



U. S. ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 10, 2011

**MEMORANDUM**

**SUBJECT:** Threatened or Endangered Mammals, Birds and Reptiles in LOCATES Database Since 1993 - To Support Re-initiation of Consultation on Sodium Cyanide (M-44) - PC Code 075002

**FROM:** Valerie Woodard, Biologist *Valerie Woodard*  
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**THROUGH:** Mah T. Shamim, Ph.D., Chief  
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**TO:** Arthur Jean B. Williams, Associate Director  
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As you are aware, we have developed a problem formulation to support an ecological risk assessment and endangered species effects determination for Sodium Cyanide and the Agency has determined it will re-initiate consultation with US Fish and Wildlife Service. The decision to re-initiate is based in part, on the fact that additional species have been listed as threatened or endangered since issuance of the Service's 1993 Biological Opinion. This memo summarizes the changes as reflected in the LOCATES database since the 1993 Biological Opinion.

Attachment 1 shows the mammal, bird and reptile listed species added to the database since 1993. This list was refined to include only those species occurring in or with designated habitat in MT, NM, SD, TX, or WY where M-44 is registered for use, or in AZ and UT where use is permitted under a label registered to the Navaho Nation. This refined list (Attachment 2) includes three mammals and three birds. The reptiles identified in Attachment 1 do not have habitats located in states that allow 1080 use.

Attachments

<b>Attachment I. Species Listed Since 1993 Biological Opinion</b>			
COMMON NAME	SCIENTIFIC NAME	LISTED	TAXON
Bear, Grizzly	<i>Ursus arctos horribilis</i>	3/29/2007	Mammal
Deer, Columbian White-tailed	<i>Odocoileus virginianus leucurus</i>	7/24/2003	Mammal
Wolf, Gray	<i>Canis lupus</i>	5/4/2009	Mammal
Lynx, Canada	<i>Lynx Canadensis</i>	3/24/2000	Mammal
Fox, San Miguel Island	<i>Urocyon littoralis littoralis</i>	3/5/2004	Mammal
Fox, Santa Catalina Island	<i>Urocyon littoralis catalinae</i>	3/5/2004	Mammal
Fox, Santa Cruz Island	<i>Urocyon littoralis santacruzae</i>	3/5/2004	Mammal
Fox, Santa Rosa Island	<i>Urocyon littoralis santarosae</i>	3/5/2004	Mammal
Mouse, Pacific Pocket	<i>Perognathus longimembris pacificus</i>	2/3/1994	Mammal
Mouse, Preble's Meadow Jumping	<i>Zapus hudsonius preblei</i>	5/13/1998	Mammal
Mouse, St. Andrew Beach	<i>Peromyscus polionotus peninsularis</i>	12/18/1998	Mammal
Rabbit, Riparian Brush	<i>Sylvilagus bachmani riparius</i>	2/23/2000	Mammal
Shrew, Buena Vista Lake Ornate	<i>Sorex ornatus relictus</i>	3/6/2002	Mammal
Squirrel, Northern Idaho Ground	<i>Spermophilus brunneus brunneus</i>	4/5/2000	Mammal
Woodrat, Riparian	<i>Neotoma fuscipes riparia</i>	2/23/2000	Mammal
Kangaroo Rat, San Bernardino Merriam's	<i>Dipodomys merriami parvus</i>	1/27/1998	Mammal
Rabbit, Pygmy	<i>Brachylagus idahoensis</i>	11/30/2001	Mammal
Bear, polar	<i>Ursus maritimus</i>	5/15/2008	Mammal
Eagle, Bald	<i>Haliaeetus leucocephalus</i>	5/1/2008	Bird
White-eye, Rota Bridled	<i>Zosterops rotensis</i>	1/22/2004	Bird
Hawk, Puerto Rican Broad-winged	<i>Buteo platypterus brunnescens</i>	9/9/1994	Bird
Hawk, Puerto Rican Sharp-shinned	<i>Accipiter striatus venator</i>	9/9/1994	Bird
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	3/16/1993	Bird
Plover, Western Snowy	<i>Charadrius alexandrinus nivosus</i>	3/5/1993	Bird
Gnatcatcher, Coastal California	<i>Polioptila californica californica</i>	3/30/1993	Bird
Eider, Spectacled	<i>Somateria fischeri</i>	5/10/1993	Bird
Eider, Steller's	<i>Polysticta stelleri</i>	6/11/1997	Bird
Flycatcher,	<i>Empidonax traillii</i>	2/27/1995	Bird

Southwestern Willow	extimus		
Kauai creeper	Oreomystis bairdi	5/13/2010	Bird
Elepaio, Oahu	Chasiempis sandwichensis ibidis	4/18/2000	Bird
Snake, Northern Copperbelly Water	Nerodia erythrogaster neglecta	1/29/1997	Reptile
Turtle, Bog	Clemmys muhlenbergii	11/4/1997	Reptile
Whipsnake (=Striped Racer), Alameda	Masticophis lateralis euryxanthus	12/5/1997	Reptile
Snake, Lake Erie Water	Nerodia sipedon insularum	8/30/1999	Reptile
Snake, Giant Garter	Thamnophis gigas	10/20/1993	Reptile

**Attachment 2. Species Listed Since 1993 Biological Opinion With Habitats in Areas With Sodium Cyanide Use**

Name	Scientific Name	Listed	Taxon	States
Bear, Grizzly	<i>Ursus arctos horribilis</i>	3/29/2007	Mammal	MT, WY
Wolf, Gray	<i>Canis lupus</i>	5/4/2009	Mammal	WY
Lynx, Canada	<i>Lynx canadensis</i>	3/24/2000	Mammal	MT, WY
Eagle, Bald	<i>Haliaeetus leucocephalus</i>	5/1/2008	Bird	AZ*, NM, TX
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	3/16/1993	Bird	AZ*, NM, TX, UT*
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	2/27/1995	Bird	AZ*, NM, TX, UT*

\*AZ and UT are both covered under the Navaho label.