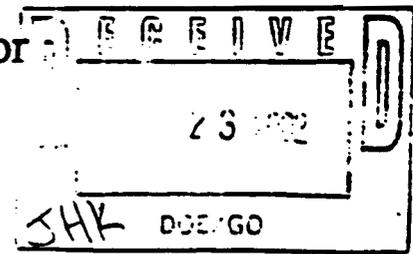




United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Ecological Services  
Colorado Field Office  
755 Parfet Street, Suite 361  
Lakewood, Colorado 80215



IN REPLY REFER TO:  
ES/CO: Species List  
Mail Stop 65412

APR 19 2002

John Kersten  
Department of Energy  
1617 Cole Boulevard  
Golden, Colorado 80401

RE: Proposed operation and improvements at the national renewable energy laboratory's south table mountain site near Golden, Colorado

Dear Mr. Kersten

The U.S. Fish and Wildlife Service (Service) received your letter dated April 10, 2002, regarding the proposed operation and improvements at the national renewable energy laboratory's south table mountain site near Golden, Colorado

For your convenience, we have enclosed a list of Colorado's threatened and endangered species, as well as the counties in which they are known to occur. We cannot provide site-specific details.

If questions regarding the presence of an endangered species, the extent of its habitat, or the effects of a particular action need to be resolved, the Service recommends that a knowledgeable consultant be contacted to conduct habitat assessments, trapping studies, or to provide recommendations regarding options under the Endangered Species Act. Due to staffing constraints, the Colorado Field Office cannot provide you with these services.

If you have any further questions, please call my office at (303) 275-2370.

: Sincerely,

LeRoy W. Carlson  
Colorado Field Supervisor

Enclosure: Species List

## COUNTIES→

**U. S. Fish and Wildlife Service  
Ecological Services  
Colorado Field Office**

(Effective August 21, 2001)

**FEDERALLY LISTED AND CANDIDATE SPECIES & THEIR STATUS IN COLORADO**

	A D A M S	A L A M O S A	A R A P A H O E	A R C H U L E T A	B A C A	B E N T	B O U L D E R	C H A F F E	C H E Y E N N E	C L E A R C R E E K	C O N E J O S	C O S T I L L A	C R O W L E Y	C U S T E R	D E L T A
Bald eagle, <i>Haliaeetus leucocephalus</i> , Listed Threatened	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Eskimo curlew, <i>Numenius borealis</i> , Listed Endangered	✓				✓		✓							✓	
Gunnison sage-grouse, <i>Centrocercus minimus</i> , Candidate for Listing		✓		✓				✓			✓	✓			✓
Least tern (interior population), <i>Sterna antillarum</i> , Listed Endangered					✓	✓									
Lesser prairie chicken, <i>Tympanuchus pallidicinctus</i> , Candidate for Listing					✓	✓			✓				✓		
Mexican spotted owl, <i>Strix occidentalis lucida</i> , Listed Threatened	✓	✓	✓	✓			✓	✓		✓	✓	✓		✓	
Mountain plover, <i>Charadrius montanus</i> , Proposed Threatened	✓	✓	✓		✓	✓	✓		✓				✓		
Piping plover, <i>Charadrius melodus</i> , Listed Threatened					✓	✓									
Southwestern willow flycatcher, <i>Empidonax trailli extimus</i> , Listed Endangered		✓		✓							✓	✓			✓
Whooping crane, <i>Grus americana</i> , Listed Endangered	✓	✓		✓	✓		✓							✓	
Yellow-billed cuckoo, <i>Coccyzus americanus</i> , Candidate for Listing		✓		✓							✓	✓			✓
Black-footed ferret, <i>Mustela nigripes</i> , Listed Endangered	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓
Black-tailed prairie dog, <i>Cynomys ludovicianus</i> , Candidate for Listing	✓		✓		✓	✓	✓		✓				✓		
Canada lynx, <i>Lynx canadensis</i> , Listed Threatened		✓		✓			✓	✓		✓	✓	✓		✓	✓
Preble's meadow jumping mouse, <i>Zapus hudsonius preblei</i> , Listed Threatened	✓		✓				✓								
Boreal toad, <i>Bufo boreas boreas</i> , Candidate for Listing				✓			✓	✓		✓	✓				✓



## COUNTIES →

**U. S. Fish and Wildlife Service  
Ecological Services  
Colorado Field Office**

(Effective August 21, 2001)

FEDERALLY LISTED AND CANDIDATE SPECIES & THEIR STATUS IN COLORADO

	D O L O R E S	D O U G L A S	E A G L E	E L B E R T	E L P A S O	F R E M O N T	G A R F I E L D	G I L P I N	G R A N D	G U N N I S O N	H I N S D A L E	H U E R F A N O	J A C K S O N	J E F F E R S O N	K I O W A	K I T C A R S O N
Bald eagle, <i>Haliaeetus leucocephalus</i> , Listed Threatened	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Eskimo curlew, <i>Numenius borealis</i> , Listed Endangered				✓			✓							✓	✓	✓
Gunnison sage-grouse, <i>Centrocercus minimus</i> , Candidate for Listing	✓		✓				✓			✓						
Least tern (interior population), <i>Sterna antillarum</i> , Listed Endangered																✓
Lesser prairie chicken, <i>Tympanuchus pallidicinctus</i> , Candidate for List																✓
Mexican spotted owl, <i>Strix occidentalis lucida</i> , Listed Threatened	✓	✓			✓	✓	✓	✓				✓		✓		
Mountain plover, <i>Charadrius montanus</i> , Proposed Threatened		✓		✓	✓							✓	✓		✓	✓
Piping plover, <i>Charadrius melodus</i> , Listed Threatened															✓	✓
Southwestern willow flycatcher, <i>Empidonax trailli extimus</i> , Listed Endangered	✓						✓			✓						
Whooping crane, <i>Grus americana</i> , Listed Endangered				✓								✓				
Yellow-billed cuckoo, <i>Coccyzus americanus</i> , Candidate for Listing	✓		✓				✓		✓	✓	✓					
Black-footed ferret, <i>Mustela nigripes</i> , Listed Endangered	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓
Black-tailed prairie dog, <i>Cynomys ludovicianus</i> , Candidate for Listing		✓		✓	✓	✓						✓		✓	✓	✓
Canada lynx, <i>Lynx canadensis</i> , Threatened	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Preble's meadow jumping mouse, <i>Zapus hudsonius preblei</i> , Listed Threatened		✓		✓	✓									✓		
Arkansas darter, <i>Etheostoma cragini</i> , Candidate for Listing				✓	✓	✓						✓				✓
Bonytail, <i>Gila elegans</i> , (presumed-historical) Listed Endangered	*		*				✓		*	*	*					
Colorado pikeminnow, <i>Ptychocheilus lucius</i> , Listed Endangered	*		*				o		*	*	*					
Greenback cutthroat trout, <i>Oncorhynchus clarki stomias</i> , Listed Threatened		✓			✓							✓				

Page 4/8  U. S. Fish and Wildlife Service Ecological Services Colorado Field Office  (Effective August 21, 2001)  <u>FEDERALLY LISTED AND CANDIDATE SPECIES &amp; THEIR STATUS IN COLORADO</u>	<u>COUNTIES</u>																
	D O L O R E S	D O U G L A S	E A G L E	E L B E R T	E L P A S O	F R E M O N T	G A R F I E L D	G I L P I N	G R A N D	G U N N I S O N	H I N S D A L E	H U E R F A N O	J A C K S O N	J E F F E R S O N	K I O W A	C O L O R A D O	
Pallid sturgeon, <i>Scaphirhynchus albus</i> , Listed Threatened		*											*	*			
Razorback sucker, <i>Xyrauchen texanus</i> , Listed Endangered	*		*				o		*	*	*						
Pawnee montane skipper, <i>Hesperia leonardus montana</i> , Listed Threatened		✓												✓			
Uncompahgre fritillary butterfly, <i>Boloria acrocnema</i> , Listed Endangered	✓		✓							✓	✓						
Boreal toad, <i>Bufo boreas boreas</i> , Candidate for Listing	✓		✓				✓	✓	✓	✓	✓		✓				
Colorado butterfly plant, <i>Gaura neomexicana</i> ssp. <i>coloradensis</i> , Listed Threatened		✓			✓									✓			
De Beque phacelia, <i>Phacelia submutica</i> , Candidate for Listing							✓										
North Park phacelia, <i>Phacelia formosula</i> , Listed Endangered													✓				
Osterhout milkvetch, <i>Astragalus osterhoutii</i> , Listed Endangered									✓								
Parachute beardtongue, <i>Penstemon debilis</i> , Candidate for Listing							✓										
Penland beardtongue, <i>Penstemon penlandii</i> , Listed Endangered									✓								
Slender moonwort, <i>Botrychium lineare</i> , Candidate for Listing					✓												
Uinta Basin hookless cactus, <i>Sclerocactus glaucus</i> , Listed Threatened							✓										
Ute ladies'-tresses, <i>Spiranthes diluvialis</i> , Listed Threatened		✓			✓									✓			



COUNTIES -

U. S. Fish and Wildlife Service  
Ecological Services  
Colorado Field Office

(Effective August 21, 2001)

FEDERALLY LISTED AND CANDIDATE SPECIES & THEIR STATUS IN COLORADO

	L A K E	L A P L A T A	L A R I M E R	L A S A N I M A S	L I N C O L N	L O G A N	M E S A	M I N E R A L	M O F F A T	M O N T E Z U M A	M O N T R O S E	M O R G A N	O T E R O	O U R A Y	P A R K
Pallid sturgeon, <i>Scaphirhynchus albus</i> , Listed Threatened			*			*						*			*
Razorback sucker, <i>Xyrauchen texanus</i> , Listed Endangered		*					o	*	o	*	*			*	
Boreal toad, <i>Bufo boreas boreas</i> , Candidate for Listing	✓	✓	✓				✓	✓	✓	✓				✓	✓
Pawnee montane skipper, <i>Hesperia leonardus montana</i> , Listed Threatened								✓							✓
Uncompahgre fritillary butterfly, <i>Boloria acrocneuma</i> , Listed Endangered	✓	✓						✓						✓	✓
Clay-loving wild buckwheat, <i>Eriogonum pelinophilum</i> , Listed Endangered											✓			!	
Colorado butterfly plant, <i>Gaura neomexicana</i> ssp. <i>coloradensis</i> , Listed Threatened			✓												
De Beque phacelia, <i>Phacelia submutica</i> , Candidate for Listing							✓								
Knowlton's cactus, <i>Pediocactus knowltonii</i> , Listed Endangered		✓													
Mancos milkvetch, <i>Astragalus humillimus</i> , Listed Endangered										✓					
Mesa Verde cactus, <i>Sclerocactus mesae-verdae</i> , Listed Threatened										✓					
Penland alpine fen mustard, <i>Eutrema penlandii</i> , Listed Threatened	✓														✓
Sleeping Ute milk-vetch, <i>Astragalus tortipes</i> , Candidate for Listing										✓					
Slender moonwort, <i>Botrychium lineare</i> , Candidate for Listing	✓														
Uinta Basin hookless cactus, <i>Sclerocactus glaucus</i> , Listed Threatened							✓				✓				
Ute ladies'-tresses, <i>Spiranthes diluvialis</i> , Listed Threatened			✓									✓			

U. S. Fish and Wildlife Service  
Ecological Services  
Colorado Field Office

COUNTIES →

FEDERALLY LISTED AND CANDIDATE SPECIES & THEIR STATUS IN COLORADO

	P I T K I N	P R O W E R S	P U E B L O	R I O B L A N C O	R I O G R A N D E	R O U T T	S A G U A C H E	S A N J U A N	S A N M I G U E L	S E D G W I C K	S U M M I T	T E L L E R	W A S H I N G T O N	W E L D
Bald eagle, <i>Haliaeetus leucocephalus</i> , Listed Threatened	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Eskimo curlew, <i>Numenius borealis</i> , Listed Endangered		✓			✓					✓			✓	✓
Gunnison sage-grouse, <i>Centrocercus minimus</i> , Candidate for Listing	✓				✓		✓		✓					
Least tern (interior population), <i>Sterna antillarum</i> , Listed Endangered		✓								✓			✓	✓
Lesser prairie chicken, <i>Tympanuchus pallidicinctus</i> , Candidate for Listing		✓												
Mexican spotted owl, <i>Strix occidentalis lucida</i> , Listed Threatened	✓		✓		✓		✓		✓		✓	✓		✓
Mountain plover, <i>Charadrius montanus</i> , Proposed Threatened		✓	✓	✓	✓		✓						✓	✓
Piping plover, <i>Charadrius melodus</i> , Listed Threatened		✓								✓			✓	✓
Southwestern willow flycatcher, <i>Empidonax traillii extimus</i> , Listed Endangered					✓		✓		✓					
Whooping crane, <i>Grus americana</i> , Listed Endangered		✓	✓				✓			✓			✓	✓
Yellow-billed cuckoo, <i>Coccyzus americanus</i> , Candidate for Listing	✓			✓	✓	✓	✓	✓	✓		✓			
Black-footed ferret, <i>Mustela nigripes</i> , Listed Endangered		✓	✓	✓	✓	✓	✓		✓				✓	✓
Black-tailed prairie dog, <i>Cynomys ludovicianus</i> , Candidate for Listing		✓	✓							✓		✓	✓	✓
Canada lynx, <i>Lynx canadensis</i> , Listed Threatened	✓		✓	✓	✓	✓	✓	✓	✓		✓			
Preble's meadow jumping mouse, <i>Zapus hudsonius preblei</i> , Listed Threatened			✓											✓
Pawnee montane skipper, <i>Hesperia leonardus montana</i> , Listed Threatened												✓		
Uncompahgre fritillary butterfly, <i>Boloria acrocnema</i> , Listed Endangered	✓				✓		✓	✓	✓		✓			
Arkansas darter, <i>Etheostoma cragini</i> , Candidate for Listing		✓	✓											
Bonytail, <i>Gila elegans</i> , (presumed-historical) Listed Endangered	*			*		*	*		*		*			

Colorado pikeminnow, <i>Ptychocheilus lucius</i> , Listed Endangered	*			C	*	*	*	*	*		*				
Page 8/8 U. S. Fish and Wildlife Service Ecological Services Colorado Field Office (Effective August 21, 2001) <u>FEDERALLY LISTED AND CANDIDATE SPECIES &amp; THEIR STATUS IN COLORADO</u> 	P I T K I N	P R O W E R S	P U E B L O	R I O B L A N C O	R I O G R A N D E	R O U T T	S A G U A C H E	S A N J U A N	S A N M I G U E L	S E D G W I C K	S U M M I T	T E L L E R	W A S H I N G T O N	W E L D	Y U M A
Greenback cutthroat trout, <i>Oncorhynchus clarki stomias</i> , Listed Threatened			✓												
Humpback Chub, <i>Gila cypha</i> , Listed Endangered	*			*		*	*		*		*				
Pallid sturgeon, <i>Scaphirhynchus albus</i> , Listed Threatened										*				*	
Razorback sucker, <i>Xyrauchen texanus</i> , Listed Endangered	*			*	*	*	*	*	*		*				
Boreal toad, <i>Bufo boreas boreas</i> , Candidate for Listing	✓			✓	✓	✓	✓	✓	✓		✓				
Colorado butterfly plant, <i>Gaura neomexicana</i> spp. <i>coloradensis</i> , Listed Threatened			✓											✓	
Dudley Bluffs (Piceance) twinpod, <i>Physaria obcordata</i> , Listed Threatened				✓											
Dudley Bluffs bladderpod, <i>Lesquerella congesta</i> , Listed Threatened				✓											
Graham beardtongue, <i>Penstemon grahamii</i> , Candidate for Listing				✓											
Penland alpine fen mustard, <i>Eutrema penlandii</i> , Listed Threatened											✓				
Ute ladies'-tresses, <i>Spiranthes diluvialis</i> , Listed Threatened														✓	
White River beardtongue (penstemon), <i>Penstemon scariosus</i> var. <i>albifluvis</i> , Candidate for Listing				✓											

## TABLE TERMINOLOGY

✓ The check mark indicates that the species is present in that county or that the county is within the historical range of the species

Water depletions in these counties may affect these species

Ⓢ This sign means that the species is present in the county and there is designated critical habitat for the species within the county

**Candidate** Means there is sufficient information indicating that formal listing under the ESA may be appropriate

**Proposed** Means the species is proposed for possible addition to the Lists of Endangered and Threatened Wildlife and Plants under the ESA

**Endangered** Means the species could become extinct

**Threatened** Means the species could become endangered