

Appendix 1. Mammals and birds that are known, probable, and possible consumers of Yellowstone cutthroat trout in Yellowstone Lake and its tributaries, Yellowstone National Park

MAMMALS	GENUS / SPECIES	KNOWN	SUSPECTED	POSSIBLE	SOURCE
American black bear	<i>Ursus americanus</i>	X			Reinhart and Mattson 1990, Haroldson et. al 2005, Fortin et. al 2013
Grizzly bear	<i>Ursus arctos</i>	X			Reinhart and Mattson 1990, Haroldson et. al 2005, Fortin et. al 2013
Mink	<i>Mustela vison</i>	X			P. Bigelo, YNP Fisheries and Aquatics Program, personal communication 2014
River Otter	<i>Lutra Canadensis</i>	X			Crait and Ben-David 2006
Badger	<i>Taxidea taxus</i>		X		Errington 1937
Bobcat	<i>Lynx rufus</i>		X		Anderson and Lovallo 2003
Coyote	<i>Canis latrans</i>		X		Ozoga and Harger 1966
Fisher	<i>Martes pennanti</i>		X		Powell et. al. 2003
Gray wolves	<i>Canis lupus</i>		X		Adams et. al 2010, Bergum and Bowersock 2013
Lynx	<i>Lynx canadensis</i>		X		Anderson and Lovallo 2003
Marten	<i>Martes Americana</i>		X		Ben-David 1997
Mountain Lion	<i>Puma concolor</i>		X		Montana Fish, Wildlife, & Parks, unpublished data
Muskrat	<i>Ondatra zibethicus</i>		X		Errington 1941
Raccoon	<i>Procyon lotor</i>		X		Greenwood 1979
Red fox	<i>Vulpes vulpes</i>		X		Cypher 2003
Short tailed weasel	<i>Mustela ermine</i>		X		Svendsen 2003
Striped skunk	<i>Mephitis mephitis</i>		X		Crabtree and Wolf 1988
Water shrew	<i>Sorex palustris</i>		X		Conaway 1952
Wolverine	<i>Gulo gulo</i>		X		Copeland and Whitman 2003
Deer mouse	<i>Peromyscus maniculatus</i>			X	Streubel 1989, Schullery and Varley 1995
Dusky shrew	<i>Sorex monticolus</i>			X	Schullery and Varley 1995
Golden-mantled ground squirrel	<i>Callospermophilus lateralis</i>			X	Cameron 1967
Long-Tailed weasel	<i>Mustela frenata</i>			X	Schullery and Varley 1995
Masked shrew	<i>Sorex cinereus</i>			X	Schullery and Varley 1995
Northern flying squirrel	<i>Glaucomys sabrinus</i>			X	Schullery and Varley 1995
Red squirrel	<i>Tamiasciurus hudsonicus</i>			X	Schullery and Varley 1995
Spotted skunk	<i>Spilogale gracilis</i>			X	Rosatte and Lariviere 2003
Uinta chipmunk	<i>Tamias umbrinus</i>			X	Streubel 1989, Schullery and Varley 1995
Uinta ground squirrel	<i>Spermophilus armatus</i>			X	Streubel 1989
White-tailed deer	<i>Odocoileus virginianus</i>			X ^a	Spencer et. al. 1991
Yellow-pine chipmunk	<i>Neotamias amoenus</i>			X	Sutton 1992

BIRDS	GENUS / SPECIES	KNOWN	SUSPECTED	POSSIBLE	SOURCE
American Dipper	<i>Cinclus mexicanus</i>	X ⁱ			Tyler and Ormerod 1994
American White Pelican	<i>Pelecanus erythrorhynchos</i>	X			Davenport 1974
Bald Eagle	<i>Haliaeetus leucocephalus</i>	X			Davenport 1974, McEneaney 2002
Barrow's Goldeneye	<i>Bucephala islandica</i>	X			Davenport 1974, Reimchen 1994
Belted Kingfisher	<i>Megaceryle alcyon</i>	X			Davenport 1974
Bufflehead	<i>Bucephala albeola</i>	X			Davenport 1974, Reimchen 1994
California Gull	<i>Larus californicus</i>	X			Davenport 1974, McEneaney 2002
Caspian Tern	<i>Hydroprogne caspia</i>	X			Davenport 1974, McEneaney 2002
Common Loon	<i>Gavia immer</i>	X			Davenport 1974, McEneaney 2002
Common Merganser	<i>Mergus merganser</i>	X			Davenport 1974
Common Raven	<i>Corvus corax</i>	X ⁱⁱ			B. Ertel, YNP Fisheries and Aquatics Program, personal communication 2014
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	X			Davenport 1974, Craven and Lev 1987, McEneaney 2002,
Eared Grebe	<i>Podiceps nigricollis</i>	X			Davenport 1974
Great Blue Heron	<i>Ardea herodias</i>	X			Davenport 1974
Osprey	<i>Pandion haliaetus</i>	X			Davenport 1974, Poole et al. 2002, Baril et al. 2013
American Avocet	<i>Recurvirostra americana</i>		X		Ackerman et. al 2013
American Coot	<i>Fulica Americana</i>		X		Brisbin et. al 2002
American Crow	<i>Corvus brachyrhynchos</i>		X		Reimchen 1994
American Kestrel	<i>Falco sparverius</i>		X		Smallwood and Bird 2002
American Robin	<i>Turdus migratorius</i>		X		Vanderhoff et. al 2014
Black-bellied Plover	<i>Pluvialis squatarola</i>		X		Paulson 1995
Black-capped Chickadee	<i>Poecile atricapillus</i>		X		Foote et. al 2010
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>		X		Hothem et. al 2010
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>		X		Ortega and Hill 2010
Black-necked Stilt	<i>Himantopus mexicanus</i>		X		Robinson et. al 1999
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>		X		Burger and Gochfeld 2002
Broad-winged Hawk	<i>Buteo platypterus</i>		X		Goodrich et. al 2014
Clark's Grebe	<i>Aechmophorous clarkii</i>		X		Storer and Nuechterlein 1992
Common Goldeneye	<i>Bucephala clangula</i>		X		Eadie et. al 1995
Common Tern	<i>Sterna hirundo</i>		X		Reimchen 1994
Cooper's Hawk	<i>Accipter cooperii</i>		X		Curtis et. al 2006
Fox Sparrow	<i>Passerella iliaca</i>		X		Weckstein et. al 2002
Franklin's Gull	<i>Leucophaeus pipixcan</i>		X		Burger and Gochfeld 2009
Golden Eagle	<i>Aquila chrysaetos</i>		X		Kochert et. al 2002
Gray Jay	<i>Perisoreus Canadensis</i>		X		Strickland and Ouelett 2011
Great Gray Owl	<i>Strix nebulosa</i>		X		McEneaney 2002
Great Horned Owl	<i>Bubo virginianus</i>		X ⁱⁱⁱ		McEneaney 2002
Greater Scaup	<i>Aythya marila</i>		X		Kessel et. al 2002
Greater Yellowlegs	<i>Tringa melanoleuca</i>		X		Reimchen 1994
Harlequin Duck	<i>Histrionicus histrionicus</i>		X		Robertson and Goudie 1999
Herring Gull	<i>Larus argentatus</i>		X		Pierotti and Good 1994
Hooded Merganser	<i>Lophodytes cucullatus</i>		X		Reimchen 1994
Horned Grebe	<i>Podiceps auritus</i>		X		Reimchen 1994

Killdeer	<i>Charadrius vociferus</i>	X		Jackson and Jackson 2000
Lesser Scaup	<i>Aythya affinis</i>	X		Austin et. al 1998
Lesser Yellowlegs	<i>Tringa flavipes</i>	X		Reimchen 1994
Long-billed Curlew	<i>Numenius americanus</i>	X		Dugger and Dugger 2002
Marbled Godwit	<i>Limosa fedoa</i>	X		Gratto-Trevor 2000
Marsh Wren	<i>Cistothorus palustris</i>	X		Kroodsmma and Verner 2014
Pectoral Sandpiper	<i>Calidris melanotos</i>	X		Farmer et. al 2013
Peregrine Falcon	<i>Falco peregrinus</i>	X		White et. al 2002
Pied-billed Grebe	<i>Podilymbus podiceps</i>	X		Muller and Storer 1999
Red-breasted Merganser	<i>Mergus serrator</i>	X		Titman 1999
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	X		Smith et. al 2000
Red-necked Grebe	<i>Podiceps griseigena</i>	X		Stout and Nuechterlein 1999
Red-necked Phalarope	<i>Phalaropus lobatus</i>	X		Rubega et. al 2000
Ring Billed Gull	<i>Larus delawarensis</i>	X		Reimchen 1994, McEneaney 2002
Rough-legged Hawk	<i>Buteo lagopus</i>	X		Bechard and Swem 2002
Ruddy Turnstone	<i>Arenaria interpres</i>	X		Nettleship 2000
Sanderling	<i>Calidris alba</i>	X		Macwhirter 2002
Spotted Sandpiper	<i>Actitis macularius</i>	X		Reed et. al 2013
Tree Swallow	<i>Tachycineta bicolor</i>	X		Winkler et. al 2011
Trumpeter Swan	<i>Cygnus buccinator</i>	X		Mitchell and Eichholz 2010
Virginia Rail	<i>Rallus limicola</i>	X		Conway 1995
Western Grebe	<i>Aechmophorous occidentalis</i>	X		Lawrence 1950, Reimchen 1994
Western Screech Owl	<i>Megascops kennicottii</i>	X		Cannings and Angell 2001
White-faced Ibis	<i>Plegadis chichi</i>	X		Ryder and Manry 1994
Willet	<i>Tringa semipalmata</i>	X		Lowther et. al 2001
Turkey Vulture	<i>Carhartes aura</i>	X		Kirk and Mossman 1998
Black-billed Magpie	<i>Pica hudsonia</i>		X	Terres 1980
Blue Jay	<i>Cyanocitta cristata</i>		X	Smith et. al 2013
Clark's Nutcracker	<i>Nucifraga Columbiana</i>		X	Terres 1980
Eurasian Collared Dove	<i>Streptopelia decaocto</i>		X	Romagosa 2012
Loggerhead Shrike	<i>Lanius ludovicianus</i>		X	Yosef 1996
Merlin	<i>Falco columbarius</i>		X	Warkentin et. al 2005
Northern Shrike	<i>Lanius excubitor</i>		X	Cade and Atkinson 2002
Steller's Jay	<i>Cyanocitta stellar</i>		X	Schullery and Varley 1995

ⁱ American Dippers forage on Yellowstone cutthroat trout fry and eggs.

ⁱⁱ Common Ravens scavenge Yellowstone cutthroat trout and other fish carcasses, but do not generally forage for fish.

ⁱⁱⁱ This is based on one observation of a Great Horned Owl catching and consuming a trout in Yellowstone, but is not likely a common occurrence. Fish are not part of their typical diet.