

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		X		Montana Fish, Wildlife, & Parks, unpublished data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 <sup>a</sup>	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 <sup>i</sup>			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 <sup>ii</sup>			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 <sup>iii</sup>		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		Kroodtsma 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

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<sup>i</sup> American Dippers forage on Yellowstone cutthroat trout fry and eggs.

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

<sup>iii</sup> 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.