

The Tribe will develop specific reintroduction plans and submit them in a proposal to the Service as part of an established, annual black-footed ferret allocation process. Ferret reintroduction cooperators submit proposals by mid-March of each year, and the Service makes preliminary allocation decisions (numbers of ferrets provided to specific projects) by May. Proposals submitted to the Service include updated information on habitat, disease, project/ferret status, proposed reintroduction and monitoring methods, and predator management. In this manner, the Service and reintroduction cooperators evaluate the success of the prior year's efforts and apply current knowledge to various aspects of reintroduction efforts, thereby providing greater assurance of long-range reintroduction success.

We will transport ferrets to identified reintroduction areas within the Experimental Population Area and release them directly from transport cages into prairie dog burrows. Depending on the availability of suitable vaccine, we will vaccinate released animals against certain diseases (especially canine distemper) and take appropriate measures to reduce predation from coyotes, badgers, and raptors, where warranted. All ferrets we release will be marked with passive integrated transponder tags (PIT tags), and we may promote radio-telemetry studies to document ferret behavior and movements. Other monitoring will include spotlight surveys, snow tracking surveys, and visual surveillance.

Since captive-born ferrets are more susceptible to predation, starvation, and environmental conditions than wild animals, up to 90 percent of the released ferrets could die during the first year of release. Mortality is usually highest during the first month following release. In the first year of the program, a realistic goal is to have at least 25 percent of the animals survive the first winter. The goal of the Reservation reintroduction project is to establish a free-ranging population of at least 30 adults within the Experimental Population Area within 5 years of release. At the release site, population demographics and potential sources of mortality will be monitored on an annual basis (for up to 5 years). We do not intend to change the nonessential designation for this experimental population unless we deem this reintroduction a failure or the black-footed ferret is recovered in the wild.

6. *Status of Reintroduced Population:* We determine this reintroduction to be nonessential to the continued existence of the species for the following reasons:

(a) The captive population (founder population of the species) is protected against the threat of extinction from a single catastrophic event by housing ferrets in six separate subpopulations. As a result, any loss of an experimental population in the wild will not threaten the survival of the species as a whole.

(b) The primary repository of genetic diversity for the species is 240 adult ferrets maintained in the captive-breeding population. Animals selected for reintroduction purposes are surplus to the captive population. Hence, any use of animals for reintroduction efforts will not affect the overall genetic diversity of the species.

(c) Captive-breeding can replace any ferrets lost during this reintroduction attempt. Juvenile ferrets produced in excess of the numbers needed to maintain the captive-breeding population are available for reintroduction.

This reintroduction will be the ninth release of ferrets back into the wild. The other experimental populations occur in Wyoming, southwestern South Dakota, north-central Montana (with two separate reintroduction efforts), Arizona, Colorado/Utah (a single reintroduction area that overlays both States), and north-central South Dakota. A population of ferrets also has been established in Mexico. Reintroductions are necessary to further the recovery of this species. The NEP designation alleviates landowner concerns about possible land use restrictions. This nonessential experimental designation provides a flexible management framework for protecting and recovering black-footed ferrets while ensuring that the daily activities of landowners are unaffected.

7. *Location of Reintroduced Population:* Section 10(j) of the Act requires that an experimental population be geographically separate from other wild populations of the same species. Since the mid-1980s, black-footed ferret surveys have been conducted in the Experimental Population Area or close by, and no wild ferrets have been located (Hanebury, 1988; Bureau of Indian Affairs, 1995; Lonewolf, Rosebud Game Fish and Parks, pers. comm. 2002). Over 120,000 ha (300,000 ac) of prairie dog colonies were surveyed for black-footed ferrets in the mid-1980s during a prairie dog control effort on the Oglala Sioux Tribe's Pine Ridge Indian Reservation (Superintendent Memorandum, 1989). No ferrets were located. In addition to these surveys, the Tribe and others have spent many hours surveying prairie dog colonies at the primary reintroduction site (Hanebury, 1988; Bureau of Indian

Affairs, 1995). No ferrets or signs of ferrets (e.g., skulls, feces, trenches) were located. Therefore, we conclude that wild ferrets are no longer present in the Experimental Population Area, and that this reintroduction will not overlap with any wild population.

All released ferrets and their offspring should remain in the Experimental Population Area due to the presence of prime habitat (i.e., lands occupied by prairie dog colonies) and surrounding geographic barriers. We will capture any ferret that leaves the Experimental Population Area, attempt to identify its origin, and either return it to the release site, translocate it to another site, or place it in captivity. If a ferret leaves the primary reintroduction area but remains within the Experimental Population Area and occupies private property, the landowner can request its removal. Ferrets will remain on private lands only when the landowner does not object to their presence there.

We will mark all released ferrets and will attempt to determine the source of any unmarked animals found. Any ferret found outside the Experimental Population Area is considered endangered, as provided under the Act. We will undertake efforts to confirm whether any ferret found outside the Experimental Population Area originated from captive stock. If the animal is unrelated to members of this or other experimental populations (i.e., it is from non-captive stock), we will place it in captivity as part of the breeding population to improve the overall genetic diversity of the captive population. Existing contingency plans allow for the capture and retention of up to nine ferrets shown not to be from any captive stock. In the highly unlikely event that a ferret from captive stock is found outside the Experimental Population Area, and if landowner permission is granted, we will move the ferret back to habitats that support the primary population(s) of ferrets.

8. *Management:* This reintroduction is undertaken in cooperation with the Rosebud Sioux Tribe, the Bureau of Indian Affairs, and the Forest Service in accordance with the "Cooperative Management Plan for Black-footed Ferrets, Rosebud Sioux Reservation." Copies of the Cooperative Management Plan may be obtained from the Rosebud Sioux Tribe, Game, Fish and Parks Department, P.O. Box 430, Rosebud, South Dakota 57570. In the future, we will evaluate whether other black-footed ferret reintroductions are feasible within the Experimental Population Area. Cooperating Tribes, agencies, and private landowners will be involved in the selection of any additional sites.