

Arkansas Basin

Threatened and Endangered Fish Species in the Arkansas Basin

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<i>Federal</i>	<i>State</i>
Greenback Cutthroat Trout (<i>Oncorhynchus clarkii stomias</i>)	T	T
Southern Redbelly Dace (<i>Phoxinus erythrogaster</i>)		E
Plains Minnow (<i>Hybognathus placitus</i>)		E
Suckermouth Minnow (<i>Phenacobius mirabilis</i>)		E
Brassy Minnow (<i>Hybognathus hankinsoni</i>)		T
Arkansas Darter (<i>Etheostoma cragini</i>)		T
Plains Orangethroat Darter (<i>Etheostoma spectabile</i>)		SC
Stonecat (<i>Noturus flavus</i>)		SC
Flathead Chub (<i>Platygobio gracilis</i>)		SC

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp> and http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

Threatened and Endangered Species in the Arkansas Basin

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<i>Federal</i>	<i>State</i>
Great Plains Narrowmouth Toad (<i>Gastrophryne olivacea</i>)		SC
Northern Leopard Frog (<i>Rana pipiens</i>)		SC
Plains Leopard Frog (<i>Rana blairi</i>)		SC
Couch's Spadefoot (<i>Scaphiopus couchii</i>)		SC
Triploid Checkered Whiptail (<i>Cnemidophorus neotesselatus</i>)		SC
Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>)		SC
Yellow Mud Turtle (<i>Kinosternon flavescens</i>)		SC
Common King Snake (<i>Lampropeltis getula</i>)		SC
Texas Blind Snake (<i>Leptotyphlops dulcis</i>)		SC
Texas Horned Lizard (<i>Phrynosoma cornutum</i>)		SC
Roundtail Horned Lizard (<i>Phrynosoma modestum</i>)		SC
Massasauga (<i>Sistrurus</i>)		SC
Whooping Crane (<i>Grus americana</i>)	E	E
Least Tern (<i>Sterna antillarum</i>)	E	E
Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>)	E	E

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
Piping Plover (<i>Charadrius melodus circumcinctus</i>)	T	T
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	T	T
Mexican Spotted Owl (<i>Strix occidentalis lucida</i>)	T	T
Burrowing Owl (<i>Athene cunicularia</i>)		T
Lesser Prairie-chicken (<i>Tympanuchus pallidicinctus</i>)		T
Greater Sandhill Crane (<i>Crus Canadensis tabida</i>)		SC
American Peregrine Falcon (<i>Falco peregrinus anatum</i>)		SC
Mountain Plover (<i>Charadrius montanus</i>)		SC
Western Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)		SC
Ferruginous Hawk (<i>Buteo regalis</i>)		SC
Western Snowy Plover (<i>Charadrius alexandrinus</i>)		SC
Long-billed Curlew (<i>Numenius americanus</i>)		SC
Black-footed Ferret (<i>Mustela nigripes</i>)	E	E
Preble's Meadow Jumping Mouse (<i>Zapus hudsonius preblei</i>)	T	T
Lynx (<i>Lynx Canadensis</i>)	T	E
Wolverine (<i>Gulo gulo</i>)		E
River Otter (<i>Lontra canadensis</i>)		T
Black-tailed Prairie Dog (<i>Cynomys ludovicianus</i>)		SC
Townsend's Big-eared Bat (pale ssp) (<i>Corynorhinus townsendii pallescens</i>)		SC
Botta's Pocket Gopher (rubidus ssp) (<i>Thomomy bottae rubidus</i>)		SC
Northern Pocket gopher (macrotis ssp) (<i>Thomomys talpoides macrotis</i>)		SC
Swift Fox (<i>Vulpes velox</i>)		SC
Penland Alpine Fen Mustard (<i>Eutrema penlandii</i>)	T	
Slender Moonwort (<i>Botrychium lineare</i>)	FC	

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

FC - Federal Candidate Species

(References: http://wildlife.state.co.us/species_cons/list.asp and

<http://ndis.nrel.colostate.edu/wildlife.asp> and

http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

Colorado Basin

The following federal and/or state listed fish species are found in the Colorado Basin:

- Colorado Pikeminnow (*ptychocheilus lucius*): Federal Endangered, State Threatened. Critical Habitat has been designated in Mesa and Garfield Counties, in the Colorado River and its 100-year flood plain, from the Colorado River Bridge at exit 90 north off Interstate 70 to North Wash including the Dirty Devil arm of Lake Powell up to the full pool.
- Razorback Sucker (*Xyrauchen texanus*): Federal Endangered, State Endangered. Critical Habitat has been designated in Mesa and Garfield Counties, in the Colorado River and its 100-year flood plain, from Colorado River Bridge at exit 90 north off Interstate 70 to Westwater Canyon including the Gunnison River and its 100-year flood plain from the Redlands Diversion Dam to the confluence with the Colorado River.
- Bonytail Chub (*Gila elegans*): Federal Endangered, State Endangered. Critical Habitat has been designated in Mesa County, in the Colorado River from Black Rocks to Fish Ford.
- Humpback Chub (*Gila cypha*): Federal Endangered, State Threatened. Critical Habitat has been designated in Mesa County, in the Colorado River from Black Rocks to Fish Ford River.

(Reference: 50 CFR 17, Federal Register, Vol 59, No. 54, Monday, March 21, 1994, pp 13397-13399)

- Colorado River Cutthroat Trout (*Oncorhynchus clarki pleuriticus*), SC
- Mountain Sucker (*Catostomus playtrhynchus*), SC
- Iowa Darter (*Etheostoma exile*), SC
- Rio Grande Chub (*Gila pandora*), SC
- Colorado Roundtail Chub (*Gila pandora*), SC

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp>)

The following federal and/or state listed species may be found in the Colorado Basin:

<i>SPECIES</i>	<i>STATUS</i>	
	<i>Federal</i>	<i>State</i>
• Wood Frog (<i>Rana sylvatica</i>)		SC
• Northern Leopard Frog (<i>Rana pipiens</i>)		SC
• Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>)		SC

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
• Longnose Leopard Lizard (<i>Gambelia wislizenii</i>)		SC
• Whooping Crane (<i>Grus americana</i>)	E	E
• Least Tern (<i>Sterna antillarum</i>)	E	E
• Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>)	E	E
• Bald Eagle (<i>Haliaeetus leucocephalus</i>)	T	T
• Mexican Spotted Owl (<i>Strix occidentalis lucida</i>)	T	T
• Burrowing Owl (<i>Athene cunicularia</i>)		T
• Greater Sandhill Crane (<i>Crus Canadensis tabida</i>)		SC
• Gunnison Sage-grouse (<i>Centrocercus minimus</i>)		SC
• American Peregrine Falcon (<i>Falco peregrinus anatum</i>)		SC
• Mountain Plover (<i>Charadrius montanus</i>)		SC
• Western Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)		SC
• Ferruginous Hawk (<i>Buteo regalis</i>)		SC
• Greater Sage Grouse (<i>Centrocercus urophasianus</i>)		SC
• Western Snowy Plover (<i>Charadrius alexandrinus</i>)		SC
• Long-billed Curlew (<i>Numenius americanus</i>)		SC
• Lynx (<i>Lynx Canadensis</i>)	T	E
• Wolverine (<i>Gulo gulo</i>)		E
• River Otter (<i>Lontra canadensis</i>)		T
• Kit Fox (<i>Vulpes macrotis</i>)		E
• Townsend's Big-eared Bat (pale ssp) (<i>Corynorhinus townsendii pallescens</i>)		SC
• Botta's Pocket Gopher (rubidus ssp) (<i>Thomomy bottae rubidus</i>)		SC
• Northern Pocket gopher (macrotis ssp) (<i>Thomomys talpoides macrotis</i>)		SC
• Milk-vetch	E	
• Penland Alpine Fen Mustard (<i>Eutrema penlandii</i>)	T	
• Penland Beardtongue (<i>Penstemon penlandii</i>)	E	
• Uinta Basin Hookless Cactus (<i>Sclerocactus glaucus</i>)	T	
• DeBeque Phacelia (<i>Phacelia submutica</i>)	FC	

FC = Federal Candidate Species
E = Endangered Species
T = Threatened Species
SC = State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp> and http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

Gunnison Basin

Threatened and Endangered Fish Species in the Gunnison Basin

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
Colorado Roundtail Chub (<i>Gila pandora</i>)		SC
Colorado Pikeminnow (<i>Ptychocheilus lucius</i>)	E	T
Razorback sucker (<i>Xyrauchen texanus</i>)	E	E
Razorback sucker (<i>Xyrauchen texanus</i>)	E	E

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp>)

Threatened and Endangered Species in the Gunnison Basin

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
Northern Leopard Frog (<i>Rana pipiens</i>)		SC
Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>)		SC
Lingnose Leopard Lizard (<i>Gambelia wislizenii</i>)		SC
Whooping Crane (<i>Grus Americana</i>)	E	E
Least Tern (<i>Sterna antillarum</i>)	E	E
Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>)	E	E
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	T	T
Mexican Spotted Owl (<i>Athene cunicularia</i>)	T	T
Burrowing Owl (<i>Athene cunicularia</i>)		T
Greater Sandhill Crane (<i>Crus Canadensis tabida</i>)		SC
Gunnison Sage-grouse (<i>Centrocercus minimus</i>)		SC
American Peregrine Falcon (<i>Falco peregrinus anatum</i>)		SC
Mountain Plover (<i>Charadrius montanus</i>)		SC
Western Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)		SC
Ferruginous Hawk (<i>Buteo regalis</i>)		SC
Greater Sage Grouse (<i>Centrocercus urophasianus</i>)		SC
Western Snowy Plover (<i>Charadrius alexandrinus</i>)		SC
Long-billed Curlew (<i>Numenius americanus</i>)		SC
Black-footed Ferret (<i>Mustela nigripes</i>)	E	E
Lynx (<i>Lynx Canadensis</i>)	T	E
Wolverine (<i>Gulo gulo</i>)		E
River Otter (<i>Lontra canadensis</i>)		T

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
Kit Fox (<i>Vulpes macrotis</i>)		E
Townsend's Big-eared Bat (pale ssp) (<i>Corynorhinus townsendii pallescens</i>)		SC
Botta's Pocket Gopher (rubidus ssp) (<i>Thomomy bottae rubidus</i>)		SC
Northern Pocket gopher (macrotis ssp)(<i>Thomomys talpoides macrotis</i>)		SC
Clay-loving Wild-buckwheat (<i>Eriogonum pelinophilum</i>)	E	
Uinta Basin Hookless Cactus (<i>Sclerocactus glaucus</i>)	T	

FC = Federal Candidate Species

E = Endangered Species

T = Threatened Species

SC = State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp> and http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset and Personal communication, Steve McCall, USBR, Grand Junction, March 30, 2004)

Black Canyon of the Gunnison National Park Federal Reserve Water Right and Colorado Water Conservation Board Instream Flow

The Department of the Interior and Colorado Water Conservation Board (CWCB) entered into an agreement regarding federal reserve water rights and a Colorado Water Conservation Board instream flow right for the Black Canyon of the Gunnison National Park between the Gunnison Diversion Dam through the Black Canyon to the confluence with the north fork of the Gunnison River. (Agreement, Black Canyon National Park of the Gunnison National Park, Department of the Interior, April, 2003)

The flow right was divided into two parts:

1. A Federal Reserve right of 300 cfs, or natural flow, whichever is less with a 1933 priority date. The federal water right satisfied the CWCB's existing instream flow decree
2. An instream flow water right under Colorado law with a 2003 priority date.

For the 2003 instream flow right, if Blue Mesa Reservoir fills and spills by July 31 in any year, water beyond that which satisfies present and future obligations of the authorized purposes of the Aspinall Unit shall be held by the CWCB for decreed instream flow purposes with a 2003 priority date.

Based on historical hydrology, projections were made of the frequency at which flows in excess of 300 cfs would occur as a result of those spilled, and subject to protection under Colorado instream flow law. The table below shows the historical frequency of base flows and spills that would be protected.

Instream Flow Rights – Black Canyon National Park and Colorado Water Conservation Board

Base Flow ⁽¹⁾	300 cfs	26 out of 26 years
Shoulder Flow ⁽²⁾	300 – 1,000 cfs	22 out of 26 years
Low Peak Flow ⁽²⁾	2000 – 5,000 cfs	8 out of 26 years
Medium Peak Flow ⁽²⁾	5000 – 10,000 cfs	6 out of 26 years
High Peak Flow ⁽²⁾	10,000 + cfs	3 out of 26 years

⁽¹⁾ Black Canyon federal reserve right

⁽²⁾ Colorado Water Conservation Board instream flow right

Pursuant to the agreement, the Colorado Water Conservation Board filed an application for an instream flow right in December, 2003. Several statements of opposition were filed. The Colorado Water Conservation Board is working to resolve issues associated with the statements of opposition. It is very likely that a final decree will be issued in 2004 or 2005. (Reference: Ted Kowalski, personal communication, April 6, 2003)

Recreational In-channel Diversion Application for the Gunnison Basin

On March 29, 2002, the Upper Gunnison Water Conservancy District filed for a recreational in-channel diversion (RICD) in District Court Water Division No. 4 (Case No. 02-CW38) for a Gunnison River white water course in the Gunnison White Water Park near the City of Gunnison, which is one-quarter mile in length. The application is for water rights for specified semi-monthly time periods as provided in the table below.

Water Rights Application for Gunnison White Water Park

<u>Time Period</u>	<u>Water Right (cfs)</u>
May 2-15	570
May 16-31	1,190
June 1-15	1,460
June 16-30	1,500
July 1-15	1,100

July 16-31	530
August 1-15	460
August 16-31	390
September 1-15	300
September 16-30	270

The recommendations of the Colorado Water Conservation Board submitted to the court find that the reasonable recreation experience in and on the water could be attained if the streamflow amounts were 250 cfs during May through September. The Board further recommended that RICD not be in effect or exercised during the time when the hydrograph would permit the Redlands Power canal water rights or the Gunnison Tunnel water rights to call for their senior water rights.

The water court issued a decree for the instream flow right in December, 2003. The decree was generally consistent with the request for flows by the Upper Gunnison Water Conservancy District. The Colorado Water Conservation Board filed a notice of appeal to the Colorado Supreme Court in February, 2004. Arguments are expected to take place before the Supreme Court in the fall 2004, with a ruling by the court sometime thereafter. (Reference: Ted Kowalski, personal communication, April 6, 2003)

Dolores/San Juan/San Miguel Basin

Threatened and Endangered Fish Species in the Dolores/San Juan/San Miguel Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Colorado Roundtail Chub (Gila Pandora)		SC
Colorado Pikeminnow (Ptychocheilus lucius)	E	T

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp>)

Threatened and Endangered Species in the Dolores/San Juan/San Miguel Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Northern Leopard Frog (Rana pipiens)		SC
Midget Faded Rattlesnake (Crotalus viridis concolor)		SC
Longnose Leopard Lizard (Gambelia wislizenii)		SC
Common King Snake (Lampropeltis getula)		SC
Whooping Crane (Grus Americana)	E	E
Least Tern (Sterna antillarum)	E	E
Southwestern Willow Flycatcher (empidonax traillii extimus)	E	E
Bald Eagle (Haliaeetus leucocephalus)	T	T
Mexican Spotted Owl (Athene cunicularia)	T	T
Burrowing Owl (Athene cunicularia)		T
Greater Sandhill Crane (Crus Canadensis tabida)		SC
Gunnison Sage-grouse (Centrocercus minimus)		SC
American Peregrine Falcon (Falco peregrinus anatum)		SC
Western Yello-billed Cuckoo (Coccyzus americanus)		SC
Ferruginous Hawk (Buteo regalis)		SC
Greater Sage Grouse (Centrocercus urophasianus)		SC
Western Snowy Plover (Charadrius alexandrinus)		SC
Long-billed Curlew (Numenius americanus)		SC
Black-footed Ferret (Mustela nigripes)	E	E
Lynx (Lynx Canadensis)	T	E
Wolverine (Gulo gulo)		E
River Otter (Lontra Canadensis)		T
Kit Fox (Vulpes macrotis)		E

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
Townsend's Big-eared Bat (pale ssp)(Corynorhinus townsendii pallescens)		SC
Botta's Pocket Gopher (rubidus ssp)(Thomomy bottae rubidus)		SC
Northern Pocket gopher (macrotis ssp)(Thomomys talpoides macrotis)		SC
Milk-vetch, Mancos (Astragalus humillimus)	E	
Knowlton Cactus (pediocactus knowltonii)	E	
Mesa Verde Cactus (Sclerocactus mesae-verdae)	T	
Sleeping Ute Mild-vetch (Astragalus tortipes)	FC	

FC - Federal Candidate Species

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and

<http://ndis.nrel.colostate.edu/wildlife.asp> and

http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

North Platte Basin

Threatened and Endangered Species in the North Platte Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Wood Frog (<i>Rana sylvatica</i>)		SC
Northern Leopard Frog (<i>Rana pipiens</i>)		SC
Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>)		SC
Whooping Crane (<i>Grus Americana</i>)	E	E
Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>)	E	E
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	T	T
Burrowing Owl (<i>Athene cunicularia</i>)		T
Greater Sandhill Crane (<i>Crus Canadensis tabida</i>)		SC
American Peregrine Falcon (<i>Falco peregrinus anatum</i>)		SC
Mountain Plover (<i>Charadrius montanus</i>)		SC
Western Yello-billed Cuckoo (<i>Coccyzus americanus</i>)		SC
Ferruginous Hawk (<i>Buteo regalis</i>)		SC
Greater Sage Grouse (<i>Centrocercus urophasianus</i>)		SC
Long-billed Curlew (<i>Numenius americanus</i>)		SC
Lynx (<i>Lynx Canadensis</i>)	T	E
Wolverine (<i>Gulo gulo</i>)		E
River Otter (<i>Lontra canadensis</i>)		T
Northern Pocket gopher (<i>macrotis ssp</i>)(<i>Thomomys talpoides macrotis</i>)		SC
North Park Phacelia (<i>Phacelia formosula</i>)	E	

FC - Federal Candidate Species

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and

<http://ndis.nrel.colostate.edu/wildlife.asp> and

http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

Rio Grande Basin

Threatened and Endangered Fish Species in the Rio Grande Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Rio Grande Sucker (<i>Catostomus plebeius</i>)		E
Rio Grande Chub (<i>Gila Pandora</i>)		SC
Rio Grande Cutthroat Trout (<i>Oncorhynchus clarki virginalis</i>)		SC

E - Endangered Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp>)

Threatened and Endangered Species in the Rio Grande Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Northern Leopard Frog (<i>Rana pipiens</i>)		SC
Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>)		SC
Whooping Crane (<i>Grus Americana</i>)	E	E
Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>)	E	E
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	T	T
Mexican Spotted Owl (<i>Athene cunicularia</i>)	T	T
Burrowing Owl (<i>Athene cunicularia</i>)		T
Greater Sandhill Crane (<i>Crus Canadensis tabida</i>)		SC
Gunnison Sage-grouse (<i>Centrocercus minimus</i>)		SC
American Peregrine Falcon (<i>Falco peregrinus anatum</i>)		SC
Mountain Plover (<i>Charadrius montanus</i>)		SC
Ferruginous Hawk (<i>Buteo regalis</i>)		SC
Greater Sage Grouse (<i>Centrocercus urophasianus</i>)		SC
Long-billed Curlew (<i>Numenius americanus</i>)		SC
Black-footed Ferret (<i>Mustela nigripes</i>)	E	E
Lynx (<i>Lynx Canadensis</i>)	T	E
Wolverine (<i>Gulo gulo</i>)		E
Northern Pocket gopher (<i>macrotis ssp</i>)(<i>Thomomys talpoides macrotis</i>)		SC

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and
<http://ndis.nrel.colostate.edu/wildlife.asp> and
http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

South Platte Basin

Threatened and Endangered Fish Species in the South Platte Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Greenback Cutthroat Trout (<i>Oncorhynchus clarkia stomias</i>) (SP)	T	T
Lake Chub (<i>Couesius plumbeus</i>) (SP)		E
Northern Redbelly Dace (<i>Phoxinus eos</i>) (SP)		E
Common Shiner (<i>Luxilus cornutus</i>) (SP)		T
Plains Minnow (<i>Hybognathus placitus</i>) (SP & R)		E
Suckermouth Minnow (<i>Phenacobius mirabilis</i>) (SP & R)		E
Brassy Minnow (<i>Hybognathus hankinsoni</i>) (SP & R)		T
Iowa Darter (<i>Etheostoma exile</i>) (SP)		SC
Stonecat (<i>Norturus flavus</i>) (SP & R)		SC
Plains Orangethroat Darter (<i>Etheostoma spectabile</i>) (R)		SC

FC - Federal Candidate Species

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

SP - South Platte Basin

R - Republican Basin

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp>)

Threatened and Endangered Species in the South Platte Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<i>Federal</i>	<i>State</i>
Northern Cricket Frog (<i>Acris crepitans</i>) (SP & R)		SC
Northern Leopard Frog (<i>Rana pipiens</i>) (SP & R)		SC
Plains Leopard Frog (<i>Rana blairi</i>) (R)		SC
Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>) (SP & R)		SC
Yellow Mud Turtle (<i>Kinosternon flavescens</i>) (R)		SC
Massasauga (<i>Sistrurus</i>) (R)		SC
Common Garter Snake (<i>Thamnophis sirtalis</i>) (SP & R)		SC
Rocky Mountain Capshell (<i>Acroloxus coloradensis</i>) (SP)		SC
Cylindrical Papershell (<i>Anodontoides ferussacianus</i>) (SP)		SC
Whooping Crane (<i>Grus Americana</i>) (SP & R)	E	E
Least Tern (<i>Sterna antillarum</i>) (SP & R)	E	E
Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>) (SP)	E	E

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
Plains Sharp-tailed Grouse (<i>Tympanuchus phasianellus jamesii</i>) (SP)		E
Piping Plover (<i>Charadrius melodus circumcinctus</i>) (SP & R)	T	T
Bald Eagle (<i>Haliaeetus leucocephalus</i>) (SP & R)	T	T
Mexican Spotted Owl (<i>Strix occidentalis lucida</i>) (SP)	T	T
Burrowing Owl (<i>Athene cunicularia</i>) (SP & R)		T
Lesser Prairie-chicken (<i>Tympanuchus pallidicinctus</i>) (SP)		T
Greater Sandhill Crane (<i>Crus Canadensis tabida</i>) (SP & R)		SC
American Peregrine Falcon (<i>Falco peregrinus anatum</i>) (SP & R)		SC
Mountain Plover (<i>Charadrius montanus</i>) (SP & R)		SC
Western Yellow-billed Cuckoo (<i>Coccyzus americanus</i>) (SP & R)		SC
Ferruginous Hawk (<i>Buteo regalis</i>) (SP & R)		SC
Greater Sage Grouse (<i>Centrocercus urophasianus</i>) (SP)		SC
Western Snowy Plover (<i>Charadrius alexandrinus</i>) (SP & R)		SC
Long-billed Curlew (<i>Numenius americanus</i>) (SP & R)		SC
Black-footed Ferret (<i>Mustela nigripes</i>) (SP)	E	E
Preble's Meadow Jumping Mouse (<i>Zapus hudsonius preblei</i>) (SP)	T	T
Lynx (<i>Lynx Canadensis</i>) (SP)	T	E
Wolverine (<i>Gulo gulo</i>) (SP)		E
River Otter (<i>Lontra canadensis</i>) (SP)		T
Black-tailed Prairie Dog (<i>Cynomys hludovicianus</i>) (SP & R)		SC
Townsend's Big-eared Bat (pale ssp)(<i>Corynorhinus townsendii palescens</i>) (SP)		SC
Northern Pocket gopher (macrodis ssp)(<i>Thomomys talpoides macrodis</i>) (SP & R)		SC
Swift Fox (<i>Vulpes velox</i>) (SP & R)		SC
Penland Alpine Fen Mustard (<i>Eutrema penlandii</i>) (SP)	T	
Colorado Butterfly Plant (<i>Gaura neomexicana</i> var. <i>coloradensis</i>) (SP)	T	
Ute Landies'-tresses (<i>spiranthesis diluvialis</i>) (SP)	T	

FC - Federal Candidate Species

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

SP - South Platte Basin

R - Republican Basin

(References: http://wildlife.state.co.us/species_cons/list.asp and

<http://ndis.nrel.colostate.edu/wildlife.asp> and

http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

Recreational In-channel Diversion Applications in the South Platte Basin

The City of Fort Collins filed for a RICD right in 1986 for flows of 55 cfs. This flow was to be used for recreational, piscatorial and wildlife, in conjunction with two diversion dams constructed in the channel of the Cache La Poudre River. One of the dams was to return the Poudre River's course back to its historic channel near a proposed nature center development. The other dam included a boat chute for recreational use and a fish ladder for piscatorial preservation. Opposition for this RICD application in Fort Collins was received from the CWCB, the Colorado State Engineer, and other parties mainly due in part that the city was possibly applying for minimum stream flow rights contrary to law. The Colorado Supreme Court ruled in favor of Fort Collins because the two dams either remove water from its natural path or location, or control water within its natural course or location. Therefore, a diversion of water had taken place that was sufficient to support Fort Collin's claim to a valid appropriation.

Littleton, Golden, Breckenridge and Aspen also requested water rights after the Fort Collins application. In addition, one set of private individuals also requested rights for a kayak and boating course. The City of Golden filed for the most publicized of these RICDs in late 1998 to claim flows of up to 1,000 cfs in some months for its whitewater kayak course in Clear Creek. The application was initially opposed by various parties including upstream water users, the CWCB, and the Colorado State Engineer due to the characterization that it claimed all of the available flow in Clear Creek at certain times.

After a trial, the Water Court issued a decree giving absolute or conditional water rights in the amount requested to the City of Golden for the kayak course. The Court ruled that (1) the "dam structures and flow deflector control devices" which comprise the course operated to "divert" water under Fort Collins; and (2) that "Golden's constitutional right to appropriate a new water right . . . may not be denied or limited based upon the public trust doctrine, or similar policy restraints purportedly rooted in concern for the quantities that should be left for future water users."

An appeal to the decree granted by the Water Court was given to the Colorado Supreme Court by the Colorado State Engineer and the CWCB. The appeal remains pending in Case No. 01SA252, with the appellants' opening brief due by February 7, 2002. (<http://www.westernwaterlaw.com/ABAarticle.htm>)

Additionally, in December 2001, the City of Longmont filed for a RICD water right on the St. Vrain River. The applicants proposed decree seeks 350 cfs as a maximum flow rate for this RICD water right. Currently, this application is still pending (http://cwcb.state.co.us/agendas/May_04/17.pdf).

Yampa/White/Green Basin

Threatened and Endangered Fish Species in the Yampa/White/Green Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<u>Federal</u>	<u>State</u>
Colorado Pikeminnow (<i>ptychocheilus lucius</i>)	E	T
Razorback Sucker (<i>Xyrauchen texanus</i>)	E	E
Bonytail Chub (<i>Gila elegans</i>)	E	E
Humpback Chub (<i>Gila cypha</i>)	E	T
Mountain Sucker (<i>Catostomus playtrhynchus</i>)		SC
Colorado Roundtail Chub (<i>Gila pandora</i>)		SC

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

Threatened and Endangered Species in the Yampa/White/Green Basin

<u>SPECIES</u>	<u>STATUS</u>	
	<u>Federal</u>	<u>State</u>
Northern Leopard Frog (<i>Rana pipiens</i>)		SC
Midget Faded Rattlesnake (<i>Crotalus viridis concolor</i>)		SC
Longnose Leopard Lizard (<i>Gambelia wislizenii</i>)		SC
Whooping Crane (<i>Grus Americana</i>)	E	E
Southwestern Willow Flycatcher (<i>empidonax traillii extimus</i>)	E	E
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	T	T
Burrowing Owl (<i>Athene cunicularia</i>)		T
Greater Sandhill Crane (<i>Crus Canadensis tabida</i>)		SC
American Peregrine Falcon (<i>Falco peregrinus anatum</i>)		SC
Mountain Plover (<i>Charadrius montanus</i>)		SC
Western Yello-billed Cuckoo (<i>Coccyzus americanus</i>)		SC
Ferruginous Hawk (<i>Buteo regalis</i>)		SC
Greater Sage Grouse (<i>Centrocercus urophasianus</i>)		SC
Long-billed Curlew (<i>Numenius americanus</i>)		SC
Columbian Sharp-tailed Grouse (<i>Tympanuchus phasianellus columbianus</i>)		SC
Black-footed Ferret (<i>Mustela nigripes</i>)	E	E
Lynx (<i>Lynx Canadensis</i>)	T	E
Wolverine (<i>Gulo gulo</i>)		E
Kit Fox (<i>Vulpes macrotis</i>)		E
Townsend's Big-eared Bat (pale ssp)(<i>Corynorhinus townsendii pallescens</i>)		SC
Northern Pocket gopher (macrotis ssp)(<i>Thomomys talpoides</i>)		SC

<u><i>SPECIES</i></u>	<u><i>STATUS</i></u>	
	<u><i>Federal</i></u>	<u><i>State</i></u>
macrotis)		
Dudley Bluffs Bladderpod (<i>Lesquerella congesta</i>)	T	
Dudley Bluffs Twinpod (<i>Physaria obcordata</i>)	T	
Uinta Basin Hookless Cactus (<i>Sclerocactus glaucus</i>)	T	
Ute Ladies'-tresses (<i>spiranthes diluvialis</i>)	T	
Graham Beardtongue (<i>Penstemon grahamii</i>)	FC	
White River Beardtongue (<i>Penstemon scariosus albifluvis</i>)	FC	

FC - Federal Candidate Species

E - Endangered Species

T - Threatened Species

SC - State Species of Special Concern (not a statutory category)

(References: http://wildlife.state.co.us/species_cons/list.asp and <http://ndis.nrel.colostate.edu/wildlife.asp> and http://www.natureserve.org/explorer/servlet/NatureServe?post_processes=PostReset&loadTemplate=nameSearchSpecies.wmt&Type=Reset)

Recreational In-channel Diversion Application in the Yampa/White/Green Basin

In December 2003, the City of Steamboat Springs filed an application for a whitewater park RICD for a maximum flow of 1,700 cfs in the first half of June and a minimum of 120 cfs from July 15 to October 31 each year. The CWCB unanimously voted against the request, indicating that it sought too much water. The application is still pending and is intended for District 6 Water Court.

(http://www.steamboatpilot.com/section/frontpage_lead/story/24299).