

Vertebrate Animal Species Known to Have Decreased in the Methow Watershed 1900-2012 AD:

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Species	Current Condition	Pre-settlement Condition	Cause of Decline
Fish			
Coho salmon	reintroduced	abundant	Overfishing; dams
Chinook salmon	common	abundant	Overfishing; dams
Steelhead	common	abundant	Overfishing; dams
Bull trout	uncommon	common	Overfishing, habitat loss, introduced species
Native cutthroat trout	uncommon	common	Overfishing, habitat loss, introduced subspecies
Native rainbow trout	uncommon	common	Overfishing, habitat loss, introduced subspecies
Reptiles			
Western rattlesnake	common	common	Feared, often killed
Birds			
Peregrine falcon	rare	rare	DDT
Cooper's hawk	uncommon	common	DDT, shooting
American kestrel	common	common	DDT & other pesticides
Sharptail grouse	extirpated	common	Habitat loss
Sage grouse	extirpated	rare	Habitat loss
Burrowing owl	extirpated	uncommon	Loss of grasslands, rodent control, pesticides
White-headed woodpecker	uncommon	common	Loss of old-growth ponderosa pine
Black-backed woodpecker	uncommon	uncommon	Suppression of forest fires
Lewis' woodpecker	common	common	
Western wood pewee	common	common	Sensitive to forest fragmentation
Olive-sided flycatcher	common	common	May be due to loss of tropical wintering habitat
Barn swallow	uncommon	common	Unknown
Rough-winged swallow	uncommon	common	Unknown
Western bluebird	common	common	Habitat loss (snags for nesting), introduced species (starlings)
Mountain bluebird	uncommon	common	Habitat loss (fire suppression: loss of snags for nesting, openings for feeding)
Swainson's thrush	common	common	Habitat loss (riparian areas logged and grazed)
Mammals			
Pygmy rabbit	extirpated	uncommon	cats, habitat loss (prior presence reported by early ranchers)
Whitetailed jackrabbit	extirpated	common	Habitat loss, killed on high-speed roads
Hoary marmot	common	common	Possible competition with Columbia ground squirrels
Badger	uncommon	uncommon	First recent den reported in 2008, seen increasingly by 2012
Fisher	extirpated	rare	Habitat loss, trapping
Pine marten	common	common	Habitat loss, trapping
Striped skunk	uncommon	common	Winter kill
Bighorn sheep	reintroduced	uncommon	Disease transferred from domestic sheep
Mountain goat	uncommon	common	Warming trend over the last 13,000 years (e.g. used to extend to California)
Lynx	rare	uncommon	Habitat loss (fire suppression, loss of young conifers)
Grizzly bear	extirpated	rare	Human depredation
Wolf	rare	uncommon	Human depredation; a small pack from Canada appeared in the Methow in 2008

Species Known to Have Increased in the Methow Watershed 1900-2012 AD

Species	Current Condition	Pre-settlement Condition	Source/Cause/Impact
Fish			
Non-native Rainbow trout	common	absent	Costal rainbow/ planted/ introduced in massive quantities, displaced native fish
Brown trout	rare	absent	Northern Europe/ introduced/ minimal
Brook trout	abundant	absent	Eastern North America/ introduced/ outcompeting bull trout
Smallmouth bass	uncommon	absent	Eastern North America/ introduced/ minimal
Largemouth bass	uncommon	absent	Eastern North America/ introduced/ eradicating amphibians from ponds where planted
White crappie	rare	absent	Eastern North America/ introduced/ eats amphibians
Redside shiner	uncommon	absent	Native to the Columbia River/ Wells Dam/ minimal
Brown bullhead	uncommon	absent	Eastern North America/ introduced/ eats amphibians
Walleye	rare	absent	Central & Eastern North America/ Wells Dam/ minimal
Birds			
California quail	abundant	absent	California/ introduced/ unknown
Wild turkey	common	absent	Eastern and central North America/ introduced/ minimal
Gray partridge	uncommon	absent	Europe/ introduced/ competition with sharp-tailed grouse?
Chukar	uncommon	absent	Eurasia/ introduced/ competition with sharp-tailed grouse?
Rock dove	common	absent	Europe/ introduced/ unknown
Eurasian collared dove	common	absent	Asia/arrived in Florida in ~1980, first seen in WA in 2000, in the Methow in 2006
Barred owl	uncommon	absent	Eastern North America/ range extension/ competes with spotted owls
House wren	abundant	present	Native/ adapted to human disturbance/ outcompetes songbird cavity nesters
House sparrow	common	absent	Europe/ introduced in New York City/ outcompetes songbird cavity nesters
European starling	abundant	absent	Europe/ introduced in New York City in 1890/ out-competes many cavity nesters
Brown-headed cowbird	abundant	absent	Central North America/ range extension/ nest parasite, esp on warblers & vireos
Crow	common	present	Native/ adapted to human disturbance/ eats eggs and nestlings of other birds
Raven	abundant	present	Native/ adapted to human disturbance/ eats eggs and nestlings of other birds
Mammals			
House mouse	common	absent	Europe/ accidentally introduced/ unknown
Raccoon	common	absent	Native to Washington/ adapted to human disturbance/ aggressive omnivore
Domestic cat	abundant	absent	Southeast Asia/ introduced/ kills an estimated 1 billion birds/year in North America
Domestic dog	abundant	rare	Eurasia/ introduced/ harasses and kills wildlife
White-tailed deer	abundant	absent	Eastern Washington/ range extension- adapted to human disturbance/ unknown
Moose	uncommon	rare	Canada/ range extension/ minimal
Plants			
Diffuse knapweed	abundant	absent	Eurasia/ accidentally introduced/ outcompetes native vegetation, loss of wildlife food
Russian knapweed	abundant	absent	Eurasia/ accidentally introduced/ outcompetes native vegetation, loss of wildlife food
Spotted knapweed	uncommon	absent	Eurasia/ accidentally introduced/ outcompetes native vegetation, loss of wildlife food
Dalmation toadflax	abundant	absent	Eurasia/ introduced as a garden plant/ outcompetes native vegetation
Whitetop	abundant	absent	Eurasia/ accidentally introduced/ outcompetes native vegetation, loss of wildlife food
Quackgrass	abundant	absent	Eurasia/ accidentally introduced/ outcompetes native vegetation, loss of wildlife food
Cheatgrass	abundant	absent	Eurasia/ accidentally introduced/ outcompetes native vegetation, loss of wildlife food
many other plant species.....	abundant	absent	Various/ various/ alien plants often outcompete native vegetation on disturbed soil