

Black-footed Ferret

Mustela nigripes G1, S1 (AZ, CO, KS, MT, ND, NM, SD, UT, WY), SH (NE), SX (AB, NN, OK, SK, TX) Photo by Kimberly Fraser

This charismatic mustelid once ranged across the grasslands of west-central North America, from southern Canada to northern Mexico. The black-footed ferret is heavily reliant on prairie dog colonies for food and the burrows where ferrets live. A dramatic drop in prairie dog populations in the 20th century due to habitat loss and persecution (to reduce competition with livestock for forage) has led to a corresponding decline in black-footed ferret populations.

No wild populations of the black-footed ferret remain today, but captive breeding programs have led to successful reintroductions. Currently, there are 30 reintroduction sites across the ferret's historical range.



Laterallus jamaicensis G3, S1 (AZ, DE, GA, IL, KS, LA, MD, NC, NE, NY, OK, TN, VA), SH (IN, DC), SNR (CA, NV, TV, SC), SU (AR, MO), SX (CT) Photo by Ashok Kholsa

This elusive bird is the smallest North American rail and, unfortunately, the most at risk. Although most people will never see a black rail in the wild, these furtive waterbirds are important members of salt and freshwater marsh ecosystems.

Climate change, sea level rise, coastal development, and invasive plants are just a few of the threats facing marshlands and, consequently, black rails. By some estimates, black rail populations have declined over 75% in the last two decades. The eastern U.S. population of the black rail was proposed for listing under the Endangered Species Act in late 2018. Protection measures afforded by listing may be the last hope for retaining this population.



Bonytail Chub Gila elegans

G1, S1 (AZ, NV, UT), SH (CA), SX (CO, NN, NM, WY) Photo by Brian Gratwicke

These long-lived (up to 50 years!) freshwater fish were once abundant in the Colorado River Basin in the southwestern United States but have been nearly wiped out by introduced predators and habitat alteration, such as river damming.

The bonytail chub is presumed extirpated (locally extinct) throughout much of its historical range, with few self-sustaining populations remaining. With continual advances in our understanding of the species' biology and increased hatchery rearing and release success, chances for persistence have improved. Spawning in the wild was detected for the first time in 2015 in the Green River floodplain in Utah.



Frosted Flatwoods Salamander Ambystoma cingulatum G2, S1 (GA, SC, FL)

* T-ranks describe the status of subspecies and populations ** C: Captive/cultivated only; reintroduction attempts are ongoing

Photo by Pierson Hill The frosted flatwoods salamander is emblematic of the disappearing longleaf pine woodlands. The small, seldom seen creatures spend most of their lives underground where they consume small soil invertebrates, emerging to breed in ephemeral wetlands during the fall and winter.

Longleaf pine woodlands have nearly vanished from the region due to development, agriculture, intensive silviculture, and fire suppression. Efforts to protect the salamander are tied to restoration of its longleaf pine habitat. Fortunately, NatureServe and its network programs have extensive knowledge about this ecosystem and are partnering with land managers to mitigate threats and restore habitat.