

Craters of the Moon National Monument and Preserve

Species of Greatest Conservation Need

*From the Idaho State Wildlife Action Plan. Ecological Section: Snake River Basalts
Aug. 2021. Compiled and annotated by Todd C. Stefanic*

Tier 1 - highest priority for the State Wildlife Action Plan and represent species with the most critical conservation needs, i.e., an early-warning list of taxa that may be heading toward the need for ESA listing.

Tier 2 - are secondary in priority and represent species with high conservation needs— that is, species with longer-term vulnerabilities or patterns suggesting management intervention is needed but not necessarily facing imminent extinction or having the highest management profile.

Tier 3 - species that do not meet the above tier criteria, yet still have conservation needs. In general, these species are relatively more common, but commonness is not the sole criterion and often these species have either declining trends rangewide or are lacking in information.



Conservation Target: Lava Flows, Kipukas, Caves & Tubes

Invertebrates

A Cave Obligate Harvestman (*Speleomaster pecki*)

S1 - Critically imperiled. endemic(?) / holotype Boy Scout Cave 1969. Idaho Species Catalog range map restricted to CRMO. NPSpecies: rare

A Cave Obligate Mite (*Flabellorhagidia pecki*)

S1 - Critically imperiled. endemic(?) / holotype Boy Scout Cave 1969. Idaho Species Catalog range map restricted to CRMO. NPSpecies abundance: unknown

A Metallic Wood-boring Beetle (*Chrysobothris horningi*)

S3 - Rare or uncommon but not imperiled. endemic (?) / holotype CRMO 1965 (Horning) on *Eriogonum depressum* (depressed wild buckwheat). Idaho Species Catalog includes CRMO. NPSpecies abundance: unknown

A Metallic Wood-boring Beetle (*Chrysobothris idahoensis*)

S3 - Rare or uncommon but not imperiled. Idaho Species Catalog range map includes CRMO, no known observations NPSpecies: probably present, NPSpecies abundance: unknown

A Yellow-masked Bee (*Hylaeus lunicraterius*)

S3 - Rare or uncommon but not imperiled. Idaho Species Catalog range map restricted to CRMO, all observations date from Horning 1964. NPSpecies abundance: unknown

Blind Cave Leiodid Beetle (*Glacivicola bathyscioides*)

S1 - Critically imperiled. NPSpecies: rare, once believed to be endemic, now known to several southeast/ southcentral Idaho caves. NPSpecies: rare

Idaho Lava Tube Millipede (*Idagone westcottii*)

S1 - Critically imperiled. known to several southeast/ southcentral Idaho caves. NPSpecies: rare

Mammals

Little Brown Myotis (*Myotis lucifugus*)

S3 - Rare or uncommon but not imperiled. NPSpecies abundance: unknown

Townsend's Big-eared Bat (*Corynorhinus townsendii*)

S3 - Rare or uncommon but not imperiled. NPSpecies: common

Western Small-footed Myotis (*Myotis ciliolabrum*)

S3 - Rare or uncommon but not imperiled. NPSpecies: common

Conservation Target: Sagebrush Steppe

Birds

Grasshopper Sparrow (*Ammodramus savannarum*)

S3 - Rare or uncommon but not imperiled. NPSpecies: occasional

Greater Sage-Grouse (*Centrocercus urophasianus*)

S3 - Rare or uncommon but not imperiled. NPSpecies uncommon

Long-billed Curlew (*Numenius americanus*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction.
NPSpecies: occasional

Sage Thrasher (*Oreoscoptes montanus*)

S3 - Rare or uncommon but not imperiled. NPSpecies: common to abundant (in sagebrush habitats)

Sagebrush Sparrow (*Artemisiospiza nevadensis*)

S3 - Rare or uncommon but not imperiled. Only a handful of records from Breeding Bird Surveys (1997-2021).
NPSpecies: rare.

Short-eared Owl (*Asio flammeus*)

S3 - Rare or uncommon but not imperiled. NPSpecies: uncommon

Invertebrates

A Long-horned Beetle (*Judolia gaurotoides*)

S3 - Rare or uncommon but not imperiled. Uncertainty about taxonomic status.

Idaho Species Catalog range map includes CRMO. NPSpecies: probably present based on ISC range map. No observations.

A Mason Bee (*Hoplitis producta subgracilis*)

S4 - Not rare and apparently secure, but with cause for long-term concern. Idaho Species Catalog range map includes CRMO. NPSpecies: probably present based on ISC range map. No observations.

A Metallic Wood-boring Beetle (*Agrilus pubifrons*)

S3 - Rare or uncommon but not imperiled. Species Catalog range map includes CRMO. NPSpecies: probably present based on ISC range map. No observations.

Conservation Target: Sagebrush Steppe (continued)

Invertebrates

A Metallic Wood-boring Beetle (*Chrysobothris idahoensis*)

S3 - Rare or uncommon but not imperiled. Idaho Species Catalog range map includes CRMO, no known observations (NPSpecies rating: probably present), NPSpecies abundance: unknown

Hunt's Bumble Bee (*Bombus huntii*)

S5 - Demonstrably widespread, abundant, and secure. NPSpecies abundant.

Idaho Point-headed Grasshopper (*Acrolophitus pulchellus*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction
NPSpecies: unconfirmed, Idaho Species Catalog includes parts of Butte and Blaine county (but not CRMO).

Monarch (*Danaus plexippus*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction
NPSpecies: occasional.

Morrison's Bumble Bee (*Bombus morrisoni*)

S4 Not rare and apparently secure, but with cause for long-term concern. NPSpecies abundance: unknown.

Spur-throated Grasshopper (*Melanoplus*) Species Group

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction.
uncertainty about taxonomic status. Four species in NPSpecies: *Melanoplus indigens* (unconfirmed), *M. foedus* (present, abundance unknown), *M. alpinus* (Blaine county - not in park), and *M. phobeticus* (unconfirmed)

Mammals

Hoary bat (*Lasiurus cinereus*)

S3 - Rare or uncommon but not imperiled. NPSpecies; present (from 1 record) abundance: unknown

Little Brown Myotis (*Myotis lucifugus*)

S3 - Rare or uncommon but not imperiled. NPSpecies abundance: unknown

Townsend's Big-eared Bat (*Corynorhinus townsendii*)

S3 - Rare or uncommon but not imperiled. NPSpecies: common

Western Small-footed Myotis (*Myotis ciliolabrum*)

S3 - Rare or uncommon but not imperiled. NPSpecies: common

Conservation Target: Depressional Wetlands; Lakes, Ponds & Reservoirs; Riverine–Riparian Forest & Shrubland

Amphibians

Northern Leopard Frog (*Lithobates pipiens*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction.
NPSpecies: unconfirmed

Western Toad (*Anaxyrus boreas*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction.
NPSpecies: rare

Conservation Target: Depressional Wetlands; Lakes, Ponds & Reservoirs; Riverine–Riparian Forest & Shrubland (continued)

Birds

American White Pelican (*Pelecanus erythrorhynchos*)

S3 - Rare or uncommon but not imperiled. NPSpecies: probably present (as a flyover or occasional visitor to Lava Lake)

California Gull (*Larus californicus*)

S2/3 -Breeding population imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction (recent events/ drought have put breeding status in doubt). Non-breeding population rare or uncommon but not imperiled NPSpecies: rare

Franklin's Gull (*Leucophaeus pipixcan*)

S3 - Rare or uncommon but not imperiled. NPSpecies occasional (on fringes of park)

Ring-billed Gull (*Larus delawarensis*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction. NPSpecies: rare

Sandhill Crane (*Grus canadensis*)

S3 - Rare or uncommon but not imperiled. NPSpecies: rare

Trumpeter Swan (*Cygnus buccinator*)

S1/S4– Breeding populations critically imperiled because of extreme rarity or because some factor of its biology makes it especially vulnerable to extinction (recent events/ drought have put breeding status in doubt). Non-breeding population not rare and apparently secure, but with cause for long-term concern. NPSpecies: Rare (on fringes- Lava Lake and flyovers)

White-faced Ibis (*Plegadis chihi*)

S2 - Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction. NPSpecies: rare (on fringes – Lava Lake and flyovers)

Mammals

Silver-haired Bat (*Lasionycteris noctivagans*)

S3 - Rare or uncommon but not imperiled. NPSpecies: uncommon