis	E	0	0
Amphibians	toad, Puerto Rican crested	Peltophryne lemur	T	0	0
Amphibians	toad, Wyoming	Bufo hemiophrys baxteri	E	0	0
Fishes	catfish, Yaqui	Ictalurus pricei	T	0	0
Fishes	cavefish, Alabama	Speoptatyrhinus poulsoni	E	0	0
Fishes	cavefish, Ozark	Amblyopsis rosae	T	0	0
<b>Fishes</b>	<b>chub, bonytail</b>	<b>Gila elegans</b>	<b>E</b>	<b>778000</b>	<b>0</b>
Fishes	chub, Borax Lake	Gila boraxobius	E	0	0
Fishes	chub, Chihuahua	Gila nigrescens	T	0	0
<b>Fishes</b>	<b>chub, humpback</b>	<b>Gila cypha</b>	<b>E</b>	<b>1439920</b>	<b>0</b>
Fishes	chub, Hutton tui	Gila bicolor ssp.	T	0	0
Fishes	chub, Mohave tui	Gila bicolor mohavensis	E	0	0
Fishes	chub, Oregon	Oregonichthys crameri	E	0	0
Fishes	chub, Owens tui	Gila bicolor snyderi	E	0	0
Fishes	chub, Pahrnagat roundtail	Gila robusta jordani	E	0	0
Fishes	chub, slender	Erimystax cahni	T	0	0
Fishes	chub, Sonora	Gila ditaenia	T	0	0
Fishes	chub, spotfin	Cyprinella monacha	T	0	0
<b>Fishes</b>	<b>chub, Virgin River</b>	<b>Gila robusta seminuda</b>	<b>E</b>	<b>200000</b>	<b>0</b>
Fishes	chub, Yaqui	Gila purpurea	E	0	0
<b>Fishes</b>	<b>cui-ui</b>	<b>Chasmistes cujus</b>	<b>E</b>	<b>681000</b>	<b>0</b>
Fishes	dace, Ash Meadows speckled	Rhinichthys osculus nevadensis	E	0	0
Fishes	dace, blackside	Phoxinus cumberlandensis	T	0	0
Fishes	dace, Clover Valley speckled	Rhinichthys osculus oligoporus	E	0	0
Fishes	dace, desert	Eremichthys acros	T	0	0
Fishes	dace, Foskett speckled	Rhinichthys osculus ssp.	T	0	0
Fishes	dace, Independence Valley speckled	Rhinichthys osculus lethoporus	E	0	0

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Fishes	dace, Kendall Warm Springs	Rhinichthys osculus thermalis	E	0	0
<b>Fishes</b>	<b>dace, Moapa</b>	<b>Moapa coriacea</b>	<b>E</b>	<b>3000</b>	<b>0</b>
Fishes	darler, amber	Percina antesella	E	0	0
Fishes	darler, bayou	Etheostoma rubrum	T	0	0
Fishes	darler, bluemask	Etheostoma sp.	E	0	0
Fishes	darler, boulder	Etheostoma wapiti	E	0	0
Fishes	darler, Cherokee	Etheostoma scotti	T	0	0
Fishes	darler, duskytail	Etheostoma percnum	E	0	0
Fishes	darler, Etowah	Etheostoma etowahae	E	0	0
Fishes	darler, fountain	Etheostoma fonticola	E	0	0
Fishes	darler, goldline	Percina aurolineata	T	0	0
Fishes	darler, leopard	Percina pantherina	T	0	0
Fishes	darler, Maryland	Etheostoma sellare	E	0	0
Fishes	darler, Niangua	Etheostoma nianguae	T	0	0
Fishes	darler, Okaloosa	Etheostoma okaloosae	E	0	0
Fishes	darler, relict	Etheostoma chienense	E	0	0
Fishes	darler, slackwater	Etheostoma boschungii	T	0	0
Fishes	darler, snail	Percina tanasi	T	0	0
Fishes	darler, watercress	Etheostoma nuchale	E	0	0
Fishes	gambusia, Big Bend	Gambusia gaigei	E	0	0
Fishes	gambusia, Clear Creek	Gambusia heterochir	E	0	0
<b>Fishes</b>	<b>gambusia, Pecos</b>	<b>Gambusia nobilis</b>	<b>E</b>	<b>17500</b>	<b>0</b>
Fishes	gambusia, San Marcos	Gambusia georgei	E	0	0
Fishes	goby, tidewater	Eucyclogobius newberryi	E	0	0
Fishes	logperch, Conasauga	Percina jenkinsi	E	0	0
Fishes	logperch, Roanoke	Percina rex	E	0	0
Fishes	madtom, Neosho	Noturus placidus	T	0	0
Fishes	madtom, pygmy	Noturus stanuli	E	0	0
Fishes	madtom, Scioto	Noturus trautmani	E	0	0
Fishes	madtom, smoky	Noturus baileyi	E	0	0
Fishes	madtom, yellowfin	Noturus flavipinnis	T	0	0
Fishes	minnow, Devils River	Dionda diaboli	T	0	0
<b>Fishes</b>	<b>minnow, loach</b>	<b>Tiaroga cobitis</b>	<b>T</b>	<b>521205</b>	<b>0</b>
<b>Fishes</b>	<b>minnow, Rio Grande silvery</b>	<b>Hybognathus amarus</b>	<b>E</b>	<b>5046000</b>	<b>0</b>
<b>Fishes</b>	<b>pikeminnow, Colorado</b>	<b>Ptychocheilus lucius</b>	<b>E</b>	<b>3380684</b>	<b>0</b>

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Fishes	poolfish, Pahump	Empetrichthys latos	E	0	0
Fishes	pupfish, Ash Meadows Amargosa	Cyprinodon nevadensis mionectes	E	0	0
Fishes	pupfish, Comanche Springs	Cyprinodon elegans	E	17500	0
Fishes	pupfish, desert	Cyprinodon macularius	E	2000	0
Fishes	pupfish, Devils Hole	Cyprinodon diabolis	E	0	0
Fishes	pupfish, Leon Springs	Cyprinodon bovinus	E	0	0
Fishes	pupfish, Owens	Cyprinodon radiosus	E	0	0
Fishes	pupfish, Warm Springs	Cyprinodon nevadensis pectoralis	E	0	0
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E, T	11464966	100000
Fishes	salmon, chum	Oncorhynchus keta	T	0	0
Fishes	salmon, coho	Oncorhynchus kisutch	T	2819325	0
Fishes	salmon, sockeye	Oncorhynchus nerka	E, T	11000	0
Fishes	sculpin, pygmy	Cottus pygmaeus	T	0	0
Fishes	shiner, Arkansas River	Notropis girardi	T	45000	0
Fishes	shiner, beautiful	Cyprinella formosa	T	0	0
Fishes	shiner, blue	Cyprinella caerulea	T	0	0
Fishes	shiner, Cahaba	Notropis cahabae	E	0	0
Fishes	shiner, Cape Fear	Notropis mekistocholas	E	0	0
Fishes	shiner, palezone	Notropis albizonatus	E	0	0
Fishes	shiner, Pecos bluntnose	Notropis simus pecosensis	T	510000	0
Fishes	shiner, Topeka	Notropis topeka	E	0	0
Fishes	silverside, Waccamaw	Menidia extensa	T	0	0
Fishes	smelt, delta	Hypomesus transpacificus	T	3436000	0
Fishes	spikedace	Meda fulgida	T	521205	0
Fishes	spinedace, Big Spring	Lepidomeda mollispinis pratensis	T	0	0
Fishes	spinedace, Little Colorado	Lepidomeda vittata	T	0	0
Fishes	spinedace, White River	Lepidomeda albivallis	E	0	0
Fishes	splittail, Sacramento	Pogonichthys macrolepidotus	T	118000	0
Fishes	springfish, Hiko White River	Crenichthys baileyi grandis	E	0	0
Fishes	springfish, Railroad Valley	Crenichthys nevadae	T	0	0
Fishes	springfish, White River	Crenichthys baileyi baileyi	E	0	0
Fishes	steelhead	Oncorhynchus mykiss	E, T	8894833	1469000
Fishes	stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E	0	0
Fishes	sturgeon, Alabama	Scaphirhynchus suttkusi	E	0	0
Fishes	sturgeon, Gulf	Acipenser oxyrinchus desotoi	T	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Fishes	sturgeon, pallid	Scaphirhynchus albus	E	275500	0
Fishes	sturgeon, shortnose	Acipenser brevirostrum	E	0	0
Fishes	sturgeon, white	Acipenser transmontanus	E	0	0
Fishes	sucker, June	Chasmistes liorus	E	26700	0
Fishes	sucker, Lost River	Deltistes luxatus	E	0	0
Fishes	Sucker, Modoc	Catostomus microps	E	0	0
Fishes	sucker, razorback	Xyrauchen texanus	E	4796185	332900
Fishes	sucker, Santa Ana	Catostomus santaanae	T	0	0
Fishes	Sucker, shortnose	Chasmistes brevirostris	E	0	0
Fishes	sucker, Warner	Catostomus warnerensis	T	0	0
Fishes	topminnow, Gila	Poeciliopsis occidentalis	E	521205	0
Fishes	trout, Apache	Oncorhynchus apache	T	0	0
Fishes	trout, bull	Salvelinus confluentus	T	1606500	160000
Fishes	trout, Gila	Oncorhynchus gilae	E	0	0
Fishes	trout, coastal cutthroat	Oncorhynchus clarki clarki	DR	0	0
Fishes	trout, greenback cutthroat	Oncorhynchus clarki stomias	T	0	0
Fishes	trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T	787000	0
Fishes	trout, Little Kern golden	Oncorhynchus aguabonita whitei	T	0	0
Fishes	trout, Paiute cutthroat	Oncorhynchus clarki seleniris	T	0	0
Fishes	woundfin	Plagopterus argentissimus	E	200000	0
Clams	acornshell, southern	Epioblasma othcaloogensis	E	0	0
Clams	bankclimber, purple	Elliptoideus sloatianus	T	0	0
Clams	bean, Cumberland	Villosa trabalis	E	0	0
Clams	bean, purple	Villosa perpurpurea	E	0	0
Clams	blossom, green	Epioblasma torulosa gubernaculum	E	0	0
Clams	blossom, tubercled	Epioblasma torulosa torulosa	E	0	0
Clams	blossom, turgid	Epioblasma turgidula	E	0	0
Clams	blossom, yellow	Epioblasma florentina florentina	E	0	0
Clams	catspaw	Epioblasma obliquata obliquata	E	0	0
Clams	catspaw, white	Epioblasma obliquata perobliqua	E	0	0
Clams	clubshell	Pleurobema clava	E	0	0
Clams	clubshell, black	Pleurobema curtum	E	0	0
Clams	clubshell, ovate	Pleurobema perovatum	E	0	0
Clams	clubshell, southern	Pleurobema decisum	E	0	0
Clams	combshell, Cumberlandian	Epioblasma brevidens	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Clams	combshell, southern	Epioblasma penita	E	0	0
Clams	combshell, upland	Epioblasma metastriata	E	0	0
Clams	elktoe, Appalachian	Alasmidonta raveneliana	E	0	0
Clams	elktoe, Cumberland	Alasmidonta atropurpurea	E	0	0
Clams	fanshell	Cyprogenia stegaria	E	0	0
Clams	fatmucket, Arkansas	Lampsilis powelli	T	0	0
Clams	heelsplitter, Alabama	Potamilus inflatus	T	0	0
Clams	heelsplitter, Carolina	Lasmigona decorata	E	0	0
Clams	higgins eye	Lampsilis higginsii	E	0	0
Clams	kidneyshell, triangular	Ptychobranthus greeni	E	0	0
Clams	lampmussel, Alabama	Lampsilis virescens	E	0	0
Clams	lilliput, pale	Toxolasma cylindrellus	E	0	0
Clams	mapleleaf, winged	Quadrula fragosa	E	0	0
Clams	moccasinshell, Alabama	Medionidus acutissimus	T	0	0
Clams	moccasinshell, Coosa	Medionidus parvulus	E	0	0
Clams	moccasinshell, Gulf	Medionidus penicillatus	E	0	0
Clams	moccasinshell, Ochlockonee	Medionidus simpsonianus	E	0	0
Clams	monkeyface, Appalachian	Quadrula sparsa	E	0	0
Clams	monkeyface, Cumberland	Quadrula intermedia	E	0	0
Clams	mucket, orangenacre	Lampsilis perovalis	T	0	0
Clams	mucket, pink	Lampsilis abrupta	E	0	0
Clams	mussel, oyster	Epioblasma capsaeformis	E	0	0
Clams	pearlshell, Louisiana	Margaritifera hembeli	T	0	0
Clams	pearlymussel, birdwing	Conradilla caelata	E	0	0
Clams	pearlymussel, cracking	Hemistena lata	E	0	0
Clams	pearlymussel, Curtis	Epioblasma florentina curtisii	E	0	0
Clams	pearlymussel, dromedary	Dromus dromas	E	0	0
Clams	pearlymussel, littlewing	Pegias fabula	E	0	0
Clams	pearlymussel, white wartyback	Plethobasus cicatricosus	E	0	0
Clams	pigtoe, Cumberland	Pleurobema gibberum	E	0	0
Clams	pigtoe, dark	Pleurobema furvum	E	0	0
Clams	pigtoe, finerayed	Fusconaia cuneolus	E	0	0
Clams	pigtoe, flat	Pleurobema marshalli	E	0	0
Clams	pigtoe, heavy	Pleurobema taitianum	E	0	0
Clams	pigtoe, oval	Pleurobema pyriforme	E	0	0



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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Clams	pigtoe, rough	Pleurobema plenum	E	0	0
Clams	pigtoe, shiny	Fusconaia cor	E	0	0
Clams	pigtoe, southern	Pleurobema georgianum	E	0	0
Clams	pimpleback, orangefoot	Plethobasus cooperianus	E	0	0
Clams	pocketbook, fat	Potamilus capax	E	0	0
Clams	pocketbook, finelined	Lampsilis altilis	T	0	0
Clams	pocketbook, Ouachita rock	Arkansia wheeleri	E	0	0
Clams	pocketbook, shinyrayed	Lampsilis subangulata	E	0	0
Clams	pocketbook, speckled	Lampsilis streckeri	E	0	0
Clams	rabbitsfoot, rough	Quadrula cylindrica strigillata	E	0	0
Clams	riffleshell, northern	Epioblasma torulosa rangiana	E	0	0
Clams	riffleshell, tan	Epioblasma florentina walkeri	E	0	0
Clams	ring pink	Obovaria retusa	E	0	0
Clams	slabshell, Chipola	Elliptio chipolaensis	T	0	0
Clams	spiny mussel, James	Pleurobema collina	E	0	0
Clams	spiny mussel, Tar River	Elliptio steinstansana	E	0	0
Clams	stirrupshell	Quadrula stapes	E	0	0
Clams	three-ridge, fat	Amblema neislerii	E	0	0
Clams	wedgemussel, dwarf	Alasmidonta heterodon	E	0	0
<b>Snails</b>	<b>ambersnail, Kanab</b>	<b>Oxyloma haydeni kanabensis</b>	<b>E</b>	<b>5000</b>	<b>0</b>
Snails	campeloma, slender	Campeloma decampi	E	0	0
Snails	elimia, lacy	Elimia crenatella	T	0	0
Snails	limpet, Banbury Springs	Lanx sp.	E	0	0
Snails	lioplax, cylindrical	Lioplax cyclostomaformis	E	0	0
Snails	marstonia, royal	Pyrgulopsis ogmorhappe	E	0	0
Snails	pebblesnail, flat	Lepyrium showalteri	E	0	0
Snails	riversnail, Anthony's	Athearnia anthonyi	E	0	0
Snails	rocksnail, painted	Leptoxis taeniata	T	0	0
Snails	rocksnail, plicate	Leptoxis plicata	E	0	0
Snails	rocksnail, round	Leptoxis ampla	T	0	0
Snails	shagreen, Magazine Mountain	Mesodon magazinensis	T	0	0
Snails	snail, armored	Pyrgulopsis pachyta	E	0	0
Snails	snail, Bliss Rapids	Taylorconcha serpenticola	T	0	0
Snails	snail, Chittenango ovate amber	Succinea chittenangoensis	T	0	0
Snails	snail, flat-spined three-toothed	Triodopsis platysayoides	T	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Snails	snail, Iowa Pleistocene	<i>Discus macclintocki</i>	E	0	0
Snails	snail, Morro shoulderband	<i>Helminthoglypta walkeriana</i>	E	0	0
Snails	snail, Newcomb's	<i>Erinna newcombi</i>	T	0	0
Snails	snail, noonday	<i>Mesodon clarki nantahala</i>	T	0	0
Snails	snail, painted snake coiled forest	<i>Anguispira picta</i>	T	0	0
Snails	snail, Snake River physa	<i>Physa natricina</i>	E	0	0
Snails	snail, Stock Island tree	<i>Orthalicus reses</i>	T	0	0
Snails	snail, tulotoma	<i>Tulotoma magnifica</i>	E	0	0
Snails	snail, Utah valvata	<i>Valvata utahensis</i>	E	144000	0
Snails	snail, Virginia fringed mountain	<i>Polygyriscus virginianus</i>	E	0	0
Snails	snails, Oahu tree	<i>Achatinella spp.</i>	E	0	0
Snails	springsnail, Alamosa	<i>Tryonia alamosae</i>	E	0	0
Snails	springsnail, Bruneau Hot	<i>Pyrgulopsis bruneauensis</i>	E	0	0
Snails	springsnail, Idaho	<i>Fontelicella idahoensis</i>	E	0	0
Snails	springsnail, Socorro	<i>Pyrgulopsis neomexicana</i>	E	0	0
Insects	beetle, American burying	<i>Nicrophorus americanus</i>	E	0	0
Insects	beetle, Coffin Cave mold	<i>Batrisodes texanus</i>	E	0	0
Insects	beetle, Comal Springs dryopid	<i>Stygoparnus comalensis</i>	E	0	0
Insects	beetle, Comal Springs riffle	<i>Heterelmis comalensis</i>	E	0	0
Insects	beetle, delta green ground	<i>Elaphrus viridis</i>	T	0	0
Insects	beetle, Hungerford's crawling water	<i>Brychius hungerfordi</i>	E	0	0
Insects	beetle, Kretschmarr Cave mold	<i>Texamaurops reddelli</i>	E	0	0
Insects	beetle, Mount Hermon June	<i>Polyphylla barbata</i>	E	0	0
Insects	beetle, Tooth Cave ground	<i>Rhadine persephone</i>	E	0	0
Insects	beetle, valley elderberry longhorn	<i>Desmocerus californicus dimorphus</i>	T	0	100000
Insects	butterfly, bay checkerspot	<i>Euphydryas editha bayensis</i>	T	0	0
Insects	butterfly, Behren's silverspot	<i>Speyeria zerene behrensii</i>	E	0	0
Insects	butterfly, callippe silverspot	<i>Speyeria callippe callippe</i>	E	0	0
Insects	butterfly, El Segundo blue	<i>Euphilotes battoides allyni</i>	E	0	0
Insects	butterfly, Fender's blue	<i>Icaricia icarioides fenderi</i>	E	0	0
Insects	butterfly, Karner blue	<i>Lycaeides melissa samuelis</i>	E	0	0
Insects	butterfly, Lange's metalmark	<i>Apodemia mormo langei</i>	E	0	0
Insects	butterfly, lotis blue	<i>Lycaeides argyrognomon lotis</i>	E	0	0
Insects	butterfly, mission blue	<i>Icaricia icarioides missionensis</i>	E	0	0
Insects	butterfly, Mitchell's satyr	<i>Neonympha mitchellii mitchellii</i>	E	0	0

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Insects	butterfly, Myrtle's silverspot	Speyeria zerene myrtleae	E	0	0
Insects	butterfly, Oregon silverspot	Speyeria zerene hippolyta	T	0	0
Insects	butterfly, Palos Verdes blue	Glaucopsyche lygdamus palosverdes	E	0	0
Insects	butterfly, Quino checkerspot	Euphydryas editha quino	E	0	0
Insects	butterfly, Saint Francis' satyr	Neonympha mitchellii francisci	E	0	0
Insects	butterfly, San Bruno elfin	Callophrys mossii bayensis	E	0	0
Insects	butterfly, Schaus swallowtail	Heraclides aristodemus ponceanus	E	0	0
Insects	butterfly, Smith's blue	Euphilotes enoptes smithi	E	0	0
Insects	butterfly, Uncompahgre fritillary	Boloria acrocneuma	E	0	0
Insects	dragonfly, Hine's emerald	Somatochlora hineana	E	0	0
Insects	fly, Delhi Sands flower-loving	Rhaphiomidas terminatus abdominalis	E	0	0
Insects	grasshopper, Zayante band-winged	Trimerotropis infantilis	E	0	0
Insects	moth, Blackburn's sphinx	Manduca blackburni	E	0	0
Insects	moth, Kern primrose sphinx	Euproserpinus euterpe	T	0	0
Insects	naucorid, Ash Meadows	Ambrysus amargosus	T	0	0
Insects	skipper, Laguna Mountains	Pyrgus ruralis lagunae	E	0	0
Insects	skipper, Pawnee montane	Hesperia leonardus montana	T	0	0
Insects	tiger beetle, northeastern beach	Cicindela dorsalis dorsalis	T	0	0
Insects	tiger beetle, Puritan	Cicindela puritana	T	0	0
Arachnids	harvestman, Bee Creek Cave	Texella reddelli	E	0	0
Arachnids	harvestman, Bone Cave	Texella reyesi	E	0	0
Arachnids	pseudoscorpion, Tooth Cave	Tartarocreagris texana	E	0	0
Arachnids	spider, Kauai cave wolf or pe'e pe'e maka	Adelocosa anops	E	0	0
Arachnids	spider, spruce-fir moss	Microhexura montivaga	E	0	0
Arachnids	spider, Tooth Cave	Neoleptoneta myopica	E	0	0
Crustaceans	amphipod, Hay's Spring	Stygobromus hayi	E	0	0
Crustaceans	amphipod, Illinois cave	Gammarus acherondytes	E	0	0
Crustaceans	amphipod, Kauai cave	Spelaeorchestia koloana	E	0	0
Crustaceans	amphipod, Peck's cave	Stygobromus pecki	E	0	0
Crustaceans	crayfish, cave	Cambarus zophonastes	E	0	0
Crustaceans	crayfish, cave	Cambarus aculabrum	E	0	0
Crustaceans	crayfish, Nashville	Orconectes shoupi	E	0	0
Crustaceans	crayfish, Shasta	Pacifastacus fortis	E	0	0
Crustaceans	fairy shrimp, Conservancy	Branchinecta conservatio	E	0	0
Crustaceans	fairy shrimp, longhorn	Branchinecta longiantenna	E	0	0

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Crustaceans	fairy shrimp, Riverside	Streptocephalus woottoni	E	0	0
Crustaceans	fairy shrimp, San Diego	Branchinecta sandiegonensis	E	0	0
<b>Crustaceans</b>	<b>fairy shrimp, vernal pool</b>	<b>Branchinecta lynchi</b>	<b>T</b>	<b>17500</b>	<b>737500</b>
Crustaceans	isopod, Lee County cave	Lirceus usdagalun	E	0	0
Crustaceans	isopod, Madison Cave	Antrolana lira	T	0	0
Crustaceans	isopod, Socorro	Thermosphaeroma thermophilus	E	0	0
Crustaceans	shrimp, Alabama cave	Palaemonias alabamae	E	0	0
Crustaceans	shrimp, California freshwater	Syncaris pacifica	E	0	0
Crustaceans	shrimp, Kentucky cave	Palaemonias ganteri	E	0	0
Crustaceans	shrimp, Squirrel Chimney Cave	Palaemonetes cummingi	T	0	0
<b>Crustaceans</b>	<b>tadpole shrimp, vernal pool</b>	<b>Lepidurus packardi</b>	<b>E</b>	<b>17500</b>	<b>783500</b>
Flowering Plants	a'e	Zanthoxylum hawaiiense	E	0	0
Flowering Plants	a'e	Zanthoxylum dipetalum tomentosum	E	0	0
Flowering Plants	agave, Arizona	Agave arizonica	E	0	0
Flowering Plants	ai'a	Nothocestrum breviflorum	E	0	0
Flowering Plants	ai'a	Nothocestrum peltatum	E	0	0
Flowering Plants	akoko	Euphorbia haeleleana	E	0	0
Flowering Plants	akoko	Chamaesyce rockii	E	0	0
Flowering Plants	akoko	Chamaesyce herbstii	E	0	0
Flowering Plants	akoko	Chamaesyce kuwaleana	E	0	0
Flowering Plants	akoko	Chamaesyce celastroides kaenana	E	0	0
Flowering Plants	akoko	Chamaesyce halemanui	E	0	0
Flowering Plants	akoko	Chamaesyce deppeana	E	0	0
Flowering Plants	akoko, Ewa Plains	Chamaesyce skottsbergii kalaeloana	E	0	0
Flowering Plants	alani	Melicope saint-johnii	E	0	0
Flowering Plants	alani	Melicope ovalis	E	0	0
Flowering Plants	alani	Melicope adscendens	E	0	0
Flowering Plants	alani	Melicope zahlbruckneri	E	0	0
Flowering Plants	alani	Melicope reflexa	E	0	0
Flowering Plants	alani	Melicope quadrangularis	E	0	0
Flowering Plants	alani	Melicope pallida	E	0	0
Flowering Plants	alani	Melicope munroi	E	0	0
Flowering Plants	alani	Melicope balloui	E	0	0
Flowering Plants	alani	Melicope knudsenii	E	0	0
Flowering Plants	alani	Melicope lydgatei	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	alani	Melicope mucronulata	E	0	0
Flowering Plants	alani	Melicope haupeusis	E	0	0
Flowering Plants	allocarya, Calistoga	Plagiobothrys strictus	E	0	0
Flowering Plants	alopecurus, Sonoma	Alopecurus aequalis sonomensis	E	0	0
Flowering Plants	amaranth, seabeach	Amaranthus pumilus	T	0	0
Flowering Plants	ambrosia, south Texas	Ambrosia cheiranthifolia	E	0	0
Flowering Plants	amole, purple	Chlorogalum purpureum	T	0	0
Flowering Plants	amphianthus, little	Amphianthus pusillus	T	0	0
Flowering Plants	`anaunau	Lepidium arbuscula	E	0	0
Flowering Plants	`anunu	Sicyos alba	E	0	0
Flowering Plants	arrowhead, bunched	Sagittaria fasciculata	E	0	0
Flowering Plants	aster, decurrent false	Boltonia decurrens	T	0	0
Flowering Plants	aster, Florida golden	Chrysopsis floridana	E	0	0
Flowering Plants	aster, Ruth's golden	Pityopsis ruthii	E	0	0
Flowering Plants	aupaka	Isodendron laurifolium	E	0	0
Flowering Plants	aupaka	Isodendron longifolium	T	0	0
Flowering Plants	aupaka	Isodendron hosakae	E	0	0
Flowering Plants	avens, spreading	Geum radiatum	E	0	0
Flowering Plants	`awikiwiki	Canavalia molokaiensis	E	0	0
Flowering Plants	awiwi	Hedyotis cookiana	E	0	0
Flowering Plants	awiwi	Centaurium sebaeoides	E	0	0
Flowering Plants	ayenia, Texas	Ayenia limitaris	E	0	0
Flowering Plants	Baccharis, Encinitas	Baccharis vanessae	T	0	0
Flowering Plants	barberry, island	Berberis pinnata insularis	E	0	0
Flowering Plants	barberry, Nevin's	Berberis nevinii	E	0	0
Flowering Plants	barberry, Truckee	Berberis sonnei	E	0	0
Flowering Plants	bariaco	Trichilia triacantha	E	0	0
Flowering Plants	beaked-rush, Knieskern's	Rhynchospora knieskernii	T	0	0
Flowering Plants	bear-poppy, dwarf	Arctomecon humilis	E	0	0
Flowering Plants	beardtongue, Penland	Penstemon penlandii	E	0	0
Flowering Plants	beargrass, Britton's	Nolina brittoniana	E	0	0
Flowering Plants	beauty, Harper's	Harperocallis flava	E	0	0
Flowering Plants	bedstraw, El Dorado	Galium californicum sierrae	E	0	187500
Flowering Plants	bedstraw, island	Galium buxifolium	E	0	0
Flowering Plants	bellflower, Brooksville	Campanula robinsiae	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	birch, Virginia round-leaf	Betula uber	T	0	0
Flowering Plants	bird's beak, palmate-bracted	Cordylanthus palmatus	E	0	0
Flowering Plants	bird's-beak, Pennell's	Cordylanthus tenuis capillaris	E	0	0
Flowering Plants	bird's-beak, salt marsh	Cordylanthus maritimus maritimus	E	0	0
Flowering Plants	bird's-beak, soft	Cordylanthus mollis mollis	E	1000	0
Flowering Plants	birds-in-a-nest, white	Macbridea alba	T	0	0
Flowering Plants	bittercress, small-anthered	Cardamine micranthera	E	0	0
Flowering Plants	bladderpod, Dudley Bluffs	Lesquerella congesta	T	0	0
Flowering Plants	bladderpod, kodachrome	Lesquerella tumulosa	E	0	0
Flowering Plants	bladderpod, lyrate	Lesquerella lyrata	T	0	0
Flowering Plants	bladderpod, Missouri	Lesquerella filiformis	E	0	0
Flowering Plants	bladderpod, San Bernardino Mountains	Lesquerella kingii bernardina	E	0	0
Flowering Plants	bladderpod, Spring Creek	Lesquerella perforata	E	0	0
Flowering Plants	bladderpod, white	Lesquerella pallida	E	0	0
Flowering Plants	bladderpod, Zapata	Lesquerella thamnophila	E	0	0
Flowering Plants	blazingstar, Ash Meadows	Mentzelia leucophylla	T	0	0
Flowering Plants	blazingstar, Heller's	Liatris helleri	T	0	0
Flowering Plants	blazingstar, scrub	Liatris ohlingeriae	E	0	0
Flowering Plants	blue-star, Kearney's	Amsonia kearneyana	E	0	0
Flowering Plants	bluecurls, Hidden Lake	Trichostema austromontanum compa	T	0	0
Flowering Plants	bluegrass, Hawaiian	Poa sandvicensis	E	0	0
Flowering Plants	bluegrass, Mann's	Poa mannii	E	0	0
Flowering Plants	bluegrass, Napa	Poa napensis	E	0	0
Flowering Plants	bluegrass, San Bernardino	Poa atropurpurea	E	0	0
Flowering Plants	bluet, Roan Mountain	Hedyotis purpurea montana	E	0	0
Flowering Plants	bonamia, Florida	Bonamia grandiflora	T	0	0
Flowering Plants	boxwood, Vahl's	Buxus vahlii	E	0	0
Flowering Plants	brodiaea, Chinese Camp	Brodiaea pallida	T	0	0
Flowering Plants	brodiaea, thread-leaved	Brodiaea filifolia	T	0	0
Flowering Plants	broom, San Clemente Island	Lotus dendroideus traskiae	E	0	0
Flowering Plants	buckwheat, cushenbury	Eriogonum ovalifolium vineum	E	0	0
Flowering Plants	buckwheat, Ione	Eriogonum apricum	E	0	0
Flowering Plants	buckwheat, scrub	Eriogonum longifolium gnaphalifoliu	T	0	0
Flowering Plants	buckwheat, steamboat	Eriogonum ovalifolium williamsiae	E	0	0
Flowering Plants	bulrush, Northeastern	Scirpus ancistrochaetus	E	0	0

Fe .lly Listed Endangered and Threatened Wildlife and Plants  
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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	bush-clover, prairie	Lespedeza leptostachya	T	0	0
Flowering Plants	bush-mallow, San Clemente Island	Malacothamnus clementinus	E	0	0
Flowering Plants	bush-mallow, Santa Cruz Island	Malacothamnus fasciculatus nesiotic	E	0	0
Flowering Plants	buttercup, autumn	Ranunculus acriformis aestivalis	E	0	0
Flowering Plants	butterweed, Layne's	Senecio layneae	T	0	187500
Flowering Plants	butterwort, Godfrey's	Pinguicula ionantha	T	0	0
Flowering Plants	button, Mohr's Barbara	Marshallia mohrii	T	0	0
Flowering Plants	button-celery, San Diego	Eryngium aristulatum parishii	E	0	0
Flowering Plants	cactus, Arizona hedgehog	Echinocereus triglochidiatus arizonie	E	0	0
Flowering Plants	cactus, Bakersfield	Opuntia treleasei	E	0	0
Flowering Plants	cactus, black lace	Echinocereus reichenbachii albertii	E	0	0
Flowering Plants	cactus, Brady pincushion	Pediocactus bradyi	E	0	0
Flowering Plants	cactus, Chisos Mtn. hedgehog	Echinocereus chisoensis chisoensis	T	0	0
Flowering Plants	cactus, Cochise pincushion	Coryphantha robbinsorum	T	0	0
Flowering Plants	cactus, Key tree	Pilosocereus robinii	E	0	0
Flowering Plants	cactus, Knowlton	Pediocactus knowltonii	E	0	0
Flowering Plants	cactus, Kuenzler hedgehog	Echinocereus fendleri kuenzleri	E	0	0
Flowering Plants	cactus, Lee pincushion	Coryphantha sneedii leei	T	0	0
Flowering Plants	cactus, Lloyd's Mariposa	Echinomastus mariposensis	T	0	0
Flowering Plants	cactus, Mesa Verde	Sclerocactus mesae-verdae	T	0	0
Flowering Plants	cactus, Nellie cory	Coryphantha minima	E	0	0
Flowering Plants	cactus, Nichol's Turk's head	Echinocactus horizontalonius nicho	E	0	0
Flowering Plants	cactus, Peebles Navajo	Pediocactus peeblesianus peeblesianu	E	0	0
Flowering Plants	cactus, Pima pineapple	Coryphantha scheeri robustispina	E	0	0
Flowering Plants	cactus, San Rafael	Pediocactus despainii	E	0	0
Flowering Plants	cactus, Siler pincushion	Pediocactus sileri	T	0	0
Flowering Plants	cactus, Sneed pincushion	Coryphantha sneedii sneedii	E	0	0
Flowering Plants	cactus, star	Astrophytum asterias	E	0	0
Flowering Plants	cactus, Tobusch fishhook	Ancistrocactus tobuschii	E	0	0
Flowering Plants	cactus, Unita Basin hookless	Sclerocactus glaucus	T	0	0
Flowering Plants	cactus, Winkler	Pediocactus winkleri	T	0	0
Flowering Plants	cactus, Wright fishhook	Sclerocactus wrightiae	E	0	0
Flowering Plants	campion, fringed	Silene polypetala	E	0	0
Flowering Plants	capa rosa	Callicarpa ampla	E	0	0
Flowering Plants	cat's-eye, Terlingua Creek	Cryptantha crassipes	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	ceanothus, coyote	Ceanothus ferrisae	E	0	0
<b>Flowering Plants</b>	<b>ceanothus, Pine Hill</b>	<b>Ceanothus roderickii</b>	<b>E</b>	<b>0</b>	<b>187500</b>
Flowering Plants	ceanothus, Vail Lake	Ceanothus ophiochilus	T	0	0
Flowering Plants	centaury, spring-loving	Centaurium namophilum	T	0	0
Flowering Plants	chaff-flower, round-leaved	Achyranthes splendens rotundata	E	0	0
Flowering Plants	chaffseed, American	Schwalbea americana	E	0	0
<b>Flowering Plants</b>	<b>Checker-mallow, Keck's</b>	<b>Sidalcea keckii</b>	<b>E</b>	<b>15000</b>	<b>138000</b>
Flowering Plants	checker-mallow, Kenwood Marsh	Sidalcea oregana valida	E	0	0
Flowering Plants	checker-mallow, Nelson's	Sidalcea nelsoniana	T	0	0
Flowering Plants	checker-mallow, pedate	Sidalcea pedata	E	0	0
Flowering Plants	checkermallow, Wenatchee Mountains	Sidalcea oregana calva	E	0	0
Flowering Plants	chupacallos	Pleodendron macranthum	E	0	0
Flowering Plants	cinquefoil, Robbins'	Potentilla robbinsiana	E	0	0
Flowering Plants	clarkia, Pismo	Clarkia speciosa immaculata	E	0	0
Flowering Plants	clarkia, Presidio	Clarkia franciscana	E	0	0
Flowering Plants	clarkia, Springville	Clarkia springvillensis	T	0	0
Flowering Plants	clarkia, Vine Hill	Clarkia imbricata	E	0	0
Flowering Plants	cliff-rose, Arizona	Purshia subintegra	E	0	0
Flowering Plants	clover, Monterey	Trifolium trichocalyx	E	0	0
Flowering Plants	clover, running buffalo	Trifolium stoloniferum	E	0	0
Flowering Plants	clover, showy Indian	Trifolium amoenum	E	0	0
Flowering Plants	cobana negra	Stahlia monosperma	T	0	0
Flowering Plants	coneflower, smooth	Echinacea laevigata	E	0	0
Flowering Plants	coneflower, Tennessee purple	Echinacea tennesseensis	E	0	0
Flowering Plants	cory cactus, bunched	Coryphantha ramillosa	T	0	0
Flowering Plants	cress, toad-flax	Schoenocrambe suffrutescens	E	0	0
Flowering Plants	crownbeard, big-leaved	Verbesina dissita	T	0	0
Flowering Plants	crownscale, San Jacinto Valley	Atriplex coronata notatior	E	0	0
Flowering Plants	cycladenia, Jones	Cycladenia humilis jonesii	T	0	0
Flowering Plants	daisy, lakeside	Hymenoxys herbacea	T	0	0
Flowering Plants	daisy, Maguire	Erigeron maguirei	T	0	0
Flowering Plants	daisy, Parish's	Erigeron parishii	T	0	0
Flowering Plants	daisy, Willamette	Erigeron decumbens decumbens	E	0	0
Flowering Plants	dawn-flower, Texas prairie	Hymenoxys texana	E	0	0
Flowering Plants	dogweed, ashy	Thymophylla tephroleuca	E	0	0



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Flowering Plants	dropwort, Canby's	Oxypolis canbyi	E	0	0
Flowering Plants	dudleya, Conejo	Dudleya abramsii parva	T	0	0
Flowering Plants	dudleya, marcescent	Dudleya cymosa marcescens	T	0	0
Flowering Plants	dudleya, Santa Clara Valley	Dudleya setchellii	E	0	0
Flowering Plants	dudleya, Santa Cruz Island	Dudleya nesiotica	T	0	0
Flowering Plants	dudleya, Verity's	Dudleya verityi	T	0	0
Flowering Plants	dudleyea, Santa Monica Mountains	Dudleya cymosa ovatifolia	T	0	0
Flowering Plants	dwarf-flax, Marin	Hesperolinon congestum	T	0	0
Flowering Plants	erubia	Solanum drymophilum	E	0	0
Flowering Plants	evening-primrose, Antioch Dunes	Oenothera deltoides howellii	E	0	0
Flowering Plants	evening-primrose, Eureka Valley	Oenothera avita eurekaensis	E	0	0
Flowering Plants	evening-primrose, San Benito	Camissonia benitensis	T	0	0
Flowering Plants	fiddleneck, large-flowered	Amsinckia grandiflora	E	0	0
Flowering Plants	flannelbush, Mexican	Fremontodendron mexicanum	E	0	0
Flowering Plants	flannelbush, Pine Hill	Fremontodendron californicum de	E	0	187500
Flowering Plants	fleabane, Zuni	Erigeron rhizomatus	T	0	0
Flowering Plants	four-o'clock, MacFarlane's	Mirabilis macfarlanei	T	0	0
Flowering Plants	frankenian, Johnston's	Frankenia johnstonii	E	0	0
Flowering Plants	fringe-tree, pygmy	Chionanthus pygmaeus	E	0	0
Flowering Plants	fringepod, Santa Cruz Island	Thysanocarpus conchuliferus	E	0	0
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E	0	0
Flowering Plants	gardenia, Hawaiian	Gardenia brighamii	E	0	0
Flowering Plants	geranium, Hawaiian red-flowered	Geranium arboreum	E	0	0
Flowering Plants	gerardia, sandplain	Agalinis acuta	E	0	0
Flowering Plants	gilia, Hoffmann's slender-flowered	Gilia tenuiflora hoffmannii	E	0	0
Flowering Plants	gilia, Monterey	Gilia tenuiflora arenaria	E	0	0
Flowering Plants	goetzea, beautiful	Goetzea elegans	E	0	0
Flowering Plants	goldenrod, Blue Ridge	Solidago spithamaea	T	0	0
Flowering Plants	goldenrod, Houghton's	Solidago houghtonii	T	0	0
Flowering Plants	goldenrod, Short's	Solidago shortii	E	0	0
Flowering Plants	goldenrod, white-haired	Solidago albopilosa	T	0	0
Flowering Plants	goldfields, Burke's	Lasthenia burkei	E	0	0
Flowering Plants	goldfields, Contra Costa	Lasthenia conjugens	E	0	0
Flowering Plants	gooseberry, Miccosukee	Ribes echinellum	T	0	0
Flowering Plants	gourd, Okeechobee	Cucurbita okeechobeensis okeechobe	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	grass, California Orcutt	Orcuttia californica	E	0	0
Flowering Plants	grass, Colusa	Neostapfia colusana	T	0	0
Flowering Plants	grass, Eureka Dune	Swallenia alexandrae	E	0	0
Flowering Plants	grass, Solano	Tuctoria mucronata	E	0	0
Flowering Plants	grass, Tennessee yellow-eyed	Xyris tennesseensis	E	0	0
Flowering Plants	ground-plum, Pyne's	Astragalus bibullatus	E	0	0
Flowering Plants	groundsel, San Francisco Peaks	Senecio franciscanus	T	0	0
Flowering Plants	gumplant, Ash Meadows	Grindelia fraxino-pratensis	T	0	0
Flowering Plants	haha	Cyanea humboldtiana	E	0	0
Flowering Plants	haha	Cyanea crispa	E	0	0
Flowering Plants	haha	Cyanea grimesiana grimesiana	E	0	0
Flowering Plants	haha	Cyanea shipmannii	E	0	0
Flowering Plants	haha	Cyanea superba	E	0	0
Flowering Plants	haha	Cyanea st-johnii	E	0	0
Flowering Plants	haha	Cyanea mceldowneyi	E	0	0
Flowering Plants	haha	Cyanea undulata	E	0	0
Flowering Plants	haha	Cyanea truncata	E	0	0
Flowering Plants	haha	Cyanea recta	T	0	0
Flowering Plants	haha	Cyanea procera	E	0	0
Flowering Plants	haha	Cyanea mannii	E	0	0
Flowering Plants	haha	Cyanea glabra	E	0	0
Flowering Plants	haha	Cyanea dunbarii	E	0	0
Flowering Plants	haha	Cyanea copelandii copelandii	E	0	0
Flowering Plants	haha	Cyanea asarifolia	E	0	0
Flowering Plants	haha	Cyanea hamatiflora hamatiflora	E	0	0
Flowering Plants	haha	Cyanea copelandii haleakalaensis	E	0	0
Flowering Plants	haha	Cyanea longiflora	E	0	0
Flowering Plants	haha	Cyanea koolauensis	E	0	0
Flowering Plants	haha	Cyanea remyi	E	0	0
Flowering Plants	haha	Cyanea acuminata	E	0	0
Flowering Plants	haha	Cyanea macrostegia gibsonii	E	0	0
Flowering Plants	haha	Cyanea lobata	E	0	0
Flowering Plants	haha	Cyanea hamatiflora carlsonii	E	0	0
Flowering Plants	haha	Cyanea grimesiana obatae	E	0	0
Flowering Plants	haha	Cyanea stictophylla	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	haha	Cyanea platyphylla	E	0	0
Flowering Plants	haha	Cyanea pinnatifida	E	0	0
Flowering Plants	ha`iwale	Cyrtandra dentata	E	0	0
Flowering Plants	ha`iwale	Cyrtandra viridiflora	E	0	0
Flowering Plants	ha`iwale	Cyrtandra tintinnabula	E	0	0
Flowering Plants	ha`iwale	Cyrtandra limahuliensis	T	0	0
Flowering Plants	ha`iwale	Cyrtandra giffardii	E	0	0
Flowering Plants	ha`iwale	Cyrtandra munroi	E	0	0
Flowering Plants	ha`iwale	Cyrtandra crenata	E	0	0
Flowering Plants	ha`iwale	Cyrtandra polyantha	E	0	0
Flowering Plants	ha`iwale	Cyrtandra subumbellata	E	0	0
Flowering Plants	hala pepe	Pleomele hawaiiensis	E	0	0
Flowering Plants	harebells, Avon Park	Crotalaria avonensis	E	0	0
Flowering Plants	harperella	Ptilimnium nodosum	E	0	0
Flowering Plants	hau kuahiwi	Hibiscadelphus giffardianus	E	0	0
Flowering Plants	hau kuahiwi	Hibiscadelphus hualalaiensis	E	0	0
Flowering Plants	hau kuahiwi	Hibiscadelphus woodii	E	0	0
Flowering Plants	heartleaf, dwarf-flowered	Hexastylis naniflora	T	0	0
Flowering Plants	heather, mountain golden	Hudsonia montana	T	0	0
Flowering Plants	heau	Exocarpos luteolus	E	0	0
Flowering Plants	hedyotis, Na Pali beach	Hedyotis st.-johnii	E	0	0
Flowering Plants	hibiscus, Clay's	Hibiscus clayi	E	0	0
Flowering Plants	higo, chumbo	Harrisia portoricensis	T	0	0
Flowering Plants	higuero de sierra	Crescentia portoricensis	E	0	0
Flowering Plants	holei	Ochrosia kilaueaensis	E	0	0
Flowering Plants	holly, Cook's	Ilex cookii	E	0	0
Flowering Plants	Honohono	Haplostachys haplostachya	E	0	0
Flowering Plants	howellia, water	Howellia aquatilis	T	0	0
Flowering Plants	hypericum, highlands scrub	Hypericum cumulicola	E	0	0
Flowering Plants	iliau, dwarf	Wilkesia hobdyi	E	0	0
Flowering Plants	indian paintbrush, San Clemente Island	Castilleja grisea	E	0	0
Flowering Plants	ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E	0	0
Flowering Plants	iris, dwarf lake	Iris lacustris	T	0	0
Flowering Plants	irisette, white	Sisyrinchium dichotomum	E	0	0
Flowering Plants	ischaemum, Hilo	Ischaemum byrone	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	ivesia, Ash Meadows	Ivesia kingii eremica	T	0	0
Flowering Plants	jacquemontia, beach	Jacquemontia reclinata	E	0	0
Flowering Plants	jewelflower, California	Caulanthus californicus	E	0	0
Flowering Plants	jewelflower, Metcalf Canyon	Streptanthus albidus albidus	E	0	0
Flowering Plants	jewelflower, Tiburon	Streptanthus niger	E	0	0
Flowering Plants	joint-vetch, sensitive	Aeschynomene virginica	T	0	0
Flowering Plants	kamakahala	Labordia triflora	E	0	0
Flowering Plants	kamakahala	Labordia tinifolia wahiawaensis	E	0	0
Flowering Plants	kamakahala	Labordia tinifolia lanaiensis	E	0	0
Flowering Plants	kamakahala	Labordia lydgatei	E	0	0
Flowering Plants	kamakahala	Labordia cyrtandrae	E	0	0
Flowering Plants	kauai hau kuahiwi	Hibiscadelphus distans	E	0	0
Flowering Plants	kaula	Colubrina oppositifolia	E	0	0
Flowering Plants	kaulu	Pteralyxia kauaiensis	E	0	0
Flowering Plants	kio'ele	Hedyotis coriacea	E	0	0
Flowering Plants	kiponapona	Phyllostegia racemosa	E	0	0
Flowering Plants	kohe malama malama o kanaloa	Kanaloa kahoolawensis	E	0	0
Flowering Plants	koki'o	Kokia drynarioides	E	0	0
Flowering Plants	koki'o ke'oke'o	Hibiscus waimeae hannerae	E	0	0
Flowering Plants	koki'o ke'oke'o	Hibiscus arnottianus immaculatus	E	0	0
Flowering Plants	koki'o, (=Cooke's koki'o)	Kokia cookei	E	0	0
Flowering Plants	koki'o, (=Kauai koki'o)	Kokia kauaiensis	E	0	0
Flowering Plants	kolea	Myrsine linearifolia	T	0	0
Flowering Plants	kolea	Myrsine juddii	E	0	0
Flowering Plants	ko'oko'olau	Bidens micrantha kalealaha	E	0	0
Flowering Plants	ko'oko'olau	Bidens wiebkei	E	0	0
Flowering Plants	ko'oloa'ula	Abutilon menziesii	E	0	0
Flowering Plants	Kopa	Hedyotis schlechtendahliana remyi	E	0	0
Flowering Plants	kuahiwi laukahi	Plantago princeps	E	0	0
Flowering Plants	kuahiwi laukahi	Plantago hawaiiensis	E	0	0
Flowering Plants	kuawawaenuhu	Alsindendron lychnoides	E	0	0
Flowering Plants	kula wahine noho	Isodendron pyrifolium	E	0	0
Flowering Plants	kulu'i	Nototrichium humile	E	0	0
Flowering Plants	ladies'-tresses, Canelo Hills	Spiranthes delitescens	E	0	0
Flowering Plants	ladies'-tresses, Navasota	Spiranthes parksii	E	0	0

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Flowering Plants	ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	6200	0
Flowering Plants	Lagu, Hyan	<i>Serianthes nelsonii</i>	E	0	0
Flowering Plants	larkspur, Baker's	<i>Delphinium bakeri</i>	E	0	0
Flowering Plants	larkspur, San Clemente Island	<i>Delphinium variegatum kinkiense</i>	E	0	0
Flowering Plants	larkspur, yellow	<i>Delphinium luteum</i>	E	0	0
Flowering Plants	lau `ehu	<i>Panicum niihauense</i>	E	0	0
Flowering Plants	lauhilihi, (=Ma`oli`oli)	<i>Schiedea stellarioides</i>	E	0	0
Flowering Plants	layia, beach	<i>Layia carnosa</i>	E	0	0
Flowering Plants	lead-plant, Crenulate	<i>Amorpha crenulata</i>	E	0	0
Flowering Plants	leather flower, Alabama	<i>Clematis socialis</i>	E	0	0
Flowering Plants	leather flower, Morefield's	<i>Clematis morefieldii</i>	E	0	0
Flowering Plants	lessingia, San Francisco	<i>Lessingia germanorum</i>	E	0	0
Flowering Plants	liliwai	<i>Acaena exigua</i>	E	0	0
Flowering Plants	lily, Minnesota dwarf trout	<i>Erythronium propullans</i>	E	0	0
Flowering Plants	lily, Pitkin Marsh	<i>Lilium pardalinum pitkinense</i>	E	0	0
Flowering Plants	lily, Western	<i>Lilium occidentale</i>	E	0	0
Flowering Plants	liveforever, Laguna Beach	<i>Dudleya stolonifera</i>	T	0	0
Flowering Plants	liveforever, Santa Barbara Island	<i>Dudleya traskiae</i>	E	0	0
Flowering Plants	locoweed, Fassett's	<i>Oxytropis campestris chartacea</i>	T	0	0
Flowering Plants	lomatium, Bradshaw's	<i>Lomatium bradshawii</i>	E	0	0
Flowering Plants	loosestrife, rough-leaved	<i>Lysimachia asperulaefolia</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia remota</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia kaalae</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia munroi</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia schattaueri</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia affinis</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia viscosa</i>	E	0	0
Flowering Plants	lo`ulu	<i>Pritchardia napaliensis</i>	E	0	0
Flowering Plants	lo`ulu, (=wahane)	<i>Pritchardia aylmer-robinsonii</i>	E	0	0
Flowering Plants	lousewort, Furbish	<i>Pedicularis furbishiae</i>	E	0	0
Flowering Plants	love grass, Fosberg's	<i>Eragrostis fosbergii</i>	E	0	0
Flowering Plants	lupine, clover	<i>Lupinus tidestromii</i>	E	0	0
Flowering Plants	Lupine, Kincaid's	<i>Lupinus sulphureus kincaidii</i>	T	0	0
Flowering Plants	lupine, Nipomo Mesa	<i>Lupinus nipomensis</i>	E	0	0
Flowering Plants	lupine, scrub	<i>Lupinus aridorum</i>	E	0	0

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Flowering Plants	mahoe	Alectryon macrococcus	E	0	0
Flowering Plants	makou	Peucedanum sandwicense	T	0	0
Flowering Plants	malacothrix, island	Malacothrix squalida	E	0	0
Flowering Plants	Malacothrix, Santa Cruz Island	Malacothrix indecora	E	0	0
Flowering Plants	mallow, Kern	Eremalche kernensis	E	0	0
Flowering Plants	mallow, Peter's Mountain	Iliamna corei	E	0	0
Flowering Plants	manaca, palma de	Calyptromoma rivalis	T	0	0
Flowering Plants	manioc, Walker's	Manihot walkerae	E	0	0
Flowering Plants	manzanita, Del Mar	Arctostaphylos glandulosa crassifolia	E	0	0
Flowering Plants	manzanita, Ione	Arctostaphylos myrtifolia	T	0	0
Flowering Plants	manzanita, Morro	Arctostaphylos morroensis	T	0	0
Flowering Plants	manzanita, pallid	Arctostaphylos pallida	T	0	0
Flowering Plants	Manzanita, Presidio	Arctostaphylos hookeri ravenii	E	0	0
Flowering Plants	manzanita, Santa Rosa Island	Arctostaphylos confertiflora	E	0	0
Flowering Plants	ma' o hau hele, (=native yellow hibiscus)	Hibiscus brackenridgei	E	0	0
Flowering Plants	ma'oli'oli	Schiedea kealiae	E	0	0
Flowering Plants	ma'oli'oli	Schiedea apokremnos	E	0	0
Flowering Plants	mapele	Cyrtandra cyaneoides	E	0	0
Flowering Plants	mariposa lily, Tiburon	Calochortus tiburonensis	T	0	0
Flowering Plants	maua	Xylosma crenatum	E	0	0
Flowering Plants	meadowfoam, Butte County	Limnanthes floccosa californica	E	0	0
Flowering Plants	meadowfoam, Sebastopol	Limnanthes vinculans	E	0	0
Flowering Plants	meadowrue, Cooley's	Thalictrum cooleyi	E	0	0
Flowering Plants	mehamehame	Flueggea neowawraea	E	0	0
Flowering Plants	mesa-mint, Otay	Pogogyne nudiuscula	E	0	0
Flowering Plants	mesa-mint, San Diego	Pogogyne abramsii	E	0	0
Flowering Plants	milk-vetch, Applegate's	Astragalus applegatei	E	0	0
Flowering Plants	milk-vetch, Ash meadows	Astragalus phoenix	T	0	0
Flowering Plants	milk-vetch, Braunton's	Astragalus brauntonii	E	0	0
Flowering Plants	milk-vetch, Clara Hunt's	Astragalus clarianus	E	0	0
Flowering Plants	milk-vetch, Coachella Valley	Astragalus lentiginosus coachellae	E	0	0
Flowering Plants	milk-vetch, coastal dunes	Astragalus tener titi	E	0	0
Flowering Plants	milk-vetch, Cushenbury	Astragalus albens	E	0	0
Flowering Plants	milk-vetch, Deseret	Astragalus desereticus	T	0	0
Flowering Plants	milk-vetch, Fish Slough	Astragalus lentiginosus piscinensis	T	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	milk-vetch, heliotrope	<i>Astragalus montii</i>	T	0	0
Flowering Plants	milk-vetch, Jesup's	<i>Astragalus robbinsii</i> jesupi	E	0	0
Flowering Plants	milk-vetch, Lane Mountain	<i>Astragalus jaegerianus</i>	E	0	0
Flowering Plants	milk-vetch, Mancos	<i>Astragalus humillimus</i>	E	0	0
Flowering Plants	milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	E	0	0
Flowering Plants	milk-vetch, Peirson's	<i>Astragalus magdalenae</i> peirsonii	T	0	0
Flowering Plants	milk-vetch, Sentry	<i>Astragalus cremnophylax</i> cremnophylax	E	0	0
Flowering Plants	milk-vetch, triple-ribbed	<i>Astragalus tricarinatus</i>	E	0	0
Flowering Plants	milkpea, Small's	<i>Galactia smallii</i>	E	0	0
Flowering Plants	milkweed, Mead's	<i>Asclepias meadii</i>	T	0	0
Flowering Plants	milkweed, Welsh's	<i>Asclepias welshii</i>	T	0	0
Flowering Plants	mint, Garrett's	<i>Dicerandra christmanii</i>	E	0	0
Flowering Plants	mint, Lakela's	<i>Dicerandra immaculata</i>	E	0	0
Flowering Plants	mint, longspurred	<i>Dicerandra cornutissima</i>	E	0	0
Flowering Plants	mint, scrub	<i>Dicerandra frutescens</i>	E	0	0
Flowering Plants	monardella, willow	<i>Monardella linoides</i> viminea	E	0	0
Flowering Plants	monkey-flower, Michigan	<i>Mimulus glabratus</i> michiganensis	E	0	0
Flowering Plants	monkshood, northern wild	<i>Aconitum noveboracense</i>	T	0	0
Flowering Plants	morning-glory, Stebbins'	<i>Calystegia stebbinsii</i>	E	0	0
Flowering Plants	mountain balm, Indian Knob	<i>Eriodictyon altissimum</i>	E	0	0
Flowering Plants	mountain-mahogany, Catalina Island	<i>Cercocarpus traskiae</i>	E	0	0
Flowering Plants	mustard, Carter's	<i>Warea carteri</i>	E	0	0
Flowering Plants	mustard, Penland alpine fen	<i>Eutrema penlandii</i>	T	0	0
Flowering Plants	mustard, slender-petaled	<i>Thelypodium stenopetalum</i>	E	0	0
Flowering Plants	na'ena'e	<i>Dubautia latifolia</i>	E	0	0
Flowering Plants	na'ena'e	<i>Dubautia plantaginea</i> humilis	E	0	0
Flowering Plants	na'ena'e	<i>Dubautia pauciflorula</i>	E	0	0
Flowering Plants	na'ena'e	<i>Dubautia herbstobatae</i>	E	0	0
Flowering Plants	nani wai'ale'ale	<i>Viola kauaiensis</i> wahiawaensis	E	0	0
Flowering Plants	nanu	<i>Gardenia mannii</i>	E	0	0
Flowering Plants	naupaka, dwarf	<i>Scaevola coriacea</i>	E	0	0
Flowering Plants	navarretia, few-flowered	<i>Navarretia leucocephala</i> pauciflora	E	0	0
Flowering Plants	navarretia, many-flowered	<i>Navarretia leucocephala</i> plieantha	E	0	0
Flowering Plants	navarretia, spreading	<i>Navarretia fossalis</i>	T	0	0
Flowering Plants	nehe	<i>Lipochaeta fauriei</i>	E	0	0

**F Fully Listed Endangered and Threatened Wildlife and Plants**

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	nehe	Lipochaeta lobata leptophylla	E	0	0
Flowering Plants	nehe	Lipochaeta kamolensis	E	0	0
Flowering Plants	nehe	Lipochaeta waimeaensis	E	0	0
Flowering Plants	nehe	Lipochaeta tenuifolia	E	0	0
Flowering Plants	nehe	Lipochaeta micrantha	E	0	0
Flowering Plants	nehe	Lipochaeta venosa	E	0	0
Flowering Plants	nioi	Eugenia koolauensis	E	0	0
Flowering Plants	niterwort, Amargosa	Nitrophila mohavensis	E	0	0
Flowering Plants	No common name	Achyranthes mutica	E	0	0
Flowering Plants	No common name	Lobelia gaudichaudii koolauensis	E	0	0
Flowering Plants	No common name	Phyllostegia hirsuta	E	0	0
Flowering Plants	No common name	Phyllostegia knudsenii	E	0	0
Flowering Plants	No common name	Neraudia ovata	E	0	0
Flowering Plants	No common name	Amaranthus brownii	E	0	0
Flowering Plants	No common name	Phyllostegia parviflora	E	0	0
Flowering Plants	No common name	Schiedea hookeri	E	0	0
Flowering Plants	No common name	Bonamia menziesii	E	0	0
Flowering Plants	No common name	Alsinidendron trinerve	E	0	0
Flowering Plants	No common name	Alsinidendron obovatum	E	0	0
Flowering Plants	No common name	Abutilon sandwicense	E	0	0
Flowering Plants	No common name	Abutilon eremitopetalum	E	0	0
Flowering Plants	No common name	Schiedea verticillata	E	0	0
Flowering Plants	No common name	Schiedea sarmentosa	E	0	0
Flowering Plants	No common name	Schiedea membranacea	E	0	0
Flowering Plants	No common name	Tetramolopium arenarium	E	0	0
Flowering Plants	No common name	Stenogyne kanehoana	E	0	0
Flowering Plants	No common name	Stenogyne angustifolia angustifolia	E	0	0
Flowering Plants	No common name	Silene lanceolata	E	0	0
Flowering Plants	No common name	Silene alexandri	E	0	0
Flowering Plants	No common name	Schiedea kaalae	E	0	0
Flowering Plants	No common name	Remya kauaiensis	E	0	0
Flowering Plants	No common name	Phyllostegia glabra lanaiensis	E	0	0
Flowering Plants	No common name	Lobelia niihauensis	E	0	0
Flowering Plants	No common name	Hesperomannia lydgatei	E	0	0
Flowering Plants	No common name	Hesperomannia arbuscula	E	0	0



**Fully Listed Endangered and Threatened Wildlife and Plants**

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	<i>Hesperomannia arborescens</i>	E	0	0
Flowering Plants	No common name	<i>Hedyotis parvula</i>	E	0	0
Flowering Plants	No common name	<i>Hedyotis degeneri</i>	E	0	0
Flowering Plants	No common name	<i>Gouania vitifolia</i>	E	0	0
Flowering Plants	No common name	<i>Gouania meyenii</i>	E	0	0
Flowering Plants	No common name	<i>Gouania hillebrandii</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia kaalaensis</i>	E	0	0
Flowering Plants	No common name	<i>Eugenia woodburyana</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia mannii</i>	E	0	0
Flowering Plants	No common name	<i>Ilex sintenisii</i>	E	0	0
Flowering Plants	No common name	<i>Cranichis ricartii</i>	E	0	0
Flowering Plants	No common name	<i>Vernonia proctorii</i>	E	0	0
Flowering Plants	No common name	<i>Trematolobelia singularis</i>	E	0	0
Flowering Plants	No common name	<i>Stenogyne campanulata</i>	E	0	0
Flowering Plants	No common name	<i>Stenogyne bifida</i>	E	0	0
Flowering Plants	No common name	<i>Spermolepis hawaiiensis</i>	E	0	0
Flowering Plants	No common name	<i>Silene perlmanii</i>	E	0	0
Flowering Plants	No common name	<i>Schiedea nuttallii</i>	E	0	0
Flowering Plants	No common name	<i>Schiedea kauaiensis</i>	E	0	0
Flowering Plants	No common name	<i>Sanicula mariversa</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia wawrana</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia warshaueri</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia velutina</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia waimeae</i>	E	0	0
Flowering Plants	No common name	<i>Mariscus fauriei</i>	E	0	0
Flowering Plants	No common name	<i>Lysimachia maxima</i>	E	0	0
Flowering Plants	No common name	<i>Lysimachia lydgatei</i>	E	0	0
Flowering Plants	No common name	<i>Lyonia truncata proctorii</i>	E	0	0
Flowering Plants	No common name	<i>Leptocereus grantianus</i>	E	0	0
Flowering Plants	No common name	<i>Catesbaea melanocarpa</i>	E	0	0
Flowering Plants	No common name	<i>Auerodendron pauciflorum</i>	E	0	0
Flowering Plants	No common name	<i>Aristida chaseae</i>	E	0	0
Flowering Plants	No common name	<i>Remya montgomeryi</i>	E	0	0
Flowering Plants	No common name	<i>Alsinidendron viscosum</i>	E	0	0
Flowering Plants	No common name	<i>Schoepfia arenaria</i>	T	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	<i>Schiedea spergulina spergulina</i>	T	0	0
Flowering Plants	No common name	<i>Schiedea spergulina leiopoda</i>	E	0	0
Flowering Plants	No common name	<i>Schiedea lydgatei</i>	E	0	0
Flowering Plants	No common name	<i>Schiedea helleri</i>	E	0	0
Flowering Plants	No common name	<i>Schiedea haleakalensis</i>	E	0	0
Flowering Plants	No common name	<i>Gesneria pauciflora</i>	T	0	0
Flowering Plants	No common name	<i>Myrcia paganii</i>	E	0	0
Flowering Plants	No common name	<i>Mariscus pennatiformis</i>	E	0	0
Flowering Plants	No common name	<i>Ternstroemia subsessilis</i>	E	0	0
Flowering Plants	No common name	<i>Silene hawaiiensis</i>	T	0	0
Flowering Plants	No common name	<i>Poa siphonoglossa</i>	E	0	0
Flowering Plants	No common name	<i>Platanthera holochila</i>	E	0	0
Flowering Plants	No common name	<i>Phyllostegia mollis</i>	E	0	0
Flowering Plants	No common name	<i>Mitracarpus polycladus</i>	E	0	0
Flowering Plants	No common name	<i>Mitracarpus maxwelliae</i>	E	0	0
Flowering Plants	No common name	<i>Lysimachia filifolia</i>	E	0	0
Flowering Plants	No common name	<i>Lobelia monostachya</i>	E	0	0
Flowering Plants	No common name	<i>Lepanthes eltoroensis</i>	E	0	0
Flowering Plants	No common name	<i>Daphnopsis hellerana</i>	E	0	0
Flowering Plants	No common name	<i>Cordia bellonis</i>	E	0	0
Flowering Plants	No common name	<i>Chamaecrista glandulosa mirabilis</i>	E	0	0
Flowering Plants	No common name	<i>Calyptanthes thomasiana</i>	E	0	0
Flowering Plants	No common name	<i>Viola oahuensis</i>	E	0	0
Flowering Plants	No common name	<i>Viola lanaiensis</i>	E	0	0
Flowering Plants	No common name	<i>Viola helenae</i>	E	0	0
Flowering Plants	No common name	<i>Vigna o-wahuensis</i>	E	0	0
Flowering Plants	No common name	<i>Tetramolopium rockii</i>	T	0	0
Flowering Plants	No common name	<i>Tetramolopium remyi</i>	E	0	0
Flowering Plants	No common name	<i>Tetramolopium lepidotum lepidotum</i>	E	0	0
Flowering Plants	No common name	<i>Tetramolopium filiforme</i>	E	0	0
Flowering Plants	No common name	<i>Neraudia sericea</i>	E	0	0
Flowering Plants	No common name	<i>Neraudia angulata</i>	E	0	0
Flowering Plants	No common name	<i>Munroidendron racemosum</i>	E	0	0
Flowering Plants	No common name	<i>Lobelia oahuensis</i>	E	0	0
Flowering Plants	No common name	<i>Geocarpon minimum</i>	T	0	0

**Fully Listed Endangered and Threatened Wildlife and Plants**  
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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Gahnia lanaiensis	E	0	0
Flowering Plants	No common name	Sanicula purpurea	E	0	0
Flowering Plants	nohoanu	Geranium multiflorum	E	0	0
Flowering Plants	oak, Hinckley	Quercus hinckleyi	T	0	0
Flowering Plants	oha	Delissea rivularis	E	0	0
Flowering Plants	oha	Delissea undulata	E	0	0
Flowering Plants	oha	Delissea subcordata	E	0	0
Flowering Plants	oha	Delissea rhytidosperma	E	0	0
Flowering Plants	`oha wai	Clermontia drepanomorpha	E	0	0
Flowering Plants	`oha wai	Clermontia samuelii	E	0	0
Flowering Plants	`oha wai	Clermontia oblongifolia mauiensis	E	0	0
Flowering Plants	`oha wai	Clermontia oblongifolia brevipes	E	0	0
Flowering Plants	`oha wai	Clermontia lindseyana	E	0	0
Flowering Plants	`oha wai	Clermontia pyrularia	E	0	0
Flowering Plants	`oha wai	Clermontia peleana	E	0	0
Flowering Plants	ohai	Sesbania tomentosa	E	0	0
Flowering Plants	`ohe`ohe	Tetraplasandra gymnocarpa	E	0	0
Flowering Plants	olulu	Brighamia insignis	E	0	0
Flowering Plants	onion, Munz's	Allium munzii	E	0	0
Flowering Plants	opuhe	Urera kaalae	E	0	0
Flowering Plants	orchid, eastern prairie fringed	Platanthera leucophaea	T	0	0
Flowering Plants	orchid, western prairie fringed	Platanthera praeclara	T	0	0
Flowering Plants	orcutt grass, Greene's	Tuctoria greenei	E	0	87500
Flowering Plants	orcutt grass, hairy	Orcuttia pilosa	E	0	0
Flowering Plants	orcutt grass, Sacramento	Orcuttia viscida	E	0	0
Flowering Plants	orcutt grass, San Joaquin	Orcuttia inaequalis	T	0	100000
Flowering Plants	orcutt grass, slender	Orcuttia tenuis	T	0	0
Flowering Plants	owl's-clover, fleshy	Castilleja campestris succulenta	T	0	87500
Flowering Plants	oxytheca, cushenbury	Oxytheca parishii goodmaniana	E	0	0
Flowering Plants	paintbrush, ash-grey	Castilleja cinerea	T	0	0
Flowering Plants	paintbrush, golden	Castilleja levisecta	T	0	0
Flowering Plants	paintbrush, soft-leaved	Castilleja mollis	E	0	0
Flowering Plants	paintbrush, Tiburon	Castilleja affinis neglecta	E	0	0
Flowering Plants	palo colorado	Temstroemia luquillensis	E	0	0
Flowering Plants	palo de jazmin	Styrax portoricensis	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	palo de nigua	Cornutia obovata	E	0	0
Flowering Plants	palo de ramon	Banara vanderbiltii	E	0	0
Flowering Plants	palo de rosa	Ottoschulzia rhodoxylon	E	0	0
Flowering Plants	pamakani	Tetramolopium capillare	E	0	0
Flowering Plants	pamakani	Viola chamissoniana chamissoniana	E	0	0
Flowering Plants	panicgrass, Carter's	Panicum fauriei carteri	E	0	0
Flowering Plants	pau'ala, (=alulu)	Brighamia rockii	E	0	0
Flowering Plants	pawpaw, beautiful	Deeringothamnus pulchellus	E	0	0
Flowering Plants	pawpaw, four-petal	Asimina tetramera	E	0	0
Flowering Plants	pawpaw, Rugel's	Deeringothamnus rugelii	E	0	0
Flowering Plants	pelos del diablo	Aristida portoricensis	E	0	0
Flowering Plants	penny-cress, Kneeland Prairie	Thlaspi californicum	E	0	0
Flowering Plants	pennyroyal, Todsens	Hedeoma todsenii	E	0	0
Flowering Plants	penstemon, blowout	Penstemon haydenii	E	0	0
Flowering Plants	pentachaeta, Lyon's	Pentachaeta lyonii	E	0	0
Flowering Plants	pentachaeta, white-rayed	Pentachaeta bellidiflora	E	0	0
Flowering Plants	peperomia, Wheeler's	Peperomia wheeleri	E	0	0
Flowering Plants	phacelia, clay	Phacelia argillacea	E	0	0
Flowering Plants	phacelia, island	Phacelia insularis insularis	E	0	0
Flowering Plants	phacelia, North Park	Phacelia formosula	E	0	0
Flowering Plants	phlox, Texas trailing	Phlox nivalis texensis	E	0	0
Flowering Plants	phlox, Yreka	Phlox hirsuta	E	0	0
Flowering Plants	pigeon wings	Clitoria fragrans	T	0	0
Flowering Plants	pilo	Hedyotis mannii	E	0	0
Flowering Plants	pink, swamp	Helonias bullata	T	0	0
Flowering Plants	pinkroot, gentian	Spigelia gentianoides	E	0	0
Flowering Plants	piperia, Yadon's	Piperia yadonii	E	0	0
Flowering Plants	pitaya, Davis' green	Echinocereus viridiflorus davisii	E	0	0
Flowering Plants	pitcher-plant, Alabama canebrake	Sarracenia rubra alabamensis	E	0	0
Flowering Plants	pitcher-plant, green	Sarracenia oreophila	E	0	0
Flowering Plants	pitcher-plant, mountain sweet	Sarracenia rubra jonesii	E	0	0
Flowering Plants	plum, scrub	Prunus geniculata	E	0	0
Flowering Plants	po'e	Portulaca sclerocarpa	E	0	0
Flowering Plants	pogonia, small whorled	Isotria medeoloides	T	0	0
Flowering Plants	polygala, Lewton's	Polygala lewtonii	E	0	0

F. Fully Listed Endangered and Threatened Wildlife and Plants  
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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	polygala, tiny	<i>Polygala smallii</i>	E	0	0
Flowering Plants	pondberry	<i>Lindera melissifolia</i>	E	0	0
Flowering Plants	pondweed, Little Aguja Creek	<i>Potamogeton clystocarpus</i>	E	0	0
Flowering Plants	popcornflower, rough	<i>Plagiobothrys hirtus</i>	E	0	0
Flowering Plants	popolo `aiakeakua	<i>Solanum sandwicense</i>	E	0	0
Flowering Plants	popolo ku mai	<i>Solanum incompletum</i>	E	0	0
Flowering Plants	poppy, Sacramento prickly	<i>Argemone pleiacantha pinnatisecta</i>	E	0	0
Flowering Plants	poppy-mallow, Texas	<i>Callirhoe scabriuscula</i>	E	0	0
Flowering Plants	potato-bean, Price's	<i>Apios priceana</i>	T	0	0
Flowering Plants	potentilla, Hickman's	<i>Potentilla hickmanii</i>	E	0	0
Flowering Plants	prairie-clover, leafy	<i>Dalea foliosa</i>	E	0	0
Flowering Plants	prickly-apple, fragrant	<i>Cereus eriophorus fragrans</i>	E	0	0
Flowering Plants	prickly-ash, St. Thomas	<i>Zanthoxylum thomasianum</i>	E	0	0
Flowering Plants	primrose, Maguire	<i>Primula maguirei</i>	T	0	0
Flowering Plants	pussypaws, Mariposa	<i>Calyptridium pulchellum</i>	T	0	0
Flowering Plants	pu`uka`a	<i>Cyperus trachysanthos</i>	E	0	0
Flowering Plants	rattleweed, hairy	<i>Baptisia arachnifera</i>	E	0	0
Flowering Plants	reed-mustard, Barneby	<i>Schoenocrambe barnebyi</i>	E	0	0
Flowering Plants	reed-mustard, clay	<i>Schoenocrambe argillacea</i>	T	0	0
Flowering Plants	remya, Maui	<i>Remya mauiensis</i>	E	0	0
Flowering Plants	rhododendron, Chapman	<i>Rhododendron chapmanii</i>	E	0	0
Flowering Plants	ridge-cress, Barneby	<i>Lepidium barnebyanum</i>	E	0	0
Flowering Plants	rock-cress, Braun's	<i>Arabis perstellata</i>	E	0	0
Flowering Plants	rock-cress, Hoffmann's	<i>Arabis hoffmannii</i>	E	0	0
Flowering Plants	rock-cress, McDonald's	<i>Arabis mcdonaldiana</i>	E	0	0
Flowering Plants	rock-cress, shale barren	<i>Arabis serotina</i>	E	0	0
Flowering Plants	rockcross, Santa Cruz Island	<i>Sibara filifolia</i>	E	0	0
Flowering Plants	rosemary, Apalachicola	<i>Conradina glabra</i>	E	0	0
Flowering Plants	rosemary, Cumberland	<i>Conradina verticillata</i>	T	0	0
Flowering Plants	rosemary, Etonia	<i>Conradina etonia</i>	E	0	0
Flowering Plants	rosemary, short-leaved	<i>Conradina brevifolia</i>	E	0	0
Flowering Plants	roseroot, Leedy's	<i>Sedum integrifolium leedyi</i>	T	0	0
Flowering Plants	rush-pea, slender	<i>Hoffmannseggia tenella</i>	E	0	0
Flowering Plants	rush-rose, island	<i>Helianthemum greenei</i>	T	0	0
Flowering Plants	sand-verbena, large-fruited	<i>Abronia macrocarpa</i>	E	0	0

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	sandalwood, Lanai or `iliahi	Santalum freycinetianum lanaiense	E	0	0
Flowering Plants	sandbur, agrimony or Kamanomano	Cenchrus agrimonioides	E	0	0
Flowering Plants	sandlace	Polygonella myriophylla	E	0	0
Flowering Plants	sandwort, Bear Valley	Arenaria ursina	T	0	0
Flowering Plants	sandwort, Cumberland	Arenaria cumberlandensis	E	0	0
Flowering Plants	sandwort, Marsh	Arenaria paludicola	E	0	0
Flowering Plants	schiedea, Diamond Head	Schiedea adamantis	E	0	0
Flowering Plants	seablite, California	Suaeda californica	E	0	0
Flowering Plants	seagrass, Johnson's	Halophila johnsonii	T	0	0
Flowering Plants	sedge, Navajo	Carex specuicola	T	0	0
Flowering Plants	sedge, white	Carex albida	E	0	0
Flowering Plants	silversword, Haleakala	Argyroxiphium sandwicense macro	T	0	0
Flowering Plants	silversword, Mauna Kea	Argyroxiphium sandwicense sandwic	E	0	0
Flowering Plants	silversword, Mauna Loa	Argyroxiphium kauense	E	0	0
Flowering Plants	skullcap, Florida	Scutellaria floridana	T	0	0
Flowering Plants	skullcap, large-flowered	Scutellaria montana	E	0	0
Flowering Plants	snakeroot	Eryngium cuneifolium	E	0	0
Flowering Plants	sneezeweed, Virginia	Helenium virginicum	T	0	0
Flowering Plants	snowbells, Texas	Styrax texanus	E	0	0
Flowering Plants	spineflower, Ben Lomond	Chorizanthe pungens hartwegiana	E	0	0
Flowering Plants	spineflower, Howell's	Chorizanthe howellii	E	0	0
Flowering Plants	spineflower, Monterey	Chorizanthe pungens pungens	T	0	0
Flowering Plants	spineflower, Orcutt's	Chorizanthe orcuttiana	E	0	0
Flowering Plants	spineflower, Robust	Chorizanthe robusta	E	0	0
Flowering Plants	spineflower, slender-horned	Dodecahema leptoceras	E	0	0
Flowering Plants	spineflower, Sonoma	Chorizanthe valida	E	0	0
Flowering Plants	spiraea, Virginia	Spiraea virginiana	T	0	0
Flowering Plants	spurge, deltoid	Chamaesyce deltoidea deltoidea	E	0	0
Flowering Plants	spurge, Garber's	Chamaesyce garberi	T	0	0
Flowering Plants	spurge, Hoover's	Chamaesyce hooveri	T	0	10000
Flowering Plants	spurge, telephus	Euphorbia telephioides	T	0	0
Flowering Plants	stonecrop, Lake County	Parvisedum leiocarpum	E	0	0
Flowering Plants	sumac, Michaux's	Rhus michauxii	E	0	0
Flowering Plants	sunburst, Hartweg's golden	Pseudobahia bahiifolia	E	2000	0
Flowering Plants	sunburst, San Joaquin adobe	Pseudobahia peirsonii	T	0	0

Fully Listed Endangered and Threatened Wildlife and Plants

As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	sunflower, Eggert's	Helianthus eggertii	T	0	0
Flowering Plants	sunflower, Pecos	Helianthus paradoxus	T	0	0
Flowering Plants	sunflower, San Mateo woolly	Eriophyllum latilobum	E	0	0
Flowering Plants	sunflower, Schweinitz's	Helianthus schweinitzii	E	0	0
Flowering Plants	sunray, Ash Meadows	Enceliopsis nudicaulis corrugata	T	0	0
Flowering Plants	sunshine, Sonoma	Blennosperma bakeri	E	0	0
Flowering Plants	taraxacum, California	Taraxacum californicum	E	0	0
Flowering Plants	tarplant, Gaviota	Hemizonia increscens villosa	E	0	0
Flowering Plants	tarplant, Otay	Hemizonia conjugens	T	0	0
Flowering Plants	tarplant, Santa Cruz	Holocarpha macradenia	T	0	0
Flowering Plants	thelypody, Howell's spectacular	Thelypodium howellii spectabilis	T	0	0
Flowering Plants	thistle, Chorro Creek bog	Cirsium fontinale obispoense	E	0	0
Flowering Plants	thistle, fountain	Cirsium fontinale fontinale	E	0	0
Flowering Plants	thistle, La Graciosa	Cirsium loncholepis	E	0	0
Flowering Plants	thistle, Loch Lomond coyote	Eryngium constancei	E	0	0
Flowering Plants	thistle, Pitcher's	Cirsium pitcheri	T	0	0
Flowering Plants	thistle, Sacramento Mountains	Cirsium vinaceum	T	0	0
Flowering Plants	thistle, Suisun	Cirsium hydrophilum hydrophilum	E	1000	0
Flowering Plants	thornmint, San Diego	Acanthomintha ilicifolia	T	0	0
Flowering Plants	thornmint, San Mateo	Acanthomintha obovata duttonii	E	0	0
Flowering Plants	townsendia, Last Chance	Townsendia aprica	T	0	0
Flowering Plants	trillium, persistent	Trillium persistens	E	0	0
Flowering Plants	trillium, relict	Trillium reliquum	E	0	0
Flowering Plants	twinpod, Dudley Bluffs	Physaria obcordata	T	0	0
Flowering Plants	uhiuhi	Caesalpinia kawaiense	E	0	0
Flowering Plants	uvillo	Eugenia haematocarpa	E	0	0
Flowering Plants	vervain, Red Hills	Verbena californica	T	0	0
Flowering Plants	vetch, Hawaiian	Vicia menziesii	E	0	0
Flowering Plants	wallflower, Ben Lomond	Erysimum teretifolium	E	0	0
Flowering Plants	wallflower, Contra Costa	Erysimum capitatum angustatum	E	0	0
Flowering Plants	wallflower, Menzies'	Erysimum menziesii	E	0	0
Flowering Plants	walnut, West Indian or nogal	Juglans jamaicensis	E	0	0
Flowering Plants	warea, wide-leaf	Warea amplexifolia	E	0	0
Flowering Plants	water-plantain, Kral's	Sagittaria secundifolia	T	0	0
Flowering Plants	water-umbel, Huachuca	Lilaeopsis schaffneriana recurva	E	0	0

**Fefully Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	water-willow, Cooley's	Justicia cooleyi	E	0	0
Flowering Plants	watercress, Gambel's	Rorippa gambellii	E	0	0
Flowering Plants	whitlow-wort, papery	Paronychia chartacea	T	0	0
Flowering Plants	wild-buckwheat, clay-loving	Eriogonum pelinophilum	E	0	0
Flowering Plants	wild-buckwheat, gypsum	Eriogonum gypsophilum	T	0	0
Flowering Plants	wild-buckwheat, southern mountain	Eriogonum kennedyi austromontanum	T	0	0
Flowering Plants	wild-rice, Texas	Zizania texana	E	0	0
Flowering Plants	wire-lettuce, Malheur	Stephanomeria malheurensis	E	0	0
Flowering Plants	wireweed	Polygonella basiramia	E	0	0
Flowering Plants	woodland-star, San Clemente Island	Lithophragma maximum	E	0	0
Flowering Plants	woolly-star, Hoover's	Eriastrum hooveri	T	0	0
Flowering Plants	woolly-star, Santa Ana River	Eriastrum densifolium sanctorum	E	0	0
Flowering Plants	wooly-threads, San Joaquin	Lembertia congdonii	E	0	0
Flowering Plants	yerba santa, Lompoc	Eriodictyon capitatum	E	0	0
Flowering Plants	ziziphus, Florida	Ziziphus celata	E	0	0
Conifers and Cycacypress, Gowen		Cupressus goveniana goveniana	T	0	0
Conifers and Cycacypress, Santa Cruz		Cupressus abramsiana	E	0	0
Conifers and CycaTorreya, Florida		Torreya taxifolia	E	0	0
Ferns and Allies	diellia, asplenium-leaved	Diellia erecta	E	0	0
Ferns and Allies	fern, Alabama streak-sorus	Thelypteris pilosa alabamensis	T	0	0
Ferns and Allies	fern, Aleutian shield	Polystichum aleuticum	E	0	0
Ferns and Allies	fern, American hart's-tongue	Asplenium scolopendrium americanu	T	0	0
Ferns and Allies	fern, Elfin tree	Cyathea dryopteroides	E	0	0
Ferns and Allies	fern, pendant kihi	Adenophorus periens	E	0	0
Ferns and Allies	ihi' ihi	Marsilea villosa	E	0	0
Ferns and Allies	No common name	Asplenium fragile insulare	E	0	0
Ferns and Allies	No common name	Diellia falcata	E	0	0
Ferns and Allies	No common name	Diellia pallida	E	0	0
Ferns and Allies	No common name	Thelypteris yaucoensis	E	0	0
Ferns and Allies	No common name	Thelypteris verecunda	E	0	0
Ferns and Allies	No common name	Thelypteris inabonensis	E	0	0
Ferns and Allies	No common name	Tectaria estremerana	E	0	0
Ferns and Allies	No common name	Polystichum calderonense	E	0	0
Ferns and Allies	No common name	Elaphoglossum serpens	E	0	0
Ferns and Allies	No common name	Diellia unisora	E	0	0



**F ally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Ferns and Allies	No common name	Adiantum vivesii	E	0	0
Ferns and Allies	No common name	Diplazium molokaiense	E	0	0
Ferns and Allies	No common name	Pteris lidgatei	E	0	0
Ferns and Allies	pauoa	Ctenitis squamigera	E	0	0
Ferns and Allies	quillwort, black spored	Isoetes melanospora	E	0	0
Ferns and Allies	quillwort, Louisiana	Isoetes louisianensis	E	0	0
Ferns and Allies	quillwort, mat-forming	Isoetes tegetiformans	E	0	0
Ferns and Allies	wawae'iole	Huperzia mannii	E	0	0
Ferns and Allies	wawae'iole, (=ha'iwale)	Phlegmariurus nutans	E	0	0
Lichens	cladonia, Florida perforate	Cladonia perforata	E	0	0
Lichens	lichen, rock gnome	Gymnoderma lineare	E	0	0
<b>Grand Total</b>				<b>\$ 56,470,660.00</b>	<b>\$ 5,456,000.00</b>

# NPS TE Species Expenditures

SCIENTIFIC	COMMON	LISTING STATUS*	EXPENDITURES			
			1998	1999	2000	2001
Acipenser brevirostrum	shortnose sturgeon	E	300	0	0	10,000
Acipenser oxyrinchus desotoi	gulf sturgeon	T	0	1,000	1,000	0
Adenophorus periens	pendant kihifern	E	0	0	0	0
Aeschynomene virginica	Virginia Sensitive jointvetch	T	0	0	6,000	25,000
Alasmidonta atropurpurea	cumberland elktoe	E	2,667	2,666	2,666	2,666
Alasmidonta heterodon	dwarf wedge mussel	E	1,412	1,608	17,520	16,520
Alopecurus aequalis sonomensis	Sonoma shortawn foxtail	E	500	500	10,000	10,000
Amaranthus pumilus	seaside amaranth	T	31,360	44,422	107,924	149,872
Ameiva polops	St. Croix ground lizard	E	0	16,200	12,800	1,800
Ammodramus maritimus mirabilis	Cape Sable seaside sparrow	E	333,000	205,000	320,500	262,500
Antilocapra americana sonoriensi	Sonoran pronghorn	E	71,000	46,000	89,000	76,000
Aphelocoma coerulescens	florida scrub-jay	T	6,000	2,000	4,000	4,000
Apios priceana	Prince's potato bean	T	200	200	300	300
Arabis hoffmannii	Hoffman's rockcress	E	1,000	1,000	1,000	1,000
Arabis perstellata	Nevada rockcress	E	200	200	300	300
Arctostaphylos confertiflora	Santa Rosa Island manzanita	E	5,000	1,700	1,700	2,800
Argyroxiphium kauense	kau silversword	E	10,000	30,000	30,000	40,000
Argyroxiphium sandwicense macrocephalus	haleakala silversword	T	0	500	500	0
Argyroxiphium sandwicense sandwicense	Hawaii silversword	E	0	0	0	0
Asplenium rhomboideum	diamond spleenwort	E	0	500	500	500
Astragalus bibullatus	Guthrie's ground plum	E	0	0	0	600
Astragalus cremnophyllax var. cremnophylla	sentry milkvetch	E	1,500	1,500	1,500	1,500
Brachyramphus marmoratus marmora	marbled murrelet	T	81,500	73,000	77,000	57,000
Buteo solitarius	hawaiian hawk	E	0	0	0	0
Caesalpinia kavaense	uhiuhi	E	0	0	0	0
Calyptanthus thomasi	Thomas' lidflower	E	0	0	500	0
Canis lupus	gray wolf	EXPN	799,195	749,296	792,785	772,400
Canis rufus	red wolf	EXPN	20,000	0	0	0
Caretta caretta	loggerhead sea turtle	T	170,581	240,238	260,112	310,113
Carex specuicola	Navaho sedge	T	1,000	1,000	0	0
Castilleja mollis	softleaf indian paintbrush	E	7,600	13,000	9,500	8,000
Chamaesyce garberi	Garber's sandmat	T	2,200	0	0	0
Charadrius alexandrinus	western snowy plover	T	90,000	65,000	100,000	64,000
Charadrius melodus	piping plover	E	270,669	314,231	323,022	533,926
Chelonia mydas	common green sea turtle	T	55,601	60,032	62,630	70,817
Chorizanthe valida	Sonoma spineflower	E	1,000	10,000	5,000	10,000
Cirsium pitcheri	Pitcher's thistle	T	2,000	3,600	10,100	9,550
Clemmys muhlenbergii	bog turtle	T	9,450	7,050	18,600	38,770
Clermontia peleana peleana	haha	E	0	0	0	0
Condradilla caelata	Birdwing pearly mussel	E	200	200	300	300
Corvus hawaiiensis	'alala	E	0	0	0	0
Corynorhinus townsendii	Ozark big ear bat	E	18,300	18,300	20,900	23,300
Coryphantha ramillosa	bunched cory cactus	T	1,000	1,800	1,000	1,600
Crocodylus acutus	American crocodile	E	27,600	20,659	24,637	25,137
Cycladenia humilis jonesii	Jone's cycladenia	T	1,500	0	0	0
Cynomys parvidens	Utah prairie dog	T	10,000	15,000	20,000	20,000
Cyprinella monacha	Chromium shiner	T	1,400	1,400	1,500	2,950
Cyprinodon diabolis	Devils Hole pupfish	E	200,000	3,000	3,000	45,000
Cyprinodon macularius	Desert pupfish	E	7,000	3,000	5,000	5,000
Cyprogenia stegaria	fanshell	E	0	0	0	1,000
Cyrtandra giffardii	forest cyrtandra	E	0	0	0	0
Dalea foliosa	leafy prairie-flower	E	200	200	300	300
Dendroica kirtlandii	kirtland's warbler	E	200	200	200	100
Dermochelys coriacea	leatherback sea turtle	E	36,253	40,644	40,523	46,105
Drymarchon corais couperi	eastern indigo snake	T	0	5,000	5,000	16,200
Dudleya nesiotica	Santa Cruz Island liveforever	E	0	1,000	500	500
Dudleya traskiae	Santa Barbara Island liveforever	E	1,000	2,000	1,500	500
Echinacea tenneeseensis	Tennessee purple coneflower	E	200	200	300	300
Echinocereus chisoensis chisoensis	chisos mountain hedgehog cactus	T	1,600	3,800	24,000	34,000
Empidonax traillii extimus	Southwestern willow flycatcher	E	13,600	13,600	10,400	8,900
Epioblasma brevidens	Cumberlandian combshell	E	2,667	2,666	2,666	2,666
Epioblasma capsaeformis	oyster mussel	E	2,667	2,666	2,666	2,666
Epioblasma torulosa rangiana	northern riffleshell	E	0	0	0	1,000
Epioblasma torulosa tortulosa	purple cats paw pearly mussel	E	0	0	0	1,500
Epioblasma walkeri	tan riffleshell	E	2,867	2,866	2,966	2,966
Eretmochelys imbricata	hawksbill sea turtle	E	182,681	187,358	187,952	180,333
Erigeron maguirei	MaGuire's daisy	T	5,000	5,000	5,000	5,000
Etheostoma boschungii	slackwater darter	T	600	1,200	2,600	1,200
Etheostoma percnurum	duskytail darter	E	0	0	1,200	23,650

# NPS TE Species Expenditures

SCIENTIFIC	COMMON	LISTING STATUS*	EXPENDITURES			
			1998	1999	2000	2001
<i>Etheostoma rubrum</i>	Bayou darter	T	200	200	200	2,400
<i>Eucyclogobius newberryi</i>	tidewater goby	E	25,000	5,000	10,000	5,000
<i>Eumetopias jubatus</i>	Steller sea lion	E	15,000	10,000	20,000	30,000
<i>Falco peregrinus</i>	peregrine	DM	136,872	105,181	155,429	104,806
<i>Fusconaia cor</i>	shiny pigtoe	E	200	200	300	300
<i>Galium buxifolium</i>	Santa Cruz Island bedstraw	DM	1,000	1,000	1,000	1,000
<i>Gambusia gaigei</i>	Big Bend gambusia	E	29,093	21,800	16,900	6,900
<i>Geum radiatum</i>	Appalachian avens	E	15,000	9,000	9,000	9,600
<i>Gila cypha</i>	humpback chub	E	0	12,000	7,000	2,000
<i>Gila elegans</i>	bonytail	E	5,000	5,000	5,000	5,000
<i>Gilia tenuiflora hoffmannii</i>	Hoffman's gilia	DM	4,600	4,600	3,800	1,000
<i>Glaucidium brasilianum cactorum</i>	cactus ferruginous pygmy-owl	E	3,000	3,000	4,000	5,000
<i>Glaucomyz sabrinus coloratus</i>	Carolina northern flying squirrel	E	0	5,000	5,000	27,300
<i>Gopherus agassizii</i>	desert tortoise	T	81,000	60,000	62,000	50,000
<i>Gopherus polyphemus</i>	gopher tortoise	T	3,000	3,000	18,000	9,000
<i>Graptemys oculifera</i>	ringed sawback turtle	T	200	200	300	300
<i>Grus americana</i>	whooping crane	EXPN	7,000	7,000	7,000	7,000
<i>Gymnoderma lineare</i>	rock gnome lichen	E	10,000	9,000	9,000	9,300
<i>Gymnogyps californianus</i>	california condor	EXPN	500	5,500	15,000	38,600
<i>Haliaeetus leucocephalus</i>	bald eagle	T	305,145	229,508	270,226	274,025
<i>Helianthemum Greenei</i>	island rush-rose	T	1,000	1,000	1,000	1,600
<i>Helianthus eggertii</i>	Egger's sunflower	T	3,200	200	300	11,300
<i>Helonias bullata</i>	swamp pink	T	0	0	0	900
<i>Hemignathus munroi</i>	'akiapola'au	E	0	0	0	0
<i>Heralides aristodemus ponceanus</i>	Schaus swallowtail	E	840	935	1,582	1,882
<i>Hexastylis naniflora</i>	dwarf-flowered heartleaf	T	150	150	150	2,016
<i>Hibiscadelphus giffardianus</i>	Kauai hau kuahiwi	E	500	1,000	2,000	2,000
<i>Ischaemum byrone</i>	Hilo murainagrass	E	1,000	3,000	4,000	2,000
<i>Isotria medeoloides</i>	small whorled pogonia orchid	T	1,000	2,000	1,000	2,740
<i>Kokia drynarioides</i>	Hawaii tree cotton	E	0	0	0	0
<i>Lampsilis abrupta</i>	pink mucket	E	0	0	0	1,000
<i>Lampsilis higginsii</i>	Higgin's eye pearly mussel	E	41,400	51,000	65,000	110,500
<i>Lampsilis perovialis</i>	orange-nacre mucket	T	200	200	300	300
<i>Lasiurus cinereus semotus</i>	Hawaiian hoary bat	E	0	0	0	0
<i>Lavia carosa</i>	Beach Lavia	E	1,000	1,000	2,000	16,000
<i>Lepidochelys kempii</i>	Kemp's ridley sea turtle	E	172,528	205,392	214,745	165,512
<i>Leptonycteris curasoae yerbabuen</i>	lesser long-nosed bat	E	8,000	8,000	9,000	9,000
<i>Leptonycteris nivalis</i>	Mexican long-nosed bat	E	200	200	200	200
<i>Lesquerella filiformis</i>	Missouri bladderpod	E	35,500	69,600	69,600	88,100
<i>Liatris helleri</i>	Heller's blazingstar	T	10,000	0	0	720
<i>Lilium occidentale</i>	Western Lily	E	0	0	1,000	1,000
<i>Loxops coccineus coccineus</i>	honeycreeper	E	0	0	0	0
<i>Lupinus tidestromii</i>	clover lupine	E	1,000	1,000	2,000	15,000
<i>Lycaeides melissa samuelis</i>	Karner blue butterfly	E	28,850	35,550	20,450	33,450
<i>Lynx canadensis</i>	lynx	T	12,250	48,300	91,925	135,900
<i>Mahonia pinnata insularis</i>	island barberry	E	2,500	500	500	500
<i>Malacothamnus fasciculatus nesio</i>	santa cruz island bus	E	500	500	500	500
<i>Malacothrix indecora</i>	santa cruz island mal	E	7,400	4,000	1,000	1,000
<i>Malacothrix squalida</i>	island malacothrix	E	500	500	500	500
<i>Megaptera novaeangliae</i>	humpback whale	E	70,000	70,000	98,000	260,000
<i>Melicope zahlbruckneri</i>	kipuka piaula	E	0	0	1,000	2,000
<i>Microhexura montivaga</i>	Spruce-fir moss spider	E	0	9,800	9,800	9,800
<i>Mimulus glabratus michiganensis</i>	Michigan monkey-flower	E	0	0	0	200
<i>Mustela nigripes</i>	black-footed ferret	EXPN	165,000	135,000	112,000	135,000
<i>Mycteria americana</i>	wood stork	E	8,340	8,935	24,082	10,882
<i>Myotis grisescens</i>	gray bat	E	20,600	20,150	35,950	29,550
<i>Myotis sodalis</i>	Indiana bat	E	38,808	55,200	54,278	58,175
<i>Neraudia ovata</i>	big island ma'oloa	E	0	0	0	0
<i>Nerodia clarkii taeniata</i>	Atlantic salt marsh snake	T	0	1,000	1,000	0
<i>Nesochen sandvicensis</i>	hawaiian goose	E	30,000	45,000	54,000	54,000
<i>Nothocestrum breviflorum</i>	smallflower aiea	E	0	0	5,000	2,000
<i>Notropis girardi</i>	Arkansas river shiner	T	0	216	432	1,080
<i>Notropis topeka</i>	Topeka shiner	E	2,000	2,000	2,000	27,000
<i>Noturus bailevi</i>	smoky madtom	E	1,200	1,200	1,200	2,650
<i>Noturus flavipinnis</i>	yellowfin madtom	T	1,200	1,200	1,200	2,650
<i>Obovaria retusa</i>	golf stick pearly mussel	E	0	0	0	1,000
<i>Ochrosia kilaeuensis</i>	Hawaii yellowwood	E	0	0	0	0
<i>Oenothera californica eurekaensis</i>	eureka dunes evening-	E	10,000	0	32,500	2,500
<i>Oncorhynchus clarkii stomias</i>	greenback cutthroat trout	T	31,000	33,500	31,500	31,000
<i>Oncorhynchus keta</i>	chum salmon	T	0	0	1,000	3,000
<i>Oncorhynchus kisutch</i>	Coho salmon	T	194,000	189,000	130,000	148,000
<i>Oncorhynchus mykiss</i>	Steelhead	T	25,000	25,000	67,000	63,000

# NPS TE Species Expenditures

SCIENTIFIC	COMMON	LISTING STATUS*	EXPENDITURES			
			1998	1999	2000	2001
Oncorhynchus nerka	sockeye salmon	T	4,000	10,000	25,000	13,000
Oncorhynchus tshawytscha	chinook salmon	T	21,500	21,500	67,500	60,500
Oreomystis mana	hawaii creeper	E	0	0	0	0
Ovis canadensis sierrae	Sierra Nevada bighorn sheep	E	10,500	5,300	3,400	3,500
Oxyloma haydeni kanabensis	kanab ambersnail	E	5,000	5,000	2,000	2,000
Palaemonias gantieri	Kentucky cave shrimp	E	0	0	0	10,000
Pediocactus bradyi	Brady's hedgehog cactus	E	2,000	0	1,000	0
Pediocactus despaini	Despain's cactus	E	10,000	10,000	2,000	2,000
Pediocactus winkleri	Winkler's cactus	T	10,000	10,000	6,000	6,000
Pegias fabula	little-wing pearly mussel	E	2,667	2,666	2,666	2,666
Pelecanus occidentalis	brown pelican	E	22,600	33,750	43,700	27,600
Pentachaeta bellidiflora	whiteray pygmydaisy	E	0	0	0	0
Peromyscus polionotus niveiventris	southeastern beach mouse	T	0	5,000	5,000	7,000
Peromyscus polionotus trissyllep	Perdido Key Beach mouse	E	7,000	8,000	118,000	42,000
Phacelia insularis insularis	Santa Rosa Island scorpionweed	E	7,400	4,000	500	4,000
Phoxinus cumberlandensis	blackside dace	T	11,400	11,600	11,950	16,950
Phyllostegia racemosa	kiponapona	E	0	0	0	500
Physeter catodon	sperm whale	E	0	0	1,000	0
Picoides borealis	red-cockaded woodpecker	E	33,000	57,200	60,500	61,600
Plantago hawaiiensis	Hawaii plantain	E	1,000	1,000	2,000	3,000
Platanthera praeclara	Great Plains white fringed orchid	T	17,500	42,600	30,900	56,560
Pleobasus cooperianus	orange-footed pearly mussel	E	200	200	300	300
Pleomele hawaiiensis	Hawaii hala pepe	E	500	500	500	1,000
Plethodon shenandoah	Shenandoah salamander	E	0	6,000	0	0
Pleurobema clava	clubshell	E	0	0	0	1,000
Pleurobema plenum	rough pigtoe	E	0	0	0	1,000
Polysticta stelleri	steller's eider	T	0	0	0	10,000
Portulaca sclerocarpa	'ihi makole	E	5,000	5,000	2,000	0
Pritchardia affinis	Hawaii pritchardia	E	1,000	1,000	2,000	1,000
Psittirostra psittacea	'o'u	E	0	0	0	0
Pterodroma phaeopygia sandwichen	hawaiian dark-rumped petrel	E	2,000	5,000	0	74,000
Ptilimnium nodosum	piedmont mock bishopweed	E	608	608	608	13,040
Ptychocheilus lucius	Colorado pikeminnow	E	500	12,500	26,000	26,000
Puffinus auricularis	'a'o	T	0	0	0	0
Puma concolor coryi	florida panther	E	103,000	105,000	134,800	171,800
Quadula fragosa	winged mapleleaf mussel	E	41,400	51,000	65,000	75,000
Rana aurora draytoni	California red-legged frog	T	50,000	48,000	65,000	57,000
Sagittaria secundifolia	Little River arrowhead	T	0	2,000	0	0
Salvelinus confluentus	bull trout	T	72,100	174,850	144,400	132,100
Sarracenia oreophila	green pitcherplant	E	25,000	3,000	3,000	3,000
Schoenocrambe barnebyi	Barneby thelypody	E	1,000	1,000	1,000	1,000
Sclerocactus mariposensis	Lloyd's mariposa cactus	T	1,000	1,400	1,000	1,600
Sclerocactus wrightiae	Wright's fishhook cactus	E	0	1,000	6,000	6,000
Scutellaria montana	largeflower skullcap	E	100	100	100	100
Sesbania tomentosa	Oahu riverhemp	E	15,000	0	0	0
Sicyos alba	anunu	E	0	0	0	1,000
Silene hawaiiensis	Hawaii catchfly	T	0	0	0	0
Spermolepis hawaiiensis	Hawaii scaleseed	E	0	0	0	0
Speyeria zerene myrtilae	Myrtle's silverspot	E	5	0	0	10
Spiraea virginiana	Virginia spirea	T	500	500	500	500
Spiranthes diluvialis	Ute ladies' tresses	T	33,000	108,000	97,000	7,000
Sterna antillarum athalassos	Interior least tern	E	7,500	32,150	28,600	18,500
Sterna dougallii dougallii	Roseate tern	E	2,840	6,335	6,982	7,282
Strix occidentalis caurina	northern spotted owl	T	381,750	291,500	492,047	444,127
Strix occidentalis lucida	mexican spotted owl	T	56,500	75,000	44,000	130,300
Stygobromus hayi	Hay's spring amphipod	E	0	2,500	13,000	28,000
Swallenia alexandrae	Eureka dunegrass	E	10,000	0	2,500	2,500
Syncaris pacifica	Californian fresh water shrimp	E	0	2,000	0	0
Thysanocarpus conchuliferus	lacepod	T	500	500	500	500
Townsendia aprica	last chance townsend	T	0	0	8,000	8,000
Toxolasma cylindrellus	pale lilliput pearly mussel	E	200	200	300	300
Trichechus manatus	manatee	E	14,100	14,118	30,573	18,273
Trifolium amoenum	showy indian clover	E	0	0	0	0
Ursus americanus luteolus	Louisiana black bear	T	200	200	300	300
Ursus arctos horribilis	grizzly bear	T	978,156	827,543	1,007,639	1,173,055
Villosa perpurpurea	purple bean mussel	E	1,875	1,875	1,875	1,875
Villosa trabalis	Cumberland bean mussel	E	4,542	4,541	4,541	4,541
Vireo atricapillus	black-capped vireo	E	6,800	6,800	15,300	6,000
Vireo bellii pusillus	least bell's vireo	E	1,625	11,968	0	2,104
Xyrauchen texanus	razorback sucker	E	10,500	20,500	11,000	11,000
Xyris tennesseensis	Tennessee yelloweyed grass	E	200	200	300	300

# NPS TE Species Expenditures

NAMES SCIENTIFIC	COMMON	LISTING STATUS*	EXPENDITURES			
			1998	1999	2000	2001
Zanthoxylum hawaiiense	Hawaii pricklyash	E	0	0	0	0
<b>TOTALS</b>			<b>\$6,054,714</b>	<b>\$5,802,823</b>	<b>\$7,000,199</b>	<b>\$7,733,028</b>



# United States Department of the Interior

OFFICE OF SURFACE MINING  
RECLAMATION AND ENFORCEMENT  
Washington, D.C. 20240

OCT 12 2001

## Memorandum

To: Acting Director, Fish and Wildlife Service

From: Acting Director, Office of Surface Mining *Michael H. Myers*

Subject: Office of Surface Mining Data for FY99 and FY00 Endangered Species Expenditures Report to Congress

Thank you for your letter of September 17, 2001, requesting information on reasonably identifiable expenditures made by the Office of Surface Mining (OSM) during Fiscal Years (FYs) 1999 (99) and 2000 (00) for the conservation of endangered or threatened species.

As you are aware, all surface coal mining and reclamation must be carried out in accordance with the Surface Mining Control and Reclamation Act (SMCRA) and also must comply with the requirements of the Endangered Species Act, whether OSM or a State - through an OSM-approved program - is the regulatory authority. Specifically, mining and reclamation plans must describe "how, to the extent possible using the best technology currently available, the operator will minimize disturbances and adverse impacts on fish and wildlife and related environmental values, including compliance with the Endangered Species Act ... and how enhancement of these resources will be achieved where practicable." SMCRA also provides for the reclamation of abandoned mine lands, and while States and Indian tribes determine how such reclamation will be accomplished, OSM encourages the creation of wildlife habitats and wetlands.

In response to your request, we have reviewed our records and have no data to report based upon our clarification with your staff of the following points:

- Data collection applies only to those species that were listed as either threatened or endangered as of September 30, 1999, for FY99 data and as of September 30, 2000, for FY00 data;

- Data from States is solicited separately and will be reported to the U.S. Fish and Wildlife Service individually and independent of the Federal data submission; and
- Requiring submitting agencies to pro-rate costs when staff are not assigned full-time on a single species (or a discrete project involving a single species) is considered unduly burdensome, and such costs need not be reported, e.g., portion of a mine plan or permitting review associated with a particular listed species.

Should you have any questions concerning this response, please do not hesitate to contact Mary Josie Blanchard, Assistant Director, Program Support, at (202) 208-4264 or me at (202) 208-4006.



# United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Office of the Director


Reston, Virginia 20192

In Reply Refer To:  
Mail Stop 300  
#20010586

## MEMORANDUM

DEC - 7 2001

To: Director, U.S. Fish and Wildlife Service

From: Charles G. Groat   
Director, U.S. Geological Survey

Subject: Fiscal Year 1999 and 2000 Endangered Species Expenditures Report to Congress

We are responding to your letter of September 17, 2001, requesting a report for fiscal years (FY) 1999 and 2000 expenditures of the U.S. Geological Survey (USGS) related to the conservation of endangered and threatened species.

In accordance with the guidance provided with your letter on the scope of activities that should be reported, we have reported funding that was reasonably identifiable for individual species and funding for studies and investigations involving multiple endangered or threatened species for which identifiable per species funding was not otherwise accounted for. For FY 1999 and 2000, the USGS has no land acquisition costs to report.

We hope that this information will be useful for your annual report to Congress. If you have questions concerning this matter, please contact Dr. Albert Sherk, on 703-648-4076.

Attachment



U.S. GEOLOGICAL SURVEY  
FY 2000 Endangered Species Expenditures

<u>Species</u>	<u>Expenditures (\$)</u>
Bear, grizzly (=brown) ( <i>Ursus arctos</i> )	\$ 471,300
Bear, Louisiana black ( <i>Ursus americanus luteolus</i> )	31,200
Bladderpod, Missouri ( <i>Lesquerella filiformis</i> )	9,500
Butterfly, Karner blue ( <i>Lycaeides melissa samuelis</i> )	100,000
Cactus, Chisos Mtn. hedgehog ( <i>Echinocereus chisoensis</i> (=reichenbachii)var.chisoensis)	33,000
Chub, bonytail ( <i>Gila elegans</i> )	141,800
Crane, whooping ( <i>Grus americana</i> )	879,220
Darter, Okaloosa ( <i>Etheostoma okaloosae</i> )	17,000
Duck, Laysan ( <i>Anas laysanensis</i> )	35,000
Eagle, bald ( <i>Haliaeetus leucocephalus</i> )	7,300
Eider, spectacled ( <i>Somateria</i> (=Arctonetta, =Lampronetta) <i>fischeri</i> )	103,000
Eider, Steller's ( <i>Polysticta stelleri</i> )	103,000
Ferret, black-footed ( <i>Mustela nigripes</i> )	424,500
Flycatcher, southwest willow ( <i>Empidonax traillii extimus</i> )	241,200
Fox, swift ( <i>Vulpes velox hebes</i> )	70,600
Frog, California red-legged ( <i>Rana aurora draytonii</i> )	21,800
Goby, tidewater ( <i>Eucyclogobius newberryi</i> )	7,000
Kingfisher, Guam Micronesian ( <i>Halcyon cinnamomina cinnamomina</i> )	10,700
Madtom, Neosho ( <i>Noturus placidus</i> )	68,000
Manatee, West Indian ( <i>Trichechus manatus</i> )	466,100
Moorhen, Mariana ( <i>Gallinula chloropus guami</i> )	29,300
Mouse, Preble's meadow jumping ( <i>Zapus hudsonius prelei</i> )	30,500
Orchid, western prairie fringed ( <i>Platanthera praeclara</i> )	25,000
Otter, southern sea ( <i>Enhydra lutris nereis</i> )	403,200
Owl, Mexican spotted ( <i>Strix occidentalis lucida</i> )	9,800
Owl, northern spotted ( <i>Strix occidentalis caurina</i> )	496,800
Plover, piping ( <i>Charadrius melodus</i> )	8,400
Plover, western snowy ( <i>Charadrius alexandrinus nivosus</i> )	14,100
Pupfish, desert ( <i>Cyprinodon macularius</i> )	40,000
Snake, giant garter ( <i>Thamnophis gigas</i> )	60,000
Squirrel, Delmarva Peninsula fox ( <i>Sciurus niger cinereus</i> )	170,700
Sturgeon, Gulf ( <i>Acipenser oxyrinchus desotoi</i> )	26,000
Sturgeon, pallid ( <i>Scaphirhynchus albus</i> )	81,000
Sturgeon, shortnose ( <i>Acipenser brevirostrum</i> )	167,000
Sucker, Lost River ( <i>Deltistes luxatus</i> )	147,000
Sucker, razorback ( <i>Xyrauchen texanus</i> )	141,800
Sucker, shortnose ( <i>Chasmistes brevirostris</i> )	147,000
Tern roseate ( <i>Sterna dougallii dougallii</i> )	36,700
Thistle, Pitcher's ( <i>Cirsium pitcheri</i> )	17,000
Tortoise, desert ( <i>Gopherus</i> (=Xerobates, =Scaptochelys) <i>agassizii</i> )	321,300
Turtle, Kemp's 1=Atlantic) ridley sea ( <i>Lepidochelys kempii</i> )	78,500
Wolf, gray ( <i>Canis lupus</i> )	<u>328,400</u>
<b>Reasonably Identifiable Expenditures (Species by Species)</b>	<b>\$6,020,720</b>
<b>Expenditures Not Otherwise Accounted For (Multiple Species)</b>	<b>\$5,862,700</b>
<b>TOTAL Endangered and At Risk Species Expenditures (FY 2000)</b>	<b>\$11,883,420</b>

Federal Aviation Administration FY 2000 T&E Costs

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E,T	\$1,000,000	\$1,500,000
Fishes	steelhead	Oncorhynchus mykiss	E,T	\$1,000,000	\$1,500,000
Flowering Plants	gerardia, sandplain	Agalinis acuta	E	\$500	\$0

Federal Highway Administration - FY 2000

species	planning	construction	acquisition
Inverted Common Name			
<b>Inverted Common Name Total</b>			0
Cactus, Kuenzler hedgehog		1,135	
<b>Cactus, Kuenzler hedgehog Total</b>			0
Cactus, Pima pineapple		2,376	
<b>Cactus, Pima pineapple Total</b>			0
Fleabane, Rhizome		1,000	
<b>Fleabane, Rhizome Total</b>			0
Poppy, Sacramento prickly		10,000	
<b>Poppy, Sacramento prickly Total</b>			0
Thistle, Sacramento Mountains		2,000	
<b>Thistle, Sacramento Mountains Total</b>			0
Wild-buckwheat, gypsum		1,428	
<b>Wild-buckwheat, gypsum Total</b>			0
pitcher's thistle		1,000	
<b>pitcher's thistle Total</b>			0
fat pocketbook mussel		7,500	
<b>fat pocketbook mussel Total</b>			0
Houghton's goldenrod		500	
<b>Houghton's goldenrod Total</b>			0
topeka shiner		2,000	
<b>topeka shiner Total</b>			0
pallila		600,000	
<b>pallila Total</b>			0
Salamander, Cheat Mountain	5,000		
<b>Salamander, Cheat Mountain Total</b>			0
Squirrel, Virginia northern flying		10,000	
<b>Squirrel, Virginia northern flying Total</b>			0
Pleurobema clava		25,000	
<b>Pleurobema clava Total</b>			0
Clover, running buffalo		2,000	
<b>Clover, running buffalo Total</b>			0
Harperella		5,000	
<b>Harperella Total</b>			0
Bat, Indiana		9,000	
<b>Bat, Indiana Total</b>			0
Bat, gray		1,000	
<b>Bat, gray Total</b>			0
<b>Grand Total</b>			0
Black-capped Vireo - <i>Vireo atricapilla</i>		36,500	
Golden-Cheeked Warbler - <i>Dendroica coronata</i>		34,800	
Bald Eagle - <i>Haliaeetus leucocephalus</i>		58,000	
Whooping Crane - <i>Grus americana</i>		1,400	
Piping Plover - <i>Charadrius melodia</i>		0	
Interior Least Tern - <i>Sterna antillarum</i>		100	
Red Cockaded Woodpecker - <i>Peckea</i>		2,500	16,500
Tobusch fishhook Cactus - <i>Ancistrus</i>		900.00	
Texas Poppy mallow - <i>Callirhoe sp.</i>		200.00	

Federal Highway Administration - FY 2000

Texas Trailing Phlox - <i>Phlox nival</i>	2900.00
White Bladderpod - <i>Lesquerella p</i>	1700.00
Slender Rush-Pea - <i>Hoffmannseg</i>	9300.00
Navasota Ladies'-tresses - <i>Spiran</i>	5500.00
South Texas Ambrosia - <i>Ambrosi</i>	100.00
Schweinitz sunflower	5000.00
Karst Invertebrates - (Multiple Sp	141300.00
Fountain Darter - <i>Etheostoma fon</i>	500.00
Houston Toad - <i>Bufo Houstonens</i>	25300.00
Barton Springs Salamander - <i>Eur</i>	200000.00
Concho Water Snake - <i>Nerodia p</i>	1000.00
Ocelot - <i>Felis pardalis</i>	10500.00

Prebbles meadow jumping mouse	1,316,000
Black footed ferret	17,500
Mountain plover	25,500
karner blue butterfly`	49,000
Mitchells satyr butterfly	47,000
Dwarf lake iris	500
flatwoods salamander	94,000
mexican spotted owl	57,600
southwest willow flycatcher	86,200
cactus ferruginous pygmy owl	40,000
pima pineappple cactus	13,100
gila topminnow	12,000
desert tortoise	153,200
peebles navajo cactus	3,000
Arizona hedgehog cactus`	2,500
lesser longnosed bat	4,000
loach minnow	2,500
razorback sucker	2,500
spikedace	2,500
velb	81,000
giant garter snake	95,800
San Joaquin kit fox	139,000
chinook salmon	18,000
steelhead	40,000
Sacramento spllittail	18,000
delta smelt	18,500
giant kangaroo rat	98,500

120000

Federal Highway Administration - FY 2000

Tipton kangaroo rat	77,500	
blunt nosed leopard lizard	77,500	
california jewel flower	77,500	
SJ wooley threads	3,500	
fresno kangaroo rat	77,500	
fairly tadpole shrimp	98,500	
hoovers wooly star	3,500	
vernal pool fairy shrimp	91,500	
least bells vireo	22,000	
santa cruz longtoed salamander	21,000	
robust spineflower	5,000	
monterey spineflower	5,000	
santacruz tarplant	5,000	
tidewater goby	26,000	
scott's valley spineflower	5,000	
marbled murrelet	21,000	
conservancy fairy shrimp	21,000	
tui chub	10,000	
owen's pupfish	15,000	
cal red legged frog	21,000	
amber darter	260,000	
etowah darter	1,200	
conasauga logperch	260,000	
canby's dropwort	4,000	
pecos sunflower	8,000	
sacramento prickly poppy	8,000	
whooping crane	627,000	
western prairie fringed orchid	2,400	
subtotal for construction/planning	5,515,439	
subtotal fo acquisition		136,500
grand total	5,776,439	
total	5,651,939	
grizzly	40,000	
lynx	40,000	
final total	5,731,939	



## U.S. Customs Service

1300 Pennsylvania Avenue, N.W. Washington, D.C. 20229

ADM-6-04-OF:BD:OF TGC

November 30, 2001

Mr. Marshall P. Jones, Jr.  
Director  
Fish and Wildlife Service  
U.S. Department of the Interior  
1849 C Street, NW.  
Washington, D.C. 20240

Dear Mr. Jones:

This is in response to your letter dated September 19, 2001, in which you requested that the U.S. Customs Service report on expenditures made primarily for the conservation of endangered or threatened species.

Although Customs is one of the lead agencies in the enforcement of the endangered or threatened species laws and the regulation and international conventions on these species, we do not specifically allocate funding for this purpose. Nor do we have a system to capture the cost of seizing a product of an endangered species or detaining an endangered species at any one of our border sites. This task is integrated into the overall function of Customs operational groups, such as special agents, inspectors, and import specialists. Therefore, enforcement of the endangered or threatened species laws, as well as the regulation and international conventions is a part of the regular duties within the broad range of Customs responsibilities. As a result, we cannot identify the Fiscal Year 1999 nor Fiscal Year 2000 expenditures made primarily for the conservation of endangered or threatened species pursuant to the Endangered Species Act Amendments of 1988.

However, be assured that the U.S. Customs Service, in conjunction with the Fish and Wildlife Service (FWS), continues to investigate cases involving illegal, as well as, smuggled importations of endangered and threatened species pursuant to the Endangered Species Act and the Convention on International Trade in Endangered Species of Wild Fauna and Flora. Furthermore, at FWS designated ports of entry, Customs inspectors, agents, and import specialists assist in wildlife enforcement by ensuring that suspect shipments are detained to await clearance by local FWS officers, and when appropriate, ordering the redelivery of the shipment and assessing penalties in required cases. At non-designated ports of entry our personnel perform enforcement actions on behalf of FWS in enforcing the Endangered Species Act Amendments of 1988.

TRADITION

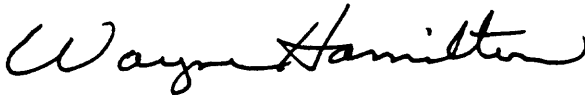
SERVICE

HONOR

Even though specific expenditures are not available, we can assure you that Customs continues its effort to work in cooperation with FWS. We expect this enforcement initiative will have a significant impact on attempted illegal importations in the future.

If you require more information, please feel free to have a member of your staff contact Mr. Kurt Hahn, Director, Budget Formulation, on (202) 927-4084.

Sincerely,

A handwritten signature in cursive script that reads "C. Wayne Hamilton".

C. Wayne Hamilton  
Assistant Commissioner  
Office of Finance



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

NOV 26 2001

OFFICE OF  
ENFORCEMENT AND  
COMPLIANCE ASSURANCE

Marshall P. Jones, Jr.  
Acting Director  
Fish and Wildlife Service  
U.S. Department of Interior  
Washington, D.C. 20240

Reference: FWS/AES/OPO/004747

Dear Mr. Jones:

This is in response to your letter of September 19, 2001 requesting information concerning expenditures by the U.S. Environmental Protection Agency (EPA) for the conservation of listed endangered and threatened species. As requested, enclosed are estimates of reasonably identifiable expenditures for FY 1999 and FY 2000, categorized by species. These estimates are limited, as directed by your guidance, to those funds spent on specific species and do not include funds spent on broader endangered species programs/projects or consultations under Section 7 of the Endangered Species Act that involved several species where the costs are not easily divided by species.

In addition, we will be forwarding via email the data submission in Microsoft Excel format to Martha Balislarsen of your staff, as requested. Should you have any additional questions please contact Cliff Rader of my staff at (202) 564-7159.

Sincerely,

A handwritten signature in cursive script, appearing to read "Anne Norton Miller".

Anne Norton Miller  
Director  
Office of Federal Activities

Enclosure



Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

2000 Data Request For Federal Agencies

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	bat, gray	Myotis grisescens	E	1846	
Mammals	bat, Hawaiian hoary	Lasiurus cinereus semotus	E		
Mammals	bat, Indiana	Myotis sodalis	E	1192.48	
Mammals	bat, lesser long-nosed	Leptonycteris curasoae yerbabuenae	E		
Mammals	bat, little Mariana fruit	Pteropus tokudae	E		
Mammals	bat, Mariana fruit	Pteropus mariannus mariannus	E		
Mammals	bat, Mexican long-nosed	Leptonycteris nivalis	E		
Mammals	bat, Ozark big-eared	Corynorhinus townsendii ingens	E		
Mammals	bat, Virginia big-eared	Corynorhinus townsendii virginianus	E	493.04	
Mammals	bear, grizzly	Ursus arctos horribilis	T		
Mammals	bear, Louisiana black	Ursus americanus luteolus	T		
Mammals	caribou, woodland	Rangifer tarandus caribou	E		
Mammals	deer, Columbian white-tailed	Odocoileus virginianus leucurus	E		
Mammals	deer, Key	Odocoileus virginianus clavium	E		
Mammals	ferret, black-footed	Mustela nigripes	E		
Mammals	fox, San Joaquin kit	Vulpes macrotis mutica	E		
Mammals	jaguar	Panthera onca	E		
Mammals	jaguarundi, Gulf Coast	Herpailurus yagouaroundi cacomilli	E		
Mammals	jaguarundi, Sinaloan	Herpailurus yagouaroundi tolteca	E		
Mammals	kangaroo rat, Fresno	Dipodomys nitratoides exilis	E		
Mammals	kangaroo rat, giant	Dipodomys ingens	E		
Mammals	kangaroo rat, Morro Bay	Dipodomys heermanni morroensis	E		
Mammals	kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E		
Mammals	kangaroo rat, Stephens'	Dipodomys stephensi	E		
Mammals	kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E		
Mammals	lynx, Canada	Lynx canadensis	T		
Mammals	manatee, West Indian	Trichechus manatus	E	11878.4	
Mammals	mountain beaver, Point Arena	Aplodontia rufa nigra	E		
Mammals	Mouse, Alabama beach	Peromyscus polionotus ammobates	E		
Mammals	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E		
Mammals	Mouse, Choctawhatchee beach	Peromyscus polionotus allophrys	E		
Mammals	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E		
Mammals	mouse, Pacific pocket	Perognathus longimembris pacificus	E		
Mammals	Mouse, Perdido Key beach	Peromyscus polionotus trissylepsis	E		
Mammals	mouse, Preble's meadow jumping	Zapus hudsonius preblei	T		
Mammals	mouse, salt marsh harvest	Reithrodontomys raviventris	E		
Mammals	Mouse, southeastern beach	Peromyscus polionotus nivelventris	T		
Mammals	mouse, St. Andrew beach	Peromyscus polionotus peninsularis	E		
Mammals	ocelot	Leopardus pardalis	E		
Mammals	otter, southern sea	Enhydra lutris nereis	T	2866.4	

Federally Listed Endangered and Threatened Wildlife and Plants  
As of Fiscal Year 2000 (September 30, 2000)

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Mammals	panther, Florida	<i>Puma concolor coryi</i>	E	286.64	
Mammals	prairie dog, Utah	<i>Cynomys parvidens</i>	T		
Mammals	pronghorn, Sonoran	<i>Antilocapra americana sonoriensis</i>	E		
Mammals	puma, eastern	<i>Puma concolor cougar</i>	E		
Mammals	rabbit, Lower Keys marsh	<i>Sylvilagus palustris hefneri</i>	E		
Mammals	rabbit, riparian brush	<i>Sylvilagus bachmani riparius</i>	E		
Mammals	rice rat	<i>Oryzomys palustris natator</i>	E		
Mammals	sea-lion, Steller	<i>Eumetopias jubatus</i>	E, T	4500	
Mammals	seal, Caribbean monk	<i>Monachus tropicalis</i>	E		
Mammals	seal, Guadalupe fur	<i>Arctocephalus townsendi</i>	T		
Mammals	seal, Hawaiian monk	<i>Monachus schauinslandi</i>	E		
Mammals	sheep, bighorn	<i>Ovis canadensis</i>	E		
Mammals	sheep, bighorn	<i>Ovis canadensis californiana</i>	E		
Mammals	shrew, Dismal Swamp southeastern	<i>Sorex longirostris fisheri</i>	DP		
Mammals	squirrel, Carolina northern flying	<i>Glaucomys sabrinus coloratus</i>	E		
Mammals	squirrel, Delmarva Peninsula fox	<i>Sciurus niger cinereus</i>	E		
Mammals	squirrel, Mount Graham red	<i>Tamiasciurus hudsonicus grahamensis</i>	E		
Mammals	squirrel, northern Idaho ground	<i>Spermophilus brunneus brunneus</i>	T		
Mammals	squirrel, Virginia northern flying	<i>Glaucomys sabrinus fuscus</i>	E		
Mammals	vole, Amargosa	<i>Microtus californicus scirpensis</i>	E		
Mammals	vole, Florida salt marsh	<i>Microtus pennsylvanicus dukecampbelli</i>	E		
Mammals	vole, Hualapai Mexican	<i>Microtus mexicanus hualpaiensis</i>	E		
Mammals	whale, blue	<i>Balaenoptera musculus</i>	E		
Mammals	whale, bowhead	<i>Balaena mysticetus</i>	E		
Mammals	whale, finback	<i>Balaenoptera physalus</i>	E		
Mammals	whale, humpback	<i>Megaptera novaeangliae</i>	E		
Mammals	whale, right	<i>Balaena glacialis</i>	E	573.28	
Mammals	whale, Sei	<i>Balaenoptera borealis</i>	E		
Mammals	whale, sperm	<i>Physeter catodon</i>	E		
Mammals	wolf, gray	<i>Canis lupus</i>	E, T	1500	
Mammals	wolf, red	<i>Canis rufus</i>	E		
Mammals	woodrat, Key Largo	<i>Neotoma floridana smalli</i>	E		
Mammals	woodrat, riparian	<i>Neotoma fuscipes riparia</i>	E		
Birds	akepa, Hawaii	<i>Loxops coccyneus coccyneus</i>	E		
Birds	akepa, Maui	<i>Loxops coccyneus ochraceus</i>	E		
Birds	akiapola, Kauai	<i>Hemignathus procerus</i>	E		
Birds	akiapola'au	<i>Hemignathus munroi</i>	E		
Birds	Albatross, short-tailed	<i>Phoebastria albatrus</i>	E	4000	
Birds	blackbird, yellow-shouldered	<i>Agelaius xanthomus</i>	E		
Birds	bobwhite, masked	<i>Colinus virginianus ridgwayi</i>	E		
Birds	broadbill, Guam	<i>Myiagra freycineti</i>	E		
Birds	cahow	<i>Pterodroma cahow</i>	E		

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Birds	caracara, Audubon's crested	<i>Polyborus plancus audubonii</i>	T	143.32	
Birds	condor, California	<i>Gymnogyps californianus</i>	E		
Birds	coot, Hawaiian	<i>Fulca americana alai</i>	E		
Birds	crane, Mississippi sandhill	<i>Grus canadensis pulla</i>	E		
Birds	crane, whooping	<i>Grus americana</i>	E		
Birds	creeper, Hawaii	<i>Oreomystis mana</i>	E		
Birds	creeper, Molokai	<i>Paroreomyza flammea</i>	E		
Birds	creeper, Oahu	<i>Paroreomyza maculata</i>	E		
Birds	crow, Hawaiian	<i>Corvus hawaiiensis</i>	E		
Birds	crow, Mariana	<i>Corvus kubaryi</i>	E		
Birds	crow, white-necked	<i>Corvus leucognaphalus</i>	E		
Birds	curlew, Eskimo	<i>Numenius borealis</i>	E		
Birds	duck, Hawaiian	<i>Anas wyvilliana</i>	E		
Birds	duck, Laysan	<i>Anas laysanensis</i>	E		
Birds	eagle, bald	<i>Haliaeetus leucocephalus</i>	T	8100	
Birds	eider, spectacled	<i>Somateria fischeri</i>	T	2500	
Birds	eider, Steller's	<i>Polysticta stelleri</i>	T	16000	
Birds	elepaio, Oahu	<i>Chasiempis sandwichensis lbdus</i>	E		
Birds	falcon, northern aplomado	<i>Falco femoralis septentrionalis</i>	E		
Birds	finch, Laysan	<i>Telespyza cantans</i>	E		
Birds	finch, Nihoa	<i>Telespyza ultima</i>	E		
Birds	flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	E	6000	
Birds	gnatcatcher, coastal California	<i>Polioptila californica californica</i>	T		
Birds	goose, Hawaiian	<i>Branta sandvicensis</i>	E		
Birds	hawk, Hawaiian	<i>Buteo solitarius</i>	E		
Birds	hawk, Puerto Rican broad-winged	<i>Buteo platypterus brunescens</i>	E		
Birds	hawk, Puerto Rican sharp-shinned	<i>Accipiter striatus venator</i>	E		
Birds	honeycreeper, crested	<i>Palmeria dolei</i>	E		
Birds	jay, Florida scrub	<i>Aphelocoma coerulescens</i>	T		
Birds	kingfisher, Guam Micronesian	<i>Halcyon cinnamomina cinnamomina</i>	E		
Birds	kite, Everglade snail	<i>Rostrhamus sociabilis plumbeus</i>	E	2419.28	
Birds	mallard, Mariana	<i>Anas oustaleti</i>	E		
Birds	megapode, Micronesian	<i>Megapodius laperouse</i>	E		
Birds	millerbird, Nihoa	<i>Acrocephalus familiaris kingi</i>	E		
Birds	monarch, Tinian	<i>Monarcha takatsukasae</i>	T		
Birds	moorhen, Hawaiian common	<i>Gallinula chloropus sandvicensis</i>	E		
Birds	moorhen, Mariana common	<i>Gallinula chloropus guami</i>	E		
Birds	murrelet, marbled	<i>Brachyramphus marmoratus marmoratus</i>	T		
Birds	nightjar, Puerto Rican	<i>Caprimulgus noctitherus</i>	E		
Birds	nukupu'u	<i>Hemignathus lucidus</i>	E		
Birds	'o'o, Kauai	<i>Moho braccatus</i>	E		
Birds	'o'u	<i>Psittirostra psittacea</i>	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Birds	owl, Mexican spotted	<i>Strix occidentalis lucida</i>	T		
Birds	owl, northern spotted	<i>Strix occidentalis caurina</i>	T		
Birds	pallid	<i>Loxoides bailleui</i>	E		
Birds	parrot, Puerto Rican	<i>Amazona vittata</i>	E		
Birds	parrotbill, Maui	<i>Pseudonestor xanthophrys</i>	E		
Birds	pelican, brown	<i>Pelecanus occidentalis</i>	E		
Birds	petrel, Hawaiian dark-rumped	<i>Pterodroma phaeopygia sandwichensis</i>	E		
Birds	pigeon, Puerto Rican plain	<i>Columba inornata wetmorei</i>	E		
Birds	Plover, piping	<i>Charadrius melodus</i>	E, T	2786.16	
Birds	plover, western snowy	<i>Charadrius alexandrinus nivosus</i>	T		
Birds	po'ouli	<i>Melamprosops phaeosoma</i>	E		
Birds	prairie-chicken, Attwater's greater	<i>Tympanuchus cupido attwateri</i>	E		
Birds	pygmy-owl, cactus ferruginous	<i>Glaucidium brasilianum cactorum</i>	E		
Birds	rail, California clapper	<i>Rallus longirostris obsoletus</i>	E		
Birds	rail, Guam	<i>Rallus owstoni</i>	E		
Birds	rail, light-footed clapper	<i>Rallus longirostris levipes</i>	E		
Birds	rail, Yuma clapper	<i>Rallus longirostris yumanensis</i>	E		
Birds	shearwater, Newell's Townsend's	<i>Puffinus auricularis newelli</i>	T		
Birds	shrike, San Clemente loggerhead	<i>Lanius ludovicianus mearnsi</i>	E		
Birds	sparrow, Cape Sable seaside	<i>Ammodramus maritimus mirabilis</i>	E		
Birds	sparrow, Florida grasshopper	<i>Ammodramus savannarum floridanus</i>	E		
Birds	sparrow, San Clemente sage	<i>Amphispiza belli clementeae</i>	T		
Birds	stilt, Hawaiian	<i>Himantopus mexicanus knudseni</i>	E		
Birds	stork, wood	<i>Mycteria americana</i>	E	8198	
Birds	swiftlet, Mariana gray	<i>Aerodramus vanikorensis bartschi</i>	E		
Birds	tern, California least	<i>Sterna antillarum browni</i>	E		
Birds	tern, least	<i>Sterna antillarum</i>	E		
Birds	tern, roseate	<i>Sterna dougallii dougallii</i>	E, T		
Birds	thrush, large Kauai	<i>Myadestes myadestinus</i>	E		
Birds	thrush, Molokai	<i>Myadestes lanaiensis rutha</i>	E		
Birds	thrush, small Kauai	<i>Myadestes palmeri</i>	E		
Birds	towhee, Inyo California	<i>Pipilo crissalis eremophilus</i>	T		
Birds	vireo, black-capped	<i>Vireo atricapillus</i>	E		
Birds	vireo, least Bell's	<i>Vireo bellii pusillus</i>	E	41,500	
Birds	warbler, Bachman's	<i>Vermivora bachmanii</i>	E		
Birds	warbler, golden-cheeked	<i>Dendroica chrysoparia</i>	E		
Birds	warbler, Kirtland's	<i>Dendroica kirtlandii</i>	E		
Birds	warbler, nightingale reed	<i>Acrocephalus luscini</i>	E		
Birds	white-eye, bridled	<i>Zosterops conspicillatus conspicillatus</i>	E		
Birds	woodpecker, ivory-billed	<i>Campephilus principalis</i>	E		
Birds	woodpecker, red-cockaded	<i>Picoides borealis</i>	E		
Reptiles	anole, Culebra Island giant	<i>Anolis roosevelti</i>	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Reptiles	boa, Mona	Epicrates monensis monensis	T		
Reptiles	boa, Puerto Rican	Epicrates inornatus	E		
Reptiles	boa, Virgin Islands tree	Epicrates monensis granti	E		
Reptiles	crocodile, American	Crocodylus acutus	E		
Reptiles	gecko, Monito	Sphaerodactylus microplithecus	E		
Reptiles	iguana, Mona ground	Cyclura stejnegeri	T		
Reptiles	lizard, blunt-nosed leopard	Gambelia silus	E		
Reptiles	lizard, Coachella Valley fringe-loed	Uma inornata	T		
Reptiles	lizard, Island night	Xantusia riversiana	T		
Reptiles	lizard, St. Croix ground	Ameiva polops	E		
Reptiles	rattlesnake, New Mexican ridge-nosed	Crotalus willardi obscurus	T		
Reptiles	sea turtle, green	Chelonia mydas	E, T	1066.32	
Reptiles	sea turtle, hawksbill	Eretmochelys imbricata	E	493.04	
Reptiles	sea turtle, Kemp's ridley	Lepidochelys kempii	E		
Reptiles	sea turtle, leatherback	Dermochelys coriacea	E	493.04	
Reptiles	sea turtle, loggerhead	Caretta caretta	T	1066.32	
Reptiles	sea turtle, olive ridley	Lepidochelys olivacea	E, T		
Reptiles	skink, bluetail mole	Eumeces egregius lividus	T		
Reptiles	skink, sand	Neoseps reynoldsi	T		
Reptiles	snake, Atlantic salt marsh	Nerodia clarkii taeniata	T		
Reptiles	snake, Concho water	Nerodia paucimaculata	T		
Reptiles	snake, copperbelly water	Nerodia erythrogaster neglecta	T	859.92	
Reptiles	snake, eastern indigo	Drymarchon corais couperi	T		
Reptiles	snake, giant garter	Thamnophis gigas	T		
Reptiles	snake, Lake Erie water	Nerodia sipedon insularum	T		
Reptiles	snake, San Francisco garter	Thamnophis sirtalis tetrataenia	E		
Reptiles	tortoise, desert	Gopherus agassizii	T		
Reptiles	tortoise, gopher	Gopherus polyphemus	T		
Reptiles	turtle, Alabama red-belly	Pseudemys alabamensis	E	206.4	
Reptiles	turtle, bog	Clemmys muhlenbergii	T	859.92	
Reptiles	turtle, flattened musk	Sternotherus depressus	T		
Reptiles	turtle, Plymouth redbelly	Pseudemys rubriventris bangsi	E		
Reptiles	turtle, ringed map	Graptemys oculifera	T	779.68	
Reptiles	turtle, yellow-blotched map	Graptemys flavimaculata	T		
Reptiles	whipsnake, Alameda	Masticophis lateralis euryxanthus	T		
Amphibians	coqui, golden	Eleutherodactylus jasperii	T		
Amphibians	frog, California red-legged	Rana aurora draytonii	T		
Amphibians	guajon	Eleutherodactylus cooki	T		
Amphibians	salamander, Barton Springs	Eurycea sosorum	E	859.92	
Amphibians	salamander, California tiger	Ambystoma californiense	E		
Amphibians	salamander, Cheat Mountain	Plethodon nettingi	T		
Amphibians	salamander, desert slender	Batrachoseps aridus	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Amphibians	salamander, flatwoods	Ambystoma cingulatum	T	1146.56	
Amphibians	salamander, Red Hills	Phaeognathus hubrichti	T		
Amphibians	salamander, San Marcos	Eurycea nana	T		
Amphibians	salamander, Santa Cruz long-toed	Ambystoma macrodactylum croceum	E		
Amphibians	salamander, Shenandoah	Plethodon shenandoah	E		
Amphibians	salamander, Sonoran tiger	Ambystoma tigrinum stebbinsi	E		
Amphibians	salamander, Texas blind	Typhlomolge rathbuni	E		
Amphibians	toad, arroyo	Bufo microscaphus californicus	E	859.92	
Amphibians	toad, Houston	Bufo houstonensis	E		
Amphibians	toad, Puerto Rican crested	Peltophyre lemur	T		
Amphibians	toad, Wyoming	Bufo hemiophrys baxteri	E		
Fishes	catfish, Yaqui	Ictalurus pricei	T		
Fishes	cavefish, Alabama	Speoplatyrhinus poulsoni	E		
Fishes	cavefish, Ozark	Amblyopsis rosae	T		
Fishes	chub, bonytail	Gila elegans	E	859.92	
Fishes	chub, Borax Lake	Gila boraxobius	E		
Fishes	chub, Chihuahua	Gila nigrescens	T		
Fishes	chub, humpback	Gila cypha	E		
Fishes	chub, Hutton tui	Gila bicolor ssp.	T		
Fishes	chub, Mohave tui	Gila bicolor mohavensis	E		
Fishes	chub, Oregon	Oregonichthys crameri	E		
Fishes	chub, Owens tui	Gila bicolor snyderi	E		
Fishes	chub, Pahrnagat roundtail	Gila robusta jordani	E		
Fishes	chub, slender	Erimystax cahni	T		
Fishes	chub, Sonora	Gila ditaenia	T		
Fishes	chub, spotfin	Cyprinella monacha	T		
Fishes	chub, Virgin River	Gila robusta seminuda	E		
Fishes	chub, Yaqui	Gila purpurea	E		
Fishes	cui-ui	Chasmistes cujus	E		
Fishes	dace, Ash Meadows speckled	Rhinichthys osculus nevadensis	E		
Fishes	dace, blackside	Phoxinus cumberlandensis	T		
Fishes	dace, Clover Valley speckled	Rhinichthys osculus oligoporus	E		
Fishes	dace, desert	Eremichthys acros	T		
Fishes	dace, Foscett speckled	Rhinichthys osculus ssp.	T		
Fishes	dace, Independence Valley speckled	Rhinichthys osculus lethoporus	E		
Fishes	dace, Kendall Warm Springs	Rhinichthys osculus thermalis	E		
Fishes	dace, Moapa	Moapa coriacea	E		
Fishes	darer, amber	Percina antesella	E		
Fishes	darer, bayou	Etheostoma rubrum	T		
Fishes	darer, bluemark	Etheostoma sp.	E		
Fishes	darer, boulder	Etheostoma wapiti	E		
Fishes	darer, Cherokee	Etheostoma scotti	T	493.04	

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Fishes	darter, duskytail	Etheostoma percnurum	E		
Fishes	darter, Etowah	Etheostoma etowahae	E	493.04	
Fishes	darter, fountain	Etheostoma fonticola	E	28000	
Fishes	darter, goldline	Percina aurolineata	T	493.04	
Fishes	darter, leopard	Percina pantherina	T		
Fishes	darter, Maryland	Etheostoma sellare	E		
Fishes	darter, Niangua	Etheostoma nianguae	T		
Fishes	darter, Okaloosa	Etheostoma okaloosae	E	286.64	
Fishes	darter, relict	Etheostoma chienense	E	493.04	
Fishes	darter, slackwater	Etheostoma boschungii	T	493.04	
Fishes	darter, snail	Percina tanasi	T		
Fishes	darter, watercress	Etheostoma nuchale	E		
Fishes	gambusia, Big Bend	Gambusia gaigei	E		
Fishes	gambusia, Clear Creek	Gambusia heterochir	E		
Fishes	gambusia, Pecos	Gambusia nobilis	E		
Fishes	gambusia, San Marcos	Gambusia georgei	E		
Fishes	goby, tidewater	Eucyclogobius newberryi	E		
Fishes	logperch, Conasauga	Percina jenkinsi	E	493.04	
Fishes	logperch, Roanoke	Percina rex	E		
Fishes	madtom, Neosho	Noturus placidus	T		
Fishes	madtom, pygmy	Noturus stanauli	E		
Fishes	madtom, Scioto	Noturus trautmani	E		
Fishes	madtom, smoky	Noturus baileyi	E		
Fishes	madtom, yellowfin	Noturus flavipinnis	T		
Fishes	minnow, Devils River	Dionda diaboli	T		
Fishes	minnow, loach	Tiaroga cobitis	T		
Fishes	minnow, Rio Grande silvery	Hybognathus amarus	E	30000	
Fishes	pikeminnow, Colorado	Ptychocheilus lucius	E		
Fishes	poolfish, Pahump	Empetrichthys latos	E		
Fishes	pupfish, Ash Meadows Amargosa	Cyprinodon nevadensis mionectes	E		
Fishes	pupfish, Comanche Springs	Cyprinodon elegans	E		
Fishes	pupfish, desert	Cyprinodon macularius	E	859.92	
Fishes	pupfish, Devils Hole	Cyprinodon diabolis	E		
Fishes	pupfish, Leon Springs	Cyprinodon bovinus	E		
Fishes	pupfish, Owens	Cyprinodon radiosus	E		
Fishes	pupfish, Warm Springs	Cyprinodon nevadensis pectoralis	E		
Fishes	salmon, chinook	Oncorhynchus tshawytscha	E, T	52000	
Fishes	salmon, chum	Oncorhynchus keta	T		
Fishes	salmon, coho	Oncorhynchus kisutch	T	41500	
Fishes	salmon, sockeye	Oncorhynchus nerka	E, T	40000	
Fishes	sculpin, pygmy	Cottus pygmaeus	T		
Fishes	shiner, Arkansas River	Notropis girardi	T		

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Fishes	shiner, beautiful	Cyprinella formosa	T		
Fishes	shiner, blue	Cyprinella caerulea	T	493.04	
Fishes	shiner, Cahaba	Notropis cahabae	E	493.04	
Fishes	shiner, Cape Fear	Notropis mekistocholas	E		
Fishes	shiner, palezone	Notropis albizonatus	E		
Fishes	shiner, Pecos bluntnose	Notropis simus pecosensis	T		
Fishes	shiner, Topeka	Notropis topeka	E		
Fishes	silverside, Waccamaw	Menidia extensa	T		
Fishes	smelt, delta	Hypomesus transpacificus	T		
Fishes	spinedace	Meda fulgida	T		
Fishes	spinedace, Big Spring	Lepidomeda mollispinis pratensis	T		
Fishes	spinedace, Little Colorado	Lepidomeda vittata	T		
Fishes	spinedace, White River	Lepidomeda albivallis	E		
Fishes	splittail, Sacramento	Pogonichthys macrolepidotus	T		
Fishes	springfish, Hiko White River	Crenichthys baileyi grandis	E		
Fishes	springfish, Railroad Valley	Crenichthys nevadae	T		
Fishes	springfish, White River	Crenichthys baileyi baileyi	E		
Fishes	steelhead	Oncorhynchus mykiss	E, T	36000	
Fishes	stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E		
Fishes	sturgeon, Alabama	Scaphirhynchus suttkusi	E		
Fishes	sturgeon, Gulf	Acipenser oxyrinchus desotol	T	286.64	
Fishes	sturgeon, pallid	Scaphirhynchus albus	E		
Fishes	sturgeon, shortnose	Acipenser brevirostrum	E	2339.04	
Fishes	sturgeon, white	Acipenser transmontanus	E		
Fishes	sucker, June	Chasmistes liorus	E		
Fishes	sucker, Lost River	Deltistes luxatus	E		
Fishes	Sucker, Modoc	Catostomus microps	E		
Fishes	sucker, razorback	Xyrauchen texanus	E		
Fishes	sucker, Santa Ana	Catostomus santaanae	T		
Fishes	Sucker, shortnose	Chasmistes brevirostris	E		
Fishes	sucker, Warner	Catostomus warnerensis	T		
Fishes	topminnow, Gila	Poeciliopsis occidentalis	E		
Fishes	trout, Apache	Oncorhynchus apache	T		
Fishes	trout, bull	Salvelinus confluentus	T	3000	
Fishes	trout, Gila	Oncorhynchus gilae	E		
Fishes	trout, coastal cutthroat	Oncorhynchus clarki clarki	DR	35000	
Fishes	trout, greenback cutthroat	Oncorhynchus clarki stornias	T		
Fishes	trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T	859.92	
Fishes	trout, Little Kern golden	Oncorhynchus aguabonita whitei	T		
Fishes	trout, Paiute cutthroat	Oncorhynchus clarki seleniris	T		
Fishes	woundfin	Plagopterus argentissimus	E		
Clams	acornshell, southern	Epioblasma othcaloogensis	E	194.92	



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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Clams	bankclimber, purple	<i>Elliptoideus sloatianus</i>	T	676.48	
Clams	bean, Cumberland	<i>Villosa trabalis</i>	E		
Clams	bean, purple	<i>Villosa perpurpurea</i>	E		
Clams	blossom, green	<i>Epioblasma torulosa gubemaculum</i>	E		
Clams	blossom, tubercled	<i>Epioblasma torulosa torulosa</i>	E	779.68	
Clams	blossom, turgid	<i>Epioblasma turgidula</i>	E		
Clams	blossom, yellow	<i>Epioblasma florentina florentina</i>	E		
Clams	catspaw	<i>Epioblasma obliquata obliquata</i>	E	779.68	
Clams	catspaw, white	<i>Epioblasma obliquata perobliqua</i>	E		
Clams	clubshell	<i>Pleurobema clava</i>	E		
Clams	clubshell, black	<i>Pleurobema curtum</i>	E		
Clams	clubshell, ovate	<i>Pleurobema perovatum</i>	E		
Clams	clubshell, southern	<i>Pleurobema decisum</i>	E		
Clams	combshell, Cumberlandian	<i>Epioblasma brevidens</i>	E		
Clams	combshell, southern	<i>Epioblasma penita</i>	E		
Clams	combshell, upland	<i>Epioblasma metastrata</i>	E		
Clams	elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	E	97.46	
Clams	elktoe, Cumberland	<i>Alasmidonta atropurpurea</i>	E	389.84	
Clams	fanshell	<i>Cyprogenia stegaria</i>	E		
Clams	fatmucket, Arkansas	<i>Lampsilis powelli</i>	T		
Clams	heelsplitter, Alabama	<i>Potamilus inflatus</i>	T	779.68	
Clams	heelsplitter, Carolina	<i>Lasmigona decorata</i>	E	2465.2	
Clams	higgins eye	<i>Lampsilis higginsii</i>	E		
Clams	kidneyshell, triangular	<i>Ptychobranchus greeni</i>	E		
Clams	lampmussel, Alabama	<i>Lampsilis virescens</i>	E		
Clams	lilliput, pale	<i>Toxolasma cylindrellus</i>	E		
Clams	mapleleaf, winged	<i>Quadrula fragosa</i>	E	779.68	
Clams	moccasinshell, Alabama	<i>Medionidus acutissimus</i>	T	779.68	
Clams	moccasinshell, Coosa	<i>Medionidus parvulus</i>	E	389.84	
Clams	moccasinshell, Gulf	<i>Medionidus penicillatus</i>	E	779.68	
Clams	moccasinshell, Ochlockonee	<i>Medionidus simpsonianus</i>	E		
Clams	monkeyface, Appalachian	<i>Quadrula sparsa</i>	E		
Clams	monkeyface, Cumberland	<i>Quadrula intermedia</i>	E	779.68	
Clams	mucket, orangenacre	<i>Lampsilis perovalis</i>	T		
Clams	mucket, pink	<i>Lampsilis abrupta</i>	E	779.68	
Clams	mussel, oyster	<i>Epioblasma capsaeformis</i>	E	779.68	
Clams	pearlshell, Louisiana	<i>Margaritifera hembeli</i>	T		
Clams	pearlymussel, birdwing	<i>Conradilla caelata</i>	E		
Clams	pearlymussel, cracking	<i>Hemistena lata</i>	E	779.68	
Clams	pearlymussel, Curtis	<i>Epioblasma florentina curtisii</i>	E		
Clams	pearlymussel, dromedary	<i>Dromus dromas</i>	E	779.68	
Clams	pearlymussel, littlewing	<i>Pegias fabula</i>	E	779.68	

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Clams	pearlymussel, white wartyback	<i>Plethobasus cicatricosus</i>	E	779.68	
Clams	pigtoe, Cumberland	<i>Pleurobema gibberum</i>	E		
Clams	pigtoe, dark	<i>Pleurobema furvum</i>	E	779.68	
Clams	pigtoe, finereyed	<i>Fusconala cuneolus</i>	E		
Clams	pigtoe, flat	<i>Pleurobema marshalli</i>	E		
Clams	pigtoe, heavy	<i>Pleurobema taitianum</i>	E		
Clams	pigtoe, oval	<i>Pleurobema pyriforme</i>	E		
Clams	pigtoe, rough	<i>Pleurobema plenum</i>	E	779.68	
Clams	pigtoe, shiny	<i>Fusconala cor</i>	E		
Clams	pigtoe, southern	<i>Pleurobema georgianum</i>	E		
Clams	pimpleback, orangefoot	<i>Plethobasus cooperianus</i>	E	779.68	
Clams	pocketbook, fat	<i>Potamilus capax</i>	E	779.68	
Clams	pocketbook, finelined	<i>Lampsilis altilis</i>	T	779.68	
Clams	pocketbook, Ouachita rock	<i>Arkansia wheeleri</i>	E		
Clams	pocketbook, shinyrayed	<i>Lampsilis subangulata</i>	E		
Clams	pocketbook, speckled	<i>Lampsilis streckeri</i>	E		
Clams	rabbitsfoot, rough	<i>Quadrula cylindrica strigillata</i>	E	779.68	
Clams	riffleshell, northern	<i>Epioblasma torulosa rangiana</i>	E	779.68	
Clams	riffleshell, tan	<i>Epioblasma florentina walkeri</i>	E	779.68	
Clams	ring pink	<i>Obovaria retusa</i>	E	779.68	
Clams	slabshell, Chipola	<i>Elliptio chipolaensis</i>	T		
Clams	spiny mussel, James	<i>Pleurobema collina</i>	E		
Clams	spiny mussel, Tar River	<i>Elliptio steinstansana</i>	E		
Clams	stirrupshell	<i>Quadrula stapes</i>	E		
Clams	three-ridge, fat	<i>Amblema neisleri</i>	E		
Clams	wedgemussel, dwarf	<i>Alasmidonta heterodon</i>	E		
Snails	ambersnail, Kanab	<i>Oxyloma haydeni kanabensis</i>	E		
Snails	campeloma, slender	<i>Campeloma decampi</i>	E		
Snails	elimia, lacy	<i>Elimia crenatella</i>	T	676.48	
Snails	limpet, Banbury Springs	<i>Lanx sp.</i>	E		
Snails	lioplax, cylindrical	<i>Lioplax cyclostomaformis</i>	E	676.48	
Snails	marstonia, royal	<i>Pyrgulopsis ogmorhaphae</i>	E		
Snails	pebblesnail, flat	<i>Lepyrium showalteri</i>	E		
Snails	riversnail, Anthony's	<i>Athearnia anthonyi</i>	E		
Snails	rocksnail, painted	<i>Leptoxis taeniata</i>	T	194.92	
Snails	rocksnail, plicate	<i>Leptoxis plicata</i>	E	298.12	
Snails	rocksnail, round	<i>Leptoxis ampla</i>	T	298.12	
Snails	shagreen, Magazine Mountain	<i>Mesodon magazinensis</i>	T		
Snails	snail, armored	<i>Pyrgulopsis pachyta</i>	E		
Snails	snail, Bliss Rapids	<i>Taylorconcha serpenticola</i>	T		
Snails	snail, Chittenango ovate amber	<i>Succinea chittenangoensis</i>	T		
Snails	snail, flat-spined three-toothed	<i>Triodopsis platysayoides</i>	T		

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Snails	snail, Iowa Pleistocene	<i>Discus macclintocki</i>	E		
Snails	snail, Morro shoulderband	<i>Helminthoglypta walkeriana</i>	E		
Snails	snail, Newcomb's	<i>Erinna newcombi</i>	T		
Snails	snail, noonday	<i>Mesodon clarki nantahala</i>	T	97.46	
Snails	snail, painted snake coiled forest	<i>Anguispira picta</i>	T		
Snails	snail, Snake River physa	<i>Physa natricina</i>	E		
Snails	snail, Stock Island tree	<i>Orthalicus reses</i>	T		
Snails	snail, tulotoma	<i>Tulotoma magnifica</i>	E	389.84	
Snails	snail, Utah valvata	<i>Valvata utahensis</i>	E		
Snails	snail, Virginia fringed mountain	<i>Polygyriscus virginianus</i>	E		
Snails	snails, Oahu tree	<i>Achatinella</i> spp.	E		
Snails	springsnail, Alamosa	<i>Tryonia alamosae</i>	E		
Snails	springsnail, Bruneau Hot	<i>Pyrgulopsis bruneauensis</i>	E		
Snails	springsnail, Idaho	<i>Fontelicella idahoensis</i>	E		
Snails	springsnail, Socorro	<i>Pyrgulopsis neomexicana</i>	E		
Insects	beetle, American burying	<i>Nicrophorus americanus</i>	E		
Insects	beetle, Coffin Cave mold	<i>Batrisodes texanus</i>	E		
Insects	beetle, Comal Springs dryopid	<i>Stygoparnus comalensis</i>	E		
Insects	beetle, Comal Springs riffle	<i>Heterelmis comalensis</i>	E		
Insects	beetle, delta green ground	<i>Elaphrus viridis</i>	T		
Insects	beetle, Hungerford's crawling water	<i>Brychius hungerfordi</i>	E		
Insects	beetle, Kretschmarr Cave mold	<i>Texamaurops reddelli</i>	E		
Insects	beetle, Mount Hermon June	<i>Polyphylla barbata</i>	E		
Insects	beetle, Tooth Cave ground	<i>Rhadine persephone</i>	E		
Insects	beetle, valley elderberry longhorn	<i>Desmocerus californicus dimorphus</i>	T		
Insects	butterfly, bay checkerspot	<i>Euphydryas editha bayensis</i>	T		
Insects	butterfly, Behren's silverspot	<i>Speyeria zerene behrensil</i>	E		
Insects	butterfly, callippe silverspot	<i>Speyeria callippe callippe</i>	E		
Insects	butterfly, El Segundo blue	<i>Euphilotes battoides allyni</i>	E		
Insects	butterfly, Fender's blue	<i>Icaricia icarioides fenderi</i>	E		
Insects	butterfly, Karner blue	<i>Lycaeides melissa samuelis</i>	E		
Insects	butterfly, Lange's metalmark	<i>Apodemia mormo langei</i>	E		
Insects	butterfly, lotis blue	<i>Lycaeides argyrognomon lotis</i>	E		
Insects	butterfly, mission blue	<i>Icaricia icarioides missionensis</i>	E		
Insects	butterfly, Mitchell's satyr	<i>Neonympha mitchellii mitchellii</i>	E		
Insects	butterfly, Myrtle's silverspot	<i>Speyeria zerene myrtleae</i>	E		
Insects	butterfly, Oregon silverspot	<i>Speyeria zerene hippolyta</i>	T		
Insects	butterfly, Palos Verdes blue	<i>Glaucopsyche lygdamus palosverdesensis</i>	E		
Insects	butterfly, Quino checkerspot	<i>Euphydryas editha quino</i>	E		
Insects	butterfly, Saint Francis' satyr	<i>Neonympha mitchellii francisci</i>	E		
Insects	butterfly, San Bruno elfin	<i>Callophrys mossii bayensis</i>	E		
Insects	butterfly, Schaus swallowtail	<i>Heracles aristodemus ponceanus</i>	E		

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Insects	butterfly, Smith's blue	Euphilotes enoptes smithi	E		
Insects	butterfly, Uncompahgre fritillary	Boloria acrocneuma	E		
Insects	dragonfly, Hine's emerald	Somatochlora hineana	E	859.92	
Insects	fly, Delhi Sands flower-loving	Rhaphiomidas terminatus abdominalis	E		
Insects	grasshopper, Zayante band-winged	Trimerotropis infantilis	E		
Insects	moth, Blackburn's sphinx	Manduca blackburni	E		
Insects	moth, Kern primrose sphinx	Euproserpinus euterpe	T		
Insects	nauroid, Ash Meadows	Ambrysus amargosus	T		
Insects	skipper, Laguna Mountains	Pyrgus ruralis lagunae	E		
Insects	skipper, Pawnee montane	Hesperia leonardus montana	T		
Insects	tiger beetle, northeastern beach	Cicindela dorsalis dorsalis	T		
Insects	tiger beetle, Puritan	Cicindela puritana	T		
Arachnids	harvestman, Bee Creek Cave	Texella reddelli	E		
Arachnids	harvestman, Bone Cave	Texella reyesi	E		
Arachnids	pseudoscorpion, Tooth Cave	Tartarocreagris texana	E		
Arachnids	spider, Kauai cave wolf or pe'e pe'e maka 'ole	Adelocosa anops	E	859.92	
Arachnids	spider, spruce-fir moss	Microhexura montivaga	E		
Arachnids	spider, Tooth Cave	Neoleptoneta myopica	E		
Crustaceans	amphipod, Hay's Spring	Stygobromus hayi	E		
Crustaceans	amphipod, Illinois cave	Gammarus acherondytes	E		
Crustaceans	amphipod, Kauai cave	Spelaeorchestia koloana	E		
Crustaceans	amphipod, Peck's cave	Stygobromus pecki	E		
Crustaceans	crayfish, cave	Cambarus zophonastes	E		
Crustaceans	crayfish, cave	Cambarus aculabrum	E		
Crustaceans	crayfish, Nashville	Orconectes shoupi	E		
Crustaceans	crayfish, Shasta	Pacifastacus fortis	E		
Crustaceans	fairy shrimp, Conservancy	Branchinecta conservatio	E		
Crustaceans	fairy shrimp, longhorn	Branchinecta longiantenna	E		
Crustaceans	fairy shrimp, Riverside	Streptocephalus woottoni	E		
Crustaceans	fairy shrimp, San Diego	Branchinecta sandiegonensis	E		
Crustaceans	fairy shrimp, vernal pool	Branchinecta lynchi	T		
Crustaceans	isopod, Lee County cave	Lirceus usdagalun	E		
Crustaceans	isopod, Madison Cave	Antrolana lira	T		
Crustaceans	isopod, Socorro	Thermosphaeroma thermophilus	E		
Crustaceans	shrimp, Alabama cave	Palaemonias alabamae	E		
Crustaceans	shrimp, California freshwater	Syncaris pacifica	E		
Crustaceans	shrimp, Kentucky cave	Palaemonias ganteri	E		
Crustaceans	shrimp, Squirrel Chimney Cave	Palaemonetes cummingi	T		
Crustaceans	tadpole shrimp, vernal pool	Lepidurus packardii	E		
Flowering Plants	a'e	Zanthoxylum hawaiiense	E		
Flowering Plants	a'e	Zanthoxylum dipetalum tomentosum	E		
Flowering Plants	agave, Arizona	Agave arizonica	E		

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Flowering Plants	'alea	Nothoestrum breviflorum	E		
Flowering Plants	'alea	Nothoestrum peltatum	E		
Flowering Plants	'akoko	Euphorbia haeleeleana	E		
Flowering Plants	'akoko	Chamaesyce rockii	E		
Flowering Plants	'akoko	Chamaesyce herbstii	E		
Flowering Plants	'akoko	Chamaesyce kuwaleana	E		
Flowering Plants	'akoko	Chamaesyce celastroides kaenana	E		
Flowering Plants	'akoko	Chamaesyce halemanui	E		
Flowering Plants	'akoko	Chamaesyce deppeana	E		
Flowering Plants	'akoko, Ewa Plains	Chamaesyce skottsbergii kalaeloana	E		
Flowering Plants	alani	Melicope saint-johnii	E		
Flowering Plants	alani	Melicope ovalis	E		
Flowering Plants	alani	Melicope adscendens	E		
Flowering Plants	alani	Melicope zahlbruckneri	E		
Flowering Plants	alani	Melicope reflexa	E		
Flowering Plants	alani	Melicope quadrangularis	E		
Flowering Plants	alani	Melicope pallida	E		
Flowering Plants	alani	Melicope munroi	E		
Flowering Plants	alani	Melicope balloui	E		
Flowering Plants	alani	Melicope knudsenii	E		
Flowering Plants	alani	Melicope tydgatei	E		
Flowering Plants	alani	Melicope mucronulata	E		
Flowering Plants	alani	Melicope haupuensis	E		
Flowering Plants	allocarya, Calistoga	Plagiobothrys strictus	E		
Flowering Plants	alopecurus, Sonoma	Alopecurus aequalis sonomensis	E		
Flowering Plants	amaranth, seabeach	Amaranthus pumilus	T		
Flowering Plants	ambrosia, south Texas	Ambrosia cheiranthifolia	E		
Flowering Plants	amole, purple	Chlorogalum purpureum	T		
Flowering Plants	amphianthus, little	Amphianthus pusillus	T	1479.12	
Flowering Plants	'anaunau	Lepidium arbuscula	E		
Flowering Plants	'anunu	Sicyos alba	E		
Flowering Plants	arrowhead, bunched	Sagittaria fasciculata	E	905.84	
Flowering Plants	aster, decurrent false	Boltonia decurrens	T		
Flowering Plants	aster, Florida golden	Chrysopsis floridana	E		
Flowering Plants	aster, Ruth's golden	Pityopsis ruthii	E		
Flowering Plants	aupaka	Isodendrion laurifolium	E		
Flowering Plants	aupaka	Isodendrion longifolium	T		
Flowering Plants	aupaka	Isodendrion hosakae	E		
Flowering Plants	avens, spreading	Geum radiatum	E		
Flowering Plants	'awikiwiki	Canavalia molokalensis	E		
Flowering Plants	awiwi	Hedyotis cookiana	E		
Flowering Plants	awiwi	Centaurium sebaeoides	E		

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Flowering Plants	ayenia, Texas	Ayenia limitaris	E		
Flowering Plants	Baccharis, Encinitas	Baccharis vanessae	T		
Flowering Plants	barberry, island	Berberis pinnata insularis	E		
Flowering Plants	barberry, Nevin's	Berberis nevinii	E		
Flowering Plants	barberry, Truckee	Berberis sonnei	E		
Flowering Plants	bariaco	Trichilia triacantha	E		
Flowering Plants	beaked-rush, Knieskern's	Rhynchospora knieskernii	T		
Flowering Plants	bear-poppy, dwarf	Arctomecon humilis	E		
Flowering Plants	beardtongue, Penland	Penstemon penlandii	E		
Flowering Plants	beargrass, Britton's	Nolina brittoniana	E		
Flowering Plants	beauty, Harper's	Harperocallis flava	E		
Flowering Plants	bedstraw, El Dorado	Galium californicum sierrae	E		
Flowering Plants	bedstraw, island	Galium buxifolium	E		
Flowering Plants	bellflower, Brooksville	Campanula robinsoniae	E		
Flowering Plants	birch, Virginia round-leaf	Betula uber	T		
Flowering Plants	bird's beak, palmate-bracted	Cordylanthus palmatus	E		
Flowering Plants	bird's-beak, Pennell's	Cordylanthus tenuis capillaris	E		
Flowering Plants	bird's-beak, salt marsh	Cordylanthus maritimus maritimus	E		
Flowering Plants	bird's-beak, soft	Cordylanthus mollis mollis	E		
Flowering Plants	birds-in-a-nest, white	Macbridea alba	T		
Flowering Plants	bittercress, small-anthered	Cardamine micranthera	E		
Flowering Plants	bladderpod, Dudley Bluffs	Lesquerella congesta	T		
Flowering Plants	bladderpod, kodachrome	Lesquerella tumulosa	E		
Flowering Plants	bladderpod, lyrate	Lesquerella lyrata	T		
Flowering Plants	bladderpod, Missouri	Lesquerella filiformis	E		
Flowering Plants	bladderpod, San Bernardino Mountains	Lesquerella kingii bernardina	E		
Flowering Plants	bladderpod, Spring Creek	Lesquerella perforata	E		
Flowering Plants	bladderpod, white	Lesquerella pallida	E		
Flowering Plants	bladderpod, Zapata	Lesquerella thamnophila	E		
Flowering Plants	blazingstar, Ash Meadows	Mentzelia leucophylla	T		
Flowering Plants	blazingstar, Heller's	Liatris helleri	T		
Flowering Plants	blazingstar, scrub	Liatris ohlingerae	E		
Flowering Plants	blue-star, Kearney's	Amsonia kearneyana	E		
Flowering Plants	bluecurls, Hidden Lake	Trichostema austromontanum compactum	T		
Flowering Plants	bluegrass, Hawaiian	Poa sandwicensis	E		
Flowering Plants	bluegrass, Mann's	Poa mannii	E		
Flowering Plants	bluegrass, Napa	Poa napensis	E		
Flowering Plants	bluegrass, San Bernardino	Poa atropurpurea	E		
Flowering Plants	bluet, Roan Mountain	Hedyotis purpurea montana	E		
Flowering Plants	bonamia, Florida	Bonamia grandiflora	T		
Flowering Plants	boxwood, Vahl's	Buxus vahlii	E		
Flowering Plants	brodiaea, Chinese Camp	Brodiaea pallida	T		

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Flowering Plants	brodiaea, thread-leaved	<i>Brodiaea filifolia</i>	T		
Flowering Plants	broom, San Clemente Island	<i>Lotus dendroideus traskiae</i>	E		
Flowering Plants	buckwheat, cushionbury	<i>Eriogonum ovalifolium vineum</i>	E		
Flowering Plants	buckwheat, lone	<i>Eriogonum apricum</i>	E		
Flowering Plants	buckwheat, scrub	<i>Eriogonum longifolium gnaphalifolium</i>	T		
Flowering Plants	buckwheat, steamboat	<i>Eriogonum ovalifolium williamsiae</i>	E		
Flowering Plants	bulrush, Northeastern	<i>Scirpus ancistrochaetus</i>	E		
Flowering Plants	bush-clover, prairie	<i>Lespedeza leptostachya</i>	T		
Flowering Plants	bush-mallow, San Clemente Island	<i>Malacothamnus clementinus</i>	E		
Flowering Plants	bush-mallow, Santa Cruz Island	<i>Malacothamnus fasciculatus nesioticus</i>	E		
Flowering Plants	buttercup, autumn	<i>Ranunculus acrifolius aestivalis</i>	E		
Flowering Plants	butterweed, Layne's	<i>Senecio layneae</i>	T		
Flowering Plants	butterwort, Godfrey's	<i>Pinguicula ionantha</i>	T		
Flowering Plants	button, Mohr's Barbara	<i>Marshallia mohrii</i>	T		
Flowering Plants	button-celery, San Diego	<i>Eryngium aristulatum parishii</i>	E		
Flowering Plants	cactus, Arizona hedgehog	<i>Echinocereus triglochidiatus arizonicus</i>	E		
Flowering Plants	cactus, Bakersfield	<i>Opuntia treleasei</i>	E		
Flowering Plants	cactus, black lace	<i>Echinocereus reichenbachii albertii</i>	E		
Flowering Plants	cactus, Brady pincushion	<i>Pediocactus bradyi</i>	E		
Flowering Plants	cactus, Chisos Mtn. hedgehog	<i>Echinocereus chisoensis chisoensis</i>	T		
Flowering Plants	cactus, Cochise pincushion	<i>Coryphantha robbinsorum</i>	T		
Flowering Plants	cactus, Key tree	<i>Pilosocereus robinii</i>	E		
Flowering Plants	cactus, Knowlton	<i>Pediocactus knowltonii</i>	E		
Flowering Plants	cactus, Kuenzler hedgehog	<i>Echinocereus fendleri kuenzleri</i>	E		
Flowering Plants	cactus, Lee pincushion	<i>Coryphantha sneedii leel</i>	T		
Flowering Plants	cactus, Lloyd's Mariposa	<i>Echinomastus mariposensis</i>	T		
Flowering Plants	cactus, Mesa Verde	<i>Sclerocactus mesae-verdae</i>	T		
Flowering Plants	cactus, Nellie cory	<i>Coryphantha minima</i>	E		
Flowering Plants	cactus, Nichol's Turk's head	<i>Echinocactus horizontalis nicholii</i>	E		
Flowering Plants	cactus, Peebles Navajo	<i>Pediocactus peeblesianus peeblesianus</i>	E		
Flowering Plants	cactus, Pima pineapple	<i>Coryphantha scheeri robustispina</i>	E		
Flowering Plants	cactus, San Rafael	<i>Pediocactus despainii</i>	E		
Flowering Plants	cactus, Siler pincushion	<i>Pediocactus sileri</i>	T		
Flowering Plants	cactus, Sneed pincushion	<i>Coryphantha sneedii sneedii</i>	E		
Flowering Plants	cactus, star	<i>Astrophytum asterias</i>	E		
Flowering Plants	cactus, Tobusch fishhook	<i>Ancistrocactus tobuschii</i>	E		
Flowering Plants	cactus, Unita Basin hookless	<i>Sclerocactus glaucus</i>	T		
Flowering Plants	cactus, Winkler	<i>Pediocactus winkleri</i>	T		
Flowering Plants	cactus, Wright fishhook	<i>Sclerocactus wrightiae</i>	E		
Flowering Plants	camplon, fringed	<i>Silene polypetala</i>	E		
Flowering Plants	capa rosa	<i>Callicarpa ampla</i>	E		
Flowering Plants	cal's-eye, Terlingua Creek	<i>Cryptantha crassipes</i>	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	ceanothus, coyote	Ceanothus ferrisae	E		
Flowering Plants	ceanothus, Pine Hill	Ceanothus roderickii	E		
Flowering Plants	ceanothus, Vail Lake	Ceanothus ophlochilus	T		
Flowering Plants	centaury, spring-loving	Centaurium namophilum	T		
Flowering Plants	chaff-flower, round-leaved	Achyranthes splendens rotundata	E		
Flowering Plants	chaffseed, American	Schwalbea americana	E		
Flowering Plants	Checker-mallow, Keck's	Sidalcea keckii	E		
Flowering Plants	checker-mallow, Kenwood Marsh	Sidalcea oregana valida	E		
Flowering Plants	checker-mallow, Nelson's	Sidalcea nelsoniana	T		
Flowering Plants	checker-mallow, pedate	Sidalcea pedata	E		
Flowering Plants	checkermallow, Wenatchee Mountains	Sidalcea oregana calva	E		
Flowering Plants	chupacallos	Pleodendron macranthum	E		
Flowering Plants	cinquefoil, Robbins'	Potentilla robbinsiana	E		
Flowering Plants	clarkia, Pismo	Clarkia speciosa immaculata	E		
Flowering Plants	clarkia, Presidio	Clarkia franciscana	E		
Flowering Plants	clarkia, Springville	Clarkia springvillensis	T		
Flowering Plants	clarkia, Vine Hill	Clarkia imbricata	E		
Flowering Plants	cliff-rose, Arizona	Purshia subintegra	E		
Flowering Plants	clover, Monterey	Trifolium trichocalyx	E		
Flowering Plants	clover, running buffalo	Trifolium stoloniferum	E		
Flowering Plants	clover, showy Indian	Trifolium amoenum	E		
Flowering Plants	cobana negra	Stahlia monosperma	T		
Flowering Plants	coneflower, smooth	Echinacea laevigata	E		
Flowering Plants	coneflower, Tennessee purple	Echinacea tennesseensis	E		
Flowering Plants	cory cactus, bunched	Coryphantha ramillosa	T		
Flowering Plants	cress, toad-flax	Schoenocrambe suffrutescens	E		
Flowering Plants	crownbeard, big-leaved	Verbesina dissita	T		
Flowering Plants	crownscale, San Jacinto Valley	Atriplex coronata notatior	E		
Flowering Plants	cycladenia, Jones	Cycladenia humilis jonesii	T		
Flowering Plants	daisy, lakeside	Hymenoxys herbacea	T		
Flowering Plants	daisy, Maguire	Erigeron maguirei	T		
Flowering Plants	daisy, Parish's	Erigeron parishii	T		
Flowering Plants	daisy, Willamette	Erigeron decumbens decumbens	E		
Flowering Plants	dawn-flower, Texas prairie	Hymenoxys texana	E		
Flowering Plants	dogweed, ashy	Thymophylla tephroleuca	E		
Flowering Plants	dropwort, Canby's	Oxypolis canbyi	E	905.84	
Flowering Plants	dudleya, Conejo	Dudleya abramsii parva	T		
Flowering Plants	dudleya, marcescent	Dudleya cymosa marcescens	T		
Flowering Plants	dudleya, Santa Clara Valley	Dudleya setchellii	E		
Flowering Plants	dudleya, Santa Cruz Island	Dudleya nesiotica	T		
Flowering Plants	dudleya, Verity's	Dudleya verityi	T		
Flowering Plants	dudleyea, Santa Monica Mountains	Dudleya cymosa ovatifolia	T		



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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	dwarf-flax, Marin	Hesperolinon congestum	T		
Flowering Plants	erubia	Solanum dryophilum	E		
Flowering Plants	evening-primrose, Antioch Dunes	Oenothera deltoides howellii	E		
Flowering Plants	evening-primrose, Eureka Valley	Oenothera avita eurekaensis	E		
Flowering Plants	evening-primrose, San Benito	Camissonia benitensis	T		
Flowering Plants	fiddleneck, large-flowered	Amsinckia grandiflora	E		
Flowering Plants	flannelbush, Mexican	Fremontodendron mexicanum	E		
Flowering Plants	flannelbush, Pine Hill	Fremontodendron californicum decumbens	E		
Flowering Plants	fleabane, Zuni	Erigeron rhizomatus	T		
Flowering Plants	four-o'clock, MacFarlane's	Mirabilis macfarlanei	T		
Flowering Plants	frankenian, Johnston's	Frankenia johnstonii	E		
Flowering Plants	fringe-tree, pygmy	Chionanthus pygmaeus	E		
Flowering Plants	fringepod, Santa Cruz Island	Thysanocarpus conchuliferus	E		
Flowering Plants	Fritillary, Gentner's	Fritillaria gentneri	E		
Flowering Plants	gardenia, Hawaiian	Gardenia brighamii	E		
Flowering Plants	geranium, Hawaiian red-flowered	Geranium arboreum	E		
Flowering Plants	gerardia, sandplain	Agalinis acuta	E		
Flowering Plants	gilia, Hoffmann's slender-flowered	Gilia tenuiflora hoffmannii	E		
Flowering Plants	gilia, Monterey	Gilia tenuiflora arenaria	E		
Flowering Plants	goetzea, beautiful	Goetzea elegans	E		
Flowering Plants	goldenrod, Blue Ridge	Solidago spithamaea	T		
Flowering Plants	goldenrod, Houghton's	Solidago houghtonii	T		
Flowering Plants	goldenrod, Short's	Solidago shortii	E		
Flowering Plants	goldenrod, white-haired	Solidago albopilosa	T		
Flowering Plants	goldfields, Burke's	Lasthenia burkei	E		
Flowering Plants	goldfields, Contra Costa	Lasthenia conjugens	E		
Flowering Plants	gooseberry, Miccosukee	Ribes echinellum	T		
Flowering Plants	gourd, Okeechobee	Cucurbita okeechobeensis okeechobeensis	E		
Flowering Plants	grass, California Orcutt	Orcuttia californica	E		
Flowering Plants	grass, Colusa	Neostapfia colusana	T		
Flowering Plants	grass, Eureka Dune	Swallenia alexandrae	E		
Flowering Plants	grass, Solano	Tuctoria mucronata	E		
Flowering Plants	grass, Tennessee yellow-eyed	Xyris tennesseensis	E		
Flowering Plants	ground-plum, Pyne's	Astragalus bibullatus	E		
Flowering Plants	groundsel, San Francisco Peaks	Senecio franciscanus	T		
Flowering Plants	gumplant, Ash Meadows	Grindelia fraxino-pratensis	T		
Flowering Plants	haha	Cyanea humboldtiana	E		
Flowering Plants	haha	Cyanea crispa	E		
Flowering Plants	haha	Cyanea grimesiana grimesiana	E		
Flowering Plants	haha	Cyanea shipmannii	E		
Flowering Plants	haha	Cyanea superba	E		
Flowering Plants	haha	Cyanea st-johnii	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	haha	Cyanea mceldowneyi	E		
Flowering Plants	haha	Cyanea undulata	E		
Flowering Plants	haha	Cyanea truncata	E		
Flowering Plants	haha	Cyanea recta	T		
Flowering Plants	haha	Cyanea procera	E		
Flowering Plants	haha	Cyanea mannii	E		
Flowering Plants	haha	Cyanea glabra	E		
Flowering Plants	haha	Cyanea dunbarii	E		
Flowering Plants	haha	Cyanea copelandii copelandii	E		
Flowering Plants	haha	Cyanea asarifolia	E		
Flowering Plants	haha	Cyanea hamatiflora hamatiflora	E		
Flowering Plants	haha	Cyanea copelandii haleakalaensis	E		
Flowering Plants	haha	Cyanea longiflora	E		
Flowering Plants	haha	Cyanea koolauensis	E		
Flowering Plants	haha	Cyanea remyi	E		
Flowering Plants	haha	Cyanea acuminata	E		
Flowering Plants	haha	Cyanea macrostegia gibsonii	E		
Flowering Plants	haha	Cyanea lobata	E		
Flowering Plants	haha	Cyanea hamatiflora carlsonii	E		
Flowering Plants	haha	Cyanea grimesiana obatae	E		
Flowering Plants	haha	Cyanea stictophylla	E		
Flowering Plants	haha	Cyanea platyphylla	E		
Flowering Plants	haha	Cyanea pinnatifida	E		
Flowering Plants	ha'iwale	Cyrtandra dentata	E		
Flowering Plants	ha'iwale	Cyrtandra viridiflora	E		
Flowering Plants	ha'iwale	Cyrtandra tintinnabula	E		
Flowering Plants	ha'iwale	Cyrtandra limahuliensis	T		
Flowering Plants	ha'iwale	Cyrtandra giffardii	E		
Flowering Plants	ha'iwale	Cyrtandra munroi	E		
Flowering Plants	ha'iwale	Cyrtandra crenata	E		
Flowering Plants	ha'iwale	Cyrtandra polyantha	E		
Flowering Plants	ha'iwale	Cyrtandra subumbellata	E		
Flowering Plants	hala pepe	Pleomele hawaiiensis	E		
Flowering Plants	harebells, Avon Park	Crotalaria avonensis	E		
Flowering Plants	harperella	Ptilimnium nodosum	E	905.84	
Flowering Plants	hau kuahiwi	Hibiscadelphus giffardianus	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus hualalaiensis	E		
Flowering Plants	hau kuahiwi	Hibiscadelphus woodii	E		
Flowering Plants	heartleaf, dwarf-flowered	Hexastylis naniflora	T		
Flowering Plants	heather, mountain golden	Hudsonia montana	T		
Flowering Plants	heau	Exocarpos luteolus	E		
Flowering Plants	hedyotis, Na Pali beach	Hedyotis st.-johnii	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	hibiscus, Clay's	Hibiscus clayi	E		
Flowering Plants	higo, chumbo	Harrisia portoricensis	T		
Flowering Plants	higuero de sierra	Crescentia portoricensis	E		
Flowering Plants	holei	Ochrosia kilaueaensis	E		
Flowering Plants	holly, Cook's	Ilex cookii	E		
Flowering Plants	Honohono	Haplostachys haplostachya	E		
Flowering Plants	howellia, water	Howellia aquatilis	T	49000	
Flowering Plants	hypericum, highlands scrub	Hypericum cumulicola	E		
Flowering Plants	iliau, dwarf	Wilkesia hobbeyi	E		
Flowering Plants	indian paintbrush, San Clemente Island	Castilleja grisea	E		
Flowering Plants	ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E		
Flowering Plants	Iris, dwarf lake	Iris lacustris	T		
Flowering Plants	irisette, white	Sisyrinchium dichotomum	E		
Flowering Plants	ischaemum, Hilo	Ischaemum byrone	E		
Flowering Plants	ivesia, Ash Meadows	Ivesia kingii eremica	T		
Flowering Plants	jacquemontia, beach	Jacquemontia reclinata	E		
Flowering Plants	jewelflower, California	Caulanthus californicus	E		
Flowering Plants	jewelflower, Metcalf Canyon	Streptanthus albidus albidus	E		
Flowering Plants	jewelflower, Tiburon	Streptanthus niger	E		
Flowering Plants	joint-vetch, sensitive	Aeschynomene virginica	T		
Flowering Plants	kamakahala	Labordia triflora	E		
Flowering Plants	kamakahala	Labordia tinifolia wahiawaensis	E		
Flowering Plants	kamakahala	Labordia tinifolia lanaiensis	E		
Flowering Plants	kamakahala	Labordia lydgatei	E		
Flowering Plants	kamakahala	Labordia cyrtandrae	E		
Flowering Plants	kauai hau kuahiwi	Hibiscadelphus distans	E		
Flowering Plants	kauila	Colubrina oppositifolia	E		
Flowering Plants	kaulu	Pteralyxia kauaiensis	E		
Flowering Plants	kio'ele	Hedyotis coriacea	E		
Flowering Plants	kiponapona	Phyllostegia racemosa	E		
Flowering Plants	kohe malama malama o kanaloa	Kanaloa kahoolawensis	E		
Flowering Plants	koki'o	Kokia drynarioides	E		
Flowering Plants	koki'o ke'oke'o	Hibiscus walmeae hannerae	E		
Flowering Plants	koki'o ke'oke'o	Hibiscus amottianus immaculatus	E		
Flowering Plants	koki'o, (=Cooke's koki'o)	Kokia cookei	E		
Flowering Plants	koki'o, (=Kaua'i koki'o)	Kokia kauaiensis	E		
Flowering Plants	kolea	Myrsine linearifolia	T		
Flowering Plants	kolea	Myrsine juddii	E		
Flowering Plants	ko'oko'olau	Bidens micrantha kalealaha	E		
Flowering Plants	ko'oko'olau	Bidens wiebkei	E		
Flowering Plants	ko'oloa'ula	Abutilon menziesii	E		
Flowering Plants	Kopa	Hedyotis schlechtendahliana remyi	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	kuahiwi laukahi	Plantago princeps	E		
Flowering Plants	kuahiwi laukahi	Plantago hawalensis	E		
Flowering Plants	kuawawaenohu	Alsinidendron lychnoides	E		
Flowering Plants	kula wahine noho	Isodendron pyrifolium	E		
Flowering Plants	kulu'i	Nototrichium humile	E		
Flowering Plants	ladies'-tresses, Canelo Hills	Spiranthes delitescens	E		
Flowering Plants	ladies'-tresses, Navasota	Spiranthes parksii	E		
Flowering Plants	ladies'-tresses, Ute	Spiranthes diluvialis	T	1600	
Flowering Plants	Lagu, Hyan	Serianthes nelsonii	E		
Flowering Plants	larkspur, Baker's	Delphinium bakeri	E		
Flowering Plants	larkspur, San Clemente Island	Delphinium variegatum kinkiense	E		
Flowering Plants	larkspur, yellow	Delphinium luteum	E		
Flowering Plants	lau`ehu	Panicum niuhauense	E		
Flowering Plants	lauhilihi, (=Ma'oli'oli)	Schiedea stellaroides	E		
Flowering Plants	layia, beach	Layia camosa	E		
Flowering Plants	lead-plant, Crenulate	Amorpha crenulata	E		
Flowering Plants	leather flower, Alabama	Clematis socialis	E		
Flowering Plants	leather flower, Morefield's	Clematis morefieldii	E		
Flowering Plants	lessingia, San Francisco	Lessingia germanorum	E		
Flowering Plants	liliwai	Acaena exigua	E		
Flowering Plants	lily, Minnesota dwarf trout	Erythronium propullans	E		
Flowering Plants	lily, Pitkin Marsh	Lilium pardalinum pitknense	E		
Flowering Plants	lily, Western	Lilium occidentale	E		
Flowering Plants	liveforever, Laguna Beach	Dudleya stolonifera	T		
Flowering Plants	liveforever, Santa Barbara Island	Dudleya traskiae	E		
Flowering Plants	locoweed, Fassett's	Oxytropis campestris chartacea	T		
Flowering Plants	lomatium, Bradshaw's	Lomatium bradshawii	E		
Flowering Plants	loosestrife, rough-leaved	Lysimachia asperulaefolia	E	905.84	
Flowering Plants	lo'ulu	Pritchardia remota	E		
Flowering Plants	lo'ulu	Pritchardia kaalae	E		
Flowering Plants	lo'ulu	Pritchardia munroi	E		
Flowering Plants	lo'ulu	Pritchardia schattaueri	E		
Flowering Plants	lo'ulu	Pritchardia affinis	E		
Flowering Plants	lo'ulu	Pritchardia viscosa	E		
Flowering Plants	lo'ulu	Pritchardia napaliensis	E		
Flowering Plants	lo'ulu, (=wahane)	Pritchardia aylmer-robinsonii	E		
Flowering Plants	lousewort, Furbish	Pedicularis furbishiae	E		
Flowering Plants	love grass, Fosberg's	Eragrostis fosbergii	E		
Flowering Plants	lupine, clover	Lupinus tidestromii	E		
Flowering Plants	Lupine, Kincaid's	Lupinus sulphureus kincaidii	T		
Flowering Plants	lupine, Nipomo Mesa	Lupinus nipomensis	E		
Flowering Plants	lupine, scrub	Lupinus aridorum	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	mahoe	Alectryon macrococcus	E		
Flowering Plants	makou	Peucedanum sandwicense	T		
Flowering Plants	malacothrix, Island	Malacothrix squalida	E		
Flowering Plants	Malacothrix, Santa Cruz Island	Malacothrix indecora	E		
Flowering Plants	mallow, Kern	Eremalche kemensis	E		
Flowering Plants	mallow, Peter's Mountain	Iliamna corei	E		
Flowering Plants	manaca, palma de	Calyptronoma rivalis	T		
Flowering Plants	manioc, Walker's	Manihot walkerae	E		
Flowering Plants	manzanita, Del Mar	Arctostaphylos glandulosa crassifolia	E		
Flowering Plants	manzanita, lone	Arctostaphylos myrtifolia	T		
Flowering Plants	manzanita, Morro	Arctostaphylos morroensis	T		
Flowering Plants	manzanita, pallid	Arctostaphylos pallida	T		
Flowering Plants	Manzanita, Presidio	Arctostaphylos hookeri ravenii	E		
Flowering Plants	manzanita, Santa Rosa Island	Arctostaphylos confertiflora	E		
Flowering Plants	ma'o hau hele, (=native yellow hibiscus)	Hibiscus brackenridgel	E		
Flowering Plants	ma'oli'oli	Schiedea kealiae	E		
Flowering Plants	ma'oli'oli	Schiedea apokremnos	E		
Flowering Plants	mapele	Cyrtandra cyaneoides	E		
Flowering Plants	mariposa lily, Tiburon	Calochortus tiburonensis	T		
Flowering Plants	maua	Xylosma crenatum	E		
Flowering Plants	meadowfoam, Butte County	Limnanthes floccosa californica	E		
Flowering Plants	meadowfoam, Sebastopol	Limnanthes vinculans	E		
Flowering Plants	meadowrue, Cooley's	Thalictrum cooleyi	E		
Flowering Plants	mehamehame	Flueggea neowawraea	E		
Flowering Plants	mesa-mint, Otay	Pogogyne nudiuscula	E		
Flowering Plants	mesa-mint, San Diego	Pogogyne abramsii	E		
Flowering Plants	milk-vetch, Applegate's	Astragalus applegatei	E		
Flowering Plants	milk-vetch, Ash meadows	Astragalus phoenix	T		
Flowering Plants	milk-vetch, Braunton's	Astragalus brauntonii	E		
Flowering Plants	milk-vetch, Clara Hunt's	Astragalus clarianus	E		
Flowering Plants	milk-vetch, Coachella Valley	Astragalus lentiginosus coachellae	E		
Flowering Plants	milk-vetch, coastal dunes	Astragalus tener titi	E		
Flowering Plants	milk-vetch, Cushenbury	Astragalus albens	E		
Flowering Plants	milk-vetch, Deseret	Astragalus desereticus	T		
Flowering Plants	milk-vetch, Fish Slough	Astragalus lentiginosus piscinensis	T		
Flowering Plants	milk-vetch, heliotrope	Astragalus montii	T		
Flowering Plants	milk-vetch, Jesup's	Astragalus robbinsii jesupi	E		
Flowering Plants	milk-vetch, Lane Mountain	Astragalus jaegerianus	E		
Flowering Plants	milk-vetch, Mancos	Astragalus humillimus	E		
Flowering Plants	milk-vetch, Osterhout	Astragalus osterhoutii	E		
Flowering Plants	milk-vetch, Peirson's	Astragalus magdalenae peirsonii	T		
Flowering Plants	milk-vetch, Sentry	Astragalus cremnophylax cremnophylax	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	milk-vetch, triple-ribbed	<i>Astragalus tricarlinatus</i>	E		
Flowering Plants	milkpea, Small's	<i>Galactia smallii</i>	E		
Flowering Plants	milkweed, Mead's	<i>Asclepias meadii</i>	T		
Flowering Plants	milkweed, Welsh's	<i>Asclepias welshii</i>	T		
Flowering Plants	mint, Garrett's	<i>Dicerandra christmanii</i>	E		
Flowering Plants	mint, Lakela's	<i>Dicerandra immaculata</i>	E		
Flowering Plants	mint, longspurred	<i>Dicerandra cornutissima</i>	E		
Flowering Plants	mint, scrub	<i>Dicerandra frutescens</i>	E		
Flowering Plants	monardella, willow	<i>Monardella linoides viminea</i>	E		
Flowering Plants	monkey-flower, Michigan	<i>Mimulus glabratus michiganensis</i>	E		
Flowering Plants	monkshood, northern wild	<i>Aconitum noveboracense</i>	T		
Flowering Plants	morning-glory, Stebbins'	<i>Calystegia stebbinsii</i>	E		
Flowering Plants	mountain balm, Indian Knob	<i>Eriodictyon altissimum</i>	E		
Flowering Plants	mountain-mahogany, Catalina Island	<i>Cercocarpus traskiae</i>	E		
Flowering Plants	mustard, Carter's	<i>Warea carteri</i>	E		
Flowering Plants	mustard, Penland alpine fen	<i>Eutrema penlandii</i>	T		
Flowering Plants	mustard, slender-petaled	<i>Thelypodium stenopetalum</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia latifolia</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia plantaginea humilis</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia pauciflora</i>	E		
Flowering Plants	na'ena'e	<i>Dubautia herbstobatae</i>	E		
Flowering Plants	nani wai'ale'ale	<i>Viola kauaiensis wahlawaensis</i>	E		
Flowering Plants	nanu	<i>Gardenia mannii</i>	E		
Flowering Plants	naupaka, dwarf	<i>Scaevola coriacea</i>	E		
Flowering Plants	navarretia, few-flowered	<i>Navarretia leucocephala pauciflora</i>	E		
Flowering Plants	navarretia, many-flowered	<i>Navarretia leucocephala plieantha</i>	E		
Flowering Plants	navarretia, spreading	<i>Navarretia fossalis</i>	T		
Flowering Plants	nehe	<i>Lipochaeta fauriei</i>	E		
Flowering Plants	nehe	<i>Lipochaeta lobata leptophylla</i>	E		
Flowering Plants	nehe	<i>Lipochaeta kamolensis</i>	E		
Flowering Plants	nehe	<i>Lipochaeta waimeaensis</i>	E		
Flowering Plants	nehe	<i>Lipochaeta tenuifolia</i>	E		
Flowering Plants	nehe	<i>Lipochaeta micrantha</i>	E		
Flowering Plants	nehe	<i>Lipochaeta venosa</i>	E		
Flowering Plants	nioi	<i>Eugenia koolauensis</i>	E		
Flowering Plants	niterwort, Amargosa	<i>Nitrophila mohavensis</i>	E		
Flowering Plants	No common name	<i>Achyranthes mutica</i>	E		
Flowering Plants	No common name	<i>Lobelia gaudichaudii koolauensis</i>	E		
Flowering Plants	No common name	<i>Phyllostegia hirsuta</i>	E		
Flowering Plants	No common name	<i>Phyllostegia knudsenii</i>	E		
Flowering Plants	No common name	<i>Neraudia ovata</i>	E		
Flowering Plants	No common name	<i>Amaranthus brownii</i>	E		

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Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Phyllostegia parviflora	E		
Flowering Plants	No common name	Schiedea hookeri	E		
Flowering Plants	No common name	Bonamia menziesii	E		
Flowering Plants	No common name	Alsinidendron trinerve	E		
Flowering Plants	No common name	Alsinidendron obovatum	E		
Flowering Plants	No common name	Abutilon sandwicense	E		
Flowering Plants	No common name	Abutilon eremitopetalum	E		
Flowering Plants	No common name	Schiedea verticillata	E		
Flowering Plants	No common name	Schiedea sarmentosa	E		
Flowering Plants	No common name	Schiedea membranacea	E		
Flowering Plants	No common name	Tetramolopium arenarium	E		
Flowering Plants	No common name	Stenogyne kanehoana	E		
Flowering Plants	No common name	Stenogyne angustifolia angustifolia	E		
Flowering Plants	No common name	Silene lanceolata	E		
Flowering Plants	No common name	Silene alexandri	E		
Flowering Plants	No common name	Schiedea kaalae	E		
Flowering Plants	No common name	Remya kauaiensis	E		
Flowering Plants	No common name	Phyllostegia glabra lanalensis	E		
Flowering Plants	No common name	Lobelia niuhauensis	E		
Flowering Plants	No common name	Hesperomannia lydgatei	E		
Flowering Plants	No common name	Hesperomannia arbuscula	E		
Flowering Plants	No common name	Hesperomannia arborescens	E		
Flowering Plants	No common name	Hedyotis parvula	E		
Flowering Plants	No common name	Hedyotis degeneri	E		
Flowering Plants	No common name	Gouania vitifolia	E		
Flowering Plants	No common name	Gouania meyenii	E		
Flowering Plants	No common name	Gouania hillebrandii	E		
Flowering Plants	No common name	Phyllostegia kaalaensis	E		
Flowering Plants	No common name	Eugenia woodburyana	E		
Flowering Plants	No common name	Phyllostegia mannii	E		
Flowering Plants	No common name	Ilex sintenisii	E		
Flowering Plants	No common name	Cranichis ricartii	E		
Flowering Plants	No common name	Vernonia proctorii	E		
Flowering Plants	No common name	Trematolobelia singularis	E		
Flowering Plants	No common name	Stenogyne campanulata	E		
Flowering Plants	No common name	Stenogyne bifida	E		
Flowering Plants	No common name	Spermolepis hawaiiensis	E		
Flowering Plants	No common name	Silene perimani	E		
Flowering Plants	No common name	Schiedea nuttallii	E		
Flowering Plants	No common name	Schiedea kauaiensis	E		
Flowering Plants	No common name	Sanicula mariversa	E		
Flowering Plants	No common name	Phyllostegia wawrana	E		

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	<i>Phyllostegia warshaueri</i>	E		
Flowering Plants	No common name	<i>Phyllostegia velutina</i>	E		
Flowering Plants	No common name	<i>Phyllostegia walmeae</i>	E		
Flowering Plants	No common name	<i>Mariscus fauriei</i>	E		
Flowering Plants	No common name	<i>Lysimachia maxima</i>	E		
Flowering Plants	No common name	<i>Lysimachia lydgatei</i>	E		
Flowering Plants	No common name	<i>Lyonia truncata proctorii</i>	E		
Flowering Plants	No common name	<i>Leptocereus grantianus</i>	E		
Flowering Plants	No common name	<i>Catesbaea melanocarpa</i>	E		
Flowering Plants	No common name	<i>Auerodendron pauciflorum</i>	E		
Flowering Plants	No common name	<i>Aristida chaseae</i>	E		
Flowering Plants	No common name	<i>Remya montgomeryi</i>	E		
Flowering Plants	No common name	<i>Alsinidendron viscosum</i>	E		
Flowering Plants	No common name	<i>Schoepfia arenaria</i>	T		
Flowering Plants	No common name	<i>Schiedea spergulina spergulina</i>	T		
Flowering Plants	No common name	<i>Schiedea spergulina leiopoda</i>	E		
Flowering Plants	No common name	<i>Schiedea lydgatei</i>	E		
Flowering Plants	No common name	<i>Schiedea helleri</i>	E		
Flowering Plants	No common name	<i>Schiedea haleakalensis</i>	E		
Flowering Plants	No common name	<i>Gesneria pauciflora</i>	T		
Flowering Plants	No common name	<i>Myrcia paganii</i>	E		
Flowering Plants	No common name	<i>Mariscus pennatifolius</i>	E		
Flowering Plants	No common name	<i>Ternstroemia subsessilis</i>	E		
Flowering Plants	No common name	<i>Silene hawaiiensis</i>	T		
Flowering Plants	No common name	<i>Poa siphonoglossa</i>	E		
Flowering Plants	No common name	<i>Platanthera holochila</i>	E		
Flowering Plants	No common name	<i>Phyllostegia mollis</i>	E		
Flowering Plants	No common name	<i>Mitracarpus polycladus</i>	E		
Flowering Plants	No common name	<i>Mitracarpus maxwelliae</i>	E		
Flowering Plants	No common name	<i>Lysimachia filifolia</i>	E		
Flowering Plants	No common name	<i>Lobelia monostachya</i>	E		
Flowering Plants	No common name	<i>Lepanthes eltoroensis</i>	E		
Flowering Plants	No common name	<i>Daphnopsis hellerana</i>	E		
Flowering Plants	No common name	<i>Cordia bellonis</i>	E		
Flowering Plants	No common name	<i>Chamaecrista glandulosa mirabilis</i>	E		
Flowering Plants	No common name	<i>Calyptanthus thomasiana</i>	E		
Flowering Plants	No common name	<i>Viola oahuensis</i>	E		
Flowering Plants	No common name	<i>Viola lanaiensis</i>	E		
Flowering Plants	No common name	<i>Viola helenae</i>	E		
Flowering Plants	No common name	<i>Vigna o-wahuensis</i>	E		
Flowering Plants	No common name	<i>Tetramolopium rockii</i>	T		
Flowering Plants	No common name	<i>Tetramolopium remyi</i>	E		



**Federally Listed Endangered and Threatened Wildlife and Plants**  
*As of Fiscal Year 2000 (September 30, 2000)*

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	No common name	Tetramolopium lepidotum lepidotum	E		
Flowering Plants	No common name	Tetramolopium filiforme	E		
Flowering Plants	No common name	Neraudia sericea	E		
Flowering Plants	No common name	Neraudia angulata	E		
Flowering Plants	No common name	Munroidendron racemosum	E		
Flowering Plants	No common name	Lobelia oahuensis	E		
Flowering Plants	No common name	Geocarpon minimum	T		
Flowering Plants	No common name	Gahnia lanalensis	E		
Flowering Plants	No common name	Sanicula purpurea	E		
Flowering Plants	nohoanu	Geranium multiflorum	E		
Flowering Plants	oak, Hinckley	Quercus hinckleyi	T		
Flowering Plants	oha	Delissea rivularis	E		
Flowering Plants	oha	Delissea undulata	E		
Flowering Plants	oha	Delissea subcordata	E		
Flowering Plants	oha	Delissea rhytidosperma	E		
Flowering Plants	'oha wai	Clermontia drepanomorpha	E		
Flowering Plants	'oha wai	Clermontia samuelii	E		
Flowering Plants	'oha wai	Clermontia oblongifolia mauiensis	E		
Flowering Plants	'oha wai	Clermontia oblongifolia brevipes	E		
Flowering Plants	'oha wai	Clermontia lindseyana	E		
Flowering Plants	'oha wai	Clermontia pyrularia	E		
Flowering Plants	'oha wai	Clermontia peleana	E		
Flowering Plants	ohai	Sesbania tomentosa	E		
Flowering Plants	'ohe'ohe	Tetraplasandra gymnocarpa	E		
Flowering Plants	olulu	Brighamia insignis	E		
Flowering Plants	onion, Munz's	Allium munzii	E		
Flowering Plants	opuhe	Urera kaalae	E		
Flowering Plants	orchid, eastern prairie fringed	Platanthera leucophaea	T		
Flowering Plants	orchid, western prairie fringed	Platanthera praeclara	T		
Flowering Plants	orcutt grass, Greene's	Tuctoria greenei	E		
Flowering Plants	orcutt grass, hairy	Orcuttia pilosa	E		
Flowering Plants	orcutt grass, Sacramento	Orcuttia viscida	E		
Flowering Plants	orcutt grass, San Joaquin	Orcuttia inaequalis	T		
Flowering Plants	orcutt grass, slender	Orcuttia tenuis	T		
Flowering Plants	owl's-clover, fleshy	Castilleja campestris succulenta	T		
Flowering Plants	oxylthea, cushenbury	Oxylthea parishii goodmaniana	E		
Flowering Plants	paintbrush, ash-grey	Castilleja cinerea	T		
Flowering Plants	paintbrush, golden	Castilleja levisecta	T		
Flowering Plants	paintbrush, soft-leaved	Castilleja mollis	E		
Flowering Plants	paintbrush, Tiburon	Castilleja affinis neglecta	E		
Flowering Plants	palo colorado	Ternstroemia luquillensis	E		
Flowering Plants	palo de jazmin	Styrax portoricensis	E		

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	palo de nigua	Cornutia obovata	E		
Flowering Plants	palo de ramon	Banara vanderbiltii	E		
Flowering Plants	palo de rosa	Ottoschulzia rhodoxylon	E		
Flowering Plants	pamakanl	Tetramolopium capillare	E		
Flowering Plants	pamakanl	Viola chamissoniana chamissoniana	E		
Flowering Plants	panicgrass, Carter's	Panicum fauriei carteri	E		
Flowering Plants	pau'ala, (=alulu)	Brighamia rockii	E		
Flowering Plants	pawpaw, beautiful	Deeringothamnus pulchellus	E		
Flowering Plants	pawpaw, four-petal	Asimina tetramera	E		
Flowering Plants	pawpaw, Rugel's	Deeringothamnus rugelii	E		
Flowering Plants	pelos del diablo	Aristida portoricensis	E		
Flowering Plants	penny-cress, Kneeland Prairie	Thlaspi californicum	E		
Flowering Plants	pennyroyal, Todsens	Hedeoma todsenii	E		
Flowering Plants	penstemon, blowout	Penstemon haydenii	E		
Flowering Plants	pentachaeta, Lyon's	Pentachaeta lyonii	E		
Flowering Plants	pentachaeta, white-rayed	Pentachaeta bellidiflora	E		
Flowering Plants	peperomia, Wheeler's	Peperomia wheeleri	E		
Flowering Plants	phacelia, clay	Phacelia argillacea	E		
Flowering Plants	phacelia, island	Phacelia insularis insularis	E		
Flowering Plants	phacelia, North Park	Phacelia formosula	E		
Flowering Plants	phlox, Texas trailing	Phlox nivalis texensis	E		
Flowering Plants	phlox, Yreka	Phlox hirsuta	E		
Flowering Plants	pigeon wings	Clitoria fragrans	T		
Flowering Plants	pilo	Hedyotis mannii	E		
Flowering Plants	pink, swamp	Helonias bullata	T	1891.92	
Flowering Plants	pinkroot, gentian	Spigelia gentianoides	E		
Flowering Plants	piperia, Yadon's	Piperia yadonii	E		
Flowering Plants	pitaya, Davis' green	Echinocereus viridiflorus davisii	E		
Flowering Plants	pitcher-plant, Alabama canebrake	Sarracenia rubra alabamensis	E		
Flowering Plants	pitcher-plant, green	Sarracenia oreophila	E		
Flowering Plants	pitcher-plant, mountain sweet	Sarracenia rubra jonesii	E		
Flowering Plants	plum, scrub	Prunus geniculata	E		
Flowering Plants	po'e	Portulaca sclerocarpa	E		
Flowering Plants	pogonia, small whorled	Isotria medeoloides	T		
Flowering Plants	polygala, Lewton's	Polygala lewtonii	E		
Flowering Plants	polygala, tiny	Polygala smallii	E		
Flowering Plants	pondberry	Lindera melissifolia	E	1891.92	
Flowering Plants	pondweed, Little Aguja Creek	Potamogeton clystocarpus	E		
Flowering Plants	popcornflower, rough	Plagiobothrys hirtus	E		
Flowering Plants	popolo 'aiakeakua	Solanum sandwicense	E		
Flowering Plants	popolo ku mai	Solanum incompletum	E		
Flowering Plants	poppy, Sacramento prickly	Argemone pleiacantha pinnatisecta	E		

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	poppy-mallow, Texas	Callirhoe scabriuscula	E		
Flowering Plants	potato-bean, Price's	Aplous priceana	T		
Flowering Plants	potentilla, Hickman's	Potentilla hickmanii	E		
Flowering Plants	prairie-clover, leafy	Dalea foliosa	E		
Flowering Plants	prickly-apple, fragrant	Cereus eriophorus fragrans	E		
Flowering Plants	prickly-ash, St. Thomas	Zanthoxylum thomasianum	E		
Flowering Plants	primrose, Maguire	Primula maguirei	T		
Flowering Plants	pussypaws, Mariposa	Calyptridium pulchellum	T		
Flowering Plants	pu'uka'a	Cyperus trachysanthos	E		
Flowering Plants	rattleweed, hairy	Baptisia arachnifera	E		
Flowering Plants	reed-mustard, Barneby	Schoenocrambe barnebyi	E		
Flowering Plants	reed-mustard, clay	Schoenocrambe argillacea	T		
Flowering Plants	remya, Maui	Remya mauiensis	E		
Flowering Plants	rhododendron, Chapman	Rhododendron chapmanii	E		
Flowering Plants	ridge-cress, Barneby	Lepidium barnebyanum	E		
Flowering Plants	rock-cress, Braun's	Arabis perstellata	E		
Flowering Plants	rock-cress, Hoffmann's	Arabis hoffmannii	E		
Flowering Plants	rock-cress, McDonald's	Arabis mcdonaldiana	E		
Flowering Plants	rock-cress, shale barren	Arabis serotina	E		
Flowering Plants	rockcress, Santa Cruz Island	Sibara filifolia	E		
Flowering Plants	rosemary, Apalachicola	Conradina glabra	E		
Flowering Plants	rosemary, Cumberland	Conradina verticillata	T		
Flowering Plants	rosemary, Etonia	Conradina etonia	E		
Flowering Plants	rosemary, short-leaved	Conradina brevifolia	E		
Flowering Plants	roseroot, Leedy's	Sedum integrifolium leedyi	T		
Flowering Plants	rush-pea, slender	Hoffmannseggia tenella	E		
Flowering Plants	rush-rose, island	Helianthemum greenei	T		
Flowering Plants	sand-verbena, large-fruited	Abronia macrocarpa	E		
Flowering Plants	sandalwood, Lanai or 'Iliahi	Santalum freycinetianum lanalense	E		
Flowering Plants	sandbur, agrimony or Kamanomano	Cenchrus agrimonioides	E		
Flowering Plants	sandlace	Polygonella myriophylla	E		
Flowering Plants	sandwort, Bear Valley	Arenaria ursina	T		
Flowering Plants	sandwort, Cumberland	Arenaria cumberlandensis	E		
Flowering Plants	sandwort, Marsh	Arenaria paludicola	E		
Flowering Plants	schiedea, Diamond Head	Schiedea adamantis	E		
Flowering Plants	seablite, California	Suaeda californica	E		
Flowering Plants	seagrass, Johnson's	Halophila johnsonii	T	859.92	
Flowering Plants	sedge, Navajo	Carex specuicola	T		
Flowering Plants	sedge, white	Carex albida	E		
Flowering Plants	silversword, Haleakala	Argyroxiphium sandwicense macrocephalum	T		
Flowering Plants	silversword, Mauna Kea	Argyroxiphium sandwicense sandwicense	E		
Flowering Plants	silversword, Mauna Loa	Argyroxiphium kauense	E		

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	skullcap, Florida	Scutellaria floridana	T		
Flowering Plants	skullcap, large-flowered	Scutellaria montana	E		
Flowering Plants	snakeroot	Eryngium cuneifolium	E		
Flowering Plants	sneezeweed, Virginia	Helenium virginicum	T		
Flowering Plants	snowbells, Texas	Styrax texanus	E		
Flowering Plants	spineflower, Ben Lomond	Chorizanthe pungens hartwegiana	E		
Flowering Plants	spineflower, Howell's	Chorizanthe howellii	E		
Flowering Plants	spineflower, Monterey	Chorizanthe pungens pungens	T		
Flowering Plants	spineflower, Orcutt's	Chorizanthe orcuttiana	E		
Flowering Plants	spineflower, Robust	Chorizanthe robusta	E		
Flowering Plants	spineflower, slender-horned	Dodecahema leptoceras	E		
Flowering Plants	spineflower, Sonoma	Chorizanthe valida	E		
Flowering Plants	spiraea, Virginia	Spiraea virginiana	T		
Flowering Plants	spurge, deltoid	Chamaesyce deltoidea deltoidea	E		
Flowering Plants	spurge, Garber's	Chamaesyce garberi	T		
Flowering Plants	spurge, Hoover's	Chamaesyce hooveri	T		
Flowering Plants	spurge, telephus	Euphorbia telephoides	T		
Flowering Plants	stonecrop, Lake County	Parvisedum leiocarpum	E		
Flowering Plants	sumac, Michaux's	Rhus michauxii	E		
Flowering Plants	sunburst, Hartweg's golden	Pseudobahia bahifolia	E		
Flowering Plants	sunburst, San Joaquin adobe	Pseudobahia peirsonii	T		
Flowering Plants	sunflower, Eggert's	Helianthus eggertii	T		
Flowering Plants	sunflower, Pecos	Helianthus paradoxus	T		
Flowering Plants	sunflower, San Mateo woolly	Eriophyllum latilobum	E		
Flowering Plants	sunflower, Schweinitz's	Helianthus schweinitzii	E		
Flowering Plants	sunray, Ash Meadows	Enceliopsis nudicaulis corrugata	T		
Flowering Plants	sunshine, Sonoma	Blennosperma bakeri	E		
Flowering Plants	taraxacum, California	Taraxacum californicum	E		
Flowering Plants	tarplant, Gaviota	Hemizonia increscens villosa	E		
Flowering Plants	tarplant, Otay	Hemizonia conjugens	T		
Flowering Plants	tarplant, Santa Cruz	Holocarpha macradenia	T		
Flowering Plants	thelypod, Howell's spectacular	Thelypodium howellii spectabilis	T		
Flowering Plants	thistle, Chorro Creek bog	Cirsium fontinale obispoense	E		
Flowering Plants	thistle, fountain	Cirsium fontinale fontinale	E		
Flowering Plants	thistle, La Graciosa	Cirsium loncholepis	E		
Flowering Plants	thistle, Loch Lomond coyote	Eryngium constancei	E		
Flowering Plants	thistle, Pitcher's	Cirsium pitcheri	T		
Flowering Plants	thistle, Sacramento Mountains	Cirsium vinaceum	T		
Flowering Plants	thistle, Suisun	Cirsium hydrophilum hydrophilum	E		
Flowering Plants	thornmint, San Diego	Acanthomintha ilicifolia	T		
Flowering Plants	thornmint, San Mateo	Acanthomintha obovata duttonii	E		
Flowering Plants	townsendia, Last Chance	Townsendia aprica	T		

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Flowering Plants	trillium, persistent	Trillium persistens	E	905.84	
Flowering Plants	trillium, relict	Trillium relictum	E		
Flowering Plants	twinpod, Dudley Bluffs	Physaria obcordata	T		
Flowering Plants	uhiuhi	Caesalpinia kavaiense	E		
Flowering Plants	uvillo	Eugenia haematocarpa	E		
Flowering Plants	verbain, Red Hills	Verbena californica	T		
Flowering Plants	vetch, Hawaiian	Vicia menziesii	E		
Flowering Plants	wallflower, Ben Lomond	Erysimum teretifolium	E		
Flowering Plants	wallflower, Contra Costa	Erysimum capitatum angustatum	E		
Flowering Plants	wallflower, Menzies'	Erysimum menziesii	E		
Flowering Plants	walnut, West Indian or nogal	Juglans jamaicensis	E		
Flowering Plants	warea, wide-leaf	Warea amplexifolia	E		
Flowering Plants	water-plantain, Kral's	Sagittaria secundifolia	T	905.84	
Flowering Plants	water-umbel, Huachuca	Lilaeopsis schaffneriana recurva	E		
Flowering Plants	water-willow, Cooley's	Justicia cooleyi	E		
Flowering Plants	watercress, Gambel's	Rorippa gambellii	E		
Flowering Plants	whitlow-wort, papery	Paronychia chartacea	T		
Flowering Plants	wild-buckwheat, clay-loving	Eriogonum pelinophilum	E		
Flowering Plants	wild-buckwheat, gypsum	Eriogonum gypsophilum	T		
Flowering Plants	wild-buckwheat, southern mountain	Eriogonum kennedyi austromontanum	T		
Flowering Plants	wild-rice, Texas	Zizania texana	E		
Flowering Plants	wire-lettuce, Malheur	Stephanomeria malheurensis	E		
Flowering Plants	wireweed	Polygonella basiramia	E		
Flowering Plants	woodland-star, San Clemente Island	Lithophragma maximum	E		
Flowering Plants	woolly-star, Hoover's	Eriastrum hooveri	T		
Flowering Plants	woolly-star, Santa Ana River	Eriastrum densifolium sanctorum	E		
Flowering Plants	wooly-threads, San Joaquin	Lembertia congdonii	E		
Flowering Plants	yerba santa, Lompoc	Eriodictyon capitatum	E		
Flowering Plants	ziziphus, Florida	Ziziphus celata	E		
Conifers and Cycads	cypress, Gowen	Cupressus goveniana goveniana	T		
Conifers and Cycads	cypress, Santa Cruz	Cupressus abramsiana	E		
Conifers and Cycads	Torreya, Florida	Torreya taxifolia	E		
Ferns and Allies	diellia, asplenium-leaved	Diellia erecta	E		
Ferns and Allies	fern, Alabama streak-sorus	Thelypteris pilosa alabamensis	T		
Ferns and Allies	fern, Aleutian shield	Polystichum aleuticum	E		
Ferns and Allies	fern, American hart's-tongue	Asplenium scolopendrium americanum	T		
Ferns and Allies	fern, Elfin tree	Cyathea dryopteroides	E		
Ferns and Allies	fern, pendant kihi	Adenophorus periens	E		
Ferns and Allies	ihii'ihii	Marsilea villosa	E		
Ferns and Allies	No common name	Asplenium fragile insulare	E		
Ferns and Allies	No common name	Diellia falcata	E		
Ferns and Allies	No common name	Diellia pallida	E		

**Federally Listed Endangered and Threatened Wildlife and Plants**  
**As of Fiscal Year 2000 (September 30, 2000)**

Kingdom	Inverted Common Name	Scientific Name	Listing Status	General Costs	Land Costs
Ferns and Allies	No common name	<i>Thelypteris yaucoensis</i>	E		
Ferns and Allies	No common name	<i>Thelypteris verecunda</i>	E		
Ferns and Allies	No common name	<i>Thelypteris inabonensis</i>	E		
Ferns and Allies	No common name	<i>Tectaria estremerana</i>	E		
Ferns and Allies	No common name	<i>Polystichum calderonense</i>	E		
Ferns and Allies	No common name	<i>Elaphoglossum serpens</i>	E		
Ferns and Allies	No common name	<i>Diellia unisora</i>	E		
Ferns and Allies	No common name	<i>Adiantum vivesii</i>	E		
Ferns and Allies	No common name	<i>Diplazium molokaiense</i>	E		
Ferns and Allies	No common name	<i>Pteris lidgatei</i>	E		
Ferns and Allies	pauoa	<i>Ctenitis squamigera</i>	E		
Ferns and Allies	quillwort, black spored	<i>Isoetes melanospora</i>	E		
Ferns and Allies	quillwort, Louisiana	<i>Isoetes louisianensis</i>	E		
Ferns and Allies	quillwort, mat-forming	<i>Isoetes tegetiformans</i>	E		
Ferns and Allies	wawae'iole	<i>Huperzia mannii</i>	E		
Ferns and Allies	wawae'iole, (=ha'iwale)	<i>Phlegmariurus nutans</i>	E		
Lichens	cladonia, Florida perforate	<i>Cladonia perforata</i>	E		
Lichens	lichen, rock gnome	<i>Gymnoderma lineare</i>	E		

FEDERAL ENERGY REGULATORY COMMISSION  
WASHINGTON, D. C. 20426

TO:  
DEER

OFFICE OF ENERGY PROJECTS

JUN 12 2002

Mr. Steve Williams  
Director  
Fish and Wildlife Service  
- U.S. Department of the Interior  
Washington, D.C. 20240

Dear Mr. Williams:

This is in response to your September 19, 2001 letter requesting information about the Commission's Fiscal Year's 1999 and 2000 expenditures related to the conservation of endangered and threatened species.

The enclosed lists (a diskette is also enclosed) identify the endangered and threatened species and associated Commission expenditures. The lists represent the activities of the Office of Energy Projects that includes both the Commission's hydroelectric and gas pipeline programs. The expenditures for each species include salaries and related benefits. Travel expenses were included in those cases where they were directly attributable to a species.

I hope this information is helpful. If I can be of further assistance in this or any other Commission matter, please let me know.

Sincerely,



J. Mark Robinson  
Director  
Office of Energy Projects

Enclosures

## 2000 Data Request For Federal Agencies

Kingdom	Inverted Common Name	Scientific Name	Listing Status	Expenditures (\$)
Amphibians	frog, California red-legged	<i>Rana aurora draytonii</i>	T	4,207
Amphibians	salamander, flatwoods	<i>Ambystoma cingulatum</i>	T	1,121
Amphibians	toad, arroyo	<i>Bufo microscaphus californicus</i>	E	802
Birds	caracara, Audubon's crested	<i>Polyborus plancus audubonii</i>	T	1,661
Birds	condor, California	<i>Gymnogyps californianus</i>	E	385
Birds	crane, Mississippi sandhill	<i>Grus canadensis pulla</i>	E	36
Birds	crane, whooping	<i>Grus americana</i>	E	1,826
Birds	eagle, bald	<i>Haliaeetus leucocephalus</i>	T	20,944
Birds	flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	E	945
Birds	gnatcatcher, coastal California	<i>Poliophtila californica californica</i>	T	535
Birds	jay, Florida scrub	<i>Aphelocoma coerulescens</i>	T	2,701
Birds	kite, Everglade snail	<i>Rostrhamus sociabilis plumbeus</i>	E	544
Birds	murrelet, marbled	<i>Brachyramphus marmoratus marmoratus</i>	T	3,118
Birds	owl, northern spotted	<i>Strix occidentalis caurina</i>	T	4,917
Birds	Plover, piping	<i>Charadrius melodus</i>	E, T	3,353
Birds	pygmy-owl, cactus ferruginous	<i>Glaucidium brasilianum cactorum</i>	E	25
Birds	rail, Yuma clapper	<i>Rallus longirostris yumanensis</i>	E	467
Birds	sparrow, Florida grasshopper	<i>Ammodramus savannarum floridanus</i>	E	1,147
Birds	stork, wood	<i>Mycteria americana</i>	E	2,544
Birds	tern, least	<i>Sterna antillarum</i>	E	2,764
Birds	tern, roseate	<i>Sterna dougallii dougallii</i>	E, T	393
Birds	vireo, least Bell's	<i>Vireo bellii pusillus</i>	E	728
Birds	woodpecker, red-cockaded	<i>Picoides borealis</i>	E	4,488
Clams	bankclimber, purple	<i>Elliotoideus sloatianus</i>	T	429
Clams	clubshell	<i>Pleurobema clava</i>	E	1,025
Clams	clubshell, ovate	<i>Pleurobema perovatum</i>	E	253
Clams	clubshell, southern	<i>Pleurobema decisum</i>	E	49
Clams	elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	E	106
Clams	heelsplitter, Alabama	<i>Potamilus inflatus</i>	T	246
Clams	lampmussel, Alabama	<i>Lampsilis virescens</i>	E	204
Clams	moccasinshell, Gulf	<i>Medionidus penicillatus</i>	E	397
Clams	mucket, orangenacre	<i>Lampsilis perovalis</i>	T	123
Clams	mucket, pink	<i>Lampsilis abrupta</i>	E	170
Clams	pearlymussel, littlewing	<i>Pegias fabula</i>	E	49
Clams	pigtoe, heavy	<i>Pleurobema taitianum</i>	E	74
Clams	pigtoe, oval	<i>Pleurobema pyriforme</i>	E	385
Clams	pocketbook, finelined	<i>Lampsilis attilis</i>	T	49
Clams	pocketbook, shinyrayed	<i>Lampsilis subangulata</i>	E	193
Clams	riffleshell, northern	<i>Epioblasma torulosa rangiana</i>	E	1,632
Clams	riffleshell, tan	<i>Epioblasma florentina walkeri</i>	E	49
Clams	wedgemussel, dwarf	<i>Alasmidonta heterodon</i>	E	2,436
Crustaceans	crayfish, Shasta	<i>Pacifastacus fortis</i>	E	2,516
Crustaceans	fairy shrimp, vernal pool	<i>Branchinecta lynchi</i>	T	578
Crustaceans	tadpole shrimp, vernal pool	<i>Lepidurus packardi</i>	E	770
Ferns and Allies	quillwort, black spored	<i>Isoetes melanospora</i>	E	1,351
Ferns and Allies	quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	229
Fishes	chub, bonytail	<i>Gila elegans</i>	E	585
Fishes	chub, humpback	<i>Gila cypha</i>	E	560
Fishes	chub, spotfin	<i>Cyprinella monacha</i>	T	155



Fishes	darler, snail	<i>Percina tanasi</i>	T	409
Fishes	madtom, Neosho	<i>Noturus placidus</i>	T	49
Fishes	minnow, loach	<i>Tiaroga cobitis</i>	T	193
Fishes	pikeminnow, Colorado	<i>Ptychocheilus lucius</i>	E	560
Fishes	pupfish, desert	<i>Cyprinodon macularius</i>	E	25
Fishes	salmon, chinook	<i>Oncorhynchus tshawytscha</i>	E, T	18,756
Fishes	salmon, chum	<i>Oncorhynchus keta</i>	T	3,947
Fishes	salmon, coho	<i>Oncorhynchus kisutch</i>	T	4,782
Fishes	salmon, sockeye	<i>Oncorhynchus nerka</i>	E, T	1,564
Fishes	shiner, Arkansas River	<i>Notropis girardi</i>	T	614
Fishes	shiner, Cahaba	<i>Notropis cahabae</i>	E	368
Fishes	smelt, delta	<i>Hypomesus transpacificus</i>	T	385
Fishes	spikedace	<i>Meda fulgida</i>	T	193
Fishes	splittail, Sacramento	<i>Pogonichthys macrolepidotus</i>	T	1,916
Fishes	steelhead	<i>Oncorhynchus mykiss</i>	E, T	13,708
Fishes	stickleback, unarmored threespine	<i>Gasterosteus aculeatus williamsoni</i>	E	289
Fishes	sturgeon, Gulf	<i>Acipenser oxyrinchus desotoi</i>	T	1,382
Fishes	sturgeon, pallid	<i>Scaphirhynchus albus</i>	E	560
Fishes	sturgeon, shortnose	<i>Acipenser brevirostrum</i>	E	9,496
Fishes	Sucker, Modoc	<i>Catostomus microps</i>	E	204
Fishes	sucker, razorback	<i>Xyrauchen texanus</i>	E	2,006
Fishes	sucker, Santa Ana	<i>Catostomus santaanae</i>	T	289
Fishes	topminnow, Gila	<i>Poeciliopsis occidentalis</i>	E	25
Fishes	trout, bull	<i>Salvelinus confluentus</i>	T	7,075
Fishes	trout, Lahontan cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	308
Fishes	trout, Little Kern golden	<i>Oncorhynchus aguabonita whitei</i>	T	308
Flowering Plants	agave, Arizona	<i>Agave arizonica</i>	E	25
Flowering Plants	amphianthus, little	<i>Amphianthus pusillus</i>	T	737
Flowering Plants	aster, Florida golden	<i>Chrysopsis floridana</i>	E	190
Flowering Plants	barberry, Nevin's	<i>Berberis nevinii</i>	E	289
Flowering Plants	beargrass, Britton's	<i>Nolina brittoniana</i>	E	211
Flowering Plants	blazingstar, scrub	<i>Liatris ohlingerae</i>	E	612
Flowering Plants	bluegrass, San Bernardino	<i>Poa atropurpurea</i>	E	289
Flowering Plants	bonamia, Florida	<i>Bonamia grandiflora</i>	T	211
Flowering Plants	brodiaea, thread-leaved	<i>Brodiaea filifolia</i>	T	289
Flowering Plants	buckwheat, scrub	<i>Eriogonum longifolium gnaphalifolium</i>	T	388
Flowering Plants	bush-clover, prairie	<i>Lespedeza leptostachya</i>	T	302
Flowering Plants	cactus, Arizona hedgehog	<i>Echinocereus triglochidiatus arizonicus</i>	E	25
Flowering Plants	cactus, Bakersfield	<i>Opuntia treleasei</i>	E	193
Flowering Plants	cactus, Pima pineapple	<i>Coryphantha scheeri robustispina</i>	E	409
Flowering Plants	cliff-rose, Arizona	<i>Purshia subintegra</i>	E	25
Flowering Plants	clover, running buffalo	<i>Trifolium stoloniferum</i>	E	39
Flowering Plants	coneflower, smooth	<i>Echinacea laevigata</i>	E	1,351
Flowering Plants	fringe-tree, pygmy	<i>Chionanthus pygmaeus</i>	E	289
Flowering Plants	gourd, Okeechobee	<i>Cucurbita okeechobeensis okeechobeensis</i>	E	36
Flowering Plants	harebells, Avon Park	<i>Crotalaria avonensis</i>	E	36
Flowering Plants	hypericum, highlands scrub	<i>Hypericum cumulicola</i>	E	289
Flowering Plants	jacquemontia, beach	<i>Jacquemontia reclinata</i>	E	36
Flowering Plants	jewelflower, California	<i>Caulanthus californicus</i>	E	193
Flowering Plants	ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	317
Flowering Plants	Lupine, Kincaid's	<i>Lupinus sulphureus kincaidii</i>	T	188
Flowering Plants	lupine, scrub	<i>Lupinus aridorum</i>	E	36

Flowering Plants	milk-vetch, Applegate's	<i>Astragalus applegatei</i>	E	204
Flowering Plants	milk-vetch, Braunton's	<i>Astragalus brauntonii</i>	E	289
Flowering Plants	milk-vetch, Coachella Valley	<i>Astragalus lentiginosus coachellae</i>	E	98
Flowering Plants	milk-vetch, triple-ribbed	<i>Astragalus tricarinatus</i>	E	98
Flowering Plants	mint, Garrett's	<i>Dicerandra christmanii</i>	E	36
Flowering Plants	mint, Lakela's	<i>Dicerandra immaculata</i>	E	36
Flowering Plants	mint, scrub	<i>Dicerandra frutescens</i>	E	36
Flowering Plants	monkshood, northern wild	<i>Aconitum noveboracense</i>	T	1,161
Flowering Plants	mustard, Carter's	<i>Warea carteri</i>	E	289
Flowering Plants	orchid, eastern prairie fringed	<i>Platanthera leucophaea</i>	T	221
Flowering Plants	paintbrush, ash-grey	<i>Castilleja cinerea</i>	T	289
Flowering Plants	pawpaw, four-petal	<i>Asimina tetramera</i>	E	36
Flowering Plants	pigeon wings	<i>Clitoria fragrans</i>	T	773
Flowering Plants	plum, scrub	<i>Prunus geniculata</i>	E	682
Flowering Plants	pogonia, small whorled	<i>Isotria medeoloides</i>	T	106
Flowering Plants	polygala, Lewton's	<i>Polygala lewtonii</i>	E	134
Flowering Plants	polygala, tiny	<i>Polygala smallii</i>	E	36
Flowering Plants	pondberry	<i>Lindera melissifolia</i>	E	204
Flowering Plants	popcornflower, rough	<i>Plagiobothrys hirtus</i>	E	188
Flowering Plants	rosemary, short-leaved	<i>Conradina brevifolia</i>	E	289
Flowering Plants	sandbur, agrimony or Kamanomano	<i>Cenchrus agrimonioides</i>	E	368
Flowering Plants	sandlace	<i>Polygonella myriophylla</i>	E	289
Flowering Plants	spineflower, slender-horned	<i>Dodecahema leptoceras</i>	E	289
Flowering Plants	spiraea, Virginia	<i>Spiraea virginiana</i>	T	311
Flowering Plants	sunflower, Schweinitz's	<i>Helianthus schweinitzii</i>	E	462
Flowering Plants	taraxacum, California	<i>Taraxacum californicum</i>	E	289
Flowering Plants	warea, wide-leaf	<i>Warea amplexifolia</i>	E	36
Flowering Plants	whitlow-wort, papery	<i>Paronychia chartacea</i>	T	695
Flowering Plants	wild-buckwheat, gypsum	<i>Eriogonum gypsophilum</i>	T	204
Flowering Plants	wireweed	<i>Polygonella basiramia</i>	E	482
Flowering Plants	woolly-star, Santa Ana River	<i>Eriastrum densifolium sanctorum</i>	E	289
Flowering Plants	wooly-threads, San Joaquin	<i>Lembertia congdonii</i>	E	193
Flowering Plants	ziziphus, Florida	<i>Ziziphus celata</i>	E	36
Insects	beetle, American burying	<i>Nicrophorus americanus</i>	E	193
Insects	beetle, valley elderberry longhorn	<i>Desmocerus californicus dimorphus</i>	T	1,048
Insects	butterfly, Kamer blue	<i>Lycæides melissa samuelis</i>	E	231
Insects	moth, Kern primrose sphinx	<i>Euproserpinus euterpe</i>	T	193
Lichens	cladonia, Florida perforate	<i>Cladonia perforata</i>	E	36
Lichens	lichen, rock gnome	<i>Gymnoderma lineare</i>	E	53
Mammals	bat, gray	<i>Myotis grisescens</i>	E	729
Mammals	bat, Indiana	<i>Myotis sodalis</i>	E	2,609
Mammals	bear, Louisiana black	<i>Ursus americanus luteolus</i>	T	421
Mammals	deer, Columbian white-tailed	<i>Odocoileus virginianus leucurus</i>	E	188
Mammals	ferret, black-footed	<i>Mustela nigripes</i>	E	385
Mammals	fox, San Joaquin kit	<i>Vulpes macrotis mutica</i>	E	385
Mammals	kangaroo rat, San Bernardino Merriam's	<i>Dipodomys merriami parvus</i>	E	388
Mammals	kangaroo rat, Stephens'	<i>Dipodomys stephensi</i>	E	388
Mammals	kangaroo rat, Tipton	<i>Dipodomys nitratoides nitratoides</i>	E	77
Mammals	lynx, Canada	<i>Lynx canadensis</i>	T	3,202
Mammals	manatee, West Indian	<i>Trichechus manatus</i>	E	1,889
Mammals	Mouse, southeastern beach	<i>Peromyscus polionotus niveiventris</i>	T	36
Mammals	panther, Florida	<i>Puma concolor coryi</i>	E	440

Mammals	pronghorn, Sonoran	<i>Antilocapra americana sonoriensis</i>	E	25
Mammals	squirrel, Virginia northern flying	<i>Glaucomys sabrinus fuscus</i>	E	246
Mammals	whale, blue	<i>Balaenoptera musculus</i>	E	390
Mammals	whale, finback	<i>Balaenoptera physalus</i>	E	809
Mammals	whale, humpback	<i>Megaptera novaeangliae</i>	E	809
Mammals	whale, right	<i>Balaena glacialis</i>	E	809
Mammals	whale, Sei	<i>Balaenoptera borealis</i>	E	424
Mammals	whale, sperm	<i>Physeter catodon</i>	E	390
Mammals	wolf, gray	<i>Canis lupus</i>	E, T	584
Reptiles	lizard, Coachella Valley fringe-toed	<i>Uma inornata</i>	T	98
Reptiles	sea turtle, green	<i>Chelonia mydas</i>	E, T	1,489
Reptiles	sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	1,489
Reptiles	sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	1,366
Reptiles	sea turtle, leatherback	<i>Dermodochelys coriacea</i>	E	1,366
Reptiles	sea turtle, loggerhead	<i>Caretta caretta</i>	T	1,366
Reptiles	skink, bluetail mole	<i>Eumeces egregius lividus</i>	T	1,316
Reptiles	skink, sand	<i>Neoseps reynoldsi</i>	T	2,096
Reptiles	snake, Atlantic salt marsh	<i>Nerodia clarkii taeniata</i>	T	393
Reptiles	snake, eastern indigo	<i>Drymarchon corais couperi</i>	T	6,549
Reptiles	tortoise, desert	<i>Gopherus agassizii</i>	T	344
Reptiles	tortoise, gopher	<i>Gopherus polyphemus</i>	T	12,411
Reptiles	turtle, Alabama red-belly	<i>Pseudemys alabamensis</i>	E	1,500
Reptiles	turtle, bog	<i>Clemmys muhlenbergii</i>	T	3,670
Reptiles	turtle, yellow-blotched map	<i>Graptemys flavimaculata</i>	T	522
Snails	limpet, Banbury Springs	<i>Lanx sp.</i>	E	1,540
Snails	snail, Bliss Rapids	<i>Taylorconcha serpenticola</i>	T	1,540
Snails	snail, noonday	<i>Mesodon clarki nantahala</i>	T	53
Snails	snail, Snake River physa	<i>Physa natricina</i>	E	1,540
Snails	snail, Utah valvata	<i>Valvata utahensis</i>	E	1,681
Snails	springsnail, Bruneau Hot	<i>Pyrgulopsis bruneauensis</i>	E	39
Snails	springsnail, Idaho	<i>Fontelicella idahoensis</i>	E	1,540



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

To:  
DPO

January 16, 2003

Mr. Steve Williams  
Director  
Fish and Wildlife Service  
U.S. Department of the Interior  
Washington, DC 20240

Dear Mr. Williams:

This is in response to your letter of September 19, 2001 (reference FWS/AES/OPO/004757), requesting reasonably identifiable expenditures for the conservation of threatened and endangered species to be included in your annual report to Congress.

Summarized NRC expenditures in FY 2000 in support of the conservation of threatened and endangered species were as follows:

Gray Bat ( <i>Myotis grisescens</i> )	\$780
Least Tern ( <i>Sterna antillarum</i> )	780
Green Sea Turtle ( <i>Chelonia mydas</i> )	320
Hawksbill Sea Turtle ( <i>Eretmochelys imbricata</i> )	320
Kemp's Ridley Sea Turtle ( <i>Lepidochelys kempii</i> )	320
Leatherback Sea Turtle ( <i>Dermochelys coriacea</i> )	320
Loggerhead Sea Turtle ( <i>Caretta caretta</i> )	320
Bonytail Chub ( <i>Gila elegans</i> )	2,273
Humpback Chub ( <i>Gila cypha</i> )	2,284
Colorado Pikeminnow ( <i>Ptychocheilus lucius</i> )	2,284
Shortnose Sturgeon ( <i>Acipenser brevirostrum</i> )	3,120
Razorback Sucker ( <i>Xyrauchen texanus</i> )	2,284
Bunched Arrowhead ( <i>Sagittaria fasciculata</i> )	320
Smooth Coneflower ( <i>Echinacea laevigata</i> )	320
Dwarf-Flowered Heartleaf ( <i>Hexastylis naniflora</i> )	320
Mountain Sweet Pitcher-Plant ( <i>Sarracenia rubra jonesii</i> )	320
Schweinitz's Sunflower ( <i>Helianthus schweinitzii</i> )	320
Total NRC Expenditures	<u>\$17,005</u>

S. Williams

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This information has been forwarded electronically to Susan Jewell in the form of a Microsoft Excel spreadsheet as requested in your letter. Questions concerning these expenditures may be directed to Dannette Simms at (301)415-5735, email at [DMS7@NRC.GOV](mailto:DMS7@NRC.GOV).

Sincerely,

A handwritten signature in black ink, appearing to read "Leslie Barnett", with a flourish at the end.

Leslie Barnett, Director  
Division of Planning, Budget and Analysis  
Office of the Chief Financial Officer

Enclosure: As stated



# Smithsonian Institution

J. Dennis O'Connor  
Under Secretary for Science

January 23, 2002

Mr. Marshall P. Jones, Jr.  
Acting Director  
United States Fish and Wildlife Service  
Department of the Interior  
Washington, D. C. 20240


Dear Mr. Jones:

As required by the Endangered Species Act Amendments of 1988, I am pleased to provide the Smithsonian Institution's annual submission to Congress of all reasonably-identifiable Federal expenditures made by the Institution in the conservation of endangered or threatened species in Fiscal Years 1999 and 2000.

While not a Federal agency, the Smithsonian Institution does expend appropriated funds aimed primarily at the conservation of endangered or threatened species consistent with the requirements of the Endangered Species Act. As a general procedure, the Smithsonian does not maintain Institution-wide information on endangered species projects on a species-by-species basis. However, as in our previous reports to the U. S. Fish and Wildlife Service, we are enclosing findings on Fiscal Years 1999 and 2000 Federal expenditures by the National Zoological Park, the Smithsonian unit with the largest proportion of budget outlays aimed at species conservation.

I hope this information will be of assistance.

Sincerely,

  
J. Dennis O'Connor

Enclosure



Smithsonian  
National Zoological Park

**FEDERAL MONEY SPENT ON ENDANGERED SPECIES FY2000 NATIONAL ZOO**

Parameters used:

- no captive breeding/housing/education costs included unless specifically part of a Recovery Plan/field work for conservation
- field research included only if part of conservation (i.e., efforts to assist lead agencies in their conservation efforts)
- two salary levels used: senior (curator, veterinary, etc.) @ \$100,000 and keeper/tech @ \$50,000; these are rough averages
- average administrative costs (permits, support, etc.) @ \$2,000
- "supplies" includes animal feed, medications, etc. for captive program
- cost of lab supplies not included unless easily identifiable
- no costs included if money came from grants, Federal Agencies, or other outside sources

CHEETAH (health & repro. research)	10% of \$100K x 4, 100% of \$50K . . .	\$90,000
DEER, ELD'S ( " " " )	8% of \$100K, 5% of \$80K x 3, 50% of \$50K x 2, \$4K lab supplies, \$2K admin. . .	\$75,000
ELEPHANT, AFRICAN (field research)	10% of \$100K, .5% of 100K, \$1K admin. . . . .	\$11,500
ELEPHANT, ASIAN (field research)	20% of \$100K, 10% of \$100K, 5% of \$100K, 1% of \$50K, \$9K lab supplies, 2K admin. . . . .	\$46,500
FERRET, BLACK-FOOTED (Recovery & captive)	25% of \$100K, 10% of 100K, 5% of \$100K, 100% of \$50K x 2, \$20K supplies, \$2K admin. . .	\$162,000
FOX, SAN JOAQUIN (Recovery)	50% of \$100K, 2% of \$50K, \$3K lab supplies..	\$9,000
MACAQUE, TOQUE (field research)	1% of \$50K, \$2K admin.....	\$2,500
OTTER, SOUTHERN SEA (Recovery)	4% of \$100K . . . . .	\$4,000
PANDA, GIANT (conservation)	20% of \$100K x 4.....	\$80,000
PANTHER, FLORIDA (repro. & pop. research)	5% of \$100K, 2% of \$100K, 1% of \$100K.....	\$8,000
SEAL, HAWAIIAN MONK (Recovery)	4% of \$100K. . . . .	\$4,000
OTHER END/TH MARINE MAMMALS (Recovery)	3-4% of \$100K x 3.....	\$10,000
MARINE MAMMAL COMMISSION	5% of 100K . . . . .	\$5,000
SQUIRREL, DELVAVARVA FOX	1% of \$100K, \$1K lab supplies. . . . .	\$2,000
TAMARIN, GOLDEN LION (field & captive)	50% of \$100K, 20% of \$100K x 2, 5% of \$100K x2, 4% of \$100K, 1% of \$100K, 10% of \$50K, 4% of 50K, \$2K supplies, \$4K lab supplies, \$30K admin.....	\$148,000
TIGER (field research)	25% of \$100K.....	\$25,000
WOLF, RED (captive for Recovery)	2% of \$100K, 25% of \$50K, \$3K supplies.....	\$17,500

**SUBTOTAL FOR MAMMALS \$700,000**

CONDOR, CALIFORNIA (Recovery) 1% of \$100K.....	\$1,000
Surrogate Hawaiian birds (captive) 20% of \$100K, 50% of \$50K, \$4K supplies.....	\$49,000
CROW, HAWAIIAN (Recovery) 10% of \$100K, .....	\$10,000
CROW, MARIANA (captive for Recovery) 3% of \$100K, 1% of \$100K, 10% of \$50K. . . . .	\$9,000
FINCH, LAYSAN (Recovery) 1% of \$100 . . . . .	\$1,000
GOOSE, HAWAIIAN (Recovery) 1% of \$100K, \$2K lab supplies.....	\$3,000
KINGFISHER, GUAM (captive for Recovery) 5% of \$100K, 30% of \$50K, \$2K supplies, \$3K admin.....	\$27,000
RAIL, GUAM (Recovery & captive) 5% of \$100K, 30% of \$50K, \$4K supplies.....	\$24,000
SPARROW, CAPE SABLE SEASIDE (advisory recovery) 2% of \$100K.....	\$2,000
WARBLER, GOLDEN CHEEKED (Recovery) 15% of \$100K . . . . .	\$15,000

**SUBTOTAL FOR BIRDS \$141,000**

TORTOISE, DESERT (field & captive), 60% of \$100K, 15% of 100K 50% of \$50K, \$4K admin.....	\$104,000
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**SUBTOTAL FOR REPTILES \$104,000**

**GRAND TOTAL \$945,000**