

## Appendix A. Definitions of Fish Status Presented by ICBEMP

Present strong - Strong watersheds include those with the following characteristics: 1) all major life histories (for example: stream resident or migratory) that historically occurred within the watershed are present; 2) numbers are stable or increasing, and the local population is likely to be at half or more of its historical size or density; and 3) the population or metapopulation within the subwatershed, or within a larger region of which the subwatershed is a part, probably contains at least 5,000 individuals or 500 adults.

Present depressed - Depressed watersheds include those with at least one of the following characteristics: 1) a major life-history component (for example, a migratory or resident form of westslope cutthroat trout) has been eliminated; 2) numbers within the subwatershed are declining, or the salmonid occurs in less than half of its historical habitat, or numbers are less than half of what the watershed supported historically; if historical information is unavailable, densities are less than half of what is found in comparable streams in an undisturbed condition where the species is well distributed; in cases with relatively strong numbers, but where a population was seriously hybridized with an introduced species or subspecies, the population representing the pure native species/subspecies was considered depressed; or 3) total abundance for the population or metapopulation within the subwatershed, or the larger region of which this subwatershed is a part, is less than 5,000 total fish or 500 adults; the fish within the subwatershed are isolated by distance or natural barriers from other populations that would collectively exceed these numbers.

Absent - The key salmonid is not present in this subwatershed. It is either extinct or never occupied the subwatershed. The subwatershed is located within the natural range of the species and colonization of the subwatershed was historically possible even though habitat or other environmental conditions might make the habitat unsuitable.

Present-unknown - The key salmonid is present, but there is no reliable information to determine current status.

Present, migration corridor - Migration corridors are habitats that do not support spawning or rearing, and function solely as routes or staging and wintering areas for migrating fish. If spawning or rearing are known to occur, the population status is judged as present-depressed, present-strong, or present-unknown. Many salmonids may disperse widely from natal habitats prior to maturation. Where a distinction could be made between areas that serve as initial rearing areas prior to migration and those that support transient or subadult fish (for example, mainstem rivers or lakes for bull trout), we considered the latter to be corridor habitat.

Unknown - No information exists regarding the current presence or absence of the species. Subwatersheds that were unclassified were considered unknown.

## Appendix B

### Appendix B. Potential Wildlife Species in the Lower Middle Snake Subbasin

<b>Amphibians</b>	
Bullfrog	<i>Rana catesbeiana</i>
Columbia spotted frog	<i>Rana luteiventris</i>
Great basin spadefoot	<i>Spea intermontana</i>
Long-toed salamander	<i>Ambystoma macrodactylum</i>
Northern leopard frog	<i>Rana pipiens</i>
Pacific tree frog	<i>Pseudacris regilla</i>
Tailed frog	<i>Ascaphus truei</i>
Tiger salamander	<i>Ambystoma tigrinum</i>
Western toad	<i>Bufo boreas</i>
Woodhouse's toad	<i>Bufo woodhousii</i>
<b>Birds</b>	
American avocet	<i>Recurvirostra americana</i>
American bittern	<i>Botaurus lentiginosus</i>
American coot	<i>Fulica americana</i>
American crow	<i>Corvus brachyrhynchos</i>
American kestrel	<i>Falco sparverius</i>
American white pelican	<i>Pelecanus erythrorhynchos</i>
American wigeon	<i>Anas americana</i>
Ash-throated flycatcher	<i>Myiarchus cinerascens</i>
Bald eagle	<i>Haliaeetus leucocephalus</i>
Bank swallow	<i>Riparia riparia</i>
Barn owl	<i>Tyto alba</i>
Barn swallow	<i>Hirundo rustica</i>
Barred owl	<i>Strix varia</i>
Barrow's goldeneye	<i>Bucephala islandica</i>
Belted kingfisher	<i>Ceryle alcyon</i>
Black swift	<i>Cypseloides niger</i>
Black tern	<i>Chlidonias niger</i>
Black-backed woodpecker	<i>Picoides arcticus</i>
Black-billed magpie	<i>Pica hudsonia</i>
Black-capped chickadee	<i>Poecile atricapilla</i>
Black-chinned hummingbird	<i>Archilochus alexandri</i>
Black-crowned night-heron	<i>Nycticorax nycticorax</i>
Black-necked stilt	<i>Himantopus mexicanus</i>
Blue grouse	<i>Dendragapus obscurus</i>
Blue-winged teal	<i>Anas discors</i>
Boreal owl	<i>Aegolius funereus</i>
Broad-tailed hummingbird	<i>Selasphorus platycercus</i>
Bufflehead	<i>Bucephala albeola</i>
Burrowing owl	<i>Athene cunicularia</i>
Bushtit	<i>Psaltriparus minimus</i>
California gull	<i>Larus californicus</i>
California quail	<i>Callipepla californica</i>
Calliope hummingbird	<i>Stellula calliope</i>

## Appendix B

Canada goose	<i>Branta canadensis</i>
Canvasback	<i>Aythya valisineria</i>
Caspian tern	<i>Sterna caspia</i>
Cattle egret	<i>Bubulcus ibis</i>
Chestnut-backed chickadee	<i>Poecile rufescens</i>
Chukar	<i>Alectoris chukar</i>
Cinnamon teal	<i>Anas cyanoptera</i>
Clark's grebe	<i>Aechmophorus clarkii</i>
Clark's nutcracker	<i>Nucifraga columbiana</i>
Cliff swallow	<i>Petrochelidon pyrrhonota</i>
Common goldeneye	<i>Bucephala clangula</i>
Common loon	<i>Gavia immer</i>
Common merganser	<i>Mergus merganser</i>
Common nighthawk	<i>Chordeiles minor</i>
Common poorwill	<i>Phalaenoptilus nuttallii</i>
Common raven	<i>Corvus corax</i>
Common snipe	<i>Gallinago gallinago</i>
Cooper's hawk	<i>Accipiter cooperii</i>
Cordilleran flycatcher	<i>Empidonax occidentalis</i>
Double-crested cormorant	<i>Phalacrocorax auritus</i>
Downy woodpecker	<i>Picoides pubescens</i>
Dusky flycatcher	<i>Empidonax oberholseri</i>
Eared grebe	<i>Podiceps nigricollis</i>
Eastern kingbird	<i>Tyrannus tyrannus</i>
Ferruginous hawk	<i>Buteo regalis</i>
Flammulated owl	<i>Otus flammeolus</i>
Forster's tern	<i>Sterna forsteri</i>
Franklin's gull	<i>Larus pipixcan</i>
Gadwall	<i>Anas strepera</i>
Golden eagle	<i>Aquila chrysaetos</i>
Gray flycatcher	<i>Empidonax wrightii</i>
Gray jay	<i>Perisoreus canadensis</i>
Gray partridge	<i>Perdix perdix</i>
Great blue heron	<i>Ardea herodias</i>
Great egret	<i>Ardea alba</i>
Great gray owl	<i>Strix nebulosa</i>
Great horned owl	<i>Bubo virginianus</i>
Greater sage grouse	<i>Centrocercus urophasianus</i>
Green-winged teal	<i>Anas crecca</i>
Hairy woodpecker	<i>Picoides villosus</i>
Hammond's flycatcher	<i>Empidonax hammondii</i>
Hooded merganser	<i>Lophodytes cucullatus</i>
Horned grebe	<i>Podiceps auritus</i>
Horned lark	<i>Eremophila alpestris</i>
Killdeer	<i>Charadrius vociferus</i>
Lesser scaup	<i>Aythya affinis</i>
Lewis' woodpecker	<i>Melanerpes lewis</i>
Long-billed curlew	<i>Numenius americanus</i>
Long-eared owl	<i>Asio otus</i>
Mallard	<i>Anas platyrhynchos</i>

## Appendix B

Merlin	<i>Falco columbarius</i>
Mountain chickadee	<i>Poecile gambeli</i>
Mountain quail	<i>Oreortyx pictus</i>
Mourning dove	<i>Zenaida macroura</i>
Northern flicker	<i>Colaptes auratus</i>
Northern goshawk	<i>Accipiter gentilis</i>
Northern Harrier	<i>Circus cyaneus</i>
Northern pintail	<i>Anas acuta</i>
Northern pygmy-owl	<i>Glaucidium gnoma</i>
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>
Northern saw-whet owl	<i>Aegolius acadicus</i>
Northern shoveler	<i>Anas clypeata</i>
Olive-sided flycatcher	<i>Contopus cooperi</i>
Osprey	<i>Pandion haliaetus</i>
Pacific slope flycatcher (West)	<i>Empidonax difficilis</i>
Peregrine falcon	<i>Falco peregrinus anatum</i>
Pied-billed grebe	<i>Podilymbus podiceps</i>
Pileated woodpecker	<i>Dryocopus pileatus</i>
Prairie falcon	<i>Falco mexicanus</i>
Red-breasted merganser	<i>Mergus serrator</i>
Redhead	<i>Aythya americana</i>
Red-naped sapsucker	<i>Sphyrapicus nuchalis</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>
Ring-billed gull	<i>Larus delawarensis</i>
Ring-necked duck	<i>Aythya collaris</i>
Ring-necked pheasant	<i>Phasianus colchicus</i>
Rock dove	<i>Columba livia</i>
Ruddy duck	<i>Oxyura jamaicensis</i>
Ruffed grouse	<i>Bonasa umbellus</i>
Rufous hummingbird	<i>Selasphorus rufus</i>
Sandhill crane	<i>Grus canadensis</i>
Say's phoebe	<i>Sayornis saya</i>
Sharp-shinned hawk	<i>Accipiter striatus</i>
Sharp-tailed grouse	<i>Tympanuchus phasianellus columbianus</i>
Short-eared owl	<i>Asio flammeus</i>
Snowy egret	<i>Egretta thula</i>
Sora	<i>Porzana carolina</i>
Spotted sandpiper	<i>Actitis macularia</i>
Spruce grouse	<i>Falcapennis canadensis</i>
Steller's jay	<i>Cyanocitta stelleri</i>
Swainson's hawk	<i>Buteo swainsoni</i>
Three-toed woodpecker	<i>Picoides tridactylus</i>
Tree swallow	<i>Tachycineta bicolor</i>
Turkey vulture	<i>Cathartes aura</i>
Upland sandpiper	<i>Bartramia longicauda</i>
Vaux's swift	<i>Chaetura vauxi</i>
Violet-green swallow	<i>Tachycineta thalassina</i>
Virginia rail	<i>Rallus limicola</i>
Western grebe	<i>Aechmophorus occidentalis</i>
Western kingbird	<i>Tyrannus verticalis</i>

## Appendix B

Western screech-owl	<i>Otus kennicottii</i>
Western wood-pewee	<i>Contopus sordidulus</i>
White-faced ibis	<i>Plegadis chihi</i>
White-headed woodpecker	<i>Picoides albolarvatus</i>
White-throated swift	<i>Aeronautes saxatalis</i>
Wild turkey	<i>Meleagris gallopavo</i>
Willet	<i>Catoptrophorus semipalmatus</i>
Williamson's sapsucker	<i>Sphyrapicus thyroideus</i>
Willow flycatcher	<i>Empidonax traillii</i>
Wilson's phalarope	<i>Phalaropus tricolor</i>
Wood duck	<i>Aix sponsa</i>
Yellow-billed cuckoo	<i>Coccyzus americanus</i>

### Mammals

American badger	<i>Taxidea taxus</i>
American beaver	<i>Castor canadensis</i>
American black bear	<i>Ursus americanus</i>
American marten	<i>Martes americana</i>
American mink	<i>Mustela vison</i>
American pika	<i>Ochotona princeps</i>
Belding's ground squirrel	<i>Spermophilus beldingi</i>
Big brown bat	<i>Eptesicus fuscus</i>
Bighorn sheep	<i>Ovis canadensis</i>
Black-tailed jack rabbit	<i>Lepus californicus</i>
Bobcat	<i>Lynx rufus</i>
Bushy-tailed woodrat	<i>Neotoma cinerea</i>
California myotis	<i>Myotis californicus</i>
Canada lynx	<i>Lynx canadensis</i>
Canyon mouse	<i>Peromyscus crinitus</i>
Chisel-toothed kangaroo rat	<i>Dipodomys microps</i>
Cinereus (masked) shrew	<i>Sorex cinereus</i>
Coast mole	<i>Scapanus orarius</i>
Columbian ground squirrel	<i>Spermophilus columbianus</i>
Coyote	<i>Canis latrans</i>
Deer mouse	<i>Peromyscus maniculatus</i>
Desert woodrat	<i>Neotoma lepida</i>
Dwarf shrew	<i>Sorex nanus</i>
Elk	<i>Cervus elaphus</i>
Ermine	<i>Mustela erminea</i>
Fisher	<i>Martes pennanti</i>
Fox squirrel	<i>Sciurus niger</i>
Fringed myotis	<i>Myotis thysanodes</i>
Golden-mantled ground squirrel	<i>Spermophilus lateralis</i>
Great basin pocket mouse	<i>Perognathus parvus</i>
Hoary bat	<i>Lasiurus cinereus</i>
Hoary marmot	<i>Marmota caligata</i>
House mouse	<i>Mus musculus</i>
Idaho ground squirrel	<i>Spermophilus brunneus</i>
Least chipmunk	<i>Tamias minimus</i>
Little brown bat	<i>Myotis lucifugus</i>
Long-eared myotis	<i>Myotis evotis</i>

## Appendix B

Long-legged myotis	<i>Myotis volans</i>
Long-tailed vole	<i>Microtus longicaudus</i>
Long-tailed weasel	<i>Mustela frenata</i>
Meadow vole	<i>Microtus pennsylvanicus</i>
Merriam's shrew	<i>Sorex merriami</i>
Montane (dusky) shrew	<i>Sorex monticolus</i>
Montane vole	<i>Microtus montanus</i>
Moose	<i>Alces alces</i>
Mountain goat	<i>Oreamnos americanus</i>
Mountain lion	<i>Puma concolor</i>
Mule deer	<i>Odocoileus hemionus</i>
Muskrat	<i>Ondatra zibethicus</i>
North American porcupine	<i>Erethizon dorsatum</i>
Northern flying squirrel	<i>Glaucomys sabrinus</i>
Northern grasshopper mouse	<i>Onychomys leucogaster</i>
Northern pocket gopher	<i>Thomomys talpoides</i>
Northern raccoon	<i>Procyon lotor</i>
Northern river otter	<i>Lontra canadensis</i>
Norway rat	<i>Rattus norvegicus</i>
Nuttall's (mountain) cottontail	<i>Sylvilagus nuttallii</i>
Ord's kangaroo rat	<i>Dipodomys ordii</i>
Pallid bat	<i>Antrozous pallidus</i>
Pinyon mouse	<i>Peromyscus truei</i>
Pronghorn	<i>Antilocapra americana</i>
Pygmy rabbit	<i>Brachylagus idahoensis</i>
Red fox	<i>Vulpes vulpes</i>
Red squirrel	<i>Tamiasciurus hudsonicus</i>
Sagebrush vole	<i>Lemmiscus curtatus</i>
Silver-haired bat	<i>Lasionycteris noctivagans</i>
Snowshoe hare	<i>Lepus americanus</i>
Southern red-backed vole	<i>Clethrionomys gapperi</i>
Spotted bat	<i>Euderma maculatum</i>
Striped skunk	<i>Mephitis mephitis</i>
Townsend's big-eared bat	<i>Corynorhinus townsendii</i>
Townsend's pocket gopher	<i>Thomomys townsendii</i>
Vagrant shrew	<i>Sorex vagrans</i>
Water shrew	<i>Sorex palustris</i>
Water vole	<i>Microtus richardsoni</i>
Western harvest mouse	<i>Reithrodontomys megalotis</i>
Western heather vole	<i>Phenacomys intermedius</i>
Western jumping mouse	<i>Zapus princeps</i>
Western pipistrelle	<i>Pipistrellus hesperus</i>
Western small-footed myotis	<i>Myotis ciliolabrum</i>
Western spotted skunk	<i>Spilogale gracilis</i>
White-tailed antelope squirrel	<i>Ammospermophilus leucurus</i>
White-tailed deer	<i>Odocoileus virginianus</i>
White-tailed jack rabbit	<i>Lepus townsendii</i>
Wolverine	<i>Gulo gulo</i>
Yellow-bellied marmot	<i>Marmota flaviventris</i>
Yellow-pine chipmunk	<i>Tamias amoenus</i>

## Appendix B

Yuma myotis	<i>Myotis yumanensis</i>
	<b>Reptiles</b>
Common garter snake	<i>Thamnophis sirtalis</i>
Desert horned lizard	<i>Phrynosoma platyrhinos</i>
Gopher snake	<i>Pituophis melanoleucus</i>
Longnose leopard lizard	<i>Gambelia wislizenii</i>
Longnose snake	<i>Rhinocheilus lecontei</i>
Mojave black-collared lizard	<i>Crotaphytus bicinctores</i>
Night snake	<i>Hypsiglena torquata</i>
Pygmy short-horned lizard	<i>Phrynosoma douglasii</i>
Racer	<i>Coluber constrictor</i>
Rubber boa	<i>Charina bottae</i>
Sagebrush lizard	<i>Sceloporus graciosus</i>
Side-blotched lizard	<i>Uta stansburiana</i>
Striped whipsnake	<i>Masticophis taeniatus</i>
Western fence lizard	<i>Sceloporus occidentalis</i>
Western ground snake	<i>Sonora semiannulata</i>
Western rattlesnake	<i>Crotalus viridis</i>
Western skink	<i>Eumeces skiltonianus</i>
Western terrestrial garter snake	<i>Thamnophis elegans</i>
Western whiptail	<i>Cnemidophorus tigris</i>