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**APPENDIX N**

**FOCAL VERTEBRATES OF THE LAKE TAHOE BASIN**

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## FOCAL VERTEBRATES OF THE LAKE TAHOE BASIN

Patricia N. Manley and Matthew D. Schlesinger

**Table N-1**—Focal vertebrates of the Lake Tahoe Basin. Criteria responsible for focal designation are indicated. See below for field definitions.

Common Name	Scientific Name	Ecological Criteria					Cultural Criteria			
		Extirp	T, E, SC	Pop	Life History	Exotic/Endem	Harvest	Watchable	Human Conflict	Agency Emphasis
<b>Birds</b>										
Cooper's Hawk	<i>Accipiter cooperii</i>		X							
Northern Goshawk	<i>Accipiter gentilis</i>		X		O					X
Sharp-shinned Hawk	<i>Accipiter striatus</i>		X							
Red-winged Blackbird	<i>Agelaius phoeniceus</i>				X					
Wood Duck	<i>Aix sponsa</i>			X	X					
Northern Pintail	<i>Anas acuta</i>				X					
Northern Shoveler	<i>Anas chryseata</i>			X						
Mallard	<i>Anas platyrhynchos</i>				X			X		
American Pipit	<i>Anthus rubescens</i>				X					
Western Scrub Jay	<i>Aphelocoma coerulescens</i>			X						
Golden Eagle	<i>Aquila chrysaetos</i>		X							X
Great Blue Heron	<i>Ardea herodias</i>				X					
Greater Scaup	<i>Aythya marila</i>			X						
Canvasback	<i>Aythya valisineria</i>				X					
Canada Goose	<i>Branta canadensis</i>				X			X	X	
Common Goldeneye	<i>Bucephala clangula</i>				X					
Barrow's Goldeneye	<i>Bucephala islandica</i>		X	X						
California Quail	<i>Callipepla californica</i>					X				
Lesser Goldfinch	<i>Carduelis psaltria</i>			X						
Cassin's Finch	<i>Carpodacus cassinii</i>				O					
House Finch	<i>Carpodacus mexicanus</i>			X						
Purple Finch	<i>Carpodacus purpureus</i>				O					

Common Name	Scientific Name	Ecological Criteria					Cultural Criteria			
		Extirp	T, E, SC	Pop	Life History	Exotic/Endem	Harvest	Watchable	Human Conflict	Agency Emphasis
Swainson's Thrush	<i>Catharus ustulatus</i>			X						
Canyon Wren	<i>Catherpes mexicanus</i>	X			X					
Brown Creeper	<i>Certhia americana</i>				O					
Belted Kingfisher	<i>Ceryle alcyon</i>			X	X					
Northern Harrier	<i>Circus cyaneus</i>		X							
Marsh Wren	<i>Cistothorus palustris</i>				X					
Evening Grosbeak	<i>Coccothraustes vespertinus</i>				O					
Band-tailed Pigeon	<i>Columba fasciata</i>			X						
Rock Dove	<i>Columba livia</i>				X	X			X	
Olive-sided Flycatcher	<i>Contopus cooperi</i>			X						
Western Wood-pewee	<i>Contopus sordidulus</i>			X						
American Crow	<i>Corvus brachyrhynchos</i>				X					
Steller's Jay	<i>Cyanocitta stelleri</i>			X						
Tundra Swan	<i>Cygnus columbianus</i>				X					
Blue Grouse	<i>Dendragapus obscurus</i>						X			
Hermit Warbler	<i>Dendroica occidentalis</i>				O					
Yellow Warbler	<i>Dendroica petechia</i>		X							
Pileated Woodpecker	<i>Dryocopus pileatus</i>				X,O					
Hammond's Flycatcher	<i>Empidonax hammondi</i>				X					
Willow Flycatcher	<i>Empidonax traillii</i>		X	X	X					X
Horned Lark	<i>Eremophila alpestris</i>				X					
Peregrine Falcon	<i>Falco peregrinus</i>	X	X	X				X		X
Common Snipe	<i>Gallinago gallinago</i>			X						
Common Loon	<i>Gavia immer</i>		X							
Bald Eagle	<i>Haliaeetus leucocephalus</i>		X					X		X
California Gull	<i>Larus californicus</i>		X		X				X	
Ring-billed Gull	<i>Larus delawarensis</i>				X				X	
Gray-crowned Rosy Finch	<i>Leucosticte arctoa</i>				X					
Hooded Merganser	<i>Lophodytes cucullatus</i>				X					
Red Crossbill	<i>Loxia curvirostra</i>				X,O					
Lewis's Woodpecker	<i>Melanerpes lewis</i>	X		X						
Wild Turkey	<i>Meleagris gallopavo</i>					X				
Lincoln's Sparrow	<i>Melospiza lincolni</i>				X					
Common Merganser	<i>Mergus merganser</i>				X					
Brown-headed Cowbird	<i>Molothrus ater</i>			X		P				
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>				X					

Common Name	Scientific Name	Ecological Criteria					Cultural Criteria			
		Extirp	T, E, SC	Pop	Life History	Exotic/Endem	Harvest	Watchable	Human Conflict	Agency Emphasis
MacGillivray's Warbler	<i>Oporornis tolmiei</i>				X					
Mountain Quail	<i>Oreortyx pictus</i>						X			
Osprey	<i>Pandion haliaetus</i>		X		X			X		X
House Sparrow	<i>Passer domesticus</i>				X	X				
Savannah Sparrow	<i>Passerculus sandwichensis</i>	X			X					
American White Pelican	<i>Pelecanus erythrorhynchos</i>		X	X	X					
Black-billed Magpie	<i>Pica pica</i>				X					
White-headed Woodpecker	<i>Picooides albolarvatus</i>				O					
Black-backed Woodpecker	<i>Picooides arcticus</i>				X					
Pine Grosbeak	<i>Pinicola enucleator</i>				X					
Green-tailed Towhee	<i>Pipilo chlorurus</i>				X					
Pied-billed Grebe	<i>Podilymbus podiceps</i>			X						
Bank Swallow	<i>Riparia riparia</i>		X		X					
Red-breasted Nuthatch	<i>Sitta canadensis</i>				O					
Pygmy Nuthatch	<i>Sitta pygmaea</i>				X,O					
Red-breasted Sapsucker	<i>Sphyrapicus ruber</i>			X						
Williamson's Sapsucker	<i>Sphyrapicus thyroideus</i>				X					
Chipping Sparrow	<i>Spizella passerina</i>			X						
Forster's Tern	<i>Sterna forsteri</i>			X						
Spotted Owl	<i>Strix occidentalis</i>		X		O					X
European Starling	<i>Sturnus vulgaris</i>					X				
Winter Wren	<i>Troglodytes troglodytes</i>				X,O					
American Robin	<i>Turdus migratorius</i>			X						
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>				X					
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>			X						
<b>Mammals</b>										
Pallid bat	<i>Antrozous pallidus</i>		X							X
Mountain beaver	<i>Aplodontia rufa</i>		X							
Cow	<i>Bos sp.</i>					D				
Domestic dog	<i>Canis familiaris</i>					D				
Coyote	<i>Canis latrans</i>							X	X	
Beaver	<i>Castor canadensis</i>			X		X			X	
Horse	<i>Equus sp.</i>					D				
Mule	<i>Equus sp.</i>					D				
Domestic cat	<i>Felis domesticus</i>					D				
Northern flying squirrel	<i>Glaucomys sabrinus</i>				X,O					

Common Name	Scientific Name	Ecological Criteria					Cultural Criteria			
		Extirp	T, E, SC	Pop	Life History	Exotic/Endem	Harvest	Watchable	Human Conflict	Agency Emphasis
Wolverine	<i>Gulo gulo</i>	X	X	X	X					X
Llama	<i>Lama glama</i>					D				
Sierra Nevada snowshoe hare	<i>Lepus americanus taboensis</i>		X		X					
White-tailed hare	<i>Lepus townsendii</i>	X	X	X	X					
River otter	<i>Lutra canadensis</i>			X	X					
Yellow-bellied marmot	<i>Marmota flaviventris</i>				X					
Marten	<i>Martes americana</i>				X,O					X
Fisher	<i>Martes pennanti</i>		X	X	X,O					X
Long-tailed vole	<i>Microtus longicaudus</i>				X					
Mink	<i>Mustela vison</i>			X	X					
Long-eared myotis	<i>Myotis evotis</i>		X							
Fringed myotis	<i>Myotis thysanodes</i>		X	X						
Yuma myotis	<i>Myotis yumanensis</i>		X							
Desert woodrat	<i>Neotoma lepida</i>				X					
Pika	<i>Ochotona princeps</i>				X					
Mule deer	<i>Odocoileus hemionus</i>						X	X		X
Muskrat	<i>Ondatra zibethicus</i>			X	X					
Mountain sheep	<i>Ovis canadensis californiana</i>	X	X	X	X			X		X
Brush mouse	<i>Peromyscus boylii</i>				X					
Canyon mouse	<i>Peromyscus crinitus</i>	X			X					
Pinyon mouse	<i>Peromyscus truei</i>				X					
Heather vole	<i>Phenacomys intermedius</i>	X			X					
Raccoon	<i>Procyon lotor</i>								X	
Broad-footed mole	<i>Scapanus latimanus</i>				X					
Western gray squirrel	<i>Sciurus griseus</i>				X				X	
Dusky shrew	<i>Sorex monticolus</i>				X					
Water shrew	<i>Sorex palustris</i>				X					
Trowbridge's shrew	<i>Sorex trowbridgii</i>				X					
Vagrant shrew	<i>Sorex vagrans</i>				X					
California ground squirrel	<i>Spermophilus beecheyi</i>								X	
Belding's ground squirrel	<i>Spermophilus beldingi</i>				X					
Nuttall's cottontail	<i>Sylvilagus nuttallii</i>			X	X					
Yellow-pine chipmunk	<i>Tamias flaviventris</i>				X					
Least chipmunk	<i>Tamias minimus</i>				X					
Long-eared chipmunk	<i>Tamias quadrimaculatus</i>				X	E				
Lodgepole chipmunk	<i>Tamias speciosus</i>		X		X					

Common Name	Scientific Name	Ecological Criteria					Cultural Criteria			
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Douglas squirrel	<i>Tamiasciurus douglasii</i>				X				X	
Badger	<i>Taxidea taxus</i>			X	X					
Mountain pocket gopher	<i>Thomomys monticola</i>				X					
Black bear	<i>Ursus americanus</i>			X			X	X	X	
Grizzly bear	<i>Ursus arctos</i>	X	X	X						
Sierra Nevada red fox	<i>Vulpes vulpes necator</i>	X	X	X	X					X
Western jumping mouse	<i>Zapus princeps</i>				X					
<b>Amphibians</b>										
Long-toed salamander	<i>Ambystoma macrodactylum</i>				X					
Western toad	<i>Bufo boreas</i>			X	X					
Pacific treefrog	<i>Hyla regilla</i>			X	X					
Bullfrog	<i>Rana catesbeiana</i>				X	X				
Mountain yellow-legged frog	<i>Rana muscosa</i>		X	X	X					X
Northern leopard frog	<i>Rana pipiens</i>	X	X	X	X	X?				X
<b>Reptiles</b>										
Sagebrush lizard	<i>Sceloporus graciosus</i>				X					
W. aquatic garter snake	<i>Thamnophis couchii</i>				X					
W. terrestrial garter snake	<i>Thamnophis elegans</i>			X						
<b>Fish</b>										
Goldfish	<i>Carassius auratus</i>					X				
Carp	<i>Cyprinus carpio</i>					X				
Mosquito fish	<i>Gambusia affinis</i>					X				
Lahontan Lake tui chub	<i>Gila bicolor pectinifer</i>		X							X
Brown bullhead	<i>Ictalurus nebulosis</i>					X				
Bluegill	<i>Lepomis macrochirus</i>					X				
Smallmouth bass	<i>Micropterus dolomieu</i>					X	X			
Largemouth bass	<i>Micropterus salmoides</i>					X	X			
Golden shiner	<i>Notemigonus crysoleucas</i>					X				
Golden trout	<i>Oncorhynchus aquabonita</i>					X	X			
Lahontan cutthroat trout	<i>Oncorhynchus clarkii henshawi</i>	X	X	X						
Rainbow trout	<i>Oncorhynchus mykiss</i>					X	X			
Kokanee salmon	<i>Oncorhynchus nerka kennerlyi</i>					X	X	X		
White crappie	<i>Pomoxis annularis</i>					X				
Black crappie	<i>Pomoxis nigromaculatus</i>					X				
Mountain whitefish	<i>Prosopium williamsoni</i>			X						

Common Name	Scientific Name	Ecological Criteria					Cultural Criteria			
		Extirp	T, E, SC	Pop	Life History	Exotic/Endem	Harvest	Watchable	Human Conflict	Agency Emphasis
German brown trout	<i>Salmo trutta</i>					X	X			
Brook trout	<i>Salvelinus fontinalis</i>					X	X			
Mackinaw (lake) trout	<i>Salvelinus namaycush</i>					X	X			

## Notes:

Extirp: Extirpated or potentially extirpated

T, E, SC: Federal or State Threatened, Endangered, or Special Concern

Pop: vulnerable due to small population size, declining population, and/or contracted range

Life-history: X = potentially vulnerable due to high habitat specificity, low mobility, and/or large home range; O = potentially vulnerable due to dependence on old forests

Exotic/Endem = introduced to the Lake Tahoe basin (X), Domesticated (D), Native ecological pest (P), or endemic to Sierra Nevada (E)

Harvest = potentially hunted, trapped, fished, or otherwise harvested within the basin

Watchable = potentially viewed for pleasure by public

Human conflict = "pest" or "nuisance" species

Agency emphasis = USDA Forest Service sensitive or TRPA special interest