

***APPENDIX E***  
***FEDERALLY LISTED AND CANDIDATE PLANT AND***  
***ANIMAL SPECIES AND SPECIES OF CONCERN***

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**FEDERALLY LISTED and CANDIDATE  
PLANT and ANIMAL SPECIES  
and SPECIES OF CONCERN --  
COUNTY LIST FOR NEW MEXICO  
(specific to Cannon Air Force Base Defense Training Initiative Proposal, March 2001)**

**Mammals**

**ENDANGERED**

Black-footed ferret, Mustela nigripes  
statewide *except* Hidalgo, Luna, Doña Ana

**CANDIDATE SPECIES**

Swift fox, Vulpes velox  
Chaves, Colfax, Curry, De Baca, Eddy, Guadalupe, Harding, Lea, Mora,  
Quay, Roosevelt, San Miguel, Union  
Black-tailed prairie dog, Cynomys ludovicianus  
Chaves, Colfax, Curry, De Baca, Eddy, Guadalupe, Harding, Hidalgo  
(introduced), Lea, Lincoln, Mora, Otero, Quay, Roosevelt, San Miguel, Sierra  
(introduced), Socorro, Torrance, Union

**SPECIES OF CONCERN**

Cave myotis, Myotis velifer  
Catron, Eddy, Grant, Hidalgo, Lea, Lincoln, Luna, Otero  
Desert pocket gopher, Geomys bursarius arenarius  
Chaves, Doña Ana, Luna, Otero, Socorro  
Fringed myotis, Myotis thysanodes  
Bernalillo, Catron, Chaves, Cibola, Colfax, Doña Ana, Eddy, Grant, Hidalgo,  
Lincoln, Luna, McKinley, Mora, Otero, Sandoval, San Juan, San Miguel,  
Santa Fe, Sierra, Socorro, Taos, Torrance, Union, Valencia  
Gray-footed chipmunk, Tamias canipes  
Eddy, Lincoln, Otero  
Long-eared myotis, Myotis evotis  
Catron, Chaves, Cibola, Colfax, McKinley, Rio Arriba, Sandoval, San Juan,  
San Miguel, Sierra, Socorro, Taos, Valencia  
New Mexican meadow jumping mouse, Zapus hudsonius luteus  
Bernalillo, Colfax, Lincoln, Los Alamos, Mora, Otero, Rio Arriba, San  
Miguel, Sandoval, Santa Fe, Socorro, Taos, Valencia  
Occult little brown bat, Myotis lucifugus occultus  
Bernalillo, Catron, Chaves, Cibola, Colfax, Doña Ana, Eddy, Grant, Hidalgo,  
Lincoln, Los Alamos, McKinley, Mora, Otero, Rio Arriba, San Juan,  
Sandoval, San Miguel, Santa Fe, Sierra, Socorro, Taos, Torrance, Valencia  
Organ Mountains Colorado chipmunk, Eutamias quadrivittatus australis  
Doña Ana, Lincoln, Sierra, Socorro

Townsend's big-eared bat, Corynorhinus townsendii

Bernalillo, Catron, Chaves, Doña Ana, Eddy, Grant, Hidalgo, Lincoln, Luna, Mora, Otero, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Union

Western red bat, Lasiurus blossevillii

Catron, Chaves, Doña Ana, Eddy, Hidalgo, Roosevelt

Pecos River muskrat, Ondatra zibethicus ripensis

Bernalillo, Chaves, Doña Ana, Eddy, Guadalupe, Lincoln, San Miguel, Socorro, Valencia

Spotted bat, Euderma maculatum

Bernalillo, Catron, Cibola, Doña Ana, Grant, Guadalupe, Hidalgo, Los Alamos, Luna, McKinley, Mora, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Torrance, Valencia

## **Birds**

### **ENDANGERED**

Interior least tern, Sterna antillarum

Catron, Chaves, DeBaca, Doña Ana, Eddy, Otero, Rio Arriba, Socorro

Northern aplomado falcon, Falco femoralis septentrionalis

Chaves, Doña Ana, Eddy, Grant, Hidalgo, Lea, Lincoln, Luna, Otero, Sierra, Socorro

Southwestern willow flycatcher, Empidonax traillii extimus (with critical habitat only in Catron, Grant, and Hidalgo counties) Bernalillo, Catron, Cibola, Colfax, Doña Ana, Grant, Guadalupe, Hidalgo, Los Alamos, Luna, McKinley, Mora, Otero, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Valencia

### **THREATENED**

Bald eagle, Haliaeetus leucocephalus  
statewide

Mexican spotted owl, Strix occidentalis lucida (with proposed critical habitat except Doña Ana and Eddy counties) Bernalillo, Catron, Cibola, Colfax, Doña Ana, Eddy, Grant, Hidalgo, Lincoln, Los Alamos, McKinley, Mora, Otero, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Torrance, Valencia

### **NONESSENTIAL EXPERIMENTAL**

Whooping crane, Grus americana

Bernalillo, Doña Ana, Grant, Los Alamos, Luna, Rio Arriba, Roosevelt, Sandoval, San Miguel, Santa Fe, Sierra, Socorro, Taos, Union, Valencia

### **CANDIDATE SPECIES**

Lesser prairie chicken, Tympanuchus pallidicinctus

Chaves, Curry, De Baca, Eddy, Guadalupe, Harding, Lea, Quay, Roosevelt, Union.

PROPOSED THREATENED

Mountain plover, Charadrius montanus

Bernalillo, Catron, Chaves, Cibola, Colfax, De Baca, Guadalupe, Harding, Hidalgo, Lincoln, Luna, McKinley, Mora, Otero, Quay, Sandoval, San Juan, San Miguel, Santa Fe, Socorro, Taos, Torrance, Union, Valencia

SPECIES OF CONCERN

American peregrine falcon, Falco peregrinus anatum  
statewide

Arctic peregrine falcon, Falco peregrinus tundrius  
statewide in migration

Baird's sparrow, Ammodramus bairdii

Bernalillo, Catron, Chaves, Colfax, Curry, De Baca, Doña Ana, Eddy, Grant, Guadalupe, Harding, Hidalgo, Lea, Lincoln, Luna, Mora, Otero, Quay, Rio Arriba, Roosevelt, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Torrance, Union, Valencia

Black tern, Chlidonias niger

Bernalillo, Chaves, Doña Ana, Eddy, McKinley, Otero, Quay, Rio Arriba, San Juan, San Miguel, Sierra, Socorro, Torrance

Ferruginous hawk, Buteo regalis  
statewide

Loggerhead shrike, Lanius ludovicianus  
statewide

Northern goshawk, Accipiter gentilis

Bernalillo, Catron, Chaves, Cibola, Colfax, Eddy, Grant, Hidalgo, Lincoln, Los Alamos, McKinley, Mora, Otero, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Torrance, Union, Valencia

Western burrowing owl, Athene cunicularia hypugaea

Bernalillo, Catron, Chaves, Cibola, Colfax, Curry, De Baca, Doña Ana, Eddy, Harding, Hidalgo, Lea, Luna, McKinley, Mora, Otero, Quay, Roosevelt, Sandoval, San Juan, San Miguel, Sierra, Union, Valencia

White-faced ibis, Plegadis chihi

Bernalillo, Chaves, Colfax, De Baca, Doña Ana, Eddy, Guadalupe, Harding, Los Alamos, McKinley, Mora, Otero, Quay, Rio Arriba, San Juan, Sandoval, San Miguel, Santa Fe, Sierra, Socorro, Taos, Union, Valencia

Yellow-billed cuckoo, Coccyzus americanus  
statewide

**Reptiles**

SPECIES OF CONCERN

Sand dune lizard, Sceloporus arenicolus

Chaves, Eddy, Lea, Roosevelt

Texas horned lizard, Phrynosoma cornutum

Bernalillo, Chaves, Cibola, Colfax, Curry, De Baca, Doña Ana, Eddy, Grant, Guadalupe, Harding, Hidalgo, Lea, Lincoln, Luna, Mora, Otero, Quay, Roosevelt, San Miguel, Santa Fe, Sierra, Socorro, Torrance, Union

## Amphibians

### SPECIES OF CONCERN

Sacramento mountain salamander, Aneides hardii  
Lincoln, Otero

## Fish

### ENDANGERED

Pecos gambusia, Gambusia nobilis  
Chaves, Eddy

### THREATENED

Pecos bluntnose shiner, Notropis simus pecosensis (with critical habitat)  
Chaves, De Baca, Eddy  
Arkansas River shiner, Notropis girardi (native population only)  
Colfax, Harding, Mora, Quay, San Miguel, Union

### SPECIES OF CONCERN

Arkansas River speckled chub, Macrhybopsis aestivalis tetranemus  
Quay  
Flathead chub, Platygobio (=Hybopsis) gracilis  
Bernalillo, Colfax, DeBaca, Guadalupe, Harding, Los Alamos, Mora, Quay, Rio Arriba, Sandoval, San Miguel, Santa Fe, Socorro, Taos, Union, Valencia  
Headwater catfish, Ictalurus lupus  
Chaves, DeBaca, Eddy  
Longfin dace, Agosia chrysogaster  
Catron, Grant, Hidalgo, Lincoln\*, Luna, Sierra\*, Socorro\*  
Pecos pupfish, Cyprinodon pecosensis  
Chaves, Eddy  
Plains minnow, Hybognathus placitus  
Chaves\*, Colfax, DeBaca\*, Eddy\*, Guadalupe\*, Harding, Quay, San Miguel, Union  
Rio Grande shiner, Notropis jemezianus  
Chaves, De Baca, Eddy, Guadalupe  
White Sands pupfish, Cyprinodon tularosa  
Lincoln, Otero, Sierra

\* = introduced populations

## **Invertebrates - Arthropods**

### **SPECIES OF CONCERN**

- Albarufan dagger moth, Acronicta albarufa  
unknown
- Bonita diving beetle, Deronectes neomexicana  
Lincoln
- Desert viceroy butterfly, Limenitis archippus obsoleta  
Doña Ana, Grant, Lincoln, Sierra, Socorro
- Los Olmos tiger beetle, Cicindela nevadica olmosa  
unknown
- New Mexico silverspot butterfly, Speyeria nokomis nitocris  
Catron, Cibola, Grant, Los Alamos, McKinley, Mora, Rio Arriba, Sandoval,  
San Juan, San Miguel, Taos
- Noel's amphipod, Gammarus desperatus  
Chaves
- Sacramento Mountains blue butterfly, Icaricia icariodes new subspecies  
Lincoln, Otero
- Sacramento Mountains checkerspot butterfly, Euphydryas anicia cloudcrofti  
Lincoln, Otero
- Sacramento Mountains silverspot butterfly, Speyeria atlantis capitaneus  
Lincoln, Otero

## **Invertebrates - Molluscs**

### **CANDIDATE SPECIES**

- Koster's tryonia (springsnail), Tryonia kosteri  
Chaves
- Pecos assiminea snail, Assiminea pecos  
Chaves
- Roswell springsnail, Pyrgulopsis roswellensis  
Chaves

## **Plants**

### **ENDANGERED**

- Holy Ghost ipomopsis, Ipomopsis sancti-spiritus  
San Miguel
- Kuenzler hedgehog cactus, Echinocereus fendleri var. kuenzleri  
Chaves, Eddy, Lincoln, Otero

### **THREATENED**

- Pecos sunflower, Helianthus paradoxus  
Chaves, Cibola, Valencia, Guadalupe

SPECIES OF CONCERN

Chiricahua dock, Rumex orthoneurus  
 Catron, Mora, Otero, San Miguel, Santa Fe, Taos  
 Dwarf milkweed, Asclepias uncialis var. uncialis  
 Colfax, Grant, San Miguel, Union  
 Goodding's onion, Allium gooddingii  
 Catron, Lincoln, Otero, San Juan  
 Sandhill goosefoot, Chenopodium cycloides  
 Doña Ana, Roosevelt, Sierra, Socorro  
 Sierra Blanca cliffdaisy, Chaetopappa elegans  
 Lincoln, Otero  
 Wright's marsh thistle, Cirsium wrightii  
 Chaves, Guadalupe, Lincoln, Otero

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E	=	Endangered (in danger of extinction throughout all or a significant portion of its range).
PE	=	Proposed Endangered
PE w/CH	=	Proposed Endangered with critical habitat
T	=	Threatened (likely to become endangered within the foreseeable future throughout all or a significant portion of its range).
PT	=	Proposed Threatened
PT w/CH	=	Proposed Threatened with critical habitat
PCH	=	Proposed critical habitat
C	=	Candidate Species (taxa for which the Service has sufficient information to propose that they be added to list of endangered and threatened species, but the listing action has been precluded by other higher priority listing activities).
SC	=	Species of Concern (Taxa for which further biological research and field study are needed to resolve their conservation status <u>OR</u> are considered sensitive, rare, or declining on lists maintained by Natural Heritage Programs, State wildlife agencies, other Federal agencies, or professional/academic scientific societies). Species of Concern are included for planning purposes only.
S/A	=	Similarity of Appearance
*	=	Introduced population
†	=	May occur in this county from re-introductions in Colorado.
XN	=	Nonessential experimental
**	=	Survey should be conducted if project involves impacts to prairie dog towns or complexes of 200-acres or more for the Gunnison's prairie dog ( <u>Cynomys gunnisoni</u> ) and/or 80-acres or

more for any subspecies of Black-tailed prairie dog (Cynomys ludovicianus). A complex consists of two or more neighboring prairie dog towns within 4.3 miles (7 kilometers) of each other.

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Extirpated in this county