



## Red Fox

The **red fox** (*Vulpes vulpes*) is the subject of many stories, songs, fables, and parables. Its flashy good looks and its ability to live close to people and their varied activities have undoubtedly contributed to this notoriety. Probably a more important reason is the fox's reputation for cunning and intelligence. Several English expressions testify to the fox's wily mind: "sly as a fox," "foxy," "outfoxed," and "crazy as a fox." Actually, the red fox has well developed senses of sight, smell, and hearing, which are responsible for much of its reputation.

**Distribution:** The red fox is common in most of northern North America. It is found throughout Alaska, except for some of the islands of Southeast Alaska and the western Aleutians and is rare in Prince William Sound. It is native to Kodiak Island but is an introduced animal on many islands in the state as a result of fox farming operations in the early 1900s. Red fox populations in Southeast Alaska are sparse, but the animal is found in the Taku and Stikine river valleys and the Mendenhall Flats. Red foxes have also been seen on Douglas Island near Juneau. The fox prefers broken country, extensive lowland marshes, and crisscrossed hills and draws. It is most abundant south of the Arctic tundra. It is also present in tundra regions, which it shares with the Arctic fox. Where the ranges of the two species overlap, the red fox is dominant. In these areas, red foxes have been observed digging white (Arctic) foxes from their dens and killing them.



**General description:** Red foxes are members of the dog family Canidae, and their general appearance is similar to dogs, wolves, and coyotes. The European red fox is the same species as the American red fox. The red fox measures 22 to 32 inches (56-82 cm) in head and body length, and the tail is 14 inches to 16 inches (35- 43 cm) long. The adult fox weight is from 6 to 15 pounds (2.7-6.8 kg), but it appears heavier than it actually is. The males, or "dogs," are usually heavier than the females, or "vixens."

The red fox is usually recognized by its reddish coat, its white-tipped tail, and black "stockings," although the species does have many color variations. The outside of the ears may be black tipped, while the inside is usually white. The white tip on the tail will distinguish this fox from other species, regardless of its color phase. Red is the most common color, but the hair may be from light yellowish to deep auburn red. Several color phases can occur in one litter. Red foxes displaying a distinct color pattern are referred by the name of that phase (i.e., red, cross, silver, black). The cross fox, for example, has a black/brown cross on the back and shoulders. The silver and black phases are similar. However, the black does not have the silver-tipped guard hairs characteristic of the silver fox. The occurrence of black-silver phase appears to increase toward the north and the northwest of Alaska. However, even where most abundant, it comprises less than 2 percent of the population.

**Life history:** Red foxes breed during February and March. The den is a hole in the earth, 15 to 20 feet long, usually located on the side of a knoll. It may have several entrances. Sometimes foxes dig their own dens. More often, though, they appropriate and enlarge the homesites of small burrowing animals, such as marmots. They also will use abandoned wolf dens. Conversely, wolves may enlarge and use a fox's den.

Within the den is a grass-lined nest where well-furred but blind babies, called kits, are born after a gestation of 51-54 days. A litter of four kits is common, though a litter of 10 is not a rarity. At birth, kits weigh about 4 ounces. Normally only one litter is born each year. The kits' eyes open eight to 10 days after birth. The young leave the den for the first time a month later. The mother gradually weans them, and by the time the kits are 3 months old, they are learning to hunt. Both parents care for the young. The family unit endures until autumn, when it breaks up and each animal is on its own.

**Food:** The red fox is omnivorous. Although it might eat muskrats, squirrels, hares, birds, eggs, insects, vegetation, and carrion, voles seem to be its preferred food. Foxes cache excess food when the hunting is good. They return to these storage sites and have been observed digging up a cache, inspecting it, and reburying it in the same spot. Apparently, they

want to be sure that their food is still there.

**Importance:** In areas where foxes have had little contact with humans, they display cautious curiosity. Even less fear is shown where contacts with humans are very common. Foxes are very adaptable to a wide range of habitats and can thrive close to humans, but they prefer wild settings. They require only a source of food and cover. Foxes are quite vocal, having a large repertoire of howls, barks, and whines. The red fox has several natural enemies: man (principally as trappers), wolves, coyotes, lynx, wolverines, and perhaps bears. Eagles are the major predators of young foxes in some areas. In coastal areas from Dillingham to the North Slope, foxes are subject to periodic outbreaks of rabies, which can kill all foxes in a wide area.

**Trapping:** Fox trappers have always respected the cunning displayed by this intelligent animal. Only the most carefully planned sets, free of human scent, will consistently catch foxes. Fox fur, like many other furs, fluctuates widely in popularity. When fox is out of style, the prices are correspondingly low. During the 1920s, when fox fur was fashionable, silver fox pelts sold for up to \$500 each.

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