

APPENDIX 11—WYOMING STATE SPECIES OF CONCERN

Table A11-1. Wyoming State Plant Species of Concern

| Common Name | Scientific Name | Habitat | Conservation Priority |
|-------------------------------------|---|--|-----------------------|
| Meadow Pussytoes | <i>Antennaria arcuata</i> | Moist, hummocky meadows, seeps or springs surrounded by sage/grasslands | High |
| Hayden's Milkvetch | <i>Astragalus bisulcatus</i> , <i>var. haydenianus</i> | Clay or sandy soils on rims, upper slopes, and draws associated with sandstone rock outcrops or springs | Low |
| Nelson's Milkvetch | <i>Astragalus nelsonianus</i> | Alkaline clay flats, shale bluffs and gullies, pebbly slopes, and volcanic cinders in sparsely vegetated sagebrush, juniper, and cushion plant communities | Medium |
| Payson's Tansymustard | <i>Descurainia pinnata</i> , <i>var. paysonii</i> | Sandy flats and stabilized dunes with shrub cover | Medium |
| Divergent Wild Buckwheat | <i>Eriogonum divaricatum</i> | Barren or semibarren clay, shale, or sandstone slopes in cushion plant-bunchgrass communities or on the fringes of sagebrush grasslands | Low |
| Large-fruited Bladderpod | <i>Lesquerella macrocarpa</i> | Gypsum-clay hills and benches, clay flats, and barren hills | High |
| Rufous-spine Prickly-pear | <i>Opuntia polyacantha</i> <i>var. rufispina</i> | Sagebrush grasslands, salt desert shrublands and vegetated sand dunes on slopes and buttes | Low |
| Red Poverty-weed | <i>Monolepis pusilla</i> | Not available | Low |
| Tree-like Xythea | <i>Oxythea dendroidea</i> | Desert hills and sandy roadsides | Low |
| Intermountain Phacelia | <i>Phacelia demissa</i> | Not available | Medium |
| Nelson's Phacelia | <i>Phacelia salina</i> | Alkaline flats and clay slopes | Medium |
| Wyoming Natural Diversity Database. | | | |

**Table A11-2. Wyoming State Mammal Species of Concern
Potential Occurrence by County**

| Common Name | Scientific Name | Habitat | County |
|--|--------------------------------|--|----------------------------------|
| Dwarf shrew | <i>Sorex nanus</i> | Rock fields, prairies, and high elevation forests | Sweetwater |
| Long-eared myotis | <i>Myotis evotis</i> | Coniferous forests | Fremont, Sublette, Sweetwater |
| Fringed myotis | <i>Myotis thysanodes</i> | Elevations less than 7,500 feet in forests and shrublands | Fremont, Sublette, Sweetwater |
| Yuma myotis | <i>Myotis yumanensis</i> | Caves, mines, buildings, underside of bridges | Sweetwater |
| Hoary bat | <i>Lasiurus cinereus</i> | Near clearings of deciduous trees | Fremont, Sublette, Sweetwater |
| Spotted bat | <i>Euderma maculatum</i> | Desert and coniferous habitats | Fremont, Sweetwater |
| Townsend's big-eared bat | <i>Corynorhinus townsendii</i> | Coniferous forest; desert shrubland | Fremont, Sweetwater |
| Pallid bat | <i>Antrozous pallidus</i> | Desert shrubs; grassland basins and plains | Fremont, Sweetwater |
| Pygmy rabbit | <i>Brachylagus idahoensis</i> | Big, dense sagebrush | Fremont(?), Sublette, Sweetwater |
| White-tailed prairie dog | <i>Cynomys leucurus</i> | Plains | Fremont, Sublette, Sweetwater |
| Wyoming pocket gopher | <i>Thomomys clusius</i> | Dry ridgetops; gravelly, loose soil; greasewood | Sweetwater |
| Idaho pocket gopher | <i>Thomomys idahoensis</i> | Stony, shallow soil | Sublette |
| Great Basin pocket mouse | <i>Perognathus parvus</i> | Low basin shrub grasslands; grassy woodland clearings | Sweetwater |
| Water vole | <i>Microtus richardsoni</i> | High-elevation, slow-moving streams with overhanging banks | Fremont, Sublette |
| Swift fox | <i>Vulpes velox</i> | Shortgrass prairie | Fremont(?), Sweetwater |
| Fertig, W. and G. Beauvais. 1999. Wyoming Plant and Animal Species of Special Concern. Wyoming Natural Diversity Database. Laramie, Wyoming. Unpublished report. | | | |

**Table A11-3. Wyoming State Avian Species of Concern
Potential Occurrence by County**

| Common Name | Scientific Name | Habitat | County |
|------------------------------|----------------------------------|---|-------------------------------------|
| American bittern | <i>Botaurus lentiginosus</i> | Dense marsh | Fremont, Sweetwater |
| White-faced ibis | <i>Plegadis chihi</i> | Marshes, wet meadows | Sweetwater |
| Ring-necked duck | <i>Aythya collaris</i> | Marshes, lakes, and ponds | Fremont, Sublette |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Rivers, lakes, marshes, wetlands | Fremont, Sublette, Sweetwater |
| Merlin | <i>Falco columbarius</i> | Open country, sand dunes, marshes, steppes, and deserts | Fremont, Sublette, Sweetwater |
| American peregrine falcon | <i>Falco peregrinus anatum</i> | Mountains, grassland, desert | Fremont, Sublette, Sweetwater |
| Whooping crane | <i>Grus Americana</i> | Salt flats and marshes, flooded crop fields, artificial ponds, reservoirs, and rivers | Fremont, Sublette, Sweetwater |
| Mountain plover | <i>Charadrius montanus</i> | High, dry, short-grass plains/prairies; sagebrush grasslands | Fremont, Sublette, Sweetwater |
| Upland sandpiper | <i>Bartramia longicauda</i> | Grasslands | Sweetwater |
| Long-billed curlew | <i>Numenius americanus</i> | Short-grass prairies, mixed-grass and scrub prairies | Fremont, Sublette, Sweetwater |
| Wilson's phalarope | <i>Phalaropus tricolor</i> | Marshes, wet meadows, shallow lakes, rivers | Fremont, Sublette, Sweetwater |
| Black-billed cuckoo | <i>Coccyzus erythrophthalmus</i> | Deciduous woodlands | Fremont |
| Yellow-billed cuckoo | <i>Coccyzus americanus</i> | Streamside deciduous woodland with low scrubby vegetation; cottonwood stands and willow thickets | Sweetwater |
| Short-eared owl | <i>Asio flammeus</i> | Grasslands, prairie, agricultural fields, salt marshes, mountain meadows | Fremont, Sublette, Sweetwater |
| Burrowing owl | <i>Athene cunicularia</i> | Open, dry grasslands, agricultural fields and rangelands, desert | Fremont, Sublette, Sweetwater |
| Black-chinned hummingbird | <i>Archilochus alexandri</i> | Canyon or floodplain riparian | Sweetwater |
| Rufous hummingbird | <i>Selasphorus rufus</i> | Open arid scrub, brushy slopes, desert vegetation | Sublette, Sweetwater |
| Calliope hummingbird | <i>Stellula calliope</i> | High mountain near streams or lakes | Sublette, Sweetwater |
| Williamson's sapsucker | <i>Sphyrapicus thyroideus</i> | Coniferous or mixed deciduous/coniferous forests | Fremont, Sublette |
| Cassin's kingbird | <i>Tyrannus vociferans</i> | Open country with scattered trees | Fremont |
| Western scrub-jay | <i>Aphelocoma californica</i> | Mesquite, scrub oak, pinyon pine, juniper, and thick low brush | Sweetwater |
| Bushtit | <i>Psaltriparus minimus</i> | Open deciduous and mixed woodlands | Sweetwater |
| Golden-crowned kinglet | <i>Regulus satrapa</i> | Open deciduous and mixed woodlands | Sublette, Sweetwater |
| Virginia's warbler | <i>Vermivora virginiae</i> | Mountain slopes of dense-growth aspen, pine, oak | Sweetwater |

**Table A11-3. Wyoming State Avian Species of Concern
Potential Occurrence by County (Continued)**

| Common Name | Scientific Name | Habitat | County |
|--|-----------------------------|--|-------------------------------|
| Black-throated gray warbler | <i>Dendroica nigrescens</i> | Semiarid woodlands; dry, open forest | Fremont, Sweetwater |
| Sage sparrow | <i>Amphispiza belli</i> | Basin-prairie shrub, mountain-foothill shrub | Fremont, Sublette, Sweetwater |
| Brewer's sparrow | <i>Spizella breweri</i> | Basin-prairie shrub | Fremont, Sublette, Sweetwater |
| McCown's longspur | <i>Calcarius mccownii</i> | Short-grass prairie; arid plains | Fremont, Sweetwater |
| Scott's oriole | <i>Icterus parisorum</i> | Desert grassland prairies | Sweetwater |
| White-winged crossbill | <i>Loxia leucoptera</i> | Coniferous and mixed forests | Fremont |
| Fertig, W. and G. Beauvais. 1999. Wyoming Plant and Animal Species of Special Concern. Wyoming Natural Diversity Database. Laramie, Wyoming. Unpublished report. | | | |

**Table A11-4. Wyoming State Fish and Amphibian Species of Concern
Potential Occurrence by County**

| Common Name | Scientific Name | Habitat | County |
|--|--|---|-------------------------------|
| Fish | | | |
| Bluehead sucker | <i>Catostomus discobolus</i> | CO River drainage, from headwaters streams to river. Prefers moderate to high water velocity and rock substrate | Sublette, Sweetwater |
| Flannelmouth sucker | <i>Catostomus latipinnis</i> | CO River drainage; deep pools of slow-flowing, low-gradient reaches | Sublette, Sweetwater |
| Colorado River cutthroat trout | <i>Oncorhynchus clarki pleuriticus</i> | Clean, cool mountain streams of moderate gradient | Sublette, Sweetwater |
| Amphibians | | | |
| Boreal western toad | <i>Bufo boreas boreas</i> | Water sources in subalpine and alpine areas | Fremont, Sublette, Sweetwater |
| Northern leopard frog | <i>Rana pipiens</i> | Shallow ponds and vegetated coves of lakes | Fremont, Sublette, Sweetwater |
| Columbia spotted frog | <i>Rana luteiventris</i> | Lakes, ponds, slow streams, marshes | Fremont, Sublette |
| Fertig, W. and G. Beauvais. 1999. Wyoming Plant and Animal Species of Special Concern. Wyoming Natural Diversity Database. Laramie, Wyoming. Unpublished report. | | | |