

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, Defense Logistics Agency, Navy, and Marine Corps)
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**



U. S. States
Department of
Agriculture

June 9, 1999

Marketing and
Regulatory
Programs

Animal and Plant
Health Inspection
Service

Washington, DC
20250

Ms. Jamie Rappaport-Clark
Director
Fish and Wildlife Service
1849 C Street, NW
Washington, DC 20240

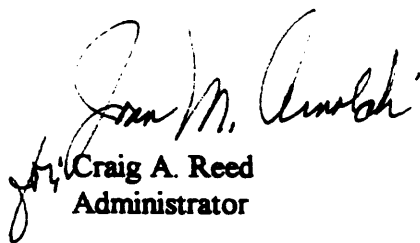
Dear Ms. Clark:

Enclosed is the Animal and Plant Health Inspection Service's (APHIS) report on the Fiscal Year 1998 expenditures related to the conservation of endangered and threatened species under the Endangered Species Act.

Enclosure 1 is the list of expenditures that APHIS has identified for particular species. We have included these figures on the printed copy of the Lotus 1-2-3 template. All of these activities were implemented by Wildlife Services. Enclosure 2 is the total amount that APHIS has spent 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 Analysis and Documentation, at 301-734-7681.

Sincerely,


Craig A. Reed
Administrator

2 Enclosures



APHIS - Protecting American Agriculture

An Equal Opportunity Employer

ENCLOSURE 1

ENDANGERED AND THREATENED SPECIES EXPENDITURES
BY SPECIES

<u>SPECIES PROTECTED</u>	<u>TOTAL COST</u>
`Akepa, Hawaii	6,294.00
`Akiapola`au	6,294.00
Bat, Gray	8,000.00
Bat, Indiana	500.00
Bat, Mariana fruit	15,000.00
Bear, grizzly	11,472.00
Bear, Louisiana black	9,525.00
Butterfly, Karner blue	1,000.00
Caribou, woodland	100.00
Coot, Hawaiian	30,424.00
Crane, whooping	990.00
Creeper, Hawaii	6,294.00
Creeper, Oahu	1,722.00
Crow, Mariana	15,000.00
Deer, Columbian white-tailed	12,437.00
Duck, Hawaiian	28,763.00
Eagle, bald	6,057.90
Falcon, American peregrine	19,390.00
Ferret, black-footed	43,311.00

Flycatcher, southwestern willow	4,649.00
Fox, San Joaquin kit	1,755.00
Frog, California red-legged	3,347.00
Goose, Aleutian Canada	71,814.00
Goose, Hawaiian	13,297.00
<i>Haplostachys haplostachya</i>	6,294.00
Harperella	391.00
<i>Hedyotis parvula</i>	3,524.00
Honeycreeper, crested	1,933.00
Jaguar	153.00
Kio'ele	6,294.00
Kulu'i	3,524.00
Lizard, island night	7,901.00
Moorhen, Hawaiian common	21,964.00
Moorhen, Mariana common	35,000.00
Mouse, Perdido Key beach	1,203.00
Mouse, salt marsh harvest	14,215.00
Na'ena'e	3524.00
<i>Neraudia angulata</i>	3,524.00
Paintbrush, golden	4,970.00
Palila	6,294.00
Parrot, Puerto Rican	8,600.00
Parrotbill, Maui	1,933.00

Pearlshell, Louisiana	5,319.00
Pelican, brown	974.00
Plover, piping	5,414.00
Plover, western snowy	101,983.00
Prairie-chicken, Attwater's greater	6,794.00
Prairie dog, Utah	6,566.00
Rail, California clapper	163,545.00
Rail, light-footed clapper	841.00
Salmon, chinook (Snake River fall run)	4,122.50
Salmon, chinook (Snake R. spring/summer run)	4,122.50
Salmon, coho	3,425.00
Salmon, sockeye	8,245.00
<i>Sanicula maritima</i>	3,524.00
Shearwater, Newell's Townsend's	5,310.00
Shrike, San Clemente loggerhead	333,338.00
<i>Silene lanceolata</i>	6,294.00
Snails, Oahu tree	3,524.00
Sparrow, Florida grasshopper	168.00
Spineymussel, Tar River	392.00
Steelhead (lower Columbia River)	102,341.33
Steelhead (Snake River Basin)	102,341.33
Steelhead (upper Columbia River Basin)	102,341.34

<i>Stenogyne angustifolia</i>	6,294.00
Stilt, Hawaiian	44,417.00
Stork, wood	1,400.00
Tern, California least	209,637.00
Tern, least	3,915.00
Tern, roseate	250.00
<i>Tetramolopium filiforme</i>	3,524.00
<i>Tetramolopium lepidotum</i>	6,294.00
Tortoise, desert	360.00
Trout, bull (Columbia River population)	3,200.00
Turtle, green sea (Atlantic)	3,849.00
Turtle, loggerhead sea (Atlantic)	3,849.00
Turtle, leatherback sea	3,849.00
Vireo, least Bell's	7,584.00
Wedgemussel, dwarf	391.00
Wolf, gray (including Mexican subspecies)	<u>401,362.00</u>
TOTAL	2,119,776.90

Lead Reg.	Group	Inverted Common Name	Status	A/NTS IN THOUSANDS OF \$\$\$	Lands	Grand Total
3	A	Bat, gray	E	8,000		
1	A	Bat, Hawaiian hoary	E			
3	A	Bat, Indiana	E	500		
2	A	Bat, lesser long-nosed	E			
1	A	Bat, little Mariana fruit	E			
1	A	Bat, Mariana fruit	E	15,000		
2	A	Bat, Mexican long-nosed	E			
2	A	Bat, Ozark big-eared	E			
5	A	Bat, Virginia big-eared	E			
6	A	Bear, grizzly	T	11,472		
4	A	Bear, Louisiana black	T	9,505		
1	A	Caribou, woodland	E	100		
5	A	Cougar, eastern	E			
1	A	Deer, Columbian white-tailed	E	12,437		
4	A	Deer, key	E			
6	A	Ferret, black-footed	E	43311		
1	A	Fox, San Joaquin kit	E	1,755		
2	A	Jaguar	E	153		
2	A	Jaguarundi	E			
2	A	Jaguarundi	E			
1	A	Kangaroo rat, Fresno	E			
1	A	Kangaroo rat, giant	E			
1	A	Kangaroo rat, Morro Bay	E			
1	A	Kangaroo rat, San Bernardino Merriam's	E			
1	A	Kangaroo rat, Stephens'	E			
1	A	Kangaroo rat, Tipton	E			
4	A	Manatee, West Indian (=Florida)	E			
1	A	Mountain beaver, Point Arena	E			
4	A	Mouse, Alabama beach	E			
4	A	Mouse, Anastasia Island beach	E			
4	A	Mouse, Choctawahatchee beach	E			
4	A	Mouse, Key Largo colton	E			
1	A	Mouse, Pacific pocket	E			
4	A	Mouse, Perdido Key beach	E	1,203		
6	A	Mouse, Preble's meadow jumping	T			
1	A	Mouse, salt marsh harvest	E	19,215		
4	A	Mouse, southeastern beach	T			
2	A	Ocelot	T			
1	A	Otter, southern sea	T			
4	A	Panther, Florida	T			
6	A	Prairie dog, Utah	T	6,566		
2	A	Pronghorn, Sonoran	E			
4	A	Rabbit, Lower Keys	E			
4	A	Rice rat (=silver rice rat)	E			
N	A	Sea-lion, Steller	E, T			
N	A	Seal, Caribbean monk	E			

Lead Reg.	Group	Inverted Common Name	Status	Ge. Gen.	Lands	Grand Total
N	A	Seal, guadalupe fur	T			
N	A	Seal, Hawaiian monk	E			
1	A	Sheep, bighorn (Peninsular Ranges pop. in CA)	E			
5	A	Shrew, Dismal Swamp southeastern	T			
4	A	Squirrel, Carolina northern flying	E			
5	A	Squirrel, Delmarva Peninsula fox	E			
2	A	Squirrel, Mount Graham red	E			
5	A	Squirrel, Virginia northern flying	E			
1	A	Vole, Amargosa	E			
4	A	Vole, Florida salt marsh	E			
2	A	Vole, Hualapai Mexican	E			
N	A	Whale, blue	E			
N	A	Whale, bowhead	E			
N	A	Whale, finback	E			
N	A	Whale, gray	E			
N	A	Whale, humpback	E			
N	A	Whale, right	E			
N	A	Whale, Sei	E			
N	A	Whale, sperm	E			
3	A	Wolf, gray	E, T	101,362		
4	A	Wolf, red	E			
4	A	Woodrat, Key Largo	E			
1	B	Akepa, Hawaii (honeycreeper)	E	6,299		
1	B	Akepa, Maui (honeycreeper)	E			
1	B	Akialoa, Kauai (honeycreeper)	E			
1	B	Akiapola'au (honeycreeper)	E	6,294		
4	B	Blackbird, yellow-shouldered	E			
2	B	Bobwhite, masked (quail)	E			
1	B	Broadbill, Guam	E			
4	B	Caracara, Audubon's crested	T			
1	B	Condor, California	E			
1	B	Coot, Hawaiian (= 'alae-ke'oke'o)	E	36,424		
4	B	Crane, Mississippi sandhill	E			
2	B	Crane, whooping	E	990		
1	B	Creeper, Hawaii	E	6,299		
1	B	Creeper, Molokai (=kakawahie)	E			
1	B	Creeper, Oahu (=alauwahio)	E	1,722		
1	B	Crow, Hawaiian (= 'alala)	E			
1	B	Crow, Mariana	E	15,000		
4	B	Crow, white-necked	E			
7	B	Curllew, Eskimo	E			
1	B	Duck, Hawaiian (=koloa)	E	28,763		
1	B	Duck, Laysan	E			
3	B	Eagle, bald	T	6,057.90		
7	B	Eider, spectacled	T			

Lead Reg.	Group	Inverted Common Name	Status	Acres	ITS IN THOUSANDS OF \$\$\$	Lands	Grand Total
7	B	Eider, Steller's	T				
1	B	Falcon, American peregrine	E		19,390		
2	B	Falcon, northern aplomado	E				
1	B	Finch, Laysan (honeycreeper)	E				
1	B	Finch, Nihoa (honeycreeper)	E				
2	B	Flycatcher, southwestern willow	E		4,649		
1	B	Gnatcatcher, coastal California	T				
7	B	Goose, Aleutian Canada	T		71,014		
1	B	Goose, Hawaiian (=nene)	E		13,297		
1	B	Hawk, Hawaiian (=io)	E				
4	B	Hawk, Puerto Rican broad-winged	E				
4	B	Hawk, Puerto Rican sharp-shinned	E				
1	B	Honeycreeper, crested (=akohekohe)	E		1,933		
4	B	Jay, Florida scrub	T				
1	B	Kingfisher, Guam Micronesian	E				
4	B	Kite, Everglade snail	E				
1	B	Mallard, Mariana	E				
1	B	Megapode, Micronesian (=La Perouse's)	E				
1	B	Millerbird, Nihoa (old world warbler)	E				
1	B	Monarch, Tinian (old world flycatcher)	T				
1	B	Moorhen, Hawaiian common	E		21,964		
1	B	Moorhen, Mariana common	E		35,000		
1	B	Murrelet, marbled	T				
4	B	Nightjar, Puerto Rican	E				
1	B	Nukupu'u (honeycreeper)	E				
1	B	O'o, Kauai (=o'o'a'a) (honeyeater)	E				
1	B	O'u (honeycreeper)	E				
2	B	Owl, Mexican spotted	T				
1	B	Owl, northern spotted	T				
1	B	Palila (honeycreeper)	E		6,294		
4	B	Parrot, Puerto Rican	E		8,600		
1	B	Parrotbill, Maui (honeycreeper)	E		1,933		
1	B	Pelican, brown	E		1,974		
1	B	Petrel, Hawaiian dark-rumped	E				
4	B	Pigeon, Puerto Rican plain	E				
3	B	Plover, piping	E, T		5,414		
1	B	Plover, western snowy	T		101,903		
1	B	Po'ouli (honeycreeper)	E				
2	B	Prairie-chicken, Altwater's greater	E		6,794		
2	B	Pygmy-owl, cactus ferruginous	E				
1	B	Rail, California clapper	E		163,545		
1	B	Rail, Guam	E				
1	B	Rail, light-footed clapper	E		841		
2	B	Rail, Yuma clapper	E				
1	B	Shearwater, Newell's Townsend's (formerly Man	T		5,310		

Lead Reg.	Group	Inverted Common Name	Status	A	VTS IN	Grand Total
1	B	Shrike, San Clemente loggerhead	E		333,338	
4	B	Sparrow, Cape Sable seaside	E			
4	B	Sparrow, Florida grasshopper	E		168	
1	B	Sparrow, San Clemente sage	T			
1	B	Stilt, Hawaiian (=ae'o)	E		44,917	
4	B	Stork, wood	E		1,400	
1	B	Swiftlet, Mariana gray (=vanikoro)	E			
1	B	Tern, California least	E		209,637	
3	B	Tern, least	E		3,915	
5	B	Tern, roseate	E, T		250	
1	B	Thrush, large Kauai	E			
1	B	Thrush, Molokai (=oloma'o)	E			
1	B	Thrush, small Kauai (=puaiohi)	E			
2	B	Towhee, Inyo California (=brown)	T			
2	B	Vireo, black-capped	E			
1	B	Vireo, least Bell's	E		7,589	
4	B	Warbler, Bachman's	E			
2	B	Warbler, golden-cheeked	E			
3	B	Warbler, Kirtland's	E			
1	B	Warbler, nightingale reed	E			
1	B	White-eye, bridled	E			
4	B	Woodpecker, ivory-billed	E			
4	B	Woodpecker, red-cockaded	E			
4	C	Anole, Culebra Island giant	E			
4	C	Boa, Mona	T			
4	C	Boa, Puerto Rican	E			
4	C	Boa, Virgin Islands tree	E			
4	C	Crocodile, American	E			
4	C	Gecko, Monito	E			
4	C	Iguana, Mona ground	T			
1	C	Lizard, blunt-nosed leopard	E			
1	C	Lizard, Coachella Valley fringe-toed	T			
1	C	Lizard, Island night	T		7,901	
4	C	Lizard, St. Croix ground	E			
2	C	Rattlesnake, New Mexican ridge-nosed	T			
4	C	Skink, bluetail mole	T			
4	C	Skink, sand	T			
4	C	Snake, Atlantic salt marsh	T			
2	C	Snake, Concho water	T			
3	C	Snake, copperbelly water (northern pop.)	T			
4	C	Snake, eastern indigo	T			
1	C	Snake, giant garter	T			
1	C	Snake, San Francisco garter	E			
1	C	Tortoise, desert	T			
4	C	Tortoise, gopher	T		360	

Lead Reg.	Group	Inverted Common Name	Status	A G.	NTS IN THOUSANDS OF \$\$\$	al	Lands	Grand Total
4	C	Turtle, Alabama redbelly (=red-bellied)	E					
5	C	Turtle, bog (=Muhlenberg)	T					
4	C	Turtle, flattened musk	T					
2	C	Turtle, green sea	E, T		3,849			
2	C	Turtle, hawksbill sea (=carey)	E					
2	C	Turtle, Kemp's ridley sea	E					
2	C	Turtle, leatherback sea	E		3,849			
2	C	Turtle, loggerhead sea	T		3,849			
2	C	Turtle, olive ridley sea	E, T					
5	C	Turtle, Plymouth redbelly (=red-bellied)	E					
4	C	Turtle, ringed map (=sawback)	T					
4	C	Turtle, yellow-blotched map (=sawback)	T					
1	C	Whipsnake, (=striped racer) Alameda	T					
4	D	Coqui, golden	T					
1	D	Frog, California red-legged	T		3,347			
4	D	Guajon	T					
2	D	Salamander, Barton Springs	E					
5	D	Salamander, Cheat Mountain	T					
1	D	Salamander, desert slender	E					
4	D	Salamander, Red Hills	T					
2	D	Salamander, San Marcos	T					
1	D	Salamander, Santa Cruz long-toed	E					
5	D	Salamander, Shenandoah	E					
2	D	Salamander, Sonoran tiger	E					
2	D	Salamander, Texas blind	E					
1	D	Toad, Arroyo southwestern	E					
2	D	Toad, Houston	E					
4	D	Toad, Puerto Rican crested	T					
6	D	Toad, Wyoming	E					
2	E	Catfish, Yaqui	T					
4	E	Cavefish, Alabama	E					
4	E	Cavefish, Ozark	T					
6	E	Chub, bonytail	E					
1	E	Chub, Borax Lake	E					
2	E	Chub, Chihuahua	T					
6	E	Chub, humpback	E					
1	E	Chub, Hutton tui	T					
1	E	Chub, Mohave tui	E					
1	E	Chub, Oregon	E					
1	E	Chub, Owens tui	E					
1	E	Chub, Pahrnagat roundtail (=bonytail)	E					
4	E	Chub, slender	T					
2	E	Chub, Sonora	T					
4	E	Chub, spotfin (=turquoise shiner)	T					
6	E	Chub, Virgin River	E					

Lead Reg.	Group	Inverted Common Name	Status	A	NTS IN	Grand Total
			Ge	al	Lands	
2	E	Chub, Yaqui	E			
1	E	Cui-ui	E			
1	E	Dace, Ash Meadows speckled	E			
4	E	Dace, blackside	T			
1	E	Dace, Clover Valley speckled	E			
1	E	Dace, desert	T			
1	E	Dace, Foskett speckled	T			
1	E	Dace, Independence Valley speckled	E			
6	E	Dace, Kendall Warm Springs	E			
1	E	Dace, Moapa	E			
4	E	Darter, amber	E			
4	E	Darter, bayou	T			
4	E	Darter, bluemask (=jewel)	E			
4	E	Darter, boulder (=Elk River)	E			
4	E	Darter, Cherokee	T			
4	E	Darter, duskytail	E			
4	E	Darter, Etowah	E			
2	E	Darter, fountain	E			
4	E	Darter, goldline	T			
2	E	Darter, leopard	T			
5	E	Darter, Maryland	E			
3	E	Darter, Niangua	T			
4	E	Darter, Okaloosa	E			
4	E	Darter, relict	E			
4	E	Darter, slackwater	T			
4	E	Darter, snail	T			
4	E	Darter, watercress	E			
2	E	Gambusia, Big Bend	E			
2	E	Gambusia, Clear Creek	E			
2	E	Gambusia, Pecos	E			
2	E	Gambusia, San Marcos	E			
1	E	Goby, tidewater	E			
4	E	Logperch, Conasauga	E			
5	E	Logperch, Roanoke	E			
6	E	Madtom, Neosho	T			
4	E	Madtom, pygmy	E			
3	E	Madtom, Scioto	E			
4	E	Madtom, Smoky	E			
4	E	Madtom, yellowfin	T			
2	E	Minnnow, loach	T			
2	E	Minnnow, Rio Grande silvery	E			
1	E	Poolfish, Pahrump	E			
1	E	Pupfish, Ash Meadows Amargosa	E			
2	E	Pupfish, Comanche Springs	E			
2	E	Pupfish, desert	E			

Lead Reg.	Group	Inverted Common Name	Status	A' G.	VTS IN	Lands	Grand Total
1	E	Pupfish, Devils Hole	E				
2	E	Pupfish, Leon Springs	E				
1	E	Pupfish, Owens	E				
1	E	Pupfish, Warm Springs	E				
N	E	Salmon, chinook, Sacramento R. winter run	T				
N	E	Salmon, chinook, Snake R. fall run	T		4,122.50		
N	E	Salmon, chinook, Snake R. spring/summer run	T		4,122.50		
N	E	Salmon, coho	T		3,425		
N	E	Salmon, sockeye (=red, =blueback), Snake R.	E		8,295		
4	E	Sculpin, pygmy	T				
2	E	Shiner, beautiful	T				
4	E	Shiner, blue	T				
4	E	Shiner, Cahaba	E				
4	E	Shiner, Cape Fear	E				
4	E	Shiner, Palezone	E				
2	E	Shiner, Pecos bluntnose	T				
4	E	Silverside, Waccamaw	T				
1	E	Smelt, delta	T				
2	E	Spinedace	T				
1	E	Spinedace, Big Spring	T				
2	E	Spinedace, Little Colorado	T				
1	E	Spinedace, White River	E				
1	E	Springfish, Hiko White River	E				
1	E	Springfish, Railroad Valley	T				
1	E	Springfish, White River	E				
6	E	Squawfish, Colorado	E				
N	E	Steelhead (central CA coast)	T				
N	E	Steelhead (Central Valley CA)	T				
N	E	Steelhead (lower Columbia R.)	T		102,311.33		
N	E	Steelhead (Snake R. Basin)	T		100,311.33		
N	E	Steelhead (south central CA coast)	T				
N	E	Steelhead (southern CA coast)	E				
N	E	Steelhead (upper Columbia R. Basin)	E		102,311.31		
1	E	Stickleback, unarmored threespine	E				
4	E	Sturgeon, Gulf	T				
6	E	Sturgeon, pallid	E				
N	E	Sturgeon, shortnose	E				
1	E	Sturgeon, white (Kootenai River pop.)	E				
6	E	Sucker, June	E				
1	E	Sucker, Lost River	E				
1	E	Sucker, Modoc	E				
6	E	Sucker, razorback	E				
1	E	Sucker, shortnose	E				
1	E	Sucker, Warner	T				
2	E	Topminnow, Gila (incl. Yaqui)	E				

Lead Reg.	Group	Inverted Common Name	Status	A	NTS IN	NUMBER OF	\$\$\$	Lands	Grand Total
2	E	Trout, Apache (=Arizona)	T						
1	E	Trout, bull (Columbia R. pop.)	T						
1	E	Trout, bull (Jarbridge R. pop.)	E						
1	E	Trout, bull (Klamath R. pop.)	T						
2	E	Trout, Gila	E						
6	E	Trout, greenback cutthroat	T						
1	E	Trout, Lahontan cutthroat	T						
1	E	Trout, Little Kern golden	T						
1	E	Trout, Paiute cutthroat	T						
N	E	Trout, Umpqua River cutthroat	E						
6	E	Woundfin	E						
4	F	Acornshell, southern	E						
4	F	Bankclimber (mussel), purple	T						
4	F	Bean, purple (=Fine-rayed purple pearly mussel)	E						
5	F	Clubshell	E						
4	F	Clubshell, black (=Curtus' mussel)	E						
4	F	Clubshell, ovate	E						
4	F	Clubshell, southern	E						
4	F	Combshell, Cumberlandian	E						
4	F	Combshell, southern (=penitent mussel)	E						
4	F	Combshell, upland	E						
4	F	Elktoe, Appalachian	E						
4	F	Elktoe, Cumberland	E						
4	F	Fanshell	E						
4	F	Fatmucket, Arkansas	T						
4	F	Heelsplitter, Carolina	E						
4	F	Heelsplitter, inflated	T						
4	F	Kidneyshell, triangular	E						
4	F	Lampmussel, Alabama (=Pearly mussel, Alabama)	E						
4	F	Moccasinshell, Alabama	T						
4	F	Moccasinshell, Coosa	E						
4	F	Moccasinshell, Gulf	E						
4	F	Moccasinshell, Ochlockonee	E						
4	F	Mucket, orange-nacre	T						
5	F	Mussel, dwarf wedge	E						
4	F	Mussel, oyster	E						
4	F	Mussel, ring pink (=golf stick pearly)	E						
3	F	Mussel, winged mapleleaf	E						
4	F	Pearlshell, Louisiana	T						
4	F	Pearlymussel, Appalachian monkeyface	E						
4	F	Pearlymussel, birdwing	E						
4	F	Pearlymussel, cracking	E						
4	F	Pearlymussel, Cumberland bean	E						
4	F	Pearlymussel, Cumberland monkeyface	E						
3	F	Pearlymussel, Curtis'	E						

A NTS IN NUMBER OF \$\$\$

Status G al Lands Grand Total

3,200

391

5,319

Lead Reg.	Group	Inverted Common Name	A ITS IN THOUSANDS OF \$\$\$			
			Status	General	Lands	Grand Total
4	F	Pearlymussel, dromedary	E			
4	F	Pearlymussel, green-blossom	E			
3	F	Pearlymussel, Higgins' eye	E			
4	F	Pearlymussel, little-wing	E			
4	F	Pearlymussel, orange-foot pimpleback	E			
4	F	Pearlymussel, pale lilliput	E			
4	F	Pearlymussel, pink mucket	E			
4	F	Pearlymussel, purple cat's paw	E			
4	F	Pearlymussel, tubercled-blossom	E			
4	F	Pearlymussel, turgid-blossom	E			
3	F	Pearlymussel, white cat's paw	E			
4	F	Pearlymussel, white wartyback	E			
4	F	Pearlymussel, yellow-blossom	E			
4	F	Pigtoe (mussel), oval	E			
4	F	Pigtoe, Cumberland (=Cumberland pigtoe mussel)	E			
4	F	Pigtoe, dark	E			
4	F	Pigtoe, fine-rayed	E			
4	F	Pigtoe, flat (=Marshall's mussel)	E			
4	F	Pigtoe, heavy (=Judge Tail's mussel)	E			
4	F	Pigtoe, rough	E			
4	F	Pigtoe, shiny	E			
4	F	Pigtoe, southern	E			
4	F	Pocketbook (mussel), shinyrayed	E			
4	F	Pocketbook, fat	E			
4	F	Pocketbook, fine-lined	T			
4	F	Pocketbook, speckled	E			
4	F	Rabbitsfoot, rough	E			
5	F	Riffleshell, northern	E			
4	F	Riffleshell, tan	E			
2	F	Rock-pocketbook, Ouachita (=Wheeler's pearly	E			
4	F	Slabshell, Chipola	T			
5	F	Spinymussel, James River (=Virginia)	E			
4	F	Spinymussel, Tar River	E			
4	F	Stirrupshell	E			
4	F	Three-ridge (mussel), fat	E			
6	G	Ambersnail, Kanab	E			
1	G	Limpet, Banbury Springs	E			
4	G	Marstonia (snail), royal (=obese)	E			
4	G	Riversnail, Anthony's	E			
4	G	Shagreen, Magazine Mountain	T			
1	G	Snail, Bliss Rapids	T			
5	G	Snail, Chittenango ovate amber	T			
5	G	Snail, flat-spined three-toothed	T			
3	G	Snail, Iowa Pleistocene	E			
1	G	Snail, Morro shoulderband (=Banded dune)	E			

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			AMOUNTS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	G	Snail, noonday	T			
4	G	Snail, painted snake coiled forest	T			
1	G	Snail, Snake River physa	E			
4	G	Snail, Stock Island tree	T			
4	G	Snail, tulotoma (=Alabama live-bearing)	E			
1	G	Snail, Utah valvata	E			
5	G	Snail, Virginia fringed mountain	E			
1	G	Snails, Oahu tree	E			
2	G	Springsnail, Alamosa	E	3,504		
1	G	Springsnail, Bruneau Hot	E			
1	G	Springsnail, Idaho	E			
2	G	Springsnail, Socorro	E			
2	I	Beetle, Comal Springs riffle	E			
2	I	Beetle, Comal Springs dryopid	E			
1	I	Butterfly, Behren's silverspot	E			
1	I	Butterfly, callippe silverspot	E			
5	I	Beetle, American burying (=giant carrion)	E			
2	I	Beetle, Coffin Cave mold	E			
1	I	Beetle, delta green ground	T			
3	I	Beetle, Hungerford's crawling water	E			
2	I	Beetle, Kretschmarr Cave mold	E			
1	I	Beetle, Mount Hermon June	E			
5	I	Beetle, northeastern beach tiger	T			
5	I	Beetle, Puritan tiger	T			
2	I	Beetle, Tooth Cave ground	E			
1	I	Beetle, valley elderberry longhorn	T			
1	I	Butterfly, bay checkerspot	T			
1	I	Butterfly, El Segundo blue	E			
3	I	Butterfly, Karner blue	E	1,000		
1	I	Butterfly, Lange's metalmark	E			
1	I	Butterfly, lotis blue	E			
1	I	Butterfly, mission blue	E			
3	I	Butterfly, Mitchell's satyr	E			
1	I	Butterfly, Myrtle's silverspot	E			
1	I	Butterfly, Oregon silverspot	T			
1	I	Butterfly, Palos Verdes blue	E			
1	I	Butterfly, Quino checkerspot	E			
4	I	Butterfly, Saint Francis' satyr	E			
1	I	Butterfly, San Bruno elfin	E			
4	I	Butterfly, Schaus swallowtail	E			
1	I	Butterfly, Smith's blue	E			
6	I	Butterfly, Uncompahgre fritillary	E			
3	I	Dragonfly, Hine's (=Ohio) emerald	E			
1	I	Fly, Delhi Sands flower-loving	E			
1	I	Grasshopper, Zayante band-winged	E			

Lead Reg.	Group	Inverted Common Name	Status	Ge. al	Lands	Grand Total
1	I	Moth, Kern primrose sphinx	T			
1	I	Naucorid, Ash Meadows	T			
1	I	Skipper, Laguna Mountains	E			
6	I	Skipper, Pawnee montane	T			
2	J	Harvestman, Bee Creek Cave	E			
2	J	Harvestman, Bone Cave	E			
2	J	Pseudoscorpion, Tooth Cave	E			
4	J	Spider, spruce-fir moss	E			
2	J	Spider, Tooth Cave	E			
5	K	Amphipod, Hay's Spring	E			
3	K	Amphipod, Illinois cave	E			
2	K	Amphipod, Peck's cave	E			
4	K	Crayfish, cave [no common name]	E			
4	K	Crayfish, cave [no common name]	E			
4	K	Crayfish, Nashville	E			
1	K	Crayfish, Shasta (=placid)	E			
1	K	Fairy shrimp, Conservancy	E			
1	K	Fairy shrimp, longhorn	E			
1	K	Fairy shrimp, riverside	E			
1	K	Fairy shrimp, San Diego	E			
1	K	Fairy shrimp, vernal pool	T			
5	K	Isopod, Lee County cave	E			
5	K	Isopod, Madison Cave	T			
2	K	Isopod, Socorro	E			
4	K	Shrimp, Alabama cave	E			
1	K	Shrimp, California freshwater	E			
4	K	Shrimp, Kentucky cave	E			
4	K	Shrimp, Squirrel Chimney Cave (=Florida cave)	T			
1	K	Tadpole shrimp, vernal pool	E			
1	Q	Abutilon eremitopetalum (=Sci name)	E			
1	Q	Abutilon sandwicense (=Sci name)	E			
1	Q	Achyranthes mutica (=Sci. name)	E			
1	Q	A'e	E			
1	Q	A'e	E			
2	Q	Agave, Arizona	E			
1	Q	Aiakeakua, popolo	E			
1	Q	Aiea	E			
1	Q	Aiea	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko, Ewa Plains	E			

Lead Reg.	Group	Inverted Common Name	AP Status	YTS IN	LANDS	GRAND TOTAL
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Allocarya, Calistoga	E			
1	Q	Alopecurus, Sonoma	E			
1	Q	Alsinidendron obovatum (=Sci name)	E			
1	Q	Alsinidendron trinerve (=Sci name)	E			
1	Q	Alsinidendron viscosum (=Sci. name)	E			
1	Q	Amaranthus brownii (=Sci. name)	E			
4	Q	Amaranth, seabeach	T			
2	Q	Ambrosia, south Texas	E			
4	Q	Amphianthus, little	T			
1	Q	Anaunau	E			
1	Q	Anunu	E			
4	Q	Aristida chaseae (=Sci name)	E			
4	Q	Arrowhead, bunched	E			
3	Q	Aster, decurrent false	T			
4	Q	Aster, Florida golden	E			
4	Q	Aster, Ruth's golden	E			
4	Q	Auerodendron pauciflorum (=Sci name)	E			
1	Q	Aupaka	E			
1	Q	Aupaka	E			
1	Q	Aupaka	T			
4	Q	Avens, spreading	E			
1	Q	Awikiwiki	E			
1	Q	Awiji	E			
1	Q	Awiji	E			
2	Q	Ayenia, Texas	E			
1	Q	Baccharis, Encinitis	T			
1	Q	Barberry, island	E			
1	Q	Barberry, Truckee	E			
4	Q	Bariaco	E			
5	Q	Beaked-rush, Knieskern's	T			
6	Q	Beardtongue, Penland	E			
4	Q	Beargrass, Britton's	E			
6	Q	Bear-poppy, dwarf	E			

Lead Reg.	Group	Inverted Common Name	Status	Acres	NTS IN	Lands	Grand Total
4	Q	Beauty, Harper's	E				
1	Q	Bedstraw, El Dorado	E				
1	Q	Bedstraw, island	E				
4	Q	Bellflower, Brooksville	E				
1	Q	Bidens, cuneate	E				
5	Q	Birch, Virginia round-leaf	T				
1	Q	Bird's beak, palmate-bracted	E				
1	Q	Bird's-beak, Pennell's	E				
1	Q	Bird's-beak, salt marsh	E				
1	Q	Bird's-beak, soft	E				
4	Q	Birds-in-a-nest, white	T				
4	Q	Bittercress, small-anthered	E				
6	Q	Bladderpod, Dudley Bluffs	T				
6	Q	Bladderpod, kodachrome	E				
4	Q	Bladderpod, lyrate	T				
3	Q	Bladderpod, Missouri	E				
1	Q	Bladderpod, San Bernardino Mountains	E				
4	Q	Bladderpod, Spring Creek	E				
2	Q	Bladderpod, white	E				
1	Q	Blazingstar, Ash Meadows	T				
4	Q	Blazingstar, Heller's	T				
4	Q	Blazingstar, scrub	E				
1	Q	Bluecurls, Hidden Lake	T				
1	Q	Bluegrass, Hawaiian	E				
1	Q	Bluegrass, Mann's	E				
1	Q	Bluegrass, Napa	E				
1	Q	Bluegrass, San Bernardino	E				
2	Q	Blue-star, Kearney's	E				
4	Q	Bluet, Roan Mountain	E				
1	Q	Bonamia menziesii (=Sci name)	E				
4	Q	Bonamia, Florida	T				
4	Q	Boxwood, Vahl's	E				
1	Q	Brodiaea, Chinese Camp	T				
1	Q	Broom, San Clemente Island	E				
1	Q	Buckwheat, cushenbury	E				
4	Q	Buckwheat, scrub	T				
1	Q	Buckwheat, steamboat	E				
5	Q	Bulrush, Northeastern (=barbed bristle)	E				
3	Q	Bush-clover, prairie	T				
1	Q	Bush-mallow, San Clemente Island	E				
1	Q	Bush-mallow, Santa Cruz Island	E				
6	Q	Buttercup, autumn	E				
1	Q	Butterweed, Layne's	T				
4	Q	Butterwort, Godfrey's	T				
1	Q	Button-celery, San Diego	E				

Lead Reg.	Group	Inverted Common Name	Status	Acres	ITS INVENTORY \$\$\$	Lands	Grand Total
4	Q	Bulton, Mohr's Barbara	T				
2	Q	Cactus, Arizona hedgehog	E				
1	Q	Cactus, Bakersfield	E				
2	Q	Cactus, black lace	E				
2	Q	Cactus, Brady pincushion	E				
2	Q	Cactus, bunched cory	T				
2	Q	Cactus, Chisos Mtn. hedgehog	T				
2	Q	Cactus, Cochise pincushion	T				
4	Q	Cactus, Key tree	E				
2	Q	Cactus, Knowlton	E				
2	Q	Cactus, Kuenzler hedgehog	E				
2	Q	Cactus, Lee pincushion	T				
2	Q	Cactus, Lloyd's hedgehog	E				
2	Q	Cactus, Lloyd's Mariposa	T				
2	Q	Cactus, Mesa Verde	T				
2	Q	Cactus, Nellie cory	E				
2	Q	Cactus, Nichol's Turk's head	E				
2	Q	Cactus, Peebles Navajo	E				
2	Q	Cactus, Pima pineapple	E				
6	Q	Cactus, San Rafael	E				
2	Q	Cactus, Siler pincushion	T				
2	Q	Cactus, Sneed pincushion	E				
2	Q	Cactus, star	E				
2	Q	Cactus, Tobusch fishhook	E				
6	Q	Cactus, Unita Basin hookless	T				
6	Q	Cactus, Winkler	T				
6	Q	Cactus, Wright fishhook	E				
4	Q	Calyptanthes thomasiana (=Sci name)	E				
4	Q	Campion, fringed	E				
4	Q	Capa rosa	E				
2	Q	Cat's-eye, Terlingua Creek	E				
1	Q	Ceanothus, coyote (=California-lilac, Coyote	E				
1	Q	Ceanothus, Pine Hill	E				
1	Q	Centauray, spring-loving	T				
1	Q	Chaff-flower, round-leaved	E				
4	Q	Chaffseed, American	E				
4	Q	Chamaecrista glandulosa var. mirabilis (=Sci	E				
1	Q	Chamaesyce halemanui (=Sci name)	E				
1	Q	Checker-mallow, Kenwood Marsh	E				
1	Q	Checker-mallow, Nelson's	T				
1	Q	Checker-mallow, pedate	E				
4	Q	Chumbo, higo	T				
4	Q	Chupacallos (=Chupagallo)	E				
5	Q	Cinquefoil, Robbins'	E				
1	Q	Clarkia, Pismo	E				

Lead	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Clarkia, Presidio	E			
1	Q	Clarkia, Springville	T			
1	Q	Clarkia, Vine Hill	E			
2	Q	Cliff-rose, Arizona	E			
1	Q	Clover, Monterey (=Del Monte)	E			
3	Q	Clover, running buffalo	E			
1	Q	Clover, showy Indian	E			
4	Q	Coneflower, smooth	E			
4	Q	Coneflower, Tennessee purple	E			
4	Q	Cordia bellonis	E			
4	Q	Cranichis ricartii (=Sci name)	E			
6	Q	Cress, toad-flax	E			
1	Q	Crownbeard, big-leaved	T			
1	Q	Cyanea macrostegia ssp. gibsonii (=Sci name)	E			
1	Q	Cyanea superba (=Sci name)	E			
1	Q	Cyanea undulata (=Sci name)	E			
2	Q	Cycladenia, Jones	T			
3	Q	Daisy, lakeside	T			
6	Q	Daisy, Maguire	E			
1	Q	Daisy, Parish's	T			
4	Q	Daphnopsis hellerana (=Sci name)	E			
2	Q	Dawn-flower, Texas prairie	E			
1	Q	Delissea rhytidosperra (=Sci name)	E			
1	Q	Delissea undulata (=Sci name)	E			
2	Q	Dogweed, ashy	E			
4	Q	Dropwort, Canby's	E			
1	Q	Dubautia latifolia (=Sci name)	E			
1	Q	Dubautia pauciflorula (=Sci name)	E			
1	Q	Dudleya, Conejo	T			
1	Q	Dudleya, Marcescent	T			
1	Q	Dudleya, Santa Clara Valley	E			
1	Q	Dudleya, Santa Cruz Island	T			
1	Q	Dudleya, Verity's	T			
1	Q	Dudleyea, Santa Monica Mountains	T			
1	Q	Dwarf-flax, Marin	T			
4	Q	Erubia	E			
4	Q	Eugenia woodburyana (=Sci name)	E			
1	Q	Evening-primrose, Antioch Dunes	E			
1	Q	Evening-primrose, Eureka Valley	E			
1	Q	Evening-primrose, San Benito	T			
1	Q	Fiddleneck, Large-flowered	E			
1	Q	Flannelbush, Pine Hill	E			
2	Q	Fleabane, Rhizome	T			
1	Q	Four-o'clock, MacFarlane's	E			
2	Q	Frankenia, Johnston's	E			

Lead Reg.	Group	Inverted Common Name	Status G.	A/	YTS IN THOUSANDS OF \$\$\$	Lands	Grand Total
1	Q	Fringepod (=lacepod), Santa Cruz Island	E				
1	Q	Gahnia lanaiensis (=Sci name)	E				
1	Q	Gardenia, Hawaiian (na'u)	E				
4	Q	Geocarpon minimum (=Sci name)	T				
1	Q	Geranium, Hawaiian red-flowered	E				
5	Q	Gerardia, sandplain	E				
4	Q	Gesneria pauciflora (=Sci name)	T				
1	Q	Gilia, Hoffmann's slender-flowered	E				
1	Q	Gilia, Monterey	E				
4	Q	Goetzea, beautiful (matabuey)	E				
4	Q	Goldenrod, Blue Ridge	T				
3	Q	Goldenrod, Houghton's	T				
4	Q	Goldenrod, Short's	E				
4	Q	Goldenrod, white-haired	T				
1	Q	Goldfields, Burke's	E				
1	Q	Goldfields, Contra Costa	E				
4	Q	Gooseberry, Miccosukee (Florida)	T				
1	Q	Gouania hillebrandii (=Sci name)	E				
1	Q	Gouania meyenii (=Sci name)	E				
1	Q	Gouania vitifolia (=Sci name)	E				
4	Q	Gourd, Okeechobee	E				
1	Q	Grass, California Orcutt	E				
1	Q	Grass, Colusa	T				
1	Q	Grass, Eureka Dune	E				
1	Q	Grass, Solano	E				
4	Q	Grass, Tennessee yellow-eyed	E				
4	Q	Ground-plum, Guthrie's	E				
2	Q	Groundsel, San Francisco Peaks	T				
1	Q	Gumplant, Ash Meadows	T				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				
1	Q	Haha	E				

Lead Reg.	Group	Inverted Common Name	Status	Ge. al	Lands	Grand Total
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	T			
1	Q	Ha'iwale	E			
1	Q	Hala pepe	E			
1	Q	Haplostachys haplostachya (=Sci name)	E		6,294	
4	Q	Harebells, Avon Park	E			
5	Q	Harperella	E		391	
1	Q	Hau kuahiwi	E			
1	Q	Hau kuahiwi	E			
1	Q	Hau kuahiwi, Hualalai	E			
4	Q	Heartleaf, dwarf-flowered	T			
4	Q	Heather, mountain golden	T			
1	Q	Heau	E			
1	Q	Hedyotis degeneri (=Sci name)	E			
1	Q	Hedyotis parvula (=Sci name)	E		3,529	
1	Q	Hedyotis, Na Pali beach	E			
1	Q	Hesperomannia arborescens (=Sci name)	E			
1	Q	Hesperomannia arbuscula (=Sci name)	E			
1	Q	Hesperomannia lydgatei (=Sci name)	E			
1	Q	Hibiscus, Clay's	E			
4	Q	Higuero de Sierra	E			
1	Q	Holei	E			
4	Q	Holly, Cook's	E			
6	Q	Howellia, water	T			
4	Q	Hypericum, highlands scrub	E			
4	Q	Ilex sintenisii (=Sci name)	E			
1	Q	Iliau, dwarf	E			
1	Q	Indian paintbrush, San Clemente Island	E			
2	Q	Ipomopsis, Holy Ghost	E			
4	Q	Irisette, white	E			
3	Q	Iris, dwarf lake	T			
1	Q	Ischaemum, Hilo	E			
1	Q	Ivesia, Ash Meadows	T			

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Jacquemontia, beach	E			
1	Q	Jewelflower, California	E			
1	Q	Jewelflower, Metcalf Canyon	E			
1	Q	Jewelflower, Tiburon	E			
5	Q	Joint-vetch, sensitive	T			
1	Q	Kamakahala	E			
1	Q	Kamakahala	E			
1	Q	Kamakahala	E			
1	Q	Kauai hau kuahiwi	E			
1	Q	Kaula	E			
1	Q	Kaulu	E			
1	Q	Kio'ele	E			
1	Q	Kiponapona	E			
1	Q	Koki'o (=hau-hele'ula or Hawaii tree cotton)	E			
1	Q	Koki'oke'oke'o	E			
1	Q	Koki'oke'oke'o	E			
1	Q	Koki'o, Cooke's	E			
1	Q	Koki'o, Kaua'i	E			
1	Q	Kolea	E			
1	Q	Kolea	T			
1	Q	Ko'oko'olau	E			
1	Q	Ko'oko'olau	E			
1	Q	Ko'oloa'ula	E			
1	Q	Kuahiwi, laukahi	E			
1	Q	Kuahiwi, laukahi	E			
1	Q	Kuawawaenuhu	E			
1	Q	Kula, wahine noho	E			
1	Q	Kulu'i	E			
2	Q	Ladies'-tresses, Canelo Hills (=Madrean)	E			
2	Q	Ladies'-tresses, Navasota	E			
6	Q	Ladies'-tresses, Ute	T			
1	Q	Lagu, Hyan	E			
1	Q	Larkspur, San Clemente Island	E			
1	Q	Lau'ehu	E			
1	Q	Laulihilihi (=Ma'oli'oli)	E			
1	Q	Layia, beach	E			
4	Q	Lead-plant, Crenulate	E			
4	Q	Leather flower, Alabama	E			
4	Q	Leather flower, Morefield's	E			
4	Q	Lepanthes eltoroensis (=Sci name)	E			
4	Q	Leptocereus grantianus (=Sci name)	E			
1	Q	Lessingia, San Francisco	E			
1	Q	Liliwai	E			
3	Q	Lily, Minnesota trout	E			
1	Q	Lily, Pitkin Marsh	E			

6,294

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Lead	Group	Inverted Common Name	A ITS IN ACCOUNTS OF \$\$\$			
			Status	General	Lands	Grand Total
1	Q	Lily, Western	E			
1	Q	Lipochaeta venosa (=Sci name)	E			
1	Q	Liveforever, Santa Barbara Island	E			
1	Q	Lobelia gaudichaudii ssp. koolauensis , (=Sci. n	E			
1	Q	Lobelia monostachya (=Sci. name)	E			
1	Q	Lobelia niihauensis (=Sci name)	E			
1	Q	Lobelia oahuensis (=Sci name)	E			
3	Q	Locoweed, Fassett's	T			
1	Q	Lomatium, Bradshaw's	E			
4	Q	Loosestrife, rough-leaved	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
5	Q	Lousewort, Furbish	E			
1	Q	Love grass, Fosberg's	E			
1	Q	Lupine, clover	E			
4	Q	Lupine, scrub	E			
4	Q	Lyonia truncata var. proctorii (=Sci name)	E			
1	Q	Lysimachia filifolia (=Sci name)	E			
1	Q	Lysimachia lydgatei (=Sci name)	E			
1	Q	Lysimachia maxima (=ternifolia) (=Sci. name)	E			
1	Q	Ma'aloa, Big Island	E			
1	Q	Mahoe	E			
1	Q	Makou	T			
1	Q	Malacothrix, island	E			
1	Q	Mallow, Kern	E			
5	Q	Mallow, Peter's Mountain	E			
1	Q	Malacothrix, Santa Cruz Island	E			
4	Q	Manaca, palma de	T			
2	Q	Manioc, Walker's	E			
1	Q	Manzanita, Del Mar (=Costa Baja, =Eastwood's)	E			
1	Q	Manzanita, Morro	T			
1	Q	Manzanita, pallid	T			
1	Q	Manzanita, Presido (=Raven's)	E			
1	Q	Manzanita, Santa Rosa Island	E			
1	Q	Ma'ohau hele (=biscus, native yellow)	E			
1	Q	Ma'oli'oli	E			
1	Q	Ma'oli'oli	E			
1	Q	Mapele	E			
1	Q	Mariposa lily, Tiburon	T			
1	Q	Mariscus fauriei (=Sci name)	E			
1	Q	Mariscus pennatifomis (=Sci name)	E			

Lead Reg.	Group	Inverted Common Name	AMOUNTS IN THOUSANDS OF \$\$\$			
			Status	G	Lands	Grand Total
1	Q	Meadowfoam, Butte County	E			
1	Q	Meadowfoam, Sebastopol	E			
4	Q	Meadowrue, Cooley's	E			
1	Q	Mehamehame	E			
1	Q	Mesa-mint, Olay	E			
1	Q	Mesa-mint, San Diego	E			
4	Q	Milkpea, Small's	E			
1	Q	Milk-vetch, Applegate's	E			
1	Q	Milk-vetch, Ash meadows	T			
1	Q	Milk-vetch, Braunton's	E			
1	Q	Milk-vetch, Clara Hunt's	E			
1	Q	Milk-vetch, coastal dunes	E			
1	Q	Milk-vetch, Cushenbury	E			
6	Q	Milk-vetch, heliotrope	T			
5	Q	Milk-vetch, Jesup's	E			
2	Q	Milk-vetch, Mancos	E			
6	Q	Milk-vetch, Osterhout	E			
2	Q	Milk-vetch, Sentry	E			
3	Q	Milkweed, Mead's	T			
6	Q	Milkweed, Welsh's	T			
4	Q	Mint, Garrett's (=scrub, in part)	E			
4	Q	Mint, Lakela's	E			
4	Q	Mint, longspurred	E			
4	Q	Mint, scrub	E			
4	Q	Mitracarpus maxwelliae (=Sci name)	E			
4	Q	Mitracarpus polycladus (=Sci name)	E			
3	Q	Monkey-flower, Michigan	E			
3	Q	Monkshood, northern wild	T			
1	Q	Morning-glory, Stebbins'	E			
1	Q	Mountain balm, Indian Knob	E			
1	Q	Mountain-mahogany, Catalina Island	E			
1	Q	Munroidendron racemosum (=Sci name)	E			
4	Q	Mustard, Carter's	E			
6	Q	Mustard, Penland alpine fen	T			
1	Q	Mustard, slender-petaled	E			
4	Q	Myrcia paganii (=Sci name)	E			
1	Q	Na'ena'e	E			
1	Q	Nani wai'ale'ale	E			
1	Q	Nanu	E			
1	Q	Naupaka, dwarf	E			
1	Q	Navarretia, few-flowered	E			
1	Q	Navarretia, many-flowered	E			
4	Q	Negra, cobana	T			
1	Q	Nehe	E			
1	Q	Nehe	E			

3524

Lead Reg.	Group	Inverted Common Name	AP Status	YTS IN G.	LANDS	GRAND TOTAL
1	Q	Nehe	E			
1	Q	Nehe	E			
1	Q	Nehe	E			
1	Q	Nehe	E			
1	Q	Neraudia angulata (=Sci name)	E			
1	Q	Neraudia sericea (=Sci name)	E	3,524		
1	Q	Nioi	E			
1	Q	Niterwort, Amargosa	E			
1	Q	Nohoanu	E			
2	Q	Oak, Hinckley	T			
1	Q	Oha	E			
1	Q	Oha	E			
1	Q	Oha wai	E			
1	Q	Oha wai	E			
1	Q	Oha wai	E			
1	Q	Oha wai	E			
1	Q	Oha wai	E			
1	Q	Oha wai	E			
1	Q	Oha wai	E			
1	Q	Ohai	E			
1	Q	Ohe ohe	E			
1	Q	Olulu	E			
1	Q	Opuhe	E			
3	Q	Orchid, eastern prairie fringed	T			
3	Q	Orchid, western prairie fringed	T			
1	Q	Orcutt grass, Greene's	E			
1	Q	Orcutt grass, hairy (=pilose)	E			
1	Q	Orcutt grass, Sacramento	E			
1	Q	Orcutt grass, San Joaquin	T			
1	Q	Orcutt grass, slender	T			
1	Q	Owl's-clover, fleshy	T			
1	Q	Oxytheca, cushenbury	E			
1	Q	Paintbrush, ash-grey	T			
1	Q	Paintbrush, golden	T			
1	Q	Paintbrush, soft-leaved	E	4,970		
1	Q	Paintbrush, Tiburon	E			
4	Q	Palo colorado	E			
4	Q	Palo de jazmin	E			
4	Q	Palo de Nigua	E			
4	Q	Palo de Ramon	E			
1	Q	Pamakani	E			
1	Q	Pamakani	E			
1	Q	Panicgrass, Carter's	E			
1	Q	Pau'ala	E			
4	Q	Pawpaw, beautiful	E			
4	Q	Pawpaw, four-petal	E			

			A MOUNTS IN THOUSANDS OF \$\$\$			
Lead	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Pawpaw, Rugei's	E			
4	Q	Pelos del diablo	E			
2	Q	Pennyroyal, Todsen's	E			
6	Q	Penstemon, blowout	E			
1	Q	Pentachaeta, Lyon's	E			
1	Q	Pentachaeta, white-rayed	E			
4	Q	Peperomia, Wheeler's	E			
6	Q	Phacelia, clay	E			
1	Q	Phacelia, island	E			
6	Q	Phacelia, North Park	E			
2	Q	Phlox, Texas trailing	E			
1	Q	Phyllostegia glabra var. lanaiensis (=Sci nam	E			
1	Q	Phyllostegia hirsuta (=Sci. name)	E			
1	Q	Phyllostegia kaalaensis (=Sci. name)	E			
1	Q	Phyllostegia knudsenii , (=Sci. name)	E			
1	Q	Phyllostegia mannii (=Sci name)	E			
1	Q	Phyllostegia mollis (=Sci name)	E			
1	Q	Phyllostegia parviflora (=Sci. name)	E			
1	Q	Phyllostegia velutina (=Sci. name)	E			
1	Q	Phyllostegia waimeae (=Sci name)	E			
1	Q	Phyllostegia warshaueri (=Sci. name)	E			
1	Q	Phyllostegia wawrana , (=Sci. name)	E			
1	Q	Pilo	E			
4	Q	Pinkroot, gentian	E			
5	Q	Pink, swamp	T			
1	Q	Piperia, Yadon's	E			
2	Q	Pitaya, Davis' green	E			
4	Q	Pitcher-plant, Alabama canebrake	E			
4	Q	Pitcher-plant, green	E			
4	Q	Pitcher-plant, mountain sweet	E			
1	Q	Platanthera holochila (=Sci. name)	E			
4	Q	Plum, scrub	E			
1	Q	Poa siphonoglossa (=Sci name)	E			
1	Q	Po'e	E			
5	Q	Pogonia, small whorled	T			
4	Q	Polygala, Lewton's	E			
4	Q	Polygala, tiny	E			
4	Q	Pondberry	E			
2	Q	Pondweed, Little Aguja Creek	E			
1	Q	Popolo, ku mai (=Popolo, thorny)	E			
2	Q	Poppy-mallow, Texas	E			
2	Q	Poppy, Sacramento prickly	E			
4	Q	Potato-bean, Price's	T			
1	Q	Potentilla, Hickman's	E			
4	Q	Prairie-clover, leafy	E			

Lead Reg.	Group	Inverted Common Name	Status	A' NTS IN THOUSANDS OF \$\$\$	
				G.	Lands Grand Total
4	Q	Prickly-apple, fragrant	E		
4	Q	Prickly-ash, St. Thomas	E		
6	Q	Primrose, Maguire	T		
1	Q	Pritchardia remota (=Sci name)	E		
1	Q	Pussypaws, Mariposa	T		
1	Q	Pu'uka'a	E		
4	Q	Rattleweed, hairy	E		
6	Q	Reed-mustard, Barneby	E		
6	Q	Reed-mustard, clay	T		
1	Q	Remya kauaiensis (=Sci name)	E		
1	Q	Remya montgomeryi (=Sci name)	E		
1	Q	Remya, Maui	E		
4	Q	Rhododendron, Chapman	E		
6	Q	Ridge-cress (=pepper-cress), Barneby	E		
4	Q	Rock-cress	E		
1	Q	Rock-cress, Hoffmann's	E		
1	Q	Rock-cress, McDonald's	E		
1	Q	Rockcress, Santa Cruz Island	E		
5	Q	Rock-cress, shale barren	E		
1	Q	Rollandia crispa (=Sci name)	E		
4	Q	Rosa, palo de	E		
4	Q	Rosemary, Apalachicola	E		
4	Q	Rosemary, Cumberland	T		
4	Q	Rosemary, Etonia	E		
4	Q	Rosemary, short-leaved	E		
3	Q	Roseroot, Leedy's	T		
2	Q	Rush-pea, slender	E		
1	Q	Rush-rose, island	T		
1	Q	Sandalwood, Lanai or 'iliahi	E		
1	Q	Sandbur, agrimony or Kamanomano	E		
4	Q	Sandlace	E		
2	Q	Sand-verbena, large-fruited	E		
1	Q	Sandwort, Bear Valley	T		
4	Q	Sandwort, Cumberland	E		
1	Q	Sandwort, Marsh	E		
1	Q	Sanicula mariversa (=Sci name)	E		
1	Q	Sanicula purpurea (=Sci name)	E		
1	Q	Schiedea haleakalensis (=Sci name)	E		
1	Q	Schiedea helleri , (=Sci. name)	E		
1	Q	Schiedea hookeri (=Sci. name)	E		
1	Q	Schiedea kaalae (=Sci name)	E		
1	Q	Schiedea kauaiensis (=Sci. name)	E		
1	Q	Schiedea lydgatei (=Sci name)	E		
1	Q	Schiedea membranacea , (=Sci. name)	E		
1	Q	Schiedea nuttallii (=Sci. name)	E		

3,529

Lead	Group	Inverted Common Name	Status	Gu	Lands	Grand Total
1	Q	Schiedea sarmentosa (=Sci name)	E			
1	Q	Schiedea spergulina var. leiopoda (=Sci name)	E			
1	Q	Schiedea spergulina var. spergulina (=Sci name)	T			
1	Q	Schiedea verticillata (=Sci name)	E			
1	Q	Schiedea, Diamond Head	E			
4	Q	Schoepfia arenaria (=Sci name)	T			
1	Q	Seablite, California	E			
2	Q	Sedge, Navajo	T			
1	Q	Sedge, white	E			
1	Q	Silene alexandri (=Sci name)	E			
1	Q	Silene hawaiiensis (=Sci name)	T			
1	Q	Silene lanceolata (=Sci name)	E	6,214		
1	Q	Silene perlmantii (=Sci name)	E			
1	Q	Silversword, 'Ahinahina Mauna Kea	E			
1	Q	Silversword, Haleakala ('ahinahina)	E			
1	Q	Silversword, Ka'u	E			
4	Q	Skullcap, Florida	T			
4	Q	Skullcap, large-flowered	E			
4	Q	Snakeroot	E			
2	Q	Snowbells, Texas	E			
1	Q	Spermolepis hawaiiensis (=Sci name)	E			
1	Q	Spineflower, Ben Lomond	E			
1	Q	Spineflower, Howell's	E			
1	Q	Spineflower, Monterey	T			
1	Q	Spineflower, Orcutt's	E			
1	Q	Spineflower, Robust (incl. Scotts Valley)	E			
1	Q	Spineflower, slender-horned	E			
1	Q	Spineflower, Sonoma	E			
5	Q	Spiraea, Virginia	T			
4	Q	Spurge, deltoid	E			
4	Q	Spurge, Garber's	T			
1	Q	Spurge, Hoover's	T			
4	Q	Spurge, telephus	T			
1	Q	Stenogyne angustifolia (=Sci name)	E	6,214		
1	Q	Stenogyne bifida (=Sci name)	E			
1	Q	Stenogyne campanulata (=Sci name)	E			
1	Q	Stenogyne kanehoana (=Sci name)	E			
1	Q	Stoncrop, Lake County	E			
4	Q	Sumac, Michaux's	E			
1	Q	Sunburst, Hartweg's golden	E			
1	Q	Sunburst, San Joaquin adobe	T			
4	Q	Sunflower, Eggert's	T			
1	Q	Sunflower, San Mateo woolly	E			
4	Q	Sunflower, Schweinitz's	E			
1	Q	Sunray, Ash Meadows	T			

Lead Reg.	Group	Inverted Common Name	Status	A G	NTS IN THOUSANDS OF \$\$\$	Lands	Grand Total
1	Q	Sunshine, Sonoma (=Stickyseed, Baker's)	E				
1	Q	Taraxacum, California	E				
4	Q	Ternstroemia subsessilis (=Sci name)	E				
1	Q	Tetramolopium rockii (=Sci name)	T				
1	Q	Tetramolopium arenarium (=Sci name)	E				
1	Q	Tetramolopium filiforme (=Sci name)	E				
1	Q	Tetramolopium lepidotum ssp. lepidotum (=Sci name)	E		3,524		
1	Q	Tetramolopium remyi (=Sci name)	E		6,294		
1	Q	Thistle, Chorro Creek	E				
1	Q	Thistle, fountain	E				
1	Q	Thistle, Loch Lomond coyote	E				
3	Q	Thistle, Pitcher's	T				
2	Q	Thistle, Sacramento Mountains	T				
1	Q	Thistle, Suisun	E				
1	Q	Thornmint, San Mateo	E				
6	Q	Townsendia, Last Chance	T				
4	Q	Tree, pygmy fringe	E				
1	Q	Trematolobelia singularis (=Sci. name)	E				
4	Q	Trillium, persistent	E				
4	Q	Trillium, relict	E				
6	Q	Twinpod, Dudley Bluffs	T				
1	Q	Uhiuhi	E				
4	Q	Uvillo	E				
4	Q	Vernonia proctorii (=Sci name)	E				
1	Q	Vervain, Red Hills	T				
1	Q	Vetch, Hawaiian	E				
1	Q	Vigna o-wahuensis (=Sci name)	E				
1	Q	Viola helenae (=Sci name)	E				
1	Q	Viola lanaiensis (=Sci name)	E				
1	Q	Viola oahuensis (=Sci. Name)	E				
1	Q	Wahane (=Hawane or loulu)	E				
1	Q	Wallflower, Ben Lomond	E				
1	Q	Wallflower, Contra Costa	E				
1	Q	Wallflower, Menzies'	E				
4	Q	Walnut, West Indian or nogal	E				
4	Q	Warea, wide-leaf	E				
1	Q	Watercress, Gambel's	E				
4	Q	Water-plantain, Kral's	T				
2	Q	Water-umbel, Huachuca	E				
4	Q	Water-willow, Cooley's	E				
4	Q	Whillow-wort, papery	T				
6	Q	Wild-buckwheat, clay-loving	E				
2	Q	Wild-buckwheat, gypsum	T				
1	Q	Wild-buckwheat, southern mountain	T				
2	Q	Wild-rice, Texas	E				

Lead Reg.	Group	Inverted Common Name	AMOUNTS IN THOUSANDS OF \$\$\$			
			Status	Gu	Lands	Grand Total
4	Q	Wings, Pigeon	T			
1	Q	Wire-lettuce, Malheur	E			
4	Q	Wireweed	E			
1	Q	Woodland-star, San Clemente Island	E			
1	Q	Woolly-star, Hoover's	T			
1	Q	Woolly-star, Santa Ana River	E			
1	Q	Woolly-threads, San Joaquin	E			
1	Q	Xylosma crenatum (=Sci name)	E			
4	Q	Ziziphus, florida	E			
1	R	Cypress, Gowen	T			
1	R	Cypress, Santa Cruz	E			
4	R	Torreya, Florida	E			
4	S	Adiantum vivesii (=Sci name)	E			
1	S	Asplenium fragile var. insulare (=Sci name)	E			
1	S	Diellia falcata (=Sci name)	E			
1	S	Diellia pallida (=laciniata) (=Sci name)	E			
1	S	Diellia unisora (=Sci name)	E			
1	S	Diellia, asplenium-leaved	E			
1	S	Diplazium molokaiense (=Sci name)	E			
4	S	Elaphoglossum serpens (=Sci name)	E			
4	S	Fern, Alabama streak-sorus	T			
7	S	Fern, Aleutian shield	E			
4	S	Fern, American hart's-tongue	T			
4	S	Fern, Elfin tree	E			
1	S	Fern, pendant kihi	E			
1	S	Ihi ihi	E			
1	S	Pauoa	E			
4	S	Polystichum calderonense (=Sci name)	E			
1	S	Pteris lidgatei (=Sci name)	E			
4	S	Quillwort, black spored	E			
4	S	Quillwort, Louisiana	E			
4	S	Quillwort, mat-forming	E			
4	S	Tectaria estremerana (=Sci name)	E			
4	S	Thelypteris inabonensis (=Sci name)	E			
4	S	Thelypteris verecunda (=Sci name)	E			
4	S	Thelypteris yaucoensis (=Sci name)	E			
1	S	Wawae'iole	E			
1	S	Wawa'iole	E			
4	U	Cladonia, Florida perforate	E			
4	U	Lichen, rock gnome	E			

ENCLOSURE 2

**ENDANGERED AND THREATENED SPECIES EXPENDITURES
NOT ASSOCIATED WITH A PARTICULAR SPECIES**

The total for the Animal and Plant Health Inspection Service:

\$ 1,719,082.30



United States
Department of
Agriculture

Forest
Service

Washington
Office

14th & Independence SW
P. O. Box 96090
Washington, DC 20090-6090

File Code: 2670

Date: September 28, 1999

Ms. Jamie Rappaport Clark
Director, U.S. Fish and Wildlife Service
Department of the Interior
Washington, D.C. 20240

Re: FWS/TE

Dear Jamie:

The enclosed information is in response to your request for the annual report of Federal expenditures reasonably identifiable to benefit threatened and endangered species for Fiscal Year 1998. The reported Forest Service funds do not include contributions made by partners.

Based on reports from Forest Service field offices, the Forest Service expended funds on 245 threatened and endangered species in FY98. Forest Service appropriations for threatened and endangered species management increased from FY97 to FY98, which is reflected both in the total expenditures and the number of species that benefitted. The expenditures given are from both Forest Service appropriations for threatened and endangered species habitat management, as well as from several other program appropriations that were used to benefit and protect threatened and endangered species. The expenditures for each individual species have been entered on the printed copy of the spreadsheet template provided by your office, and total \$33,515,000.

In addition, \$1,500,000 was expended to benefit threatened and endangered species, but was not reasonably identifiable to a particular species. Expenditures relating to land acquisitions for eight threatened or endangered species were \$2,144,000 in FY98. Thus, total Forest Service expenditures made in FY98 were \$37,159,000.

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

Sincerely,

HARV FORSGREN
Director, Wildlife, Fish and Rare Plants Staff

Enclosure



1998 Endangered Species Expenditures Template

Welcome to the working template for reporting 1998 expenditures for endangered and threatened species. Column D gives scientific names; column A is FWS lead Regional Office; column B is a Group Code that sequences the groups (mammals, birds, . . . plants) as in the List. A running total of expenditures for each column is kept under each heading.

~~NOTE: AMOUNTS IN THOUSANDS OF \$\$\$~~

If you have any questions, contact Susan Jacobsen at 703/358-2105

T + E only

Grand Total
\$ 33,515,400

↳ rounded to the nearest 100

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
3	A	Bat, gray	E	111,124		
1	A	Bat, Hawaiian hoary	E			
3	A	Bat, Indiana	E	811,698	8,000	819,700
2	A	Bat, lesser long-nosed	E	73,500		
1	A	Bat, little Mariana fruit	E			
1	A	Bat, Mariana fruit	E			
2	A	Bat, Mexican long-nosed	E	1800		
2	A	Bat, Ozark big-eared	E	13000		
5	A	Bat, Virginia big-eared	E	14400		
6	A	Bear, grizzly	T	1,400,100	30,000	1,430,100
4	A	Bear, Louisiana black	T	1500		
1	A	Caribou, woodland	E	42900		
5	A	Cougar, eastern	E			
1	A	Deer, Columbian white-tailed	E			
4	A	Deer, key	E			
6	A	Ferret, black-footed	E	217850		
1	A	Fox, San Joaquin kit	E	2300		
2	A	Jaguar	E	19300		
2	A	Jaguarundi	E	9000		
2	A	Jaguarundi	E	9000		
1	A	Kangaroo rat, Fresno	E			
1	A	Kangaroo rat, giant	E			
1	A	Kangaroo rat, Morro Bay	E			
1	A	Kangaroo rat, San Bernardino Merriam's	E	5000		
1	A	Kangaroo rat, Stephens'	E			
1	A	Kangaroo rat, Tipton	E			
4	A	Manatee, West Indian (=Florida)	E			
1	A	Mountain beaver, Point Arena	E			
4	A	Mouse, Alabama beach	E			
4	A	Mouse, Anastasia Island beach	E			
4	A	Mouse, Choctawahatchee beach	E			
4	A	Mouse, Key Largo cotton	E			
1	A	Mouse, Pacific pocket	E			
4	A	Mouse, Perdido Key beach	E			
6	A	Mouse, Preble's meadow jumping	T	24500		
1	A	Mouse, salt marsh harvest	T			
4	A	Mouse, southeastern beach	T			
2	A	Ocelot	T	6600		
1	A	Otter, southern sea	T			
4	A	Panther, Florida	T			
6	A	Prairie dog, Utah	T	8600		
2	A	Pronghorn, Sonoran	E			
4	A	Rabbit, Lower Keys	E			
4	A	Rice rat (=silver rice rat)	E			
N	A	Sea-lion, Steller	E			
N	A	Seal, Caribbean monk	E			

				* UNITS IN THOUSANDS OF \$\$\$		
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
N	A	Seal, guadalupe fur	T			
N	A	Seal, Hawaiian monk	E			
1	A	Sheep, bighorn (Peninsular Ranges pop. in CA)	E		5000	
5	A	Shrew, Dismal Swamp southeastern	T			
4	A	Squirrel, Carolina northern flying	E		4700	
5	A	Squirrel, Delmarva Peninsula fox	E			
2	A	Squirrel, Mount Graham red	E		112100	
5	A	Squirrel, Virginia northern flying	E		44800	
1	A	Vole, Amargosa	E			
4	A	Vole, Florida salt marsh	E			
2	A	Vole, Hualapai Mexican	E		44000	
N	A	Whale, blue	E			
N	A	Whale, bowhead	E			
N	A	Whale, finback	E			
N	A	Whale, gray	E			
N	A	Whale, humpback	E			
N	A	Whale, right	E			
N	A	Whale, Sei	E			
N	A	Whale, sperm	E			
3	A	Wolf, gray	E, T		386964	
4	A	Wolf, red	E			
4	A	Woodrat, Key Largo	E			
1	B	'Akepa, Hawaii (honeycreeper)	E			
1	B	'Akepa, Maui (honeycreeper)	E			
1	B	'Akialoa, Kauai (honeycreeper)	E			
1	B	'Akiapola'au (honeycreeper)	E			
4	B	Blackbird, yellow-shouldered	E			
2	B	Bobwhite, masked (quail)	E		2600	
1	B	Broadbill, Guam	E			
4	B	Caracara, Audubon's crested	T			
1	B	Condor, California	E		3500	
1	B	Coot, Hawaiian (= alae-ke oke o)	E			
4	B	Crane, Mississippi sandhill	E		500	
2	B	Crane, whooping	E		7600	
1	B	Creeper, Hawaii	E			
1	B	Creeper, Molokai (=kakawahie)	E			
1	B	Creeper, Oahu (=alauwahio)	E			
1	B	Crow, Hawaiian (= alala)	E			
1	B	Crow, Mariana	E			
4	B	Crow, white-necked	E			
7	B	Curlew, Eskimo	E		100	
1	B	Duck, Hawaiian (=koloa)	E			
1	B	Duck, Laysan	E			
3	B	Eagle, bald	T		1715503	
7	B	Eider, spectacled	T		605600	2,321,000

JNTE IN THOUSANDS OF \$\$\$

Lead	Group	Inverted Common Name	Status	General	Lands	Grand Total
7	B	Elder, Steller's	T			
1	B	Falcon, American peregrine	E	549800		
2	B	Falcon, northern aplomado	E	12700		
1	B	Finch, Laysan (honeycreeper)	E			
1	B	Finch, Nihoa (honeycreeper)	E			
2	B	Flycatcher, southwestern willow	E	578900		
1	B	Gnatcatcher, coastal California	T	54800		
7	B	Goose, Aleutian Canada	T	1000		
1	B	Goose, Hawaiian (=nene)	E			
1	B	Hawk, Hawaiian (=io)	E			
4	B	Hawk, Puerto Rican broad-winged	E	5300		
4	B	Hawk, Puerto Rican sharp-shinned	E	5200		
1	B	Honeycreeper, crested (=akohekohe)	E			
4	B	Jay, Florida scrub	T	1500		
1	B	Kingfisher, Guam Micronesian	E			
4	B	Kite, Everglade snail	E			
1	B	Mallard, Mariana	E			
1	B	Megapode, Micronesian (=La Perouse's)	E			
1	B	Millerbird, Nihoa (old world warbler)	E			
1	B	Monarch, Tinian (old world flycatcher)	T			
1	B	Moorhen, Hawaiian common	E			
1	B	Moorhen, Mariana common	E			
1	B	Murrelet, marbled	T	2501491		
4	B	Nightjar, Puerto Rican	E			
1	B	Nukupu'u (honeycreeper)	E			
1	B	O'o, Kauai (=o'o'a'a) (honeyeater)	E			
1	B	O'u (honeycreeper)	E			
2	B	Owl, Mexican spotted	T	1459650		
1	B	Owl, northern spotted	T	3692107		
1	B	Palila (honeycreeper)	E			
4	B	Parrot, Puerto Rican	E	70600		
1	B	Parrotbill, Maui (honeycreeper)	E			
1	B	Pelican, brown	E	1400		
1	B	Petrel, Hawaiian dark-rumped	E			
4	B	Pigeon, Puerto Rican plain	E			
3	B	Plover, piping	E, T	1600		
1	B	Plover, western snowy	T	26000		
1	B	Po'ouli (honeycreeper)	E			
2	B	Prairie-chicken, Altwater's greater	E			
2	B	Pygmy-owl, cactus ferruginous	E			
1	B	Rail, California clapper	E			
1	B	Rail, Guam	E			
1	B	Rail, light-footed clapper	E			
2	B	Rail, Yuma clapper	E	1300		
1	B	Shearwater, Newell's Townsend's (formerly Man	T			

JNFS-IN-THOUSANDS-OF-\$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	B	Shrike, San Clemente loggerhead	E			
4	B	Sparrow, Cape Sable seaside	E			
4	B	Sparrow, Florida grasshopper	E			
1	B	Sparrow, San Clemente sage	T			
1	B	Stilt, Hawaiian (=ae'o)	E			
4	B	Stork, wood	E	1900		
1	B	Swiftlet, Mariana gray (=vanikoro)	E			
1	B	Tern, California least	E			
3	B	Tern, least	E	2400		
5	B	Tern, roseate	E, T			
1	B	Thrush, large Kauai	E			
1	B	Thrush, Molokai (=oloma'o)	E			
1	B	Thrush, small Kauai (=puaiohi)	E			
2	B	Towhee, Inyo California (=brown)	T			
2	B	Vireo, black-capped	E			
1	B	Vireo, least Bell's	E	57500		
4	B	Warbler, Bachman's	E	600		
2	B	Warbler, golden-cheeked	E			
3	B	Warbler, Kirtland's	E	119222	402,000	521,000
1	B	Warbler, nightingale reed	E			
1	B	White-eye, bridled	E			
4	B	Woodpecker, ivory-billed	E			
4	B	Woodpecker, red-cockaded	E	3904800		
4	C	Anole, Culebra Island giant	E			
4	C	Boa, Mona	T			
4	C	Boa, Puerto Rican	E	300		
4	C	Boa, Virgin Islands tree	E			
4	C	Crocodile, American	E			
4	C	Gecko, Monito	E			
4	C	Iguana, Mona ground	T			
1	C	Lizard, blunt-nosed leopard	E	2900		
1	C	Lizard, Coachella Valley fringe-toed	T			
1	C	Lizard, island night	T			
4	C	Lizard, St. Croix ground	E			
2	C	Rattlesnake, New Mexican ridge-nosed	T	6300		
4	C	Skink, bluetail mole	T			
4	C	Skink, sand	T	2600		
4	C	Snake, Atlantic salt marsh	T			
2	C	Snake, Concho water	T			
3	C	Snake, copperbelly water (northern pop.)	T			
4	C	Snake, eastern indigo	T			
1	C	Snake, giant garter	T	1300		
1	C	Snake, San Francisco garter	E			
1	C	Tortoise, desert	T	4100		
4	C	Tortoise, gopher	T	80000		

JNTO IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	C	Turtle, Alabama redbelly (=red-bellied)	E			
5	C	Turtle, bog (=Muhlenberg)	T		200	
4	C	Turtle, flattened musk	T		6000	
2	C	Turtle, green sea	E, T			
2	C	Turtle, hawksbill sea (=carey)	E			
2	C	Turtle, Kemp's ridley sea	E			
2	C	Turtle, leatherback sea	E			
2	C	Turtle, loggerhead sea	T			
2	C	Turtle, olive ridley sea	E, T			
5	C	Turtle, Plymouth redbelly (=red-bellied)	E			
4	C	Turtle, ringed map (=sawback)	T			
4	C	Turtle, yellow-blotched map (=sawback)	T			
1	C	Whipsnake, (=striped racer) Alameda	T			
4	D	Coqui, golden	T			
1	D	Frog, California red-legged	T		110855	
4	D	Guajon	T			
2	D	Salamander, Barton Springs	E			
5	D	Salamander, Cheat Mountain	T		13500	
1	D	Salamander, desert slender	E			
4	D	Salamander, Red Hills	T			
2	D	Salamander, San Marcos	T			
1	D	Salamander, Santa Cruz long-toed	E			
5	D	Salamander, Shenandoah	E			
2	D	Salamander, Sonoran tiger	E		9900	
2	D	Salamander, Texas blind	E			
1	D	Toad, Arroyo southwestern	E		137000	
2	D	Toad, Houston	E			
4	D	Toad, Puerto Rican crested	T			
6	D	Toad, Wyoming	E			
2	E	Catfish, Yaqui	T			
4	E	Cavefish, Alabama	E			
4	E	Cavefish, Ozark	T			
6	E	Chub, bonytail	E		8400	
1	E	Chub, Borax Lake	E			
2	E	Chub, Chihuahua	T		2000	
6	E	Chub, humpback	E		8400	
1	E	Chub, Hutton tui	T			
1	E	Chub, Mohave tui	E		1000	
1	E	Chub, Oregon	E		35000	
1	E	Chub, Owens tui	E		600	
1	E	Chub, Pahrnagat roundtail (=bonytail)	E			
4	E	Chub, slender	T			
2	E	Chub, Sonora	T		40100	
4	E	Chub, spotfin (=turquoise shiner)	T			
6	E	Chub, Virgin River	E			

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
2	E	Chub, Yaqui	E		6100	
1	E	Cul-ui	E			
1	E	Dace, Ash Meadows speckled	E			
4	E	Dace, blackside	T		15400	
1	E	Dace, Clover Valley speckled	E			
1	E	Dace, desert	T			
1	E	Dace, Fosskett speckled	T			
1	E	Dace, Independence Valley speckled	E			
6	E	Dace, Kendall Warm Springs	E		3000	
1	E	Dace, Moapa	E			
4	E	Darter, amber	E		1000	
4	E	Darter, bayou	T			
4	E	Darter, bluemask (=jewel)	E			
4	E	Darter, boulder (=Elk River)	E			
4	E	Darter, Cherokee	T			
4	E	Darter, duskytail	E		900	
4	E	Darter, Etowah	E			
2	E	Darter, fountain	E			
4	E	Darter, goldline	T			
2	E	Darter, leopard	E		29100	
5	E	Darter, Maryland	T			66,000
3	E	Darter, Niangua	E			95,000
4	E	Darter, Okaloosa	T			
4	E	Darter, relict	E			
4	E	Darter, slackwater	T			
4	E	Darter, snail	T			
4	E	Darter, watercress	E			
2	E	Gambusia, Big Bend	E			
2	E	Gambusia, Clear Creek	E			
2	E	Gambusia, Pecos	E			
2	E	Gambusia, San Marcos	E			
1	E	Goby, tidewater	E			
4	E	Logperch, Conasauga	E		1000	
5	E	Logperch, Roanoke	E			
6	E	Madtom, Neosho	T			
4	E	Madtom, pygmy	E			
3	E	Madtom, Scioto	E			
4	E	Madtom, Smoky	E		300	
4	E	Madtom, yellowfin	T		300	
2	E	Minnnow, loach	T		85400	
2	E	Minnnow, Rio Grande silvery	E			
1	E	Poolfish, Pahrump	E			
1	E	Pupfish, Ash Meadows Amargosa	E			
2	E	Pupfish, Comanche Springs	E			
2	E	Pupfish, desert	E		2800	

Lead Reg.	Group	Inverted Common Name	Status	UNITS IN THOUSANDS OF \$\$\$		
				General	Lands	Grand Total
1	E	Pupfish, Devils Hole	E			
2	E	Pupfish, Leon Springs	E			
1	E	Pupfish, Owens	E			
1	E	Pupfish, Warm Springs	E			
N	E	Salmon, chinook, Sacramento R. winter run	T	300		
N	E	Salmon, chinook, Snake R. fall run	T	110000		
N	E	Salmon, chinook, Snake R. spring/summer run	T	1354000		
N	E	Salmon, coho	T	4956155		
N	E	Salmon, sockeye (=red, =blueback), Snake R.	E	110000		
4	E	Sculpin, pygmy	T			
2	E	Shiner, beautiful	T			
4	E	Shiner, blue	T	14500		
4	E	Shiner, Cahaba	E	1000		
4	E	Shiner, Cape Fear	E			
4	E	Shiner, Palezone	E			
2	E	Shiner, Pecos bluntnose	T			
4	E	Silverside, Waccamaw	T			
1	E	Smelt, delta	T			
2	E	Spinedace	T	84800		
1	E	Spinedace, Big Spring	T	44400		
2	E	Spinedace, Little Colorado	T			
1	E	Spinedace, White River	E			
1	E	Springfish, Hiko White River	E			
1	E	Springfish, Railroad Valley	T	100		
1	E	Springfish, White River	E			
6	E	Squawfish, Colorado	E	54100		
N	E	Steelhead (central CA coast)	T	500		
N	E	Steelhead (Central Valley CA)	T	131200		
N	E	Steelhead (lower Columbia R.)	T	354800		
N	E	Steelhead (Snake R. Basin)	T	1251600		
N	E	Steelhead (south central CA coast)	T			
N	E	Steelhead (southern CA coast)	E	500		
N	E	Steelhead (upper Columbia R. Basin)	E	25800		
1	E	Stickleback, unarmored threespine	E	25000		
4	E	Sturgeon, Gulf	T	500		
6	E	Sturgeon, pallid	E	1650		
N	E	Sturgeon, shortnose	E	10900		
1	E	Sturgeon, white (Kootenai River pop.)	E	500		
6	E	Sucker, June	E	19000		
1	E	Sucker, Lost River	E	52700		
1	E	Sucker, Modoc	E	34800		
6	E	Sucker, razorback	E	73200		
1	E	Sucker, shortnose	E	57200		
1	E	Sucker, Warner	T			
2	E	Topminnow, Gila (incl. Yaqui)	E	85900		

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
2	E	Trout, Apache (=Arizona)	T		37500	
1	E	Trout, bull (Columbia R. pop.)	T		321,165	
1	E	Trout, bull (Jarbridge R. pop.)	E		50000	
1	E	Trout, bull (Klamath R. pop.)	T		43000	
2	E	Trout, Gila	E		47100	
6	E	Trout, greenback cutthroat	T		55000	
1	E	Trout, Lahontan cutthroat	T		36800	
1	E	Trout, Little Kern golden	T		46500	
1	E	Trout, Paiute cutthroat	T		3500	
N	E	Trout, Umpqua River cutthroat	E		1792000	
6	E	Woundfin	E			
4	F	Acornshell, southern	E		4500	
4	F	Bankclimber (mussel), purple	T			
4	F	Bean, purple (=Fine-rayed purple pearly mussel)	E			
5	F	Clubshell	E		3000	
4	F	Clubshell, black (=Curtus' mussel)	E			
4	F	Clubshell, ovate	E		6000	
4	F	Clubshell, southern	E		5000	
4	F	Combshell, Cumberlandian	E		500	
4	F	Combshell, southern (=penitent mussel)	E			
4	F	Combshell, upland	E		5500	
4	F	Elktoe, Appalachian	E		12000	
4	F	Elktoe, Cumberland	E		2500	
4	F	Fanshell	E			
4	F	Falmucket, Arkansas	T		400	
4	F	Heelsplitter, Carolina	E		10400	
4	F	Heelsplitter, inflated	T			
4	F	Kidneyshell, triangular	E		6000	
4	F	Lampmussel, Alabama (=Pearly mussel, Alabama)	E			
4	F	Moccasinshell, Alabama	T		8000	600,000
4	F	Moccasinshell, Coosa	E		5500	
4	F	Moccasinshell, Gulf	E			
4	F	Moccasinshell, Ochlockonee	E			
4	F	Mucket, orange-nacre	T		6000	
5	F	Mussel, dwarf wedge	E		2000	
4	F	Mussel, oyster	E		500	
4	F	Mussel, ring pink (=golf stick pearly)	E			
3	F	Mussel, winged mapleleaf	E			
4	F	Pearlshell, Louisiana	T		7000	
4	F	Pearlymussel, Appalachian monkeyface	E			
4	F	Pearlymussel, birdwing	E			
4	F	Pearlymussel, cracking	E			
4	F	Pearlymussel, Cumberland bean	E		1000	
4	F	Pearlymussel, Cumberland monkeyface	E			
3	F	Pearlymussel, Curtis'	E		2000	

JNTS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	F	Pearlymussel, dromedary	E			
4	F	Pearlymussel, green-blossom	E			
3	F	Pearlymussel, Higgins' eye	E			
4	F	Pearlymussel, little-wing	E	600		
4	F	Pearlymussel, orange-foot pimpleback	E			
4	F	Pearlymussel, pale lilliput	E			
4	F	Pearlymussel, pink mucket	E	2000		
4	F	Pearlymussel, purple cat's paw	E			
4	F	Pearlymussel, tubercled-blossom	E			
4	F	Pearlymussel, turgid-blossom	E			
3	F	Pearlymussel, white cat's paw	E			
4	F	Pearlymussel, white wartyback	E			
4	F	Pearlymussel, yellow-blossom	E			
4	F	Pigtoe (mussel), oval	E			
4	F	Pigtoe, Cumberland (=Cumberland pigtoe mussel)	E			
4	F	Pigtoe, dark	E	6000		
4	F	Pigtoe, fine-rayed	E			
4	F	Pigtoe, flat (=Marshall's mussel)	E			
4	F	Pigtoe, heavy (=Judge Tail's mussel)	E			
4	F	Pigtoe, rough	E			
4	F	Pigtoe, shiny	E			
4	F	Pigtoe, southern	E	9000		
4	F	Pocketbook (mussel), shinyrayed	E			
4	F	Pocketbook, fat	E			
4	F	Pocketbook, fine-lined	T	9000		
4	F	Pocketbook, speckled	E			
4	F	Rabbitsfoot, rough	E			
5	F	Riffleshell, northern	E	3000		
4	F	Riffleshell, tan	E	400		
2	F	Rock-pocketbook, Ouachita (=Wheeler's pearly)	E	400		
4	F	Slabshell, Chipola	T			
5	F	Spiny mussel, James River (=Virginia)	E			
4	F	Spiny mussel, Tar River	E			
4	F	Stirrupshell	E			
4	F	Three-ridge (mussel), fat	E			
6	G	Ambersnail, Kanab	E			
1	G	Limpet, Banbury Springs	E			
4	G	Marstonia (snail), royal (=obese)	E			
4	G	Riversnail, Anthony's	E			
4	G	Shagreen, Magazine Mountain (SNAIL)	T	2300		
1	G	Snail, Bliss Rapids	T			
5	G	Snail, Chittenango ovate amber	T			
5	G	Snail, flat-spined three-toothed	T			
3	G	Snail, Iowa Pleistocene	E			
1	G	Snail, Morro shoulderband (=Banded dune)	E			

UNITS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	G	Snail, noonday	T			
4	G	Snail, painted snake coiled forest	T			
1	G	Snail, Snake River physa	E			
4	G	Snail, Stock Island tree	T			
4	G	Snail, tulotoma (=Alabama live-bearing)	E	500		
1	G	Snail, Utah valvata	E			
5	G	Snail, Virginia fringed mountain	E			
1	G	Snails, Oahu tree	E			
2	G	Springsnail, Alamosa	E			
1	G	Springsnail, Bruneau Hot	E			
1	G	Springsnail, Idaho	E			
2	G	Springsnail, Socorro	E			
2	I	Beetle, Comal Springs riffle	E			
2	I	Beetle, Comal Springs dryopid	E			
1	I	Butterfly, Behren's silverspot	E			
1	I	Butterfly, callippe silverspot	E			
5	I	Beetle, American burying (=giant carrion)	E	5300		
2	I	Beetle, Coffin Cave mold	E			
1	I	Beetle, delta green ground	T			
3	I	Beetle, Hungerford's crawling water	E			
2	I	Beetle, Kretschmarr Cave mold	E			
1	I	Beetle, Mount Hermon June	E			
5	I	Beetle, northeastern beach tiger	T			
5	I	Beetle, Puritan tiger	T			
2	I	Beetle, Tooth Cave ground	E			
1	I	Beetle, valley elderberry longhorn	T	6500		
1	I	Butterfly, bay checkerspot	T			
1	I	Butterfly, El Segundo blue	E			
3	I	Butterfly, Karner blue	E	42000	29,000	71,000
1	I	Butterfly, Lange's metalmark	E			
1	I	Butterfly, lotis blue	E			
1	I	Butterfly, mission blue	E			
3	I	Butterfly, Mitchell's satyr	E			
1	I	Butterfly, Myrtle's silverspot	E			
1	I	Butterfly, Oregon silverspot	T	17000		
1	I	Butterfly, Palos Verdes blue	E			
1	I	Butterfly, Quino checkerspot	E	2000		
4	I	Butterfly, Saint Francis' satyr	E			
1	I	Butterfly, San Bruno elfin	E			
4	I	Butterfly, Schaus swallowtail	E			
1	I	Butterfly, Smith's blue	E			
6	I	Butterfly, Uncompahgre fritillary	E	12000		
3	I	Dragonfly, Hine's (=Ohio) emerald	E			
1	I	Fly, Death Sands flower-loving	E			
1	I	Grasshopper, Zayante band-winged	E			

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	I	Moth, Kern primrose sphinx	T			
1	I	Naucorid, Ash Meadows	T			
1	I	Skipper, Laguna Mountains	E			
6	I	Skipper, Pawnee montane	E	16000		
2	J	Harvestman, Bee Creek Cave	E	1500		
2	J	Harvestman, Bone Cave	E			
2	J	Pseudoscorpion, Tooth Cave	E			
4	J	Spider, spruce-fir moss	E	2400		
2	J	Spider, Tooth Cave	E			
5	K	Amphipod, Hay's Spring	E			
3	K	Amphipod, Illinois cave	E			
2	K	Amphipod, Peck's cave	E			
4	K	Crayfish, cave [no common name]	E			
4	K	Crayfish, cave [no common name]	E			
4	K	Crayfish, Nashville	E			
1	K	Crayfish, Shasta (=placid)	E			
1	K	Fairy shrimp, Conservancy	E			
1	K	Fairy shrimp, longhorn	E			
1	K	Fairy shrimp, riverside	E			
1	K	Fairy shrimp, San Diego	E			
1	K	Fairy shrimp, vernal pool	E			
5	K	Isopod, Lee County cave	T			
5	K	Isopod, Madison Cave	T			
2	K	Isopod, Socorro	E			
4	K	Shrimp, Alabama cave	E			
1	K	Shrimp, California freshwater	E			
4	K	Shrimp, Kentucky cave	E			
4	K	Shrimp, Squirrel Chimney Cave (=Florida cave)	T			
1	K	Tadpole shrimp, vernal pool	E			
1	Q	Abutilon eremitopetalum (=Sci name)	E			
1	Q	Abutilon sandwicense (=Sci name)	E			
1	Q	Achyranthes mulica (=Sci. name)	E			
1	Q	A'e	E			
1	Q	A'e	E			
2	Q	Agave, Arizona	E	6000		
1	Q	Aiakeakua, popolo	E			
1	Q	Aiea	E			
1	Q	Aiea	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko	E			
1	Q	Akoko, Ewa Plains	E			

UNITS IN THOUSANDS OF \$\$\$

Lead	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Alani	E			
1	Q	Allocarya, Calistoga	E			
1	Q	Alopecurus, Sonoma	E			
1	Q	Alsinidendron obovatum (=Sci name)	E			
1	Q	Alsinidendron trinerve (=Sci name)	E			
1	Q	Alsinidendron viscosum (=Sci. name)	E			
1	Q	Amaranthus brownii (=Sci. name)	E			
4	Q	Amaranth, seabeach	T			
2	Q	Ambrosia, south Texas	T			
4	Q	Amphianthus, little	T			
1	Q	Anaunau	E			
1	Q	Anunu	E			
4	Q	Aristida chaseae (=Sci name)	E			
4	Q	Arrowhead, bunched	E			
3	Q	Aster, decurrent false	T			
4	Q	Aster, Florida golden	E			
4	Q	Aster, Ruth's golden	E	1100		
4	Q	Auerodendron pauciflorum (=Sci name)	E			
1	Q	Aupaka	E			
1	Q	Aupaka	E			
1	Q	Aupaka	T			
4	Q	Avens, spreading	E	900		
1	Q	Awikiwiki	E			
1	Q	Awiwi	E			
1	Q	Awiwi	E			
2	Q	Ayenia, Texas	E			
1	Q	Baccharis, Encinitis	T	1000		
1	Q	Barberry, island	E			
1	Q	Barberry, Truckee	E			
4	Q	Bariaco	E			
5	Q	Beaked-rush, Knieskern's	T			
6	Q	Beardlongue, Penland	E	100		
4	Q	Beargrass, Britton's	E			
6	Q	Bear-poppy, dwarf	E			

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Beauty, Harper's	E		3000	
1	Q	Bedstraw, El Dorado	E			
1	Q	Bedstraw, island	E			
4	Q	Bellflower, Brooksville	E			
1	Q	Bidens, cuneate	E			
5	Q	Birch, Virginia round-leaf	E			
1	Q	Bird's beak, palmate-bracted	E			
1	Q	Bird's-beak, Pennell's	E			
1	Q	Bird's-beak, salt marsh	E			
1	Q	Bird's-beak, soft	E			
4	Q	Birds-in-a-nest, white	E			
4	Q	Bittercress, small-anthered	E			
6	Q	Bladderpod, Dudley Bluffs	E			
6	Q	Bladderpod, kodachrome	E			
4	Q	Bladderpod, lyrate	E			
3	Q	Bladderpod, Missouri	E			
1	Q	Bladderpod, San Bernardino Mountains	E			
4	Q	Bladderpod, Spring Creek	E			
2	Q	Bladderpod, white	E			
1	Q	Blazingstar, Ash Meadows	E			
4	Q	Blazingstar, Heller's	E		1100	
4	Q	Blazingstar, scrub	E			
1	Q	Bluecurls, Hidden Lake	E			
1	Q	Bluegrass, Hawaiian	E			
1	Q	Bluegrass, Mann's	E			
1	Q	Bluegrass, Napa	E			
1	Q	Bluegrass, San Bernardino	E		2000	
2	Q	Blue-star, Kearney's	E			
4	Q	Bluet, Roan Mountain	E		100	
1	Q	Bonamia menziesii (=Sci name)	E			
4	Q	Bonamia, Florida	E		1000	
4	Q	Boxwood, Vahl's	E			
1	Q	Brodiaea, Chinese Camp	E			
1	Q	Broom, San Clemente Island	E			
1	Q	Buckwheat, cushenbury	E			
4	Q	Buckwheat, scrub	E		1000	
1	Q	Buckwheat, steamboat	E			
5	Q	Bulrush, Northeastern (=barbed bristle)	E		200	
3	Q	Bush-clover, prairie	E			
1	Q	Bush-mallow, San Clemente Island	E			
1	Q	Bush-mallow, Santa Cruz Island	E			
6	Q	Buttercup, autumn	E			
1	Q	Butterweed, Layne's	E		700	
4	Q	Butterwort, Godfrey's	E			
1	Q	Button-celery, San Diego	E			

JNFS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Button, Mohr's Barbara	T			
2	Q	Cactus, Arizona hedgehog	E		3400	
1	Q	Cactus, Bakersfield	E			
2	Q	Cactus, black lace	E			
2	Q	Cactus, Brady pincushion	E			
2	Q	Cactus, bunched cory	T			
2	Q	Cactus, Chisos Mtn. hedgehog	T			
2	Q	Cactus, Cochise pincushion	T			
4	Q	Cactus, Key tree	E			
2	Q	Cactus, Knowlton	E			
2	Q	Cactus, Kuenzler hedgehog	E		42700	
2	Q	Cactus, Lee pincushion	T			
2	Q	Cactus, Lloyd's hedgehog	E			
2	Q	Cactus, Lloyd's Mariposa	T			
2	Q	Cactus, Mesa Verde	T			
2	Q	Cactus, Nellie cory	E			
2	Q	Cactus, Nichol's Turk's head	E			
2	Q	Cactus, Peebles Navajo	E			
2	Q	Cactus, Pima pineapple	E		13600	
6	Q	Cactus, San Rafael	E			
2	Q	Cactus, Siler pincushion	T			
2	Q	Cactus, Sneed pincushion	E			
2	Q	Cactus, star	E			
2	Q	Cactus, Tobusch fishhook	E			
6	Q	Cactus, Unita Basin hookless	T			
6	Q	Cactus, Winkler	T			
6	Q	Cactus, Wright fishhook	E			
4	Q	Calyptanthus thomasi (=Sci name)	E			
4	Q	Campion, fringed	E			
4	Q	Capa rosa	E		800	
2	Q	Cal's-eye, Terlingua Creek	E			
1	Q	Ceanothus, coyote (=California-lilac, Coyote	E			
1	Q	Ceanothus, Pine Hill	E			
1	Q	Centaur, spring-loving	T			
1	Q	Chaff-flower, round-leaved	E			
4	Q	Chaffseed, American	E		7400	
4	Q	Chamaecrista glandulosa var. mirabilis (=Sci	E			
1	Q	Chamaesyce halemanui (=Sci name)	E			
1	Q	Checker-mallow, Kenwood Marsh	E			
1	Q	Checker-mallow, Nelson's	T			
1	Q	Checker-mallow, pedate	E		3000	
4	Q	Chumbo, higo	T			
4	Q	Chupacallos (=Chupagallo)	E		800	
5	Q	Cinquefoil, Robbins'	E		11500	
1	Q	Clarkia, Pismo	E			

492700

JNTS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Clarkia, Presidio	E			
1	Q	Clarkia, Springville	T		9800	
1	Q	Clarkia, Vine Hill	E			
2	Q	Cliff-rose, Arizona	E		3300	
1	Q	Clover, Monterey (=Del Monte)	E			
3	Q	Clover, running buffalo	E		6600	
1	Q	Clover, showy Indian	E			
4	Q	Coneflower, smooth	E		20300	
4	Q	Coneflower, Tennessee purple	E			
4	Q	Cordia bellonis	E			
4	Q	Cranichis ricartii (=Sci name)	E			
6	Q	Cress, load-flax	E			
1	Q	Crownbeard, big-leaved	T			
1	Q	Cyanea macrostegia ssp. gibsonii (=Sci name)	E			
1	Q	Cyanea superba (=Sci name)	E			
1	Q	Cyanea undulata (=Sci name)	E			
2	Q	Cycladenia, Jones	T			
3	Q	Daisy, lakeside	T			
6	Q	Daisy, Maguire	E			
1	Q	Daisy, Parish's	T			
4	Q	Daphnopsis hellerana (=Sci name)	E			
2	Q	Dawn-flower, Texas prairie	E			
1	Q	Delissea rhytidosperra (=Sci name)	E			
1	Q	Delissea undulata (=Sci name)	E			
2	Q	Dogweed, ashy	E			
4	Q	Dropwort, Canby's	E		200	
1	Q	Dubautia latifolia (=Sci name)	E			
1	Q	Dubautia pauciflorula (=Sci name)	E			
1	Q	Dudleya, Conejo	T			
1	Q	Dudleya, Marcescent	T			
1	Q	Dudleya, Santa Clara Valley	E			
1	Q	Dudleya, Santa Cruz Island	T			
1	Q	Dudleya, Verily's	T			
1	Q	Dudleyea, Santa Monica Mountains	T		1000	
1	Q	Dwarf-flax, Marin	T			
4	Q	Eruvia	E			
4	Q	Eugenia woodburyana (=Sci name)	E			
1	Q	Evening-primrose, Antioch Dunes	E			
1	Q	Evening-primrose, Eureka Valley	E			
1	Q	Evening-primrose, San Benito	T			
1	Q	Fiddleneck, Large-flowered	E			
1	Q	Flannelbush, Pine Hill	E			
2	Q	Fleabane, Rhizome	T		200	
1	Q	Four-o'clock, MacFarlane's	E		2000	
2	Q	Frankenia, Johnston's	E			

		UNTS IN THOUSANDS OF \$\$\$			
Lead	Group	Inverted Common Name	Status General	Lands	Grand Total
1	Q	Fringepod (=lacepod), Santa Cruz Island	E		
1	Q	Gahnia lanaiensis (=Sci name)	E		
1	Q	Gardenia, Hawaiian (na'u)	E		
4	Q	Geocarpon minimum (=Sci name)	T		
1	Q	Geranium, Hawaiian red-flowered	E		
5	Q	Gerardia, sandplain	E		
4	Q	Gesneria pauciflora (=Sci name)	T		
1	Q	Gilia, Hoffmann's slender-flowered	E		
1	Q	Gilia, Monterey	E		
4	Q	Goetzea, beautiful (metabuey)	E		
4	Q	Goldenrod, Blue Ridge	T	100	
3	Q	Goldenrod, Houghton's	T		
4	Q	Goldenrod, Short's	E		
4	Q	Goldenrod, white-haired	T	5900	
1	Q	Goldfields, Burke's	E		
1	Q	Goldfields, Contra Costa	E		
4	Q	Gooseberry, Miccosukee (Florida)	T	1600	
1	Q	Gouania hillebrandii (=Sci name)	E		
1	Q	Gouania meyerii (=Sci name)	E		
1	Q	Gouania vitifolia (=Sci name)	E		
4	Q	Gourd, Okeechobee	E		
1	Q	Grass, California Orcutt	E		
1	Q	Grass, Colusa	T		
1	Q	Grass, Eureka Dune	E		
1	Q	Grass, Solano	E		
4	Q	Grass, Tennessee yellow-eyed	E		
4	Q	Ground-plum, Guthrie's	E		
2	Q	Groundsel, San Francisco Peaks	T	400	
1	Q	Gumplant, Ash Meadows	T		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		
1	Q	Haha	E		

~~UNTS IN THOUSANDS OF \$\$\$~~

Lead	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Haha	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Ha'iwale	E			
1	Q	Hala pepe	E			
1	Q	Haplostachys haplostachya (=Sci name)	E			
4	Q	Harebells, Avon Park	E			
5	Q	Harperella	E	7200		
1	Q	Hau kuahiwi	E			
1	Q	Hau kuahiwi	E			
1	Q	Hau kuahiwi, Hualalai	E			
4	Q	Heartleaf, dwarf-flowered	T	200		
4	Q	Heather, mountain golden	T	3300		
1	Q	Heau	E			
1	Q	Hedyotis degeneri (=Sci name)	E			
1	Q	Hedyotis parvula (=Sci name)	E			
1	Q	Hedyotis, Na Pali beach	E			
1	Q	Hesperomannia arborescens (=Sci name)	E			
1	Q	Hesperomannia arbuscula (=Sci name)	E			
1	Q	Hesperomannia lydgatei (=Sci name)	E			
1	Q	Hibiscus, Clay's	E			
4	Q	Higuero de Sierra	E			
1	Q	Holei	E			
4	Q	Holly, Cook's	E			
6	Q	Howellia, water	T	70200		
4	Q	Hypericum, highlands scrub	E			
4	Q	Ilex sintenisii (=Sci name)	E	800		
1	Q	Iliou, dwarf	E			
1	Q	Indian paintbrush, San Clemente Island	E			
2	Q	Ipomopsis, Holy Ghost	E	500		
4	Q	Irisette, white	E			
3	Q	Iris, dwarf lake	T			
1	Q	Ischaemum, Hilo	E			
1	Q	Ivesia, Ash Meadows	T			

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JNTS-IN-THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Jacquemontia, beach	E			
1	Q	Jewelflower, California	E			
1	Q	Jewelflower, Metcalf Canyon	E			
1	Q	Jewelflower, Tiburon	E			
5	Q	Joint-velch, sensitive	T			
1	Q	Kamakahala	E			
1	Q	Kamakahala	E			
1	Q	Kamakahala	E			
1	Q	Kauai hau kuahiwi	E			
1	Q	Kauiia	E			
1	Q	Kaulu	E			
1	Q	Kio'ele	E			
1	Q	Kiponapona	E			
1	Q	Koki'o (=hau-hele'ula or Hawaii tree cotton)	E			
1	Q	Koki'oke'oke'o	E			
1	Q	Koki'oke'oke'o	E			
1	Q	Koki'o, Cooke's	E			
1	Q	Koki'o, Kauai	E			
1	Q	Kolea	E			
1	Q	Kolea	T			
1	Q	Ko'oko'olau	E			
1	Q	Ko'oko'olau	E			
1	Q	Ko'oloa'ula	E			
1	Q	Kuahiwi, laukahi	E			
1	Q	Kuahiwi, laukahi	E			
1	Q	Kuawawaenohu	E			
1	Q	Kula, wahine noho	E			
1	Q	Kulu'i	E			
2	Q	Ladies'-tresses, Canelo Hills (=Madrean)	E	2800		
2	Q	Ladies'-tresses, Navasota	E	20000		
6	Q	Ladies'-tresses, Ute	T	103000		
1	Q	Lagu, Hyan	E			
1	Q	Larkspur, San Clemente Island	E			
1	Q	Lau'ehu	E			
1	Q	Laulihilihi (=Ma'oli'oli)	E			
1	Q	Layia, beach	E			
4	Q	Lead-plant, Crenulate	E			
4	Q	Leather flower, Alabama	E			
4	Q	Leather flower, Morefield's	E			
4	Q	Lepanthes eltoroensis (=Sci name)	E			
4	Q	Leptocereus grantianus (=Sci name)	E			
1	Q	Lessingia, San Francisco	E			
1	Q	Liliwai	E			
3	Q	Lily, Minnesota trout	E			
1	Q	Lily, Pitkin Marsh	E			

JNTS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Lily, Western	E			
1	Q	Lipochaeta venosa (=Sci name)	E			
1	Q	Liveforever, Santa Barbara Island	E			
1	Q	Lobelia gaudichaudii ssp. koolauensis, (=Sci. n	E			
1	Q	Lobelia monostachya (=Sci. name)	E			
1	Q	Lobelia nilhauensis (=Sci name)	E			
1	Q	Lobelia oahuensis (=Sci name)	E			
3	Q	Locoweed, Fassell's	T	5100		
1	Q	Lomatium, Bradshaw's	E			
4	Q	Loosestrife, rough-leaved	E	6900		
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
1	Q	Loulu	E			
5	Q	Lousewort, Furbish	E			
1	Q	Love grass, Fosberg's	E			
1	Q	Lupine, clover	E			
4	Q	Lupine, scrub	E			
4	Q	Lyonia truncata var. proctorii (=Sci name)	E			
1	Q	Lysimachia filifolia (=Sci name)	E			
1	Q	Lysimachia lydgatei (=Sci name)	E			
1	Q	Lysimachia maxima (=ternifolia) (=Sci. name)	E			
1	Q	Ma'aloa, Big Island	E			
1	Q	Mahoe	E			
1	Q	Makou	T			
1	Q	Malacothrix, island	E			
1	Q	Mallow, Kern	E			
5	Q	Mallow, Peter's Mountain	E	1500		
1	Q	Malacothrix, Santa Cruz Island	E			
4	Q	Manaca, palma de	T			
2	Q	Manioc, Walker's	E			
1	Q	Manzanita, Del Mar (=Costa Baja, =Eastwood's)	E			
1	Q	Manzanita, Morro	T			
1	Q	Manzanita, pallid	T			
1	Q	Manzanita, Presido (=Raven's)	E			
1	Q	Manzanita, Santa Rosa Island	E			
1	Q	Ma'ohau hele (=biscus, native yellow)	E			
1	Q	Ma'oli'oli	E			
1	Q	Ma'oli'oli	E			
1	Q	Mapele	E			
1	Q	Mariposa lily, Tiburon	T			
1	Q	Mariscus fauriei (=Sci name)	E			
1	Q	Mariscus pennatifolius (=Sci name)	E			

UNITS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Meadowfoam, Butte County	E			
1	Q	Meadowfoam, Sebastopol	E			
4	Q	Meadowrue, Cooley's	E			
1	Q	Mehamehame	E			
1	Q	Mesa-mint, Olay	E			
1	Q	Mesa-mint, San Diego	E			
4	Q	Milkpea, Small's	E			
1	Q	Milk-vetch, Applegate's	E			
1	Q	Milk-vetch, Ash meadows	T			
1	Q	Milk-vetch, Braunton's	E	1000		
1	Q	Milk-vetch, Clara Hunt's	E			
1	Q	Milk-vetch, coastal dunes	E			
1	Q	Milk-vetch, Cushenbury	E			
6	Q	Milk-vetch, heliotrope	T	800		
5	Q	Milk-vetch, Jesup's	E			
2	Q	Milk-vetch, Mancos	E			
6	Q	Milk-vetch, Osterhout	E	100		
2	Q	Milk-vetch, Sentry	E			
3	Q	Milkweed, Mead's	T	6700		
6	Q	Milkweed, Welsh's	T			
4	Q	Mint, Garrett's (=scrub, in part)	E			
4	Q	Mint, Lakela's	E			
4	Q	Mint, longspurred	E			
4	Q	Mint, scrub	E			
4	Q	Mitracarpus maxwelliae (=Sci name)	E			
4	Q	Mitracarpus polycladus (=Sci name)	E			
3	Q	Monkey-flower, Michigan	E			
3	Q	Monkshood, northern wild	T			
1	Q	Morning-glory, Stebbins'	E			
1	Q	Mountain balm, Indian Knob	E			
1	Q	Mountain-mahogany, Catalina Island	E			
1	Q	Munroidendron racemosum (=Sci name)	E			
4	Q	Mustard, Carter's	E			
6	Q	Mustard, Penland alpine fen	T	1000		
1	Q	Mustard, slender-petaled	E	6700		
4	Q	Myrcia paganii (=Sci name)	E			
1	Q	Nanea	E			
1	Q	Naniwai'ale'ale	E			
1	Q	Nanu	E			
1	Q	Naupaka, dwarf	E			
1	Q	Navarrelia, few-flowered	E			
1	Q	Navarrelia, many-flowered	E			
4	Q	Negra, cobana	T			
1	Q	Nehe	E			
1	Q	Nehe	E			

Lead Reg.	Group	Inverted Common Name	UNITS IN THOUSANDS OF \$\$\$				
			Status	General	Lands	Grand Total	
1	Q	Nehe	E				
1	Q	Nehe	E				
1	Q	Nehe	E				
1	Q	Nehe	E				
1	Q	Neraudia angulata (=Sci name)	E				
1	Q	Neraudia sericea (=Sci name)	E				
1	Q	Nioi	E				
1	Q	Niterwort, Amargosa	E				
1	Q	Nohoanu	E				
2	Q	Oak, Hinckley	T				
1	Q	Ohā	E				
1	Q	Ohā	E				
1	Q	Ohā wai	E				
1	Q	Ohā wai	E				
1	Q	Ohā wai	E				
1	Q	Ohā wai	E				
1	Q	Ohā wai	E				
1	Q	Ohā wai	E				
1	Q	Ohāi	E				
1	Q	Ohē ohē	E				
1	Q	Olulu	E				
1	Q	Opuhe	E				
3	Q	Orchid, eastern prairie fringed	T				
3	Q	Orchid, western prairie fringed	T	30000			
1	Q	Orcutt grass, Greene's	E	1000			
1	Q	Orcutt grass, hairy (=pilose)	E				
1	Q	Orcutt grass, Sacramento	E				
1	Q	Orcutt grass, San Joaquin	T				
1	Q	Orcutt grass, slender	T	15000			
1	Q	Owl's-clover, fleshy	T				
1	Q	Oxylheca, cushenbury	E				
1	Q	Paintbrush, ash-grey	T				
1	Q	Paintbrush, golden	T				
1	Q	Paintbrush, soft-leaved	E				
1	Q	Paintbrush, Tiburon	E				
4	Q	Palo colorado	E	800			
4	Q	Palo de jazmin	E	1400			
4	Q	Palo de Nigua	E				
4	Q	Palo de Ramon	E				
1	Q	Pamakani	E				
1	Q	Pamakani	E				
1	Q	Panicgrass, Carter's	E				
1	Q	Pau'ala	E				
4	Q	Pawpaw, beautiful	E				
4	Q	Pawpaw, four-petal	E				

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Pawpaw, Ruge's	E			
4	Q	Pelos del diablo	E			
2	Q	Pennyroyal, Todsen's	E	4000		
6	Q	Penstemon, blowout	E	500		
1	Q	Pentachaeta, Lyon's	E			
1	Q	Pentachaeta, white-rayed	E			
4	Q	Peperomia, Wheeler's	E			
6	Q	Phacelia, clay	E	2200		
1	Q	Phacelia, island	E			
6	Q	Phacelia, North Park	E			
2	Q	Phlox, Texas trailing	E			
1	Q	Phyllostegia glabra var. lanaiensis (=Sci nam	E			
1	Q	Phyllostegia hirsuta (=Sci. name)	E			
1	Q	Phyllostegia kaalaensis (=Sci. name)	E			
1	Q	Phyllostegia knudsenii (=Sci. name)	E			
1	Q	Phyllostegia mannii (=Sci name)	E			
1	Q	Phyllostegia mollis (=Sci name)	E			
1	Q	Phyllostegia parviflora (=Sci. name)	E			
1	Q	Phyllostegia velutina (=Sci. name)	E			
1	Q	Phyllostegia wairimeae (=Sci name)	E			
1	Q	Phyllostegia warshaueri (=Sci. name)	E			
1	Q	Phyllostegia wawrana (=Sci. name)	E			
1	Q	Pilo	E			
4	Q	Pinkroot, gentian	E			
5	Q	Pink, swamp	T	200		
1	Q	Piperia, Yadon's	E			
2	Q	Pitaya, Davis' green	E			
4	Q	Pitcher-plant, Alabama canebrake	E			
4	Q	Pitcher-plant, green	E	1350		
4	Q	Pitcher-plant, mountain sweet	E			
1	Q	Platanthera holochila (=Sci. name)	E			
4	Q	Plum, scrub	E			
1	Q	Poa siphonoglossa (=Sci name)	E			
1	Q	Po e	E			
5	Q	Pogonia, small whorled	T	58650		
4	Q	Polygala, Lewton's	E	1000		
4	Q	Polygala, tiny	E			
4	Q	Pondberry	E	23400		
2	Q	Pondweed, Little Aguja Creek	E			
1	Q	Popolo, ku mai (=Popolo, thorny)	E			
2	Q	Poppy-mallow, Texas	E			
2	Q	Poppy, Sacramento prickly	E	12100		
4	Q	Potato-bean, Price's	T	14000		
1	Q	Potentilla, Hickman's	E			
4	Q	Prairie-clover, leafy	E			

			UNITS IN THOUSANDS OF \$\$\$			
Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
4	Q	Prickly-apple, fragrant	E			
4	Q	Prickly-ash, St. Thomas	E			
6	Q	Primrose, Maguire	T	5100		
1	Q	Pritchardia remota (=Sci name)	E			
1	Q	Pussypaws, Mariposa	T	600		
1	Q	Pu'uka'a	E			
4	Q	Rattleweed, hairy	E			
6	Q	Reed-mustard, Barneby	E			
6	Q	Reed-mustard, clay	T			
1	Q	Remya kauaiensis (=Sci name)	E			
1	Q	Remya monigomeryi (=Sci name)	E			
1	Q	Remya, Maui	E			
4	Q	Rhododendron, Chapman	E			
6	Q	Ridge-cress (=pepper-cress), Barneby	E			
4	Q	Rock-cress	E			
1	Q	Rock-cress, Hoffmann's	E			
1	Q	Rock-cress, McDonald's	E	7000		
1	Q	Rockcress, Santa Cruz Island	E			
5	Q	Rock-cress, shale barren	E	2200		
1	Q	Rollandia crispa (=Sci name)	E			
4	Q	Rosa, palo de	E			
4	Q	Rosemary, Apalachicola	E			
4	Q	Rosemary, Cumberland	T	600		
4	Q	Rosemary, Etonia	E			
4	Q	Rosemary, short-leaved	E			
3	Q	Roseroot, Leedy's	T			
2	Q	Rush-pea, slender	E			
1	Q	Rush-rose, island	T			
1	Q	Sandalwood, Lanai or 'iliahi	E			
1	Q	Sandbur, agrimony or Kamanomano	E			
4	Q	Sandlace	E			
2	Q	Sand-verbena, large-fruited	E			
1	Q	Sandwort, Bear Valley	T			
4	Q	Sandwort, Cumberland	E	600		
1	Q	Sandwort, Marsh	E			
1	Q	Sanicula mariversa (=Sci name)	E			
1	Q	Sanicula purpurea (=Sci. name)	E			
1	Q	Schiedea haleakalensis (=Sci name)	E			
1	Q	Schiedea helleri, (=Sci. name)	E			
1	Q	Schiedea hookeri (=Sci. name)	E			
1	Q	Schiedea kaalae (=Sci name)	E			
1	Q	Schiedea kauaiensis (=Sci. name)	E			
1	Q	Schiedea lydgatei (=Sci name)	E			
1	Q	Schiedea membranacea, (=Sci. name)	E			
1	Q	Schiedea nuttallii (=Sci. name)	E			

UNITS IN THOUSANDS OF \$\$\$

Lead Reg.	Group	Inverted Common Name	Status	General	Lands	Grand Total
1	Q	Schiedea sarmentosa (=Sci name)	E			
1	Q	Schiedea spergulina var. leiopoda (=Sci name)	E			
1	Q	Schiedea spergulina var. spergulina (=Sci name)	T			
1	Q	Schiedea verticillata (=Sci name)	E			
1	Q	Schiedea, Diamond Head	E			
4	Q	Schoepfia arenaria (=Sci name)	T			
1	Q	Seablite, California	E			
2	Q	Sedge, Navajo	T			
1	Q	Sedge, white	E			
1	Q	Silene alexandri (=Sci name)	E			
1	Q	Silene hawaiiensis (=Sci name)	T			
1	Q	Silene lanceolata (=Sci name)	E			
1	Q	Silene perlmanni (=Sci name)	E			
1	Q	Silversword, 'Ahinahina Mauna Kea	E			
1	Q	Silversword, Haleakala ('ahinahina)	E			
1	Q	Silversword, Ka'u	E			
4	Q	Skullcap, Florida	T			
4	Q	Skullcap, large-flowered	E	5012		
4	Q	Snakeroot	E			
2	Q	Snowbells, Texas	E			
1	Q	Spermolepis hawaiiensis (=Sci name)	E			
1	Q	Spineflower, Ben Lomond	E			
1	Q	Spineflower, Howell's	E			
1	Q	Spineflower, Monterey	T			
1	Q	Spineflower, Orcutt's	E			
1	Q	Spineflower, Robust (incl. Scotts Valley)	E			
1	Q	Spineflower, slender-horned	E	1400	414,000	415,400
1	Q	Spineflower, Sonoma	E			
5	Q	Spiraea, Virginia	T	3000		
4	Q	Spurge, deltoid	E			
4	Q	Spurge, Garber's	T			
1	Q	Spurge, Hoover's	T			
4	Q	Spurge, telephus	T			
1	Q	Stenogyne angustifolia (=Sci name)	E			
1	Q	Stenogyne bifida (=Sci name)	E			
1	Q	Stenogyne campanulata (=Sci name)	E			
1	Q	Stenogyne kanehoana (=Sci name)	E			
1	Q	Stonecrop, Lake County	E			
4	Q	Sumac, Michaux's	E			
1	Q	Sunburst, Hartweg's golden	E			
1	Q	Sunburst, San Joaquin adobe	T			
4	Q	Sunflower, Eggert's	T			
1	Q	Sunflower, San Mateo woolly	E			
4	Q	Sunflower, Schweinitz's	E	1300		
1	Q	Sunray, Ash Meadows	T			

Lead Reg.	Group	Inverted Common Name	Status	UNITS IN THOUSANDS OF \$\$\$		
				eral	Lands	Grand Total
1	Q	Sunshine, Sonoma (=Stickyseed, Baker's)	E			
1	Q	Taraxacum, California	E			
4	Q	Ternstroemia subsessilis (=Sci name)	E	1700		
1	Q	Tetramolopium rockii (=Sci name)	T			
1	Q	Tetramolopium arenarium (=Sci name)	E			
1	Q	Tetramolopium filiforme (=Sci name)	E			
1	Q	Tetramolopium lepidotum ssp. lepidotum (=Sci)	E			
1	Q	Tetramolopium remyi (=Sci name)	E			
1	Q	Thistle, Chorro Creek	E			
1	Q	Thistle, fountain	E			
1	Q	Thistle, Loch Lombnd coyote	E			
3	Q	Thistle, Pitcher's	T	3500		
2	Q	Thistle, Sacramento Mountains	T	12100		
1	Q	Thistle, Sulsum	E			
1	Q	Thornmint, San Máleo	E		0	
6	Q	Townsendia, Last Chance	T			
4	Q	Tree, pygmy fringe	E			
1	Q	Trematolobelia singularis (=Sci. name)	E			
4	Q	Trillium, persistent	E	200		
4	Q	Trillium, relict	E	1200		
6	Q	Twinpod, Dudley Bluffs	T			
1	Q	Uhiuhi	E			
4	Q	Uvillo	E	800		
4	Q	Vernonia proctorii (=Sci name)	E			
1	Q	Vervain, Red Hills	T			
1	Q	Vetch, Hawaiian	E			
1	Q	Vigna o-wahuensis (=Sci name)	E			
1	Q	Viola helenae (=Sci name)	E			
1	Q	Viola lanaiensis (=Sci name)	E			
1	Q	Viola oahuensis (=Sci. Name)	E			
1	Q	Wahane (=Hawane or loulu)	E			
1	Q	Wallflower, Ben Lomond	E			
1	Q	Wallflower, Contra Costa	E			
1	Q	Wallflower, Menzies	E			
4	Q	Walnut, West Indian or nogal	E			
4	Q	Warea, wide-leaf	E			
1	Q	Watercress, Gambel's	E			
4	Q	Water-plantain, Kral's	T	300		
2	Q	Water-umbel, Huachuca	E	12600		
4	Q	Water-willow, Cooley's	E			
4	Q	Whillow-wort, papery	T			
6	Q	Wild-buckwheat, clay-loving	E			
2	Q	Wild-buckwheat, gypsum	T			
1	Q	Wild-buckwheat, southern mountain	E			
2	Q	Wild-rice, Texas	E			

			AMOUNTS IN THOUSANDS OF \$\$\$		
Lead Reg.	Group	Inverted Common Name	Status General	Lands	Grand Total
4	Q	Wings, Pigeon	T		
1	Q	Wire-lettuce, Malheur	E		
4	Q	Wireweed	E		
1	Q	Woodland-star, San Clemente Island	E		
1	Q	Woolly-star, Hoover's	T		
1	Q	Woolly-star, Santa Ana River	E		
1	Q	Woolly-threads, San Joaquin	E		
1	Q	Xylosma crenatum (=Sci name)	E		
4	Q	Ziziphus, florida	E		
1	R	Cypress, Gowen	T		
1	R	Cypress, Santa Cruz	E		
4	R	Torreya, Florida	E		
4	S	Adiantum vivesii (=Sci name)	E		
1	S	Asplenium fragile var. insulare (=Sci name)	E		
1	S	Diellia falcata (=Sci name)	E		
1	S	Diellia pallida (=laciniata) (=Sci name)	E		
1	S	Diellia unisora (=Sci name)	E		
1	S	Diellia, asplenium-leaved	E		
1	S	Diplazium molokaiense (=Sci name)	E		
4	S	Elaphoglossum serpens (=Sci name)	E		
4	S	Fern, Alabama streak-sorus	T	2200	
7	S	Fern, Aleutian shield	E		
4	S	Fern, American hart's-tongue	T		
4	S	Fern, Elfin tree	E		
1	S	Fern, pendant kihi	E		
1	S	Ihi ihi	E		
1	S	Pauoa	E		
4	S	Polystichum calderonense (=Sci name)	E		
1	S	Pteris lidgatei (=Sci name)	E		
4	S	Quillwort, black spored	E		
4	S	Quillwort, Louisiana	E		
4	S	Quillwort, mal-forming	E		
4	S	Tectaria estremerana (=Sci name)	E		
4	S	Thelypteris inabonensis (=Sci name)	E		
4	S	Thelypteris verecunda (=Sci name)	E		
4	S	Thelypteris yaucoensis (=Sci name)	E		
1	S	Wawae iole	E		
1	S	Wawa iole	E		
4	U	Cladonia, Florida perforate	E		
4	U	Lichen, rock gnome	E	1600	



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

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

SEP 02 1999

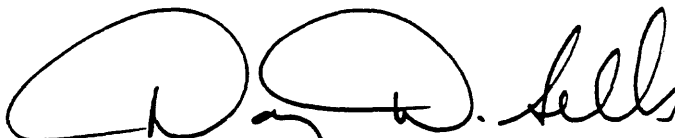
Ms. Jamie Rappaport Clark
Director
Fish and Wildlife Service
U.S. Department of the Interior
1849 C St. N.W., Mail Stop 3012
Washington, D.C. 20240

Dear Ms. Clark:

This is in response to your request for information on the 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 gathered from our State biologists, we have compiled the enclosed State-by-State list of fiscal year 1998 expenditures for endangered and threatened species conservation and recovery work.

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

Sincerely,



Acting for

PEARLIE S. REED
Chief

Enclosure

Sheet1

				ESA Expenditures	
				Fiscal Year 1998	
State	Species				\$ Amount
Alaska					\$0
Arizona	Agave, arizona				\$300
Arizona	Bat, lesser long-nosed				\$8,500
Arizona	Bat, mexican long-nosed				\$6,100
Arizona	Cactus, arizona hedgehog				\$200
Arizona	Cactus, brady pincushion				\$100
Arizona	Cactus, cochise pincushion				\$100
Arizona	Cactus, pineapple pima				\$2,000
Arizona	Cliff-rose, arizona				\$100
Arizona	Eagle, bald				\$2,000
Arizona	Falcon, american peregrine				\$400
Arizona	Falcon, northern aplomado				\$200
Arizona	Flycatcher, southwest willow				\$1,200
Arizona	Jaguar				\$2,700
Arizona	Jaguarundi				\$100
Arizona	Ocelot				\$100
Arizona	Owl, cactus ferruginous pygmy				\$200
Arizona	Owl, mexican spotted				\$6,100
Arizona	Minnow, loach				\$2,000
Arizona	Pelican, brown				\$100
Arizona	Rattlesnake, new mexican ridge-nosed				\$6,500
Arizona	Salamander, sonoran tiger				\$200
Arizona	Sedge, navajo				\$200
Arizona	Spikedace				\$1,500
Arizona	Spinedace, little colorado				\$6,300
Arizona	Squawfish, colorado				\$2,000
Arizona	Sucker, razorback				\$500
Arizona	Topminnow, gila				\$4,300
Arizona	Tortoise, desert				\$1,000
Arizona	Trout, apache				\$100
Arizona	Vole, hualapai mexican				\$1,000
Arizona	Wolf, gray				\$200
Arizona	Yuma clapper rail				\$100
Arkansas	Darter, leopard				\$1,500
Arkansas	Eagle, bald				\$1,500
Arkansas	Fatmucket, arkansas				\$1,500
Arkansas	Geocarpon minimum				\$1,500

Sheet1

Arkansas		Harperella			\$1,500
Arkansas		Pearlymussel, pink mucket			\$1,500
Arkansas		Pocketbook, rock ouachita			\$1,500
Arkansas		Woodpecker, red-cockaded			\$1,500
California		Frog, red-legged			\$20,500
California		Salmon, chinook, Sacramento R. Winter run			\$129,500
California		Salmon, coho			\$122,500
California		Steelhead, central CA coast			\$49,500
California		Steelhead, central valley CA			\$52,500
California		Steelhead, south central coast			\$25,500
California		Steelhead, southern CA coast			\$10,000
Colorado		Chub, bonytail			\$2,000
Colorado		Chub, humpback			\$2,000
Colorado		Flycatcher, southwest willow			\$500
Colorado		Pikeminnow, colorado (Squawfish)			\$2,000
Colorado		Sucker, razorback			\$2,000
Colorado		Mouse, Preble's meadow jumping			\$500
Connecticut					\$0
Delaware					\$0

Sheet1

East Region					\$0
Florida		Cooley's Water Willow			\$630
Georgia					\$0
Hawaii		Acaena exigua			\$13,250
Hawaii		Duck, hawaiian			\$453,700
Hawaii		Nene			\$13,400
Hawaii		Hawk, hawaiian			\$8,250
Hawaii		Clermontia lindsyana			\$26,300
Hawaii		Diellia erecta			\$30
Hawaii		Coot, hawaiian			\$39,280
Hawaii		Moorhen			\$20,800
Hawaii		Stilt, hawaiian			\$39,280
Hawaii		Bat, hawaiian			\$46,000
Hawaii		Alani			\$10,000
Hawaii		O'o'a'a			\$2,700
Hawaii		sanicula purpurea			\$13,250
Hawaii		Solanum sandwicen			\$30
Kansas		Bat, gray			\$3,000
Kansas		Beetle, american burying			\$1,000
Kansas		Crane, whooping			\$500
Kansas		Curlew, eskimo			\$500
Kansas		Eagle, bald			\$3,000
Kansas		Madtom, neosho			\$500
Kansas		Milkweed, mead's			\$5,000
Kansas		Orchid, western prairie fringed			\$500
Kansas		Plover, piping			\$500
Kansas		Plover, vestern snowy			\$500
Kansas		Shiner, Topeka			\$2,000
Kansas		Tern, least			\$500
Kentucky					\$0

Sheet1

Idaho		Salmon, chinook Snake River Fall run	\$276,000
Idaho		Salmon, chinook snake River Spring run	\$278,000
Idaho		Steelhead snake river basin	\$278,000
Idaho		Strugeon, white	\$4,000
Illinois			\$0
Indiana			\$0
Iowa			\$0
Louisiana			\$0
Maine		Eagle, bald	\$384
Maine		Lousewort, furbishes	\$576
Maine		Falcon, peregrine	\$240
Maryland		Bluet, Barrens	\$15,000
Massachusetts		Turtle, spotted	\$15,000
Massachusetts		Adders tongue fern	\$2,000
Massachusetts		Golden-wing warbler	\$2,000
Massachusetts		Diamondback terrapin	\$2,000
Massachusetts		Broom crowberry	\$2,000
Massachusetts		Bushy rockrose	\$2,000
Massachusetts		Northern Harrier	\$2,000
Massachusetts		Coastal heathland cutworm	\$2,000
Massachusetts		Gerhard's underwing moth	\$2,000
Massachusetts		Plover, piping	\$1,000
Michigan		Endangered species identification	\$42,500
Minnesota		Bear, louisana black	\$1,000
Mississippi		Chaffseed, american	\$25
Mississippi		Clubshell, black	\$25
Mississippi		Clubshell, ovate	\$700
Mississippi		Clubshell, southern	\$700
Mississippi		Combshell, southern	\$25
Mississippi		Crane, mississippi sandhill	\$100

Sheet1

Mississippi	Darter, bayou			\$1,600
Mississippi	Eagle, bald			\$25
Mississippi	Heelsplitter, inflated			\$25
Mississippi	Moccasinshell, alabama			\$700
Mississippi	Mucket, orange-nacre			\$700
Mississippi	Pigtoe, flat			\$25
Mississippi	Pigtoe, heavy			\$700
Mississippi	Pocketbook, flat			\$25
Mississippi	Pondberry			\$25
Mississippi	Potato-bean, price's			\$700
Mississippi	Quiltwort, louisiana			\$25
Mississippi	Stirrupshell			\$25
Mississippi	Strugeon, gulf			\$725
Mississippi	Strugeon, pallid			\$725
Mississippi	Tortoise, gopher			\$500
Mississippi	Turtle, ringed map			\$750
Mississippi	Turtle, yellow-blotched			\$750
Mississippi	Woodpecker, red-cockadad			\$750
Missouri				\$0
Montana	Trout, bull			\$1,000
Montana	Ferret, black-footed			\$900
Nebraska	Crane, whooping			\$17,500
Nebraska	Curlew, eskimo			\$900
Nebraska	Eagle, bald			\$56,500
Nebraska	Falcon, american peregrine			\$900
Nebraska	Plover, piping			\$200,000
Nebraska	Tem, least			\$200,000
Nebraska	Sturgeon, pallid			\$5,500
Nebraska	Beetle, american burying			\$900
Nebraska	Ladies'-tresses, ute			\$900

Sheet1

Nebraska		Orchid, western prairie fringed		\$900
Nebraska		Penstemon, blowout		\$1,400
Nebraska		Eagle, bald		\$500
New Jersey		Pink, swamp		\$500
New Jersey		Turtle, bog		\$2,000
New Jersey		Flycatcher, southwestern willow		\$5,000
New Mexico		Minnnow, rio grande silvery		\$4,000
New Mexico		Trout, gila		\$1,000
New York				\$0
Nevada				\$0
North Carolina		Orchid, western prairie fringed		\$1,000
North Dakota				\$0
Ohio				\$0
Oregon				\$0
Puerto Rico		Yellow-shouldered blackbird		\$51,700
Pennsylvania				\$0
Rhode Island		Topeka Shiner		\$150
South Dakota				\$0
South Carolina		Mussels, cumberland pigtoe		\$2,500
Tennessee		Amphidod, peck's cave		\$1,000
Texas		Beetle, comal springs dryopid		\$1,000
Texas		Beetle, comal springs riffle		\$1,000
Texas		Cactus, tobusch fishhook		\$500
Texas		Chicken, attwater's prairie		\$85,000
Texas		Darter, fountain		\$1,000
Texas		Eagle, bald		\$1,000
Texas		Falcon, peregrine (American & Artic)		\$1,000
Texas		Flycatcher, southwestern willow		\$500
Texas		Flower, texas prairie dawn-flower		\$10,000
Texas		Frankenia johnston's		\$1,000
Texas		Gambusia, pecos		\$500

Sheet1

Texas		Gambusia, san marcos		\$1,000
Texas		Ladies'-tresses, navasota		\$1,000
Texas		Jaguarundi		\$1,000
Texas		Ocelot		\$1,000
Texas		Rice, wild texas		\$1,000
Texas		Salamander, texas blind		\$1,000
Texas		Salamander, san marcos		\$1,000
Texas		Snowbells, texas		\$500
Texas		Toad, houston		\$5,000
Texas		Vireo, black-capped		\$5,000
Texas		Warbler, golden-cheeked		\$5,000
Texas		Wolf, mexican gray		\$500
Texas		Woodpecker, red-cockaded		\$1,000
Utah		Coneflower, smooth		\$5,400
Virginia		Joint-vetch, sensitive		\$9,200
Virginia		Mussel, james spiny		\$700
Virginia		Mussel, rough rabbitsfoot		\$7,700
Virginia		Turtle, bog		\$1,300
Virginia		Logpearch, roanoke		\$15,400
Virginia		Salmon, chinook fall		\$45,000
Washington		Salmon, chinook spr		\$150,000
Washington		Steelhead, upper columbia river		\$100,000
Washington		Steelhead, snake river basin		\$105,000
Washington		Steelhead, lower columbia river		\$60,000
West Virginia				\$0
Wisconsin		Crane, whooping		\$1,400
Wyoming		Eagle, bald		\$300
Wyoming		Falcon, american peregrine		\$100
Wyoming		Ferret, black-footed		\$700
Wyoming		Ladies'-tresses, ute		\$700
Wyoming		Mouse, preble's meadow jumping		\$2,400
Wyoming		Toad, wyoming		\$188,300
		1998 total:		\$3,506,600



701080
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 Cottrell

Donald R. Knowles
Director
Office of Protected Resources

Enclosure



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

Common Name	Scientific Name	Spending FY 1998	Spending FY 1999	Spending FY 2000	Spending FY 2001
<u>Fish</u>					
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
<u>Mammal</u>					
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)

Common Name	Scientific Name	Spending FY 1998	Spending FY 1999	Spending FY 2000	Spending FY 2001
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>Physeter macrocephalus</i>	0	0	0	0
<u>Reptile</u>					
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
<u>Seagrass</u>					
Seagrass, Johnson's	<i>Halophila johnsonii</i>	111	112	148	200
Candidate Species					
<u>Fish</u>					
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>Micropis 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)

Common Name	Scientific Name	Spending FY 1998	Spending FY 1999	Spending FY 2000	Spending FY 2001
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 ¹	<i>Pristis pectinata</i>	0	0	50	56
California rockfishes	<i>mult-species</i>	6	0	49	61
<u>Mammal</u>					
Whale, beluga	<i>Delphinapterus leucas</i>	109	145	284	670
Porpoise, harbor	<i>Phocoena phocoena</i>	0	150	0	0
<u>Invertebrates</u>					
Abalone, white ²	<i>Haliotis sorenseni</i>	0	0	174	135
Coral spp.	<i>Acropora palmata</i>	92	85	115	100
Total expenditure by species		28,151	36,195	53,029	95,879
Total annual ESA appropriation		29,779	38,699	55,470	102,476

¹Listed as endangered 2001

²Listed as endangered 2001

AES



OFFICE OF THE UNDER SECRETARY OF DEFENSE

3000 DEFENSE PENTAGON
WASHINGTON DC 20301-3000

ACQUISITION AND
TECHNOLOGY

Mr. Richard M. Smith
Deputy Director
U.S. Fish and Wildlife Service
Department of the Interior
Washington, DC 20240

Dear Mr. Smith:

The Department of Defense's report on FY 1998 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 1998, the Military Components invested \$25,712,800 on the conservation and management of federally-listed threatened and endangered species. The Department of the Army invested \$10,510,600; the Department of the Navy invested \$9,450,700, including \$6,202,200 by the Marine Corps; the Department of the Air Force invested \$5,701,500; and the Defense Logistics Agency invested \$50,000. Summary tables of each Component's efforts by species are enclosed. We have no land acquisition costs to 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.

Bruce C. deGrazia
Assistant Deputy Under Secretary of Defense
(Environmental Quality)

Enclosures



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

JAN 22 1999

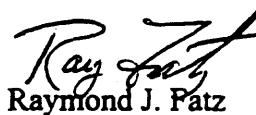
MEMORANDUM FOR DEPUTY UNDER SECRETARY OF DEFENSE
(ENVIRONMENTAL SECURITY)

SUBJECT: Annual Report of FY 1998 Threatened and Endangered Species
Expenditures

Reference memorandum from Assistant Deputy Under Secretary of
Defense (Environmental Quality), dated October 19, 1998, subject: Annual
Reporting of Threatened and Endangered Species Expenditures.

Information requested for the annual report to the U.S. Fish and Wildlife
Service is enclosed. It shows that the Army expenditures for FY 1998 were
\$10,510,600.

The point of contact in this office is Mr. Mark Dunning at (703) 614-9555.


Raymond J. Patz

Deputy Assistant Secretary of the Army
(Environment, Safety and Occupational Health)
OASA(I,L&E)

Enclosure

CF:
DAIM-ED-N

DEPARTMENT OF THE ARMY
FY 98 ESTIMATED EXPENDITURES FOR
THREATENED AND ENDANGERED SPECIES

SPECIES NAME	ARMY EXPENDITURES \$K
1. Mammals	
Bat, gray	125.8
Bat, Indiana	174.4
Bat, long-nosed	27.0
Fox, San Joaquin kit	188.1
Fox, swift	79.5
Mouse, Preble's meadow jumping	25.8
Wolf, gray	15.0
SUBTOTAL:	635.6
2. Birds	
Coot, Hawaiian	0.6
Creeper, Oahu	12.4
Duck, Hawaiian	0.6
Eagle, bald	199.0
Elepaio, Oahu	29.1
Falcon, American peregrine	106.5
Falcon, northern aplomado	79.5

SPECIES NAME	ARMY EXPENDITURES \$K
2. Birds (cont.)	
Falcon, peregrine	1.0
Flycatcher, southwestern willow	0.7
Moorhen, Hawaiian common	0.6
Owl, Mexican spotted	114.8
Owl, northern spotted	86.4
Plover, mountain	33.5
Plover, piping	1.0
Stilt, Hawaiian	0.6
Stork, wood	1.3
Tern, least	1.0
Vireo, black-capped	969.0
Vireo, least Bell's	6.3
Warbler, golden-cheeked	736.0
Woodpecker, red-cockaded	4993.2
SUBTOTAL:	7372.9
3. Reptiles	
Alligator, American	0.5
Snake, eastern indigo	20.0

Encl

SPECIES NAME	ARMY EXPENDITURES \$K
3. Reptiles (cont.)	
Tortoise, desert	769.0
Tortoise, gopher	61.3
Turtle, green sea	0.2
Turtle, Kemp's ridley sea	0.2
Turtle, leatherback sea	0.2
Turtle, loggerhead sea	0.2
SUBTOTAL:	851.6
4. Amphibians	
Frog, California red-legged	18.7
SUBTOTAL:	18.7
5. Fish	
Darter, Arkansas	7.1
Shiner, Topeka	4.0
Sturgeon, shortnose	21.2
Trout, greenback cutthroat	14.6
SUBTOTAL:	47.0
6. Clams	
Achatinella apexfulva	12.3
Achatinella byronii	12.3

SPECIES NAME	ARMY EXPENDITURES \$K
6. Clams (cont.)	
Achatinella curta	13.4
Achatinella decipiens	12.3
Achatinella leucorraphe	12.3
Achatinella lila	6.7
Achatinella livida	6.7
Achatinella mustelina	159.3
Achatinella sowerbyana	19.0
SUBTOTAL:	254.3
7. Insects	
Beetle, American burying	60.0
Butterfly, Karner blue	96.3
Butterfly, Oregon silverspot	11.5
Butterfly, Saint Francis' satyr	50.0
SUBTOTAL:	217.8
8. Crustaceans	
Fairy shrimp, vernal pool	65.0
Shrimp, Alabama cave	20.0
SUBTOTAL:	85.0

SPECIES NAME	ARMY EXPENDITURES \$K
9. Plants	
Alani	4.5
Alsinidendron obovatum	11.7
Alsinidendron trinerve	2.6
American chaffseed	100.0
Anaunau	14.3
Aupaka	2.6
Bonamia menziesii	11.7
Chamaesyce rockii	15.5
Chorro Creek bog thistle	20.0
Cyanea acuminata	7.1
Cyanea crispa	4.5
Cyanea grimesiana ssp grimesiana	2.6
Cyanea koolauensis	15.5
Cyanea st. johnii	4.5
Cyanea superba	11.7
Cyrtandra dentata	11.7
Cyrtandra subumbellata	2.6
Cyrtandra viridiflora	4.5

SPECIES NAME	ARMY EXPENDITURES \$K
8. Plants (cont.)	
Diella falcata	14.3
Eggert's sunflower	25.0
Euphorbia haeleeeleana	11.7
Hedyotis parvula	11.7
Hesperomannia arborescens	15.5
Kamakahala	2.6
Kamanomano	11.7
Kolea	4.5
Kulu 'I	18.3
Large-flowered skullcap	1.0
Lobelia gaudichaudii ssp koolauensis	2.6
Lobelia niihauensis	14.3
Lobelia oahuensis	14.3
Louisiana quillwort	14.1
Loulu	14.3
Mahoe	14.3
Ma 'oli 'oli	6.6
Ma 'o hau hele	6.6

SPECIES NAME	ARMY EXPENDITURES \$K
8. Plants (cont.)	
Mehamehame	14.3
Michaux sumac	130.0
Na 'ena 'e	11.7
Nanu	15.5
Nehe	11.7
Neraudia angulata var angulata	14.3
Neraudia angulata var dentata	11.7
Nioi	8.4
Oha	14.3
Ohai	100.0
Ohe 'ohe	12.9
Opuhe	2.6
Pamakani	14.3
Pauoa	11.7
Phyllostegia hirsuta	7.1
Phyllostegia kaalaensis	2.6
Phyllostegia mollis	2.6
Plantago princetonensis var longibracteata	4.5

SPECIES NAME	ARMY EXPENDITURES \$K
8. Plants (cont.)	
Plantago princetonensis var princeps	14.3
Price's potato bean	15.0
Pteris lidgatei	7.1
Relict trillium	3.7
Rough-leaved loosestrife	3.0
Sanicula maritima	11.7
Sanicula purpurea	4.5
Schiedea hookeri	14.3
Schiedea nuttallii	11.7
Silene lanceolata	11.7
Smooth coneflower	1.5
Sneed pincushion cactus	25.0
Spermolepis hawaiiensis	11.7
Tennessee yellow-eyed grass	3.0
Tetramolopium filiforme	11.7
Tetramolopium lepidotum ssp lepidotum	2.6
Ute ladies'-tresses	13.3
Viola oahuensis	7.1

SPECIES NAME	ARMY EXPENDITURES \$K
8. Plants (cont.)	
Wawae 'iole	4.5
Water howellia	7.4
Yadon's piperia	0.9
SUBTOTAL:	1027.8
ARMY TOTAL EXPENDITURES:	10510.6



DEPARTMENT OF THE NAVY
OFFICE OF THE ASSISTANT SECRETARY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

MEMORANDUM FOR THE ASSISTANT DEPUTY UNDER SECRETARY OF DEFENSE
(ENVIRONMENTAL QUALITY)

Subj: ANNUAL REPORTING OF THREATENED AND ENDANGERED SPECIES
EXPENDITURES

Ref: (a) ODUSD(ES) Memo of 19 Oct 98

Encl: (1) Navy Expenditures
(2) Marine Corps Expenditures

Per reference (a), Enclosures (1) and (2) are provided.

If there are questions, please call me at (703) 588-6671.

Very respectfully,

A handwritten signature in black ink, appearing to read "Lewis R. Shotton".

LEWIS R. SHOTTON
Director, Environmental Planning
and Natural Resources Policy



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO

5090
Ser N45D/90595140
25 JAN 1999

MEMORANDUM FOR DEPUTY ASSISTANT SECRETARY OF THE NAVY
(ENVIRONMENTAL AND SAFETY)

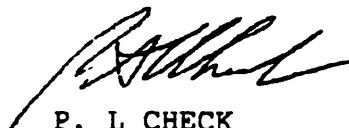
Subj: ANNUAL REPORTING OF THREATENED AND ENDANGERED SPECIES
EXPENDITURES - INFORMATION MEMORANDUM

Ref: (a) OUSD memo of 19 Oct 98

Encl: (1) Navy Expenditures on Threatened and Endangered
Species during Fiscal Year 1998

1. Enclosure (1) provides the FY1998 Navy report of expenditures for the conservation of threatened and endangered species as requested by reference (a). Expenditures in the amount of \$3,248,454 are reasonably identifiable to 44 specific species.

2. My point of contact for this matter is Mr. Thomas Egeland, N45D, (202) 685-9329.


P. L. CHECK
Captain, CEC, U.S. Navy
Director, Environmental Protection,
Safety and Occupational Health
Division (Acting)

Copy to:
N46
CMC(LFL)
NAVFAC(ENV)

**NAVY EXPENDITURES ON THREATENED AND ENDANGERED SPECIES
DURING FISCAL YEAR 1998**

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>(\$000)</u>
<u>Birds</u>		
Blackbird, Yellow-shouldered	<i>Agelaius xanthomus</i>	2.0
Eagle, Bald	<i>Haliaeetus leucocephalus</i>	29.3
Falcon, American Peregrine	<i>Falco peregrinus anatum</i>	1.0
Gnatcatcher, California	<i>Polioptila californica</i>	45.4
Murrelet, Marbled	<i>Brachyramphus marmoratus</i>	0.6
Pelican, Brown	<i>Pelecanus occidentalis</i>	2.0
Plover, Western Snowy	<i>Charadrius alexandrinus nivosus</i>	111.3
Rail, California Clapper	<i>Rallus longirostris obsoletus</i>	10.0
Rail, Light-footed Clapper	<i>Rallus longirostris levipes</i>	8.3
Shrike, San Clemente Loggerhead	<i>Lanius ludovicianus mearnsi</i>	1,320.0
Stork, Wood	<i>Mycteria americana</i>	117.5
Tern, California Least	<i>Sterna antillarum browni</i>	481.8
Towhee, Inyo California	<i>Pipilo crissalis eremophilus</i>	35.5
Vireo, Least Bell's	<i>Vireo bellii pusillus</i>	5.0
Woodpecker, Red-Cockaded	<i>Picoides borealis</i>	0.2
	SUBTOTAL: 2,169.9	
<u>Crustaceans</u>		
Shrimp, Riverside Fairy	<i>Stretocephalus woottoni</i>	10.0
Shrimp, San Diego Fairy	<i>Branchinecta sandiegoensis</i>	10.0
	SUBTOTAL: 20.0	
<u>Mammals</u>		
Bat, Indiana	<i>Myotis sodalis</i>	236.5
Kangaroo Rat, Fresno	<i>Dipodomys nitratoides exilis</i>	22.0
Kangaroo Rat, Stephens'	<i>Dipodomys stephensi</i>	17.9
Manatee, West Indian	<i>Trichechus manatus</i>	75.0
Mouse, Salt Marsh Harvest	<i>Reithrodontomys raviventris</i>	10.0
Rabbit, Lower Keys	<i>Sylvilagus palustris hefneri</i>	132.0
Whale, Right	<i>Balaena glacialis</i>	221.0
Wolf, Gray	<i>Canis lupus</i>	8.0
	SUBTOTAL: 722.4	
<u>Plants (sorted by scientific name)</u>		
San Clemente Island Indian Paintbrush	<i>Castilleja grisea</i>	32.0
Golden Paintbrush	<i>Castilleja levisecta</i>	10.0
Orcutt's Spineflower	<i>Chorizanthe orcuttiana</i>	20.3
Soft Bird's Beak	<i>Cordylanthus mollisa ssp. Mollisa</i>	10.0
San Diego Button-celery	<i>Eryngium aristulatum var parishii</i>	32.5
San Clemente Island Woodland Star	<i>Lithophragma maximum</i>	32.0
San Clemente Island Bush-mallow	<i>Malacothamnus clementinus</i>	5.3
Knieskern's Beaked-rush	<i>Rhynchospora knieskernii</i>	5.0
Santa Cruz Island Rock-cress	<i>Sibara filifolia</i>	32.0
	SUBTOTAL: 179.1	

(continued on next page)

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>FY 98 \$</u>
<u>Reptiles</u>		
Lizard, Flat-Tail Horned	<i>Phrynosoma mcallii</i>	42.0
Lizard, Island Night	<i>Xantusia riversiana</i>	7.5
Snake, Eastern Indigo	<i>Drymarchon corais couperi</i>	0.9
Tortoise, Desert	<i>Gopherus agassizii</i>	22.0
Turtle, Bog	<i>Clemmy muhlenbergii</i>	2.0
Turtle, Green Sea	<i>Chelonia mydas</i>	29.7
Turtle, Hawksbill Sea	<i>Eretmochelys imbricata</i>	14.3
Turtle, Kemp's (Atlantic) Ridley Sea	<i>Lepidochelys kempii</i>	3.0
Turtle, Leatherback Sea	<i>Dermochelys coriacea</i>	16.2
Turtle, Loggerhead Sea	<i>Caretta caretta</i>	19.5
	SUBTOTAL:	157.1
TOTAL (for 44 threatened and endangered species)		<u>\$3,248.5</u>

(by : cies)

[\$000]

Species - Common Name	MCRD Parris Island	MCAGCC 29 Palms	MCB Camp Lejeune	MCLB Barstow	MCB Hawaii	MCAS Pendleton	MCAS Beaufort	MCAS Yuma	MCLB Albany	MCAS Miramar	MCB Quantico	MCB Camp Pendleton	TOTAL
Baccharis, Encinitas										20.4			20.4
Brodies, Thread-leaf (newly listed)												51.6	51.6
Butterfly, Quino Checkerspot										0.5			0.5
Button-Celery, San Diego										24.3		95.4	119.7
Coot, Hawaiian					17								17
Duck, Hawaiian Koa					17								17
Eagle, bald	13.5										1		14.6
Flycatcher, southwestern willow						971.2						242.6	1213.8
Gallinule, Hawaiian					17								17
Gnatcatcher, coastal California										896.3		580.0	1456.3
loosestrife, rough leaved			104.9										104.9
Manzanita, Del Mar										20.4			20.4
Mesa -mint, San Diego										24.3			24.3
Monardella, willow										6.6			6.6
Mouse, Pacific pocket												105.0	105
Mussel, Dwarfwedge											6.4		6.4
Navaretia, spreading										4.7		95.4	100.1
Plover, western snowy												30.0	30
Pogonia, small whorled											10.6		10.6
Pondberry							1.7						1.7
Pronghorn, Sonoran								27					27
Rat, Stephens' kangaroo												45.0	45
Shrimp, Riverside fairy										0.9		43.8	44.7
Shrimp, San Diego fairy										29.5		44.0	73.6
Snake, eastern indigo									1				1
Spinflower, Orcutt's										20.4			20.4
Stilt, Hawaiian					112								112
Tern, California least												70.6	70.6
Thormint, San Diego										20.4			20.4
Toad, arroyo southwestern						110.2						372.6	482.8
Tortoise, desert		195		34				5					234
Tortoise, gopher									1				1
Turtle, loggerhead sea			52.1										52.1
Vireo, Least Bell's						971.2				12.7		339.0	1322.9
Woodpecker, red-cockaded			357										357
Total	13.5	195.0	514.0	34.0	163.0	2,052.6	1.7	32.0	2.0	1,081.4	18.0	2,095.0	6,202.2



DEPARTMENT OF THE AIR FORCE
WASHINGTON, DC



18 DEC 1998

MEMORANDUM FOR ASSISTANT DEPUTY UNDER SECRETARY OF DEFENSE
(ENVIRONMENTAL QUALITY)

FROM: HQ USAF/ILEV
1260 Air Force Pentagon
Washington, DC 20330-1260

SUBJECT: Annual Reporting of Threatened and Endangered Species Expenditures

The FY98 Air Force Threatened and Endangered Species Expenditure Report you requested is attached. We report a total of \$5,701.50K of expenses for the conservation and protection of federally listed threatened and endangered species on Air Force lands. If you or members of your staff have questions, please contact Dr. Douglas Ripley, HQ USAF/LEVP, phone 604-0632, e-mail: Douglas.Ripley@pentagon.af.mil.

TERESA R. POHLMAN
Chief, Environmental Division
DCS/Installations & Logistics

Attachment:
FY 98 T&E Species Expenditure Report

cc:
SAF/MIQ
HQ AFCEE/ECR

Threatened/Endangered Species Expenditures on Air Force Installations FY98

Installation	State	Species		Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
		Account#	Species			
Air Force Academy	CO		Mouse, Preble's Meadow Jumping	Biology research	\$32.00	
			Mouse, Preble's Meadow Jumping	Field ecology research		\$50.00
Altus AFB	OK			Not attributed to individual T&E species		\$0.50
Anderson AFB	Guam	67	Crow, Mariana	Section 7 Consultation	\$12.00	
Andrews AFB	MD		Gerardia, Sandplain	Protection, expansion	\$5.00	
Arnold AFB	TN		Bat, Indiana	Survey and inventory	\$75.00	
			Bat, Gray	Population monitoring	\$5.00	
			Sunflower, Eggert's	Population monitoring	\$25.00	
			Sunflower, Eggert's	Habitat management	\$7.00	
			Sunflower, Eggert's	Research and Propagation	\$383.00	
Avon Park AFR	FL	136	Woodpecker, Red-Cockaded	Annual Census	\$100.00	
		136	Woodpecker, Red-Cockaded	Habitat management	\$46.00	
		83	Jay, Florida Scrub	Annual Census	\$70.00	
		83	Jay, Florida Scrub	Habitat management	\$37.00	
		116	Sparrow, Florida Grasshopper	Annual Census	\$51.00	
		116	Sparrow, Florida Grasshopper	Section 7 consultation	\$2.00	
		116	Sparrow, Florida Grasshopper	Evaluate impact from fire ants	\$15.00	
		71	Eagle, Bald	Habitat management	\$5.00	
Barksdale AFB	LA	71	Eagle, Bald	Habitat management	\$70.00	
Beale AFB	CA		Shrimp, Vernal Pool Fairy	Habitat management	\$20.00	
			Shrimp, Tadpole Fairy	Habitat management	\$20.00	
Buckley ANG	CO	72	Falcon, American Peregrine	Biological Assessment	\$50.00	
Cannon AFB	NM	71	Eagle, Bald	Population survey	\$50.00	
Cape Canaveral	FL	83	Jay, Florida Scrub	Project mitigation	\$170.00	
		160	Turtle, Green Sea	Baseline survey	\$60.00	
Castle	CA		Fairy Shrimp	Project mitigation	\$228.00	
Columbus AFB	MS			Not attributed to individual T&E species		\$0.50
Davis Monthan	AZ		Owl, Cactus Ferruginous Pygmy	Consultation		\$1.00
Edwards AFB	CA	156	Tortoise, Desert	Section 7 consultation	\$80.00	
		156	Tortoise, Desert	Project mitigation	\$335.00	
		156	Tortoise, Desert	Projects to support Sec. 7 consultation	\$360.00	

Threatened/Endangered Species Expenditures on Air Force Installations FY98

Installation	State	Species		Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
		Account#	Species			
Eglin AFB	FL	136	Woodpecker, Red-Cockaded	Habitat protection & enhancement	\$216.00	
			Turtle, Green Sea	Habitat protection	\$17.50	
		160	Turtle, Loggerhead	Habitat protection	\$17.50	
		211	Darter, Okaloosa	Habitat protection	\$718.00	
Eilson AFB	AK	72	Falcon, American Peregrine	Mitigation study for delisting	\$36.00	
Elmendorf AFB	AK	72	Falcon, American Peregrine	Mitigation study for delisting	\$100.00	
Goldwater Range	AZ	8	Bat, Lesser long-nosed	Population monitoring	\$45.00	
		32	Pronghorn, Sonoran	Vegetation mapping	\$100.00	
		32	Pronghorn, Sonoran	Noise effects study	\$245.00	
Goodfellow AFB	TX			Not attributed to individual T&E species		\$0.50
HQ ACC	VA		Owl, Mexican Spotted	Consultation		\$30.00
			Owl, Mexican Spotted	Monitoring	\$50.00	
		71	Eagle, Bald	Monitoring	\$220.00	
			Flycatcher, Willow	Monitoring	\$220.00	
			Falcon, Aplomado	Monitoring	\$220.00	
		72	Falcon, Peregrine	Monitoring	\$220.00	
Holloman AFB	NM		Owl, Mexican Spotted	Consultation		\$10.00
Keesler AFB	MS			Not attributed to individual T&E species		\$0.50
Lackland AFB	TX			Not attributed to individual T&E species		\$0.50
Laughlin AFB	TX			Not attributed to individual T&E species		\$0.50
Little Rock AFB	AR			Not attributed to individual T&E species		\$0.50
Luke AFB	AZ			Not attributed to individual T&E species		\$0.50
Moody AFB	GA		Snake, Indigo	Habitat management	\$35.00	\$4.00
		71	Eagle, Bald	Habitat management	\$10.00	\$1.00
Nellis AFB	NV	156	Tortoise, Desert	Habitat management	\$50.00	
Patrick AFB	FL	160	Turtle, Green Sea	Population monitoring	\$20.00	
RAF Mildenhall	England			T&E Survey project	\$4.00	
Randolph AFB	TX			Not attributed to individual T&E species		\$0.50
Reese AFB	TX			Not attributed to individual T&E species		\$0.50
Seymour-Johnson AFB	NC	136	Woodpecker, Red-cockaded	Habitat management	\$235.00	
Shaw AFB	SC	136	Woodpecker, Red-cockaded	Habitat management	\$95.00	
		136	Woodpecker, Red-cockaded	Controlled burn	\$32.00	
		136	Woodpecker, Red-cockaded	Supplies	\$5.00	
		136	Woodpecker, Red-cockaded	Staff training	\$7.00	
		136	Woodpecker, Red-cockaded	Salary-RCW coordinator	\$40.00	

Threatened/Endangered Species Expenditures on Air Force Installations FY98

Installation	State	Species		Purpose	Programmed Amount (\$K)	Non-Programmed Amount (\$K)
		Account#	Species			
Sheppard AFB	TX			Not attributed to individual T&E species		\$0.50
Travis AFB	CA		Shrimp, Fairy	Education	\$7.00	
			Shrimp, Fairy	Mitigation	\$55.00	
			Shrimp, Fairy	Protection	\$1.00	
Tyndall AFB	FL		Plover, Snowy	Law enforcement	\$5.00	
		160	Turtle, Loggerhead	Nest monitoring	\$40.00	
		160	Turtle, Loggerhead	Law enforcement	\$5.00	
		160	Turtle, Loggerhead	Habitat restoration	\$10.00	
		27	Mouse, Southern Beach	Habitat restoration	\$10.00	
		122	Tern, Least	Law enforcement, Posting	\$5.00	
				Not attributed to individual T&E species		\$0.50
Vance AFB	OK			Not attributed to individual T&E species		\$0.50
Vandenberg AFB	CA	122	Tern, Least	Population monitoring/protection	\$69.00	
			Plover, Snowy	Population monitoring	\$97.00	
			Flycatcher, Southwestern Willow	Management plan	\$24.00	
AIR FORCE EXPENDITURES FOR THREATENED AND ENDANGERED SPECIES FY98:					\$5,599.00	\$102.50
TOTAL AIR FORCE EXPENDITURES FOR THREATENED AND ENDANGERED SPECIES FY98:					\$5,701.50	



DEFENSE LOGISTICS AGENCY
HEADQUARTERS
8725 JOHN J. KINGMAN ROAD, SUITE 2533
FORT BELVOIR, VIRGINIA 22060-6221

JAN 14 1999

IN REPLY
REFER TO

CAAE

MEMORANDUM FOR ASSISTANT DEPUTY UNDER SECRETARY OF DEFENSE
(ENVIRONMENTAL QUALITY), DUSD(ES)/EQ

SUBJECT: Annual Reporting of Threatened and Endangered Species Expenditures

This is in response to the DUSD(ES)/EQ memorandum of October 19, 1998, subject as above, requesting information on our FY 98 expenditures toward threatened and endangered species.

During FY 98, we spent \$50,000 on population recovery and habitat enhancement for the Palos Verdes blue butterfly (*Glaucopsyche lygdamus palosverdesensis*) at Defense Fuel Support Point San Pedro, California.

LTC Zia A. Mehr, USA, Staff Entomologist, is my point of contact for this issue. He can be reached at (703) 767-6245.


JAN B. REITMAN
Staff Director
Environmental and Safety Policy





DEPARTMENT OF THE ARMY

U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

REPLY TO
ATTENTION OF:

Programs Management Division
Program Formulation and Evaluation Branch

27 MAY 1999

Mr. Richard Hannan
Acting Chief, Division of Endangered Species
Fish and Wildlife Service
U. S. Department of the Interior
Washington, D. C. 20240

Dear Mr. Hannan:

Enclosed, in response to your director's letter of March 31, 1999, is a table providing the U. S. Army Corps of Engineers' input to the annual survey of the U. S. Fish and Wildlife Service on expenditures to implement the Endangered Species Act.

The table is modeled after the working template provided by Ms. Susan Jacobsen, addressing the 15 groups and 1,166 species currently covered under the Endangered Species Act (ESA). It shows estimated expenditures made by the Corps under the Direct Civil Works Program for implementation of the ESA in Fiscal Year 1998.

The table is also available electronically. If you want it that way, or have any questions about the input, please contact Jack Jurentkuff, (202) 761-4955.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas F. Caver, Jr.", with a long horizontal flourish extending to the right.

Thomas F. Caver, Jr.
Chief, Programs Management Division
Directorate of Civil Works

Enclosure

**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS CIVIL WORKS
DIRECT PROGRAM**

**FY98 EXPENDITURES TO IMPLEMENT THE ENDANGERED SPECIES ACT
(\$K)**

Region	Group	Invented Common Name	Status	Corps Divisions																					Corps										
				LSD			SPD			NSD			MSD			POD			RSD			SPD			SWD			General	Lands	Total					
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total											
3	A	Blt. gray	E	3.7		3.7			0.0				0.0		10.0		10.0			0.0		0.5		0.5				0.0	10.0		10.0	20.7		0.0	20.7
1	A	Blt. Hooded mery	E			0.0		0.0			0.0		0.0				0.0		0.0							0.0					0.0	0.0	0.0	0.0	
3	A	Blt. Indiana	E	2.0		2.0			0.0			0.0		0.5		0.5			0.0	1.5		1.5				0.0	10.0		10.0	20.0		0.0	20.0		
7	A	Blt. lesser long-neared	E			0.0	17.9		17.9			0.0			0.0		0.0			0.0	4.0		4.0		10.0		10.0		10.0	27.6		0.0	27.6		
1	A	Blt. Blue Mariana fruit	E			0.0			0.0			0.0		0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
1	A	Blt. Mariana fruit	E			0.0			0.0			0.0		0.0			0.0			0.0	7.6		7.6				0.0			0.0	7.6		0.0	7.6	
2	A	Blt. Mexican long-neared	E			0.0			0.0			0.0		0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
2	A	Blt. Ozark lip-eared	E			0.0			0.0			0.0		0.0			0.0			0.0						0.0	10.0		10.0	10.0		0.0	10.0		
6	A	Blt. Virginia lip-eared	E			0.0			0.0			0.0		0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
8	A	Boar, grizzly	T			0.0			0.0		2.0		2.0				0.0			0.0						0.0					0.0	2.0		2.0	
4	A	Boar, Louisiana marsh	T			0.0	73.5		73.5		0.0		0.0				0.0			0.0						0.0					0.0	73.5		73.5	
1	A	Caribou, woodland	E			0.0			0.0			0.0		0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
8	A	Cougar, eastern	E			0.0			0.0			0.0		0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
1	A	Deer, California white-tailed	E			0.0			0.0		10.7		10.7				0.0			0.0						0.0					0.0	10.7		10.7	
4	A	Deer, toy	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
8	A	Ferret, black-footed	E			0.0			0.0					0.0			0.0			0.0	1.0		1.0				0.0					1.0		1.0	
1	A	Fox, San Joaquin kit	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
2	A	Jaguar	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
2	A	Jaguand	E			0.0			0.0					0.0			0.0			0.0						0.0	10.0		10.0	10.0		0.0	10.0		
2	A	Jaguand	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
1	A	Kangaroo rat, Freno	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
1	A	Kangaroo rat, giant	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
1	A	Kangaroo rat, Sierra Bay	E			0.0			0.0					0.0			0.0			0.0	7.0		7.0				0.0					7.0		7.0	
1	A	Kangaroo rat, San Bernardino Mountain's	E			0.0			0.0					0.0			0.0			0.0	200.0		200.0				0.0					200.0		200.0	
1	A	Kangaroo rat, Stephens'	E			0.0			0.0					0.0			0.0			0.0	0.0		0.0			0.0					0.0	0.0	0.0	0.0	
1	A	Kangaroo rat, Tipton	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Manatee, West Indian (Florida)	E			0.0			0.0					0.0			0.0			0.0	2.3		2.3				0.0					2.3		2.3	
1	A	Muskrat beaver, Point Arena	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Moose, Alabama beach	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Moose, Annette Island beach	E			0.0			0.0					0.0			0.0			0.0	7.0		7.0				0.0					7.0		7.0	
4	A	Moose, Chukchi-Bechev beach	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Moose, Key Largo cotton	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
1	A	Moose, Pacific pocket	E			0.0			0.0					0.0			0.0			0.0	10.0		10.0				0.0					10.0		10.0	
4	A	Moose, Florida Key beach	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
6	A	Moose, Pribilof meadow jumping	T			0.0			0.0		297.0		297.0				0.0			0.0	0.0		0.0			0.0					0.0	297.0		297.0	
1	A	Moose, salt marsh harvest	E			0.0			0.0					0.0			0.0			0.0	1.0		1.0				0.0					1.0		1.0	
4	A	Moose, southeastern beach	T			0.0			0.0					0.0			0.0			0.0	12.0		12.0				0.0					12.0		12.0	
2	A	Ocotilla	E			0.0			0.0					0.0			0.0			0.0						0.0	10.0		10.0	10.0		0.0	10.0		
1	A	Oter, southern sea	T			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Parrot, Florida	E			0.0			0.0					0.0			0.0			0.0	11.0		11.0				0.0					11.0		11.0	
8	A	Prairie dog, Utah	T			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
2	A	Pronghorn, Serengeti	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Pygmy, Lower Keys	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
4	A	Rice rat (w/other rice rat)	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
N	A	Scooter, Steller	E,T			0.0			0.0		2.0		2.0				0.0			0.0	0.0		0.0			0.0					0.0	2.0		2.0	
N	A	Seal, Caribbean monk	E			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	
N	A	Seal, guadalupe fur	T			0.0			0.0					0.0			0.0			0.0						0.0					0.0	0.0	0.0	0.0	

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS CIVIL WORKS
DIRECT PROGRAM

FY98 EXPENDITURES TO IMPLEMENT THE ENDANGERED SPECIES ACT
(\$K)

Region	Group	Invertebrate Common Name	Status	Corps Divisions																								Corps																							
				LND			NVD			MMD			MND			POD			BAD			BPD			BWD																										
				General	Leads	Total	General	Leads	Total	General	Leads	Total	General	Leads	Total	General	Leads	Total	General	Leads	Total	General	Leads	Total	General	Leads	Total	General	Leads	Total																					
N	A	Owl, Hawaiian monk	E			00			00			00			00			00			00			00			00			00			00			00			00			00			00			00			00
I	A	Sheep, bighorn (Peninsular Ranges esp. in CA)	E			00			00			00			00			00			00			00			00			00			00			00			00			00			00			00			
S	A	Shrew, Dorsal Swoony southeastern	T			00		100		100			00			00			00		32		32			00			00			00			00			00			130		00	130			00				
4	A	Squirrel, Carolina northern flying	E			00			00			00			00			00			00			00			00			00			00			00			00			00			00			00			
S	A	Squirrel, Delmarva Peninsula lar	E			00			00		40		40			00			00				00			00			00			00			00			00			40		00	40			00				
2	A	Squirrel, Mount Graham red	E			00			00				00			00			00				00			00			00			00			00			00			00			00			00				
S	A	Squirrel, Virginia northern flying	E			00			00				00			00			00				00			00			00			00			00			00			00			00			00				
I	A	Vole, Arizopais	E			00			00				00			00			00				00			00			00			00			00			00			00			00			00				
4	A	Vole, Florida salt marsh	E			00			00				00			00			00				00			00			00			00			00			00			00			00			00				
2	A	Vole, Mississippi Mearns	E			00			00				00			00			00				00			00			00			00			00			00			00			00			00				
N	A	Whale, blue	E			00			00		20		20			00			00				00			00			00			10		10			20		20			00			20						
N	A	Whale, bowhead	E			00			00				00			00			00				00			00			00			00			00			00			00			00			00				
N	A	Whale, bowback	E			00		00		00		20		20			00			00			00			00			00			10		10			20			00			20								
N	A	Whale, gray	E			00			00				00		20		20			00			00			00			00			00			00			00			00			00			00				
N	A	Whale, humpback	E			00		00		10		10		20		20			00				00			00			10		10			40			40			00			40								
N	A	Whale, right	E			00		00		200		200		20		20			00		1000		1000			00		10		10			1000			1000			00			1000									
N	A	Whale, sei	E			00		00		00		20		20			00			00			00			10		10			10			20			20			00			20								
N	A	Whale, sperm	E			00		00		00		20		20			00			00			00			10		10			20			20			00			20											
S	A	Wolf, gray	E,T			00			00				00			00			00				00			00			00			00			00			00			00			00							
4	A	Wolf, red	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
4	A	Woodrat, Kay Largo	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Hawaii (Paracyclops)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Maui (Paracyclops)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Kauai (Paracyclops)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Oahu (Paracyclops)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
4	B	Woop, yellow-throated	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
2	B	Woop, masked (juv)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Guam	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
4	B	Woop, Aukland's crested	T			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, California	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Hawaiian (* also in site 4)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
4	B	Woop, Mississippi sandhill	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
2	B	Woop, whooping	E			00		00		00		10		10			00			00			30		30		3,100.0		3,100.0		1,100.0		1,100.0			3,100.0			3,100.0			3,100.0			3,100.0						
I	B	Woop, Hawaii	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Molokai (Hawaiian)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Oahu (Hawaiian)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Hawaiian (* also)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Molokai	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
4	B	Woop, white-necked	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
7	B	Woop, Eskola	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Hawaiian (Molokai)	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Woop, Laysan	E			00			00				00			00			00				00			00			00			00			00			00			00			00							
S	B	Eagle, bald	T	11.3		11.3		30.0		12.0		12.0		00.0		20		00.0		04.4		04.4		12.0		12.0		70.0		70.0			272.7		2.0	374.7			374.7			374.7									
7	B	Eagle, hooded	T			00			00				00			00			00				00			00			00			00			00			00			00			00							
7	B	Eagle, Short's	T			00			00				00			00			00				00			00			00			00			00			00			00			00							
I	B	Falcon, American peregrine	E	20.1		20.1		1.0		00.0		00.0		11.0		11.0		0.0		1.0		5.0		5.0		5.0		2.0		2.0			100.7			100.7			100.7			100.7									

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS CIVIL WORKS
DIRECT PROGRAM

FY98 EXPENDITURES TO IMPLEMENT THE ENDANGERED SPECIES ACT
(\$K)

Region	Group	Involved Common Name	Status	Corps Divisions																				Corps						
				LMD			MVD			NPD			NRD			POD			SMD			SPD			SRD			General	Lands	Total
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total						
2	B	Falcon, northern sparrowhawk	E			00			00			00			00			00	1.0		1.0	1.0		1.0	2.0	00	2.0			
1	B	Finch, Layton (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
1	B	Finch, Niles (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
2	B	Flycatcher, goldbreasted vireo	E			00			00			00			00			00	503.0		503.0			00	503.0	00	503.0			
1	B	Gnatcatcher, coastal California	T			00			00			00			00			00	100.0		100.0			00	100.0	00	100.0			
7	B	Goshawk, Audubon Canada	T			00			00	2.0		2.0			00			00	3.0		3.0			00	3.0	00	3.0			
1	B	Goshawk, Haudena (vireo)	E			00			00			00			00			00			00			00	00	00	00			
1	B	Hawk, Haudena (vireo)	E			00			00			00			00			00			00			00	00	00	00			
4	B	Hawk, Puerto Rican broad-winged	E			00			00			00			00			00			00			00	00	00	00			
4	B	Hawk, Puerto Rican sharp-shinned	E			00			00			00			00			00			00			00	00	00	00			
1	B	Paracyclop, crested ("alohakaha")	E			00			00			00			00			00			00			00	00	00	00			
4	B	Jay, Florida scrub	T			00			00			00			00	44.0		44.0			00			00	44.0	00	44.0			
1	B	Kingfisher, Queen Mourner	E			00			00			00			00			00			00			00	00	00	00			
4	B	Kite, Swainson's owl	E			00			00			00			00			00	00.0		00.0			00	00.0	00	00.0			
1	B	Mocker, Martins	E			00			00			00			00			00			00			00	00	00	00			
1	B	Megapode, Mourner (La Perouse's)	E			00			00			00			00			00			00			00	00	00	00			
1	B	Mourner, Niles (old world warbler)	E			00			00			00			00			00			00			00	00	00	00			
1	B	Mourner, Troon (old world flycatcher)	T			00			00			00			00			00			00			00	00	00	00			
1	B	Mourner, Haudena common	E			00			00			00			00			00			00			00	00	00	00			
1	B	Mourner, Martins common	E			00			00			00			00			00			00			00	00	00	00			
1	B	Mourner, married	T			00			00	4.0		4.0			00			00			00			00	4.0	00	4.0			
4	B	Nighthawk, Puerto Rican	E			00			00			00			00			00			00			00	00	00	00			
1	B	Nighthawk (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
1	B	O's, Kaul ("o's 'n' i") (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
1	B	O's (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
2	B	Owl, Mexican spotted	T			00			00			00			00			00			00			00	00	00	00			
1	B	Owl, northern spotted	T			00			00	2.0		2.0			00			00			00			00	2.0	00	2.0			
1	B	Owl, Paracyclop	E			00			00			00			00			00			00			00	00	00	00			
4	B	Owl, Puerto Rican	E			00			00			00			00			00			00			00	00	00	00			
1	B	Parrotlet, Maui (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
1	B	Pelican, brown	E			00	00		00			00	2.0		2.0			00			00	3.0		3.0	1.0	5.0	7.0			
1	B	Pelican, Haudena dark-rumped	E			00			00			00			00			00			00			00	00	00	00			
4	B	Pigeon, Puerto Rican star	E			00			00			00			00			00			00			00	00	00	00			
2	B	Plover, piping	E,T			00	1.0		1.0	707.0		707.0	201.0		201.0			47.0		47.0	4.0		4.0	141.0	1,107.0	00	1,107.0			
1	B	Plover, western snowy	T			00			00			00	1.0		1.0			00			00	0.0		00	0.0	00	00			
1	B	Py ruff (Paracyclop)	E			00			00			00			00			00			00			00	00	00	00			
2	B	Prairie-chicken, Atwater's greater	E			00			00			00			00			00			00			00	00	00	00			
2	B	Pyrrhuloxia, cactus ferruginous	E			00			00			00			00			00			00			00	00	00	00			
1	B	Red, California creaser	E			00			00			00			00			00			00			00	00	00	00			
1	B	Red, Queen	E			00			00			00			00			00			00			00	00	00	00			
1	B	Red, light-footed creaser	E			00			00			00			00			00			00	0.0		00	0.0	00	00			
2	B	Red, Yuma creaser	E			00			00			00			00			00			00			00	00	00	00			
1	B	Shearwater, Newell's Townsend's (Formerly Man)	T			00			00			00			00			00			00			00	00	00	00			
1	B	Shrike, San Clemente logperch	E			00			00			00			00			00			00			00	00	00	00			
4	B	Sparrow, Cape Sable seaside	E			00			00			00			00			00			00			00	372.0	00	372.0			
4	B	Sparrow, Florida grasshopper	E			00			00			00			00			00			00			00	00	00	00			

**DEPARTMENT OF THE ARMY
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**FY98 EXPENDITURES TO IMPLEMENT THE ENDANGERED SPECIES ACT
(\$K)**

Region	Group	Invented Common Name	Status	Corps Division																										
				LND			MVD			MHD			MMD			FDD			SMD			SPD			SWD			Corps		
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total
1	B	Sparrow, San Clemente sage	T			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0
1	B	SRL, Hawaiian (two's)	E			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0
4	B	Shark, hammerhead	E			0.0	4.0	4.0			0.0			0.0			40.0			40.0			0.0			0.0	0.0	0.0	52.0	52.0
1	B	Skullc, Mariana gray (mystic)	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	B	Tern, California least	E			0.0		0.0			0.0			0.0			0.0			0.0	0.0		0.0			0.0	0.0	0.0	0.0	0.0
3	B	Tern, least	E			0.0	40.0	40.0	70.0			70.0	200.0			200.0			0.0	12.0		12.0	4.0		4.0	40.0	40.0	400.0	0.0	400.0
5	B	Tern, noddle	E,T			0.0		0.0	0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0
1	B	Thrush, large Kaula	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	B	Thrush, Malabar (starline of)	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	B	Thrush, small Kaula (pusill)	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
2	B	Towhee, Iyo California (brown)	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
2	B	Trogl, black-capped	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0	0.0		0.0	0.0	0.0	0.0	0.0
1	B	Trogl, least Bell's	E			0.0		0.0			0.0			0.0			0.0			0.0	0.0		0.0			0.0	0.0	0.0	0.0	0.0
4	B	Warbler, Bachman's	E			0.0		0.0			0.0			0.0			0.0	0.2		0.2			0.0			0.0	0.2	0.2	0.2	0.2
2	B	Warbler, golden-cheeked	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0	0.0		0.0	0.0	0.0	0.0	0.0
3	B	Warbler, Kirtland's	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	B	Warbler, nightingale reed	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	B	Wheatear, bridled	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	B	Wheatear, navy-bellied	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	B	Wheatear, red-capped	E			0.0		0.0			0.0			0.0			14.0			14.0			0.0	0.0		0.0	0.0	0.0	0.0	0.0
4	C	Anole, Cuba's island giant	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	San, Mars	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	San, Puerto Rican	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	San, Virgin Islands tree	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Creeper, American	E			0.0		0.0			0.0			0.0			15.0			15.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Oscle, Martin	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Iguana, more ground	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	C	Lizard, blue-necked leopard	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	C	Lizard, Concho Valley fringe-toed	T			0.0		0.0			0.0			0.0			0.0			0.0	10.0		10.0			0.0	10.0	0.0	10.0	0.0
1	C	Lizard, island night	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Lizard, St. Croix ground	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
2	C	Pillboxer, New Mexican ridge-necked	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Snake, blunthead mudo	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Snake, sand	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Snake, Atlantic salt marsh	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
2	C	Snake, Concho water	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0	0.0		0.0	0.0	0.0	0.0	0.0
3	C	Snake, copperhead water (northern pop.)	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
4	C	Snake, eastern ridge	T			0.0		0.0			0.0			0.0			13.2			13.2			0.0			0.0	13.2	0.0	13.2	0.0
1	C	Snake, garter	T			0.0		0.0			0.0			0.0			0.0			0.0	10.0		10.0			0.0	10.0	0.0	10.0	0.0
1	C	Snake, San Francisco garter	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
1	C	Tortoise, desert	T			0.0		0.0			0.0			0.0			0.0			0.0	702.0		702.0			0.0	702.0	0.0	702.0	0.0
4	C	Tortoise, gopher	T			0.0		0.0			0.0			0.0			0.0	10.0		10.0			0.0			0.0	10.0	0.0	10.0	0.0
4	C	Turtle, Alabama redstart (wood-billed)	E			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
5	C	Turtle, bog (ridgway)	T			0.0		0.0	10.0		10.0			0.0			0.0			0.0			0.0			0.0	10.0	0.0	10.0	0.0
4	C	Turtle, ridgway	T			0.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0	0.0
2	C	Turtle, green sea	E,T			0.0	32.0	32.0	152.0		152.0			0.0			0.0			0.0	37.0		37.0			0.0	33.0	33.0	750.0	750.0

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Region	Group	Invected Common Name	Status	Corps Divisions																											
				LMD			MVD			NND			NWD			POD			SAD			SPD			SWD			Corps			
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	
2	C	Turtle, hawksbill sea (nearby)	E			0.0	32.5		32.5	13.0		13.0				0.0			11.0		11.0				0.0	12.0		12.0	88.1		88.1
2	C	Turtle, Karro's ridley sea	E			0.0	32.5		32.5	28.0		28.0	0.5		0.5			32.0		32.0				0.0	34.0		34.0	127.0		127.0	
2	C	Turtle, leatherback sea	E			0.0	32.5		32.5	13.0		13.0	1.0		1.0			11.0		11.0				0.0	13.0		13.0	70.3		70.3	
2	C	Turtle, loggerhead sea	T			0.0	32.5		32.5	104.0		104.0	0.0		0.0			434.2		434.2				0.0	39.0		39.0	804.2		804.2	
2	C	Turtle, olive ridley sea	E,T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
8	C	Turtle, Plymouth rockfish (road-kill)	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	C	Turtle, ringed map (nearbank)	T			0.0			0.0			0.0			0.0			7.5		7.5				0.0			0.0	7.6		7.6	
4	C	Turtle, yellow-matched map (nearbank)	T			0.0			0.0			0.0			0.0			47.0		47.0				0.0			0.0	47.0		47.0	
1	C	Whiptail, (white-foot racer) Alameda	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	D	Cowbird, golden	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	D	Frog, California red-legged	T			0.0			0.0			0.0			0.0									0.0	25.0		25.0	25.0		25.0	
4	D	Goshawk	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	D	Salamander, Barton Springs	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
8	D	Salamander, Chest Mountain	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	D	Salamander, desert slender	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	D	Salamander, Red Hills	T			0.0			0.0			0.0			0.0			40.0		40.0				0.0			0.0	40.0		40.0	
2	D	Salamander, San Marcos	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	D	Salamander, Santa Cruz long-toed	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
8	D	Salamander, Shenandoah	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	D	Salamander, Shenandoah tiger	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	D	Salamander, Texas blind	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	D	Toad, Arroyo southwestern	E			0.0			0.0			0.0			0.0								120.0		120.0		120.0	120.0		120.0	
2	D	Toad, Houston	E			0.0			0.0			0.0			0.0									0.0		0.0	0.0	0.0		0.0	
4	D	Toad, Puerto Rican crested	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
8	D	Toad, Wyoming	E			-0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	E	Catfish, Yazo	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	E	Catfish, Alabama	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	E	Catfish, Clark	T			0.0			0.0			0.0			0.0									0.0	1.0		1.0	1.0		1.0	
8	E	Chub, bonytail	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	E	Chub, Santa Leticia	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	E	Chub, Chinle	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
8	E	Chub, Humphrey	E			0.0			0.0			0.0			0.0								12.0		12.0		12.0	12.0		12.0	
1	E	Chub, Hudson	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	E	Chub, Mahone bl	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	E	Chub, Oregon	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	E	Chub, Owens bl	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	E	Chub, Palmetto	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	E	Chub, slender	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	E	Chub, Stovall	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	E	Chub, spottail (harlequin shiner)	T			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
8	E	Chub, Virgin River	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
2	E	Chub, Yagul	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
1	E	Chub	E			0.0			0.0			0.0			0.0									12.0		12.0		12.0	12.0		12.0
1	E	Dace, Ash Meadows speckled	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	
4	E	Dace, blackside	T			7.0			7.0			0.0			0.0									0.0			0.0	7.0		7.0	
1	E	Dace, Oliver valley speckled	E			0.0			0.0			0.0			0.0									0.0			0.0	0.0		0.0	

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(\$K)

Region	Group	Inverted Common Name	Status	Corps Divisions																				Corps							
				LRD			BVD			MAD			MRD			POD			SAD			SPD			SVD			General	Lands	Total	
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	
1	E	Deer, desert	T			00			00			00			00			00			00			00			00	00	00	00	
1	E	Deer, Foothill spotted	T			00			00			00			00			00			00			00			00	00	00	00	
1	E	Deer, Independence Valley spotted	E			00			00			00			00			00			00			00			00	00	00	00	
0	E	Deer, Kendall Warm Springs	E			00			00			00			00			00			00			00			00	00	00	00	
1	E	Deer, Mesa	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Deer, smoky	E			00			00			00			00		02	02			00			00			00	02	00	02	
4	E	Deer, bayou	T			00			00			00			00			00			00			00			00	00	00	00	
4	E	Deer, blueback (jimmy)	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Deer, blueStar (HSR River)	E	2		20			00			00			00			00			00			00			00	20	00	20	
4	E	Deer, Charles	T			00			00			00			00		03	03			00			00			00	03	00	03	
4	E	Deer, duskytail	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Deer, Spanish	E			00			00			00			00		02	02			00			00			00	02	00	02	
2	E	Deer, turkish	E			00			00			00			00			00		20			00			00	20	00	00	20	
4	E	Deer, yukon	T			00			00			00			00		02	02			00			00			00	02	00	02	
2	E	Deer, leopard	T			00			00			00			00			00		10			00			00	10	00	00	10	
6	E	Deer, Maryland	E			00			00			00			00			00			00			00			00	00	00	00	
3	E	Deer, Nungwa	T			00			00		50	00			00			00			00			00			00	00	00	00	
4	E	Deer, Obispo	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Deer, ridg	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Deer, stockwater	T	2		20			00			00			00			00			00			00			00	20	00	20	
4	E	Deer, sand	T	2		20			00			00			00			00			00			00			00	20	00	20	
4	E	Deer, watercross	E			00			00			00			00		02	02			00			00			00	02	00	02	
2	E	Dorobusa, Big Bend	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Dorobusa, Char Creek	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Dorobusa, Pecos	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Dorobusa, San Marcos	E			00			00			00			00			00			00			00			00	00	00	00	
1	E	Doby, Silverwater	E			00			00			00			00			00		200			00			00	200	00	00	200	
4	E	Laggarich, Conestoga	E			00			00			00			00		02	02			00			00			00	02	00	02	
6	E	Laggarich, Rainsville	E			00			00			00			00		702	702			00			00			00	702	00	702	
0	E	Madson, Napahe	T			00			00		50	00			00			00			00			00			00	50	00	50	
4	E	Madson, pygmy	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Madson, Soled	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Madson, Straly	E			00			00			00			00			00			00			00			00	00	00	00	
4	E	Madson, yuleah	T			00			00			00			00			00			00			00			00	00	00	00	
2	E	Milvern, Isiah	T			00			00			00			00			00		10			00			00	10	00	00	10	
2	E	Milvern, Rio Grande silvery	E			00			00			00			00			00		470			00			00	470	00	00	470	
1	E	Puffin, Pahump	E			00			00			00			00			00			00			00			00	00	00	00	
1	E	Puffin, Ash Meadows Armargosa	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Puffin, Camanche Springs	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Puffin, desert	E			00			00			00			00			00			00			00			00	00	00	00	
1	E	Puffin, Devils Hole	E			00			00			00			00			00			00			00			00	00	00	00	
2	E	Puffin, Lake Springs	E			00			00			00			00			00			00			00			00	00	00	00	
1	E	Puffin, Owens	E			00			00			00			00			00			00			00			00	00	00	00	
1	E	Puffin, Warm Springs	E			00			00			00			00			00			00			00			00	00	00	00	
11	E	Silvern, chinook, Sacramento R water run	T			00			00		400	0			00			00		120			00			00	4120	00	4120		
11	E	Silvern, chinook, Snake R fall run	T			00			00		17,201	1			00			00					00			00	17,201	1	500	0	18,201

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Region	Group	Invertebrate Common Name	Status	Corps Divisions																										
				LRD			MYD			HSD			NRD			POD			SAD			SPD			BWD			Corps		
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total
N	E	Salmon, chinook, Snake R spring/summer run	T			0.0			0.0			0.0	17,801.1	600.0	18,201.1			0.0			0.0			0.0			0.0	17,801.1	600.0	18,201.1
N	E	Salmon, coho	T			0.0			0.0			0.0	17,800.8	600.0	18,400.8			0.0			0.0			0.0			0.0	17,800.8	600.0	18,400.8
N	E	Salmon, sockeye (wad, Musbecq, Snake R)	E			0.0			0.0			0.0	17,778.0	600.0	18,278.0			0.0			0.0			0.0			0.0	17,778.0	600.0	18,278.0
A	E	Shad, pygmy	T			0.0			0.0			0.0			0.0			0.2		0.2			0.0			0.0	0.2		0.2	
Z	E	Shiner, bonafid	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
A	E	Shiner, blue	T			0.0			0.0			0.0			0.0			0.2		0.2			0.0			0.0	0.2		0.2	
A	E	Shiner, Calisto	E			0.0			0.0			0.0			0.0			0.2		0.2			0.0			0.0	0.2		0.2	
A	E	Shiner, Cape Fear	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
A	E	Shiner, Palozzo	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
Z	E	Shiner, Peace Northwest	T			0.0			0.0			0.0			0.0			0.0		4.0		4.0			0.0	4.0		4.0		
A	E	Shiner, Wiccanaw	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Small, dale	T			0.0			0.0			0.0			0.0			0.0		12.0		12.0			0.0	12.0		12.0		
Z	E	Splendace	T			0.0			0.0			0.0			0.0			0.0		1.0		1.0			0.0	1.0		1.0		
I	E	Splendace, Big Spring	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
Z	E	Splendace, Little Colorado	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Splendace, White River	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Springfish, High White River	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Springfish, Railroad Valley	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Springfish, White River	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
0	E	Sturgeon, Colorado	E			0.0			0.0			0.0			0.0			0.0		18.0		18.0			0.0	18.0		18.0		
N	E	Sturgeon (central CA coast)	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
N	E	Sturgeon (Central Valley CA)	T			0.0			0.0			0.0			0.0			0.0		1.0		1.0			0.0	1.0		1.0		
N	E	Sturgeon (lower Colorado R)	T			0.0			0.0			17,786.2			17,786.2			0.0		0.0			0.0			0.0	17,786.2		17,786.2	
N	E	Sturgeon (Snake R basin)	T			0.0			0.0			17,778.1	600.0	18,278.1			0.0		0.0		0.0			0.0		0.0	17,778.1	600.0	18,278.1	
N	E	Sturgeon (south central CA coast)	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
N	E	Sturgeon (southern CA coast)	E			0.0			0.0			17,729.6			17,729.6			0.0		0.0			0.0			0.0	17,729.6		17,729.6	
N	E	Sturgeon (upper Colorado R basin)	E			0.0			0.0			181.0			181.0			0.0		0.0			0.0			0.0	181.0		181.0	
I	E	Sturgeon, unarmored (prospira)	E			0.0			0.0			100.0			100.0			0.0		100.0		100.0			0.0	100.0		100.0		
A	E	Sturgeon, Gulf	T			0.0	1.0	1.0	0.0			0.0			0.0			1.0		1.0		1.0			0.0	1.0		1.0		
0	E	Sturgeon, gulf	E			0.0	86.8	86.8	0.0			387.6			387.6			0.0		0.0			0.0			0.0	443.0		443.0	
N	E	Sturgeon, shortnose	E			0.0			200.0			200.0			200.0			40.2		40.2		40.2			0.0	240.2		240.2		
I	E	Sturgeon, white (Klamath River pop.)	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
0	E	Sucker, blue	E			0.0			0.0			18.0			18.0			0.0		0.0			0.0			0.0	18.0		18.0	
I	E	Sucker, Long River	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Sucker, Mastic	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
0	E	Sucker, redbreast	E			0.0			0.0			0.0			0.0			0.0		18.0		18.0			0.0	18.0		18.0		
I	E	Sucker, shortnose	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Sucker, Warner	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
Z	E	Tasmanian, Otis (and Yalet)	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
Z	E	Treat, Apache (Mediterranean)	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Treat, bull (Colorado R pop.)	T			0.0			0.0			222.0			222.0			0.0		0.0			0.0			0.0	222.0		222.0	
I	E	Treat, bull (Jefferson R pop.)	E			0.0			0.0			25.0			25.0			0.0		0.0			0.0			0.0	25.0		25.0	
I	E	Treat, bull (Klamath R pop.)	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
Z	E	Treat, Otis	E			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
0	E	Treat, grassback cutthroat	T			0.0			0.0			0.0			0.0			0.0		0.0			0.0			0.0	0.0		0.0	
I	E	Treat, Lahontan cutthroat	T			0.0			0.0			0.0			0.0			0.0		12.0		12.0			0.0	12.0		12.0		

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				LRD			MVD			MAD			NRD			POD			SAD			SPD			SWD			Corps			
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	
1	0	Springwell, Bureau Hill	E			00			00			00			00			00			00			00			00	00	00	00	
1	0	Springwell, Mine	E			00			00			00	02		02			00			00			00			00	00	02	00	02
2	0	Springwell, Succo	E			00			00			00			00			00			00			00			00	00	00	00	
2	1	Steele, Canal Springs (R/R)	E			00			00			00			00			00			00			00			00	00	00	00	
2	1	Steele, Canal Springs (Wyeat)	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, Bolivar's silverwing	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, collared silverwing	E			00			00			00			00			00			00			00			00	00	00	00	
8	1	Steele, American burying (cigarlet carrier)	E			00			00			00			00			00			00			00		100	00	100	00	100	
2	1	Steele, Collin Cave mast	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Steele, dolls green ground	T			00			00			00			00			00			00			00			00	00	00	00	
2	1	Steele, Hungenburt's crawling water	E			00			00			00			00			00			00			00			00	00	00	00	
2	1	Steele, Kestelower Cave mast	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Steele, Mount Herman Junc	E			00			00			00			00			00			00			00			00	00	00	00	
8	1	Steele, northeastern beach tiger	T			00			100			100			00			00			00			00			00	100	00	100	
8	1	Steele, Puritan tiger	T			00			00			00			00			00			00			00			00	00	00	00	
2	1	Steele, Tooth Cave ground	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Steele, valley asterberry bryophan	T			00			00			00			00			00			100			100			00	100	00	100	
1	1	Stubbly, bay checkerspot	T			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, B Segments blue	E			00			00			00			00			00			00			00			00	00	00	00	
2	1	Stubbly, Kerner blue	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, Large's redstart	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, little blue	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, mission blue	E			00			00			00			00			00			00			00			00	00	00	00	
2	1	Stubbly, Mitchell's satyr	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, Myrtle's silverwing	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, Oregon silverwing	T			00			00			00	00		00			00			00			00			00	00	00	00	
1	1	Stubbly, Pales Venter blue	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, Quins checkerspot	E			00			00			00			00			00			400			400			00	400	00	400	
4	1	Stubbly, Saint Francis' satyr	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, San Bruno elfin	E			00			00			00			00			00			00			00			00	00	00	00	
4	1	Stubbly, Schaus woodrat	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Stubbly, Swain's blue	E			00			00			00			00			00			00			00			00	00	00	00	
8	1	Stubbly, Uncompahgre Military	E			00			00			00			00			00			00			00			00	00	00	00	
2	1	Draper's, Hov's (H-On) woodrat	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Fly, Delle Banda flower-loving	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	Grasshopper, Zayante band-winged	E			00			00			00			00			00			00			00			00	00	00	00	
1	1	moth, Nam pinivaca sphex	T			00			00			00			00			00			00			00			00	00	00	00	
1	1	Hummer, Ash Meadow	T			00			00			00			00			00			00			00			00	00	00	00	
1	1	Skoper, Laguna Mountains	E			00			00			00			00			00			00			00			00	00	00	00	
8	1	Skoper, Pecos Mountains	T			00			00			00			00			00			00			00			00	00	00	00	
2	J	Harvestman, Bas Creek Cave	E			00			00			00			00			00			00			00			00	00	00	00	
2	J	Harvestman, Baso Cave	E			00			00			00			00			00			00			00			00	00	00	00	
2	J	Pantabococopus, Tooth Cave	E			00			00			00			00			00			00			00			00	00	00	00	
4	J	Spider, grass-ly mass	E			00			00			00			00			00			00			00			00	00	00	00	
2	J	Spider, Tooth Cave	E			00			00			00			00			00			00			00			00	00	00	00	
8	K	Arachnid, Hay's Spring	E			00			00			00			00			00			00			00			00	00	00	00	

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(\$K)

Region	Group	Invented Common Name	Status	Corps Divisions																														
				LND			MND			NND			WWD			POD			SAD			SPD			BWD			Corps						
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total				
3	K	Amphibiol. Illinois cave	E			00			00			00			00			00			00			00			00			00			00	
2	K	Amphibiol. Pied's cave	E			00			00			00			00			00			00			00			00			00			00	
4	K	Crayfish, cave (no common name)	E			00			00			00			00			00			00			00			00			00			00	
4	K	Crayfish, cave (no common name)	E			00			00			00			00			00			00			00			00			00			00	
4	K	Crayfish, Nashville	E			00			00			00			00			00			00			00			00			00			00	
1	K	Crayfish, Shasta (wildlife)	E			00			00			00			00			00			00			00			00			00			00	
1	K	Fairy shrimp, Conservancy	E			00			00			00			00			00		120		120			00			00			00			00
1	K	Fairy shrimp, Ingham	E			00			00			00			00			00																00
7	K	Fairy shrimp, Riverside	E			00			00			00			00			00																00
1	K	Fairy shrimp, San Diego	E			00			00			00			00			00		100		100			00			00			00			00
1	K	Fairy shrimp, vernal pool	T			00			00			20			20			00		140		140			00			00			00			00
6	K	Isopod, Lee County cave	E			00			00			00			00			00																00
6	K	Isopod, Midway Cave	T			00			00			00			00			00																00
2	K	Isopod, Seavers	E			00			00			00			00			00																00
4	K	Shrimp, Alabama cave	E			00			00			00			00			00																00
1	K	Shrimp, California freshwater	E			00			00			00			00			00		120		120			00			00			00			00
4	K	Shrimp, Kentucky cave	E			00			00			00			00			00																00
4	K	Shrimp, Southern Chirrey Cave (#Florida cave)	T			00			00			00			00			00																00
1	K	Talpoia shrimp, vernal pool	E			00			00			00			00			00		140		140			00			00			00			00
1	Q	Alouatta palliata (Sci name)	E			00			00			00			00			00																00
1	Q	Alouatta palliata (Sci name)	E			00			00			00			00			00																00
1	Q	Achyrocline satureioides (Sci name)	E			00			00			00			00			00																00
1	Q	Ac	E			00			00			00			00			00																00
1	Q	Ac	E			00			00			00			00			00																00
2	Q	Agave, Arizona	E			00			00			00			00			00																00
1	Q	Ambrosia, papaya	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia, Eva Plana	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00
1	Q	Ambrosia	E			00			00			00			00			00																00

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Region	Group	Inverted Common Name	Status	Corps Division																					Corps		
				LAD			MVD			MSD			MMD			POD			SAD			SPD					
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total
8	Q	Shalders, Duffy Buft	T			00			00			00			00			00			00			00	00	00	00
8	Q	Shalders, Indochinese	E			00			00			00			00			00			00			00	00	00	00
4	Q	Shalders, Ypsa	T			00			00			00			00			00			00			00	00	00	00
3	Q	Shalders, Missouri	E			00			00			00			00			00			00			00	100	100	100
1	Q	Shalders, San Bernardino Mountains	E			00			00			00			00			00			00			00	00	00	00
4	Q	Shalders, Spring Creek	E			00			00			00			00			00			00			00	00	00	00
3	Q	Shalders, White	E			00			00			00			00			00			00			00	10	10	10
1	Q	Shawnee, Ash Meadows	T			00			00			00			00			00			00			00	00	00	00
4	Q	Shawnee, Miller's	T			00			00			00			00			00			00			00	00	00	00
4	Q	Shawnee, scrub	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, Hatten Lake	T			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, Hutton	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, Mann's	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, Mags	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, San Bernardino	E			00			00			00			00			00			00			00	00	00	00
2	Q	Shawnee, Kiersey's	E			00			00			00			00			00			00			00	00	00	00
4	Q	Shaw, Pecos Mountain	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee mansted (+Sci name)	E			00			00			00			00			00			00			00	00	00	00
4	Q	Shawnee, Florida	T			00			00			00			00			00			00			00	00	00	00
4	Q	Shawnee, Vail's	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, Chinese Camp	T			00			00			00			00			00			00			00	00	00	00
1	Q	Shaw, San Clemente Island	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, oakberry	E			00			00			00			00			00			00			00	00	00	00
4	Q	Shawnee, scrub	T			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, steamboat	E			00			00			00			00			00			00			00	00	00	00
8	Q	Shaw, Northeastern (varied birds)	E			00			00			00			00			00			00			00	00	00	00
3	Q	Shaw-claw, prairie	T			00			00			00			00			00			00			00	00	00	00
1	Q	Shaw-mallow, San Clemente Island	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shaw-mallow, Santa Cruz Island	E			00			00			00			00			00			00			00	00	00	00
8	Q	Shawnee, autumn	E			00			00			00			00			00			00			00	00	00	00
1	Q	Shawnee, Lays's	T			00			00			00			00			00			00			00	00	00	00
4	Q	Shawnee, Godfrey's	T			00			00			00			00			00			00			00	00	00	00
1	Q	Shaw-clay, San Diego	E			00			00			00			00			00			00			00	00	00	00
4	Q	Shaw, Miller's Barbary	T			00			00			00			00			00			00			00	00	00	00
3	Q	Cactus, Arizona hedgehog	E			00			00			00			00			00			00			00	00	00	00
1	Q	Cactus, Silverchili	E			00			00			00			00			00			00			00	00	00	00
2	Q	Cactus, Mach face	E			00			00			00			00			00			00			00	00	00	00
3	Q	Cactus, Brady prouchan	E			00			00			00			00			00			00			00	00	00	00
2	Q	Cactus, bunches cary	T			00			00			00			00			00			00			00	00	00	00
3	Q	Cactus, Chert Mill hedgehog	T			00			00			00			00			00			00			00	00	00	00
2	Q	Cactus, Caspae strouchan	T			00			00			00			00			00			00			00	00	00	00
4	Q	Cactus, Key tree	E			00			00			00			00			00			00			00	00	00	00
2	Q	Cactus, Keweenaw	E			00			00			00			00			00			00			00	00	00	00
2	Q	Cactus, Kusler hedgehog	E			00			00			00			00			00			00			00	00	00	00
3	Q	Cactus, Lee prouchan	T			00			00			00			00			00			00			00	00	00	00
2	Q	Cactus, Lloyd's hedgehog	E			00			00			00			00			00			00			00	00	00	00

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(\$K)**

Region	Group	Inverted Common Name	Status	Corps Divisions																														
				LAD			MWD			HWD			HWD			POD			BND			SPD			BWD			Corps						
				General	Land	Total	General	Land	Total	General	Land	Total	General	Land	Total	General	Land	Total	General	Land	Total	General	Land	Total	General	Land	Total	General	Land	Total				
2	Q	Cactus, Lily's hairless	T			00			00			00			00			00			00			00			00			00			00	
2	Q	Cactus, Mesa Verde	T			00			00			00			00			00			00			00		10		10			00	10	00	10
2	Q	Cactus, Nello cary	E			00			00			00			00			00			00			00							00	00	00	00
2	Q	Cactus, Nich's Turk's head	E			00			00			00			00			00			00			00							00	00	00	00
2	Q	Cactus, Postels Nevada	E			00			00			00			00			00			00			00		00		00			00	00	00	00
2	Q	Cactus, Pine pincushion	E			00			00			00			00			00			00			00		20		20			00	20	00	20
9	Q	Cactus, San Rafael	E			00			00			00			00			00			00			00		00		00			00	00	00	00
2	Q	Cactus, Silver cholla	T			00			00			00			00			00			00			00							00	00	00	00
2	Q	Cactus, Sued cholla	E			00			00			00			00			00			00			00							00	00	00	00
2	Q	Cactus, star	E			00			00			00			00			00			00			00							00	00	00	00
2	Q	Cactus, Tobacco cholla	E			00			00			00			00			00			00			00							00	00	00	00
6	Q	Cactus, Utah Basin hairless	T			00			00			00			00			00			00			00							00	00	00	00
6	Q	Cactus, Winkler	T			00			00			00			00			00			00			00							00	00	00	00
6	Q	Cactus, Wright cholla	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Calyptorhiza harrisi (+Sci name)	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Canyon, Hoop	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Cape rose	E			00			00			00			00			00			00			00							00	00	00	00
2	Q	Cat's-eye, Tuleburg Creek	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Ceanothus, coyote (+Calluna-Rac, Coyote)	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Ceanothus, Fire hill	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Century, spring-hung	T			00			00			00			00			00			00			00							00	00	00	00
1	Q	Chalk-leaver, round-travel	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Chaffseed, American	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Chamaejasme glaberrima var. nitida (+Sci)	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Chamaejasme hirsutum (+Sci name)	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Checker-mallow, Hornwood Marsh	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Checker-mallow, Nelson's	T			00			00			00			00			00			00			00							00	00	00	00
1	Q	Checker-mallow, patula	E			00			00			00			20			20			00			00							00	20	00	20
4	Q	Chickie, Nip	T			00			00			00			00			00			00			00							00	00	00	00
4	Q	Chicocillo (+Chungo)	E			00			00			00			00			00			00			00							00	00	00	00
6	Q	Chiquita, Pettens'	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Choke, Paine	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Choke, Pineda	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Choke, Springville	T			00			00			00			00			00			00			00							00	00	00	00
1	Q	Choke, Vito Hill	E			00			00			00			00			00			00			00							00	00	00	00
2	Q	Chin-woo, Arizona	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Chlor. Montano (+Old name)	E			00			00			00			00			00			00			00							00	00	00	00
3	Q	Chlor. running buffalo	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Chlor. showy lichen	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Chrysothrix, smooth	E			00			00			00			00			00			24.5			24.5							00	24.5	00	24.5
4	Q	Chrysothrix, Tennessee purple	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Circle lobelia	E			00			00			00			00			00			00			00							00	00	00	00
4	Q	Crocodylus acrid (+Sci name)	E			00			00			00			00			00			00			00							00	00	00	00
6	Q	Cross, sand-fan	E			00			00			00			00			00			00			00							00	00	00	00
1	Q	Crowshead, Nip-travel	T			00			00			00			00			00			00			00							00	00	00	00
1	Q	Cyano macgregori var. glaberr (+Sci name)	E			00			00			00			00			00			00			00							00	00	00	00

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Region	Group	Involved Common Name	Status	Corps Divisions																		Corps								
				LRD			MYD			NMD			HRD			POD			SND			SPD			SRD			General	Lands	Total
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total						
1	Q	Cyanus nebulosus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Cyanus ustulatus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
2	Q	Cyclonura jones	T			00			00			00			00			00			00			00			00	00	00	00
3	Q	Daisy, Islandia	T			00			00			00			00			00			00			00			00	00	00	00
8	Q	Daisy, Miguin	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Daisy, Parakee	T			00			00			00			00			00			00			00			00	00	00	00
4	Q	Diaprepes hateranus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
2	Q	Dawn-brewer, Texas prairie	E			00			00			00			00			00			00	140		00	140	140	00	00	140	00
1	Q	Dolichopus rhodopospermus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dolichopus ustulatus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
2	Q	Dryad, ash	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Drywall, Carley's	E			00			00			00			00			12	10	00	00			00	12	00	00	12	00	12
1	Q	Dumetia laetitia (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dumetia pustulata (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dulleys, Canby	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dulleys, Mercersburg	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dulleys, Santa Clara Valley	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dulleys, Santa Cruz Island	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dulleys, Varsity	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dulleys, Santa Monica Mountains	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Dwarf-Box, Marsh	T			00			00			00			00			00			00			00			00	00	00	00
4	Q	Earle	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Eugenia vesaliuyana (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Everglades-partridge, Ardoch Dunes	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Everglades-partridge, Everglades Valley	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Everglades-partridge, San Berdo	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Falderson, Large-billed	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Falderson, Pine Hill	E			00			00			00			00			00			00			00			00	00	00	00
2	Q	Falderson, Robbins	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Fair-wind, Wood's prairie	E			00			00			00			00			00			00			00			00	00	00	00
2	Q	Franklin, Johnson's	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Fringillid (House Finch), Santa Cruz Island	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Galea tardissima (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Gardiner, Hawaiian (no sci)	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Garrulax nebulosus (+Sci name)	T			00			00			10			10			00			00			00			00	10	00	10
1	Q	Gardiner, Hawaiian red-billed	E			00			00			00			00			00			00			00			00	00	00	00
8	Q	Gardiner, sandwich	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Gardiner's plover (+Sci name)	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Gila, Hallowell's slender-billed	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Gila, Marston	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Gilchrist, beautiful (pre-hyb)	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Gilchrist, Blue Ridge	T			00			00			00			00			00			00			00			00	00	00	00
2	Q	Gilchrist, Houghton's	T			00			00			00			00			00			00			00			00	00	00	00
4	Q	Gilchrist, Short's	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Gilchrist, white-headed	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Gilchrist, Bunker's	E			00			00			00			00			00			00			00			00	00	00	00

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				LND			MVD			MWD			MWD			POD			SAD			SPD			RWD			Corps		
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total
8	Q	Milvosa, White's	T			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mit, Cornell's (nearby, in part)	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mit, Leister's	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mit, longspurred	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mit, scrub	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mitracopus melanofus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mitracopus polychus (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
3	Q	Monkey-Bow, Michigan	E			00			00			00			00			00			00			00			00	00	00	00
3	Q	Morichand, northern wild	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Morung-guy, Beldens'	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Mourain bath, Indian Knob	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Mourain-Whiggy, Catina Island	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Murvalindan racematum (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Mustard, Carter's	E			00			00			00			00			00			00			00			00	00	00	00
8	Q	Mustard, Portland above ten	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Mustard, slender-petioled	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Myrica pagana (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica, dwarf	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica, few-flowered	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica, many-flowered	E			00			00			00			00			00			00			00			00	00	00	00
4	Q	Myrica, cubana	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica angustata (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica sericea (+Sci name)	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica, Avargosa	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
2	Q	Myrica, Hixley	T			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica	E			00			00			00			00			00			00			00			00	00	00	00
1	Q	Myrica s	E			00			00			00			00			00			00			00			00	00	00	00

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				LRD			MVD			NAD			NWD			POD			SAD			SPD			PWD			General	Lands	Total							
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total										
1	Q	Ohio	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Oahu	E			00			00			00			00			00			00			00			00			00			00			00	
3	Q	Ochot, eastern prairie longsp	T	33		33			00			00			00			00			00			00			00			00			00			00	
3	Q	Ochot, western prairie longsp	T			00	400		400			00			00			00			00			00			00			00	400			400			00
1	Q	Orcutt grass, Oregon's	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Orcutt grass, hairy (yellow)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Orcutt grass, Sacramento	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Orcutt grass, San Joaquin	T			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Orcutt grass, slender	T			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Oufa-clear, bushy	T			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Oryzopsis, eastwarty	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Pardunish, ash-gray	T			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Pardunish, golden	T			00			00		00		00			00			00			00			00			00			00			00			00
1	Q	Pardunish, ash-leaved	E			00			00		00		00			00			00			00			00			00			00			00			00
1	Q	Pardunish, Thurston	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pala californica	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pala de jaramo	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pala de Nipa	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pala de Roman	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Parrotia	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Parrotia	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Partridge, Carter's	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Paw fls	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pawson, beautiful	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pawson, four-lobed	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pawson, Rupp's	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pele del diablo	E			00			00			00			00			00			00			00			00			00			00			00	
2	Q	Pennyroyal, Tolson's	E			00			00			00			00			00			00			00			00			00			00			00	
8	Q	Pentstemon, Mojave	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Pentstemon, Lyon's	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Pentstemon, white-eyed	E			00			00			00			00			00			00			00			00			00			00			00	
4	Q	Pezomachus, Wheeler's	E			00			00			00			00			00			00			00			00			00			00			00	
8	Q	Phacelia, clay	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phacelia, island	E			00			00			00			00			00			00			00			00			00			00			00	
8	Q	Phacelia, North Park	E			00			00			00			00			00			00			00			00			00			00			00	
2	Q	Phlox, Texas trailing	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis glabra var. lanolensis (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis hirsuta (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis leptostachya (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis trichostachya (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis maritima (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis multiflora (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis parviflora (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis vulpina (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis wrightii (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	
1	Q	Phytolopsis wrightii (r801 name)	E			00			00			00			00			00			00			00			00			00			00			00	

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				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total						
1	Q	Synalaxis, Maritime	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Synalaxis, Orca's	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Synalaxis, Rednut (Ext. Soils Valley)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Synalaxis, slender-horned	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Synalaxis, Seneca	E			00			00			00			00			00			00			00			00			00			00			00
2	Q	Syrax, Virginia	T			00			00			00			00			00			00			00			00			00			00			00
4	Q	Syrax, white	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Syrax, Barber's	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Syrax, Heaver's	T			00			00			00			00			00			00			00			00			00			00			00
4	Q	Syrax, Malpas	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Stenogynis angustiflora (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Stenogynis levis (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Stenogynis sarcinulata (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Stenogynis tarachista (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Stenogynis Lake County	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Sturax, Michael's	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Sturax, Hartweg's golden	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Sturax, San Joaquin white	T			00			00			00			00			00			00			00			00			00			00			00
4	Q	Sturflower, Eggs'rs	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Sturflower, San Mateo weedy	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Sturflower, Schusteritz's	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Suryy, Ash Meadows	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Sushona, Seneca (+Dolychopod, Baker's)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Taraxacum, California	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Taraxacum subversella (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Tetradelimum recto (+Sci name)	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Tetradelimum arizonum (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Tetradelimum affinis (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Tetradelimum lapidum ssp. lapidum (+Sci)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Tetradelimum rufum (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Thalictrum, Chems Creek	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Thalictrum, fourish	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Thalictrum, Lash Leonard says	E			00			00			00			00			00			00			00			00			00			00			00
3	Q	Thalictrum, Pitzer's	T			00			00			00			00			00			00			00			00			00			00			00
2	Q	Thalictrum, Sacramento Mountains	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Thalictrum, Susan	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Thalictrum, San Mateo	E			00			00			00			00			00			00			00			00			00			00			00
8	Q	Thlaspidia, Last Chance	T			00			00			00			00			00			00			00			00			00			00			00
4	Q	Thlaspidia, Sydney frogs	E			00			00			00			00			00			00			00			00			00			00			00
1	Q	Thlaspidia singularis (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00
6	Q	Tribium, parviflorum	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Tribium, rufum	E			00			00			00			00			00			00			00			00			00			00			00
8	Q	Tropaeolum, Dudley Sluff	T			00			00			00			00			00			00			00			00			00			00			00
1	Q	Urtica	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Urtica	E			00			00			00			00			00			00			00			00			00			00			00
4	Q	Urtica arctica (+Sci name)	E			00			00			00			00			00			00			00			00			00			00			00

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS CIVIL WORKS
DIRECT PROGRAM

FY98 EXPENDITURES TO IMPLEMENT THE ENDANGERED SPECIES ACT
(\$K)

Region	Group	Inverted Common Name	Status	Corps Divisions																										
				LFD			MVD			HWD			MSD			POB			SAD			SPD			BWD			Corps		
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total
1	Q	Verash, Red Hills	T			00			00			00			00			00			00			00			00			00
1	Q	Wach, Hamillon	E			00			00			00			00			00			00			00			00			00
1	Q	Migma o-mahutatis (#00 name)	E			00			00			00			00			00			00			00			00			00
1	Q	Mila bahama (#00 name)	E			00			00			00			00			00			00			00			00			00
1	Q	Mila bahama (#00 name)	E			00			00			00			00			00			00			00			00			00
1	Q	Mila bahama (#00 name)	E			00			00			00			00			00			00			00			00			00
1	Q	Milama (#00 name or land)	E			00			00			00			00			00			00			00			00			00
1	Q	Willower, San Lamas	E			00			00			00			00			00			00			00			00			00
1	Q	Willower, Carlos Costa	E			00			00			00			00			00			00			00			00			00
1	Q	Willower, Morales'	E			00			00			00			00			00			00			00			00			00
4	Q	Whod, West bellen or regal	E			00			00			00			00			00			00			00			00			00
4	Q	Whoo, wido-leaf	E			00			00			00			00			00			00			00			00			00
1	Q	Watercross, Quab's	E			00			00			00			00			00			00			00			00			00
4	Q	Wing-glanton, Kral's	T			00			00			00			00			02			02			00			00			02
2	Q	Water-wind, HarChoa	E			00			00			00			00			00			00			00			00			00
4	Q	Water-wild, Conley's	E			00			00			00			00			00			00			00			00			00
4	Q	Whitew-art, gatory	T			00			00			00			00			00			00			00			00			00
0	Q	Wild-buckhead, clay-ling	E			00			00			00			00			00			00			00			00			00
2	Q	Wild-buckhead, gysom	T			00			00			00			00			00			00			00			00			00
1	Q	Wild-buckhead, southern mountain	T			00			00			00			00			00			00			00			00			00
2	Q	Wild-ns, Toms	E			00			00			00			00			00			00			00			20			20
0	Q	Wings, Pigeon	T			00			00			00			00			00			00			00			00			00
1	Q	Wild-ukca, Mathur	E			00			00			00			00			00			00			00			00			00
4	Q	Wildwood	E			00			00			00			00			00			00			00			00			00
1	Q	Wooded-ssr, San Clemente Island	E			00			00			00			00			00			00			00			00			00
1	Q	Wooly-ssr, Haver's	T			00			00			00			00			00			00			00			00			00
1	Q	Wooly-ssr, Santa Ana River	E			00			00			00			00			00			00			100.0			100.0			100.0
1	Q	Wooly-ssr, San Jacquin	E			00			00			00			00			00			00			00			00			00
1	Q	Xyloma arandum (#00 name)	E			00			00			00			00			00			00			00			00			00
4	Q	Zitaha, Santa	E			00			00			00			00			00			00			00			00			00
1	R	Cypress, Devon	T			00			00			00			00			00			00			00			00			00
1	R	Cypress, Santa Cruz	E			00			00			00			00			00			00			00			00			00
4	R	Ternays, Florida	E			00			00			00			00			00			00			00			00			00
4	S	Asterium vival (#00 name)	E			00			00			00			00			00			00			00			00			00
1	S	Asterium fragile var. trisore (#00 name)	E			00			00			00			00			00			00			00			00			00
1	S	Chilla fulcra (#00 name)	E			00			00			00			00			00			00			00			00			00
1	S	Chilla sulfida (#00 name)	E			00			00			00			00			00			00			00			00			00
1	S	Chilla unisora (#00 name)	E			00			00			00			00			00			00			00			00			00
1	S	Chilla . asterium-leavel	E			00			00			00			00			00			00			00			00			00
1	S	Dactylum melanosoma (#00 name)	E			00			00			00			00			00			00			00			00			00
4	S	Diploglossum apyrene (#00 name)	E			00			00			00			00			00			00			00			00			00
4	S	Fern, Adiantum strach-anus	T			00			00			00			00			00			00			00			00			00
7	S	Fern, Althaus phala	E			00			00			00			00			00			00			00			00			00
4	S	Fern, American hart's-tongue	T			00			00			00			00			00			00			00			00			00
4	S	Fern, Echin tree	E			00			00			00			00			00			00			00			00			00
1	S	Fern, pendant Ish	E			00			00			00			00			00			00			00			00			00

**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS CIVIL WORKS
DIRECT PROGRAM**

**FY98 EXPENDITURES TO IMPLEMENT THE ENDANGERED SPECIES ACT
(\$K)**

Region	Group	Invited Common Name	Status	Corps Divisions																					Corps							
				LFD			MVD			MAD			MWD			POD			SAD			SPD			SWD			TOTAL				
				General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total	General	Lands	Total		
1	0	NV IN	E			0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0					
1	0	Pasen	E			0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0					
4	0	Polypodium coloratum (*Sci name)	E			0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0					
1	0	Plant. ligula (*Sci name)	E			0.0			0.0			0.0			0.0			0.0			0.0			0.0	0.0	0.0	0.0					
4	0	Quilwort, black spined	E			0.0			0.0			0.0			0.0		1.0	1.0			0.0			0.0	1.0	0.0	1.0					
4	0	Quilwort, Louisiana	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
4	0	Quilwort, red-lemong	E			0.0			0.0			0.0			0.0		1.0	1.0			0.0			0.0	1.0	0.0	1.0					
4	0	Tactaria estromvarana (*Sci name)	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
4	0	Thelypoda hobbsiana (*Sci name)	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
4	0	Thelypoda varicorda (*Sci name)	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
4	0	Thelypoda yuccaeata (*Sci name)	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
1	0	Waves lily	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
1	0	Waves lily	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
4	U	Cladonia Florida parvula	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
4	U	Lichen, rock grass	E			0.0			0.0			0.0			0.0		0.0	0.0			0.0			0.0	0.0	0.0	0.0					
TOTAL						100.0	0.0	100.0	0.0	0.0	0.0	1,820.0	0.0	1,820.0	127,000.1	2,002.0	129,002.1	0.0	0.0	0.0	1,010.0	0.0	1,010.0	2,042.0	0.0	2,042.0	3,000.0	0.0	3,000.0	137,000.2	2,002.0	140,002.2



Department of Energy

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

ENVIRONMENT, FISH AND WILDLIFE

May 14, 1999

In reply refer to: KEW-4

Ms. E. LaVerne Smith
United States Department of the Interior
Fish and Wildlife Service
Division of Endangered Species – MS: 452ARLSQ
Washington, DC 20240

Dear Ms. Smith:

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) 1998. The ESA expenditures for FY 1998 include four (4) listed species. These species are the Redfish Lake (Snake River) Sockeye, the Snake River Spring/Summer Chinook, the Snake River Fall Chinook, and the Kootenai River Sturgeon. Where possible, these expenses are shown by species and in many cases benefit all of the species listed by BPA. The net power purchase/foregone revenues costs associated with hydro operations (spill, flow augmentation, water budget and reservoir levels) are estimates at this time because detailed analysis of these costs has not yet been completed. The hydro operations costs are based on the average of fifty (50) water years and are distributed between the two categories of Chinook listed below based on a 50/50 split to reflect the assumed benefits both species of Chinook receive. These costs include both those expenditures specifically mandated by ESA and also those expenditures that, while not specifically mandated, are intended to assist in the recovery of ESA listed species.

**Bonneville Power Administration
ESA Related Direct Fish and Wildlife Funding
(Dollars in Millions – Budget Outlays)
Fiscal Year 1998**

Snake River Spring/Summer Chinook	
Law Enforcement benefiting Chinook	\$0.2
Coded wire tagging Chinook	\$0.5
Snake River Chinook Projects	\$3.2
*Squawfish research and removal	<u>\$1.4</u>
	<i>SUBTOTAL</i> <u>\$5.3</u>
Net Power Purchases/Foregone Revenues	
MOA Actuals	<u>\$92.0</u>
	<i>TOTAL</i> <u>\$97.3</u>

Snake River Fall Chinook		
Law Enforcement benefiting Chinook		\$0.2
Coded wire tagging Chinook		\$0.5
Snake River Chinook Projects		\$3.2
*Squawfish research and removal		\$1.4
	SUBTOTAL	\$5.3
Net Power Purchases/Foregone Revenues		
MOA Actuals		\$92.0
	TOTAL	\$97.3
Redfish Lake/Snake River Sockeye		
Research benefiting Sockeye		\$1.8
Law Enforcement benefiting Sockeye		\$0.2
	TOTAL	\$2.0
Kootenai River Sturgeon		
Sturgeon Projects		\$3.5
	TOTAL	\$3.5

GRAND TOTAL ESA Outlays for Fiscal Year 1998	\$200.1
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*denotes activities that benefited all three listed species

If there is a need for further clarification or additional information, please contact Mr. Rollie Sivyer of the Environment, Fish and Wildlife Group at (503) 230-4210.

Sincerely,



D. Robert Lohn
Director for Fish and Wildlife



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240



IN REPLY REFER TO:

Environmental & Cultural
Management Resources
Code 204

OCT 27 1999

Ms. Jamie Rappaport-Clark, Director
U.S. Fish and Wildlife Service
Department of the Interior
1849 C Street, N.W., Room 3012
Washington, D.C. 20240

Dear Ms. Rappaport-Clark,

Enclosed you will find a list of Bureau of Indian Affairs' expenditures for Fiscal Year 1998 for federally listed threatened and endangered species. This is in reply to your request of March 31, 1999.

In Fiscal Year 1998, the Bureau of Indian Affairs expended \$6.6 million on 58 federally listed threatened and endangered species.

If you need additional information or clarification, please contact Valerie Guardia, Endangered Species Coordinator for the Bureau of Indian Affairs, at (202) 208-3607.

Sincerely,

Acting for Deputy Commissioner of Indian Affairs

Enclosure

BUREAU OF INDIAN AFFAIRS		
THREATENED AND ENDANGERED SPECIES EXPENDITURES		
FY 1998		
(dollars in thousands)		
GROUP	SPECIES	EXPENDITURES
A	Bat, Gray	0.5
A	Bat, Indiana	0.5
A	Bat, Lesser Long-Nosed	50.5
A	Bat, Ozark Big-Eared	0.5
A	Bear, Grizzly	120
A	Ferret, Black-footed	26.7
A	Jaguar	0.57
A	Panther, Florida	4
A	Pronghorn, Sonoran	4.3
A	Vole, Hualapai	20.5
A	Wolf, Gray	22.6
B	Eagle, Bald	38.7
B	Falcon, American Peregrine	94.6
B	Flycatcher, Southwestern Willow	211
B	Murrelet, Marbled	612.2
B	Owl, Cactus Ferruginous Pygmy	563.3
B	Owl, Mexican spotted	182.3
B	Owl, northern spotted	1386.8
3	Plover, Piping	11
B	Rail, Yuma Clapper	160
B	Tern, Least	1.1
B	Vireo, Black-capped	3
B	Woodpecker, Red-cockaded	0.5
C	Snake, Eastern Indigo	0.5
C	Tortoise, Desert	200.5
E	Cavefish, Ozark	0.5
E	Chub, Bony-tailed	61
E	Chub, Humpback	88.8
E	Darter, Leopard	0.2
E	Madtom, Neosho	0.5
E	Minnow, Loach	0.57
E	Salmon, chinook, Sac R. winter run	75
E	Salmon, coho, Central CA ESU	280
E	Salmon, coho, So OR/NoCA ESU	280
E	Squawfish, Colorado	596
E	Sucker, Razorback	822.8
E	Topminnow, Gila	50
E	Trout, Apache	0.9
E	Trout, Bull	14
F	Rock-pocketbook, Ouachita	0.2
G	Ambersnail, Kanab	3.3
I	Beetle, American burying	0.2
?	Blue-star, Kearney's	1

Sheet1

Q	Cactus, Brady's Pincusion	12.8
Q	Cactus, Knowlton	1
Q	Cactus, Mesa Verde	267.5
Q	Cactus, Nichol's Turk's Head	1
Q	Cactus, Pima Pineapple	53.5
Q	Cactus, Unintah Basin Hookless	2.3
Q	Ladies'-tresses, Ute	0.18
Q	Milkvetch, Mancos	265.3
Q	Milkvetch, Sentry	8.8
Q	Milkweed, Welsh's	4.8
Q	Orchid, eastern prairie fringed	5
Q	Orchid, western prairie fringed	5
Q	Sedge, Navajo	8.5
Q	Snakeroot	1
Q	Thistle, Sacramento Mtn.	2.5
	TOTAL EXPENDITURES	6630.32