

Table 1--Common and scientific names of 173 terrestrial vertebrate species of focus brought forward for additional analysis, and the associated criteria by which each species was selected

Class ^a	Common name	Scientific name	Scale ^b	Criteria										
				<90H ^c	<90C ^d	<90A ^e	EIS SIG ^f	Fine ^g	NRDC ^h	G1G2 ⁱ	Adjust ^l	Add ^k		
R	Mojave black-collared lizard	<u>Crotaphytus bicinctores</u>	BS			X								
R	Longnose leopard lizard	<u>Gambelia wislizenii</u>	BS	X	X	X								
R	Sharptail snake	<u>Contia tenuis</u>	BS	X	X	X	X						X	
R	Striped whipsnake	<u>Masticophis taeniatus</u>	BS	X	X	X								
R	California mountain kingsnake	<u>Lampropeltis zonata</u>	BS						X					
R	Longnose snake	<u>Rhinocheilus lecontei</u>	BS						X					
R	Ground snake	<u>Sonora semiannulata</u>	BS						X					
B	Northern goshawk	<u>Accipiter gentilis</u>	BS		X	X					X			
B	Ferruginous hawk	<u>Buteo regalis</u>	BS		X	X	X							
B	Blue grouse	<u>Dendrogapus obscurus</u>	BS											X
B	Sage grouse	<u>Centrocercus urophasianus</u>	BS		X	X	X							
B	Columbian sharp-tailed grouse	<u>Tympanuchus phasianellus columbianus</u>	BS		X	X	X							
B	Mountain quail	<u>Oreortyx pictus</u>	BS	X	X	X								
B	Flammulated owl	<u>Otus flammeolus</u>	BS		X	X	X				X			
B	Burrowing owl	<u>Athene cucularia</u>	BS		X	X								
B	Great gray owl	<u>Strix nebulosa</u>	BS	X	X	X	X				X			
B	Long-eared owl	<u>Asio otus</u>	BS	X	X	X								
B	Short-eared owl	<u>Asio flammeus</u>	BS											X
B	Boreal owl	<u>Aegolius funereus</u>	BS	X	X	X	X							
B	Vaux's swift	<u>Chaetura vauxi</u>	BS	X	X	X	X				X		X	
B	Rufous hummingbird	<u>Selasphorus rufus</u>	BS			X	X							X
B	Black-chinned hummingbird	<u>Archilochus alexandri</u>	BS			X								
B	Broad-tailed hummingbird	<u>Selasphorus platycercus</u>	BS		X	X								
B	Lewis' woodpecker	<u>Melanerpes lewis</u>	BS		X	X	X							
B	Williamson's sapsucker	<u>Sphyrapicus thyroideus</u>	BS		X	X	X							
B	White-headed woodpecker	<u>Picoides albolarvatus</u>	BS		X	X	X				X		X	
B	Three-toed woodpecker	<u>Picoides tridactylus</u>	BS			X	X				X			

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B	Black rosy finch	<u>Leucosticte arctoa</u>	BS	X	X	X							
B	Gray-crowned rosy finch	<u>Leucosticte tephrocotis</u>	BS	X	X	X							
B	White-winged crossbill	<u>Loxia leucoptera</u>	BS			X							
B	Pine siskin	<u>Carduelis pinus</u>	BS										X
M	Preble's shrew	<u>Sorex preblei</u>	BS						X				
M	Pygmy shrew	<u>Sorex hoyi</u>	BS						X				
M	Yuma myotis	<u>Myotis yumanensis</u>	BS						X				
M	Long-eared myotis	<u>Myotis evotis</u>	BS		X	X						X	
M	Fringed myotis	<u>Myotis thysanodes</u>	BS		X	X	X					X	
M	Long-legged myotis	<u>Myotis volans</u>	BS		X	X	X					X	
M	Western small-footed myotis	<u>Myotis ciliolabrum</u>	BS		X	X	X					X	
M	Silver-haired bat	<u>Lasionycteris noctivagans</u>	BS		X	X	X					X	
M	Hoary bat	<u>Lasiurus cinereus</u>	BS		X	X	X					X	
M	Spotted bat	<u>Euderma maculatum</u>	BS	X	X	X						X	
M	Townsend's big-eared bat	<u>Corynorhinus townsendii pallescens</u>	BS	X	X	X						X	
M	Pallid bat	<u>Antrozous pallidus</u>	BS										X
M	Pygmy rabbit	<u>Brachylagus idahoensis</u>	BS	X	X	X							
M	Idaho ground squirrel	<u>Spermophilus brunneus</u>	BS						X				
M	White-tailed antelope squirrel	<u>Ammospermophilus leucurus</u>	BS						X				
M	Washington ground squirrel	<u>Spermophilus washingtoni</u>	BS						X		G2		
M	Wyoming ground squirrel	<u>Spermophilus elegans</u>	BS										X
M	Uinta ground squirrel	<u>Spermophilus armatus</u>	BS						X				
M	Western gray squirrel	<u>Sciurus griseus</u>	BS						X				
M	Northern flying squirrel	<u>Glaucomys sabrinus</u>	BS		X	X	X					X	
M	Sagebrush vole	<u>Lemmiscus curtatus</u>	BS										X
M	Gray wolf	<u>Canis lupus</u>	BS										X
M	Kit fox	<u>Vulpes macrotis</u>	BS						X				
M	Grizzly bear	<u>Ursus arctos</u>	BS		X	X							

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				<90H ^c	<90C ^d	<90A ^e	EIS SIG ^f	Fine ^g	NRDC ^h	G1G2 ⁱ	Adjust ^j	Add ^k	
M	American marten	<u>Martes americana</u>	BS		X	X	X		X			X	
M	Fisher	<u>Martes pennanti</u>	BS	X	X	X	X		X			X	
M	Wolverine	<u>Gulo gulo</u>	BS		X	X			X			X	
M	Lynx	<u>Lynx canadensis</u>	BS		X	X			X			X	
M	Woodland caribou	<u>Rangifer tarandus caribou</u>	BS	X	X	X							
M	Pronghorn	<u>Antilocapra americana</u>	BS		X	X	X					X	
M	Mountain goat	<u>Oreamnos americanus</u>	BS										X
M	California bighorn sheep	<u>Ovis canadensis californiana</u>	BS	X	X	X							
M	Rocky Mountain bighorn sheep	<u>Ovis canadensis canadensis</u>	BS										X
A	Coeur d'alene salamander	<u>Plethodon idahoensis</u>	FS	X	X	X						X	
A	Larch mountain salamander	<u>Plethodon larselli</u>	FS						X		G2		
A	Idaho giant salamander	<u>Dicamptodon aterrimus</u>	FS						X				
A	Tailed frog	<u>Ascaphus truei</u>	FS	X	X	X	X						
A	Western toad	<u>Bufo boreas</u>	FS		X	X	X					X	
A	Woodhouse's toad	<u>Bufo woodhousii</u>	FS	X	X	X	X						
A	Northern leopard frog	<u>Rana pipiens</u>	FS	X	X	X	X					X	
A	Columbian spotted frog	<u>Rana luteiventris</u>	FS	X	X	X						X	
A	Oregon spotted frog	<u>Rana pretiosa</u>	FS		X	X						X	
R	Western pond turtle	<u>Clemmys marmorata</u>	FS			X							
R	Painted turtle	<u>Chrysemys picta</u>	FS			X	X						
R	Rubber boa	<u>Charina bottae</u>	FS	X	X	X	X						
R	Common garter snake	<u>Thamnophis sirtalis</u>	FS			X	X						
B	Common loon	<u>Gavia immer</u>	FS	X	X	X							
B	Red-necked grebe	<u>Podiceps grisegena</u>	FS	X	X	X							
B	Western grebe	<u>Aechmophorus occidentalis</u>	FS	X	X	X							
B	Clark's grebe	<u>Aechmophorus clarkii</u>	FS	X	X	X							
B	American white pelican	<u>Pelecanus erythrorhynchos</u>	FS	X	X	X							
B	American bittern	<u>Botaurus lentiginosus</u>	FS	X	X	X							

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B	Western least bittern	<u>Ixobrychus exilis hesperis</u>	FS	X	X	X							
B	Great blue heron	<u>Ardea herodias</u>	FS	X	X	X							
B	Great egret	<u>Casmerodius albus</u>	FS	X	X	X							
B	Snowy egret	<u>Egretta thula</u>	FS	X	X	X							
B	Black-crowned night heron	<u>Nycticorax nycticorax</u>	FS	X	X	X							
B	White-faced ibis	<u>Plegadis chihi</u>	FS	X	X	X							
B	Trumpeter swan	<u>Cygnus buccinator</u>	FS	X	X	X							
B	Wood duck	<u>Aix sponsa</u>	FS	X	X	X							
B	Green-winged teal	<u>Anas crecca</u>	FS		X	X							
B	Mallard	<u>Anas platyrhynchos</u>	FS		X	X							
B	Northern pintail	<u>Anas acuta</u>	FS		X	X							
B	Blue-winged teal	<u>Anas discors</u>	FS		X	X							
B	Cinnamon teal	<u>Anas cyanoptera</u>	FS		X	X							
B	Northern shoveler	<u>Anas clypeata</u>	FS		X	X							
B	Gadwall	<u>Anas strepera</u>	FS		X	X							
B	American wigeon	<u>Anas americana</u>	FS		X	X							
B	Canvasback	<u>Aythya valisineria</u>	FS	X	X	X							
B	Redhead	<u>Aythya americana</u>	FS	X	X	X							
B	Ring-necked duck	<u>Aythya collaris</u>	FS	X	X	X							
B	Lesser scaup	<u>Aythya affinis</u>	FS	X	X	X							
B	Harlequin duck	<u>Histrionicus histrionicus</u>	FS	X	X	X	X						
B	Common goldeneye	<u>Bucephala clangula</u>	FS	X	X	X							
B	Barrow's goldeneye	<u>Bucephala islandica</u>	FS	X	X	X							
B	Bufflehead	<u>Bucephala albeola</u>	FS	X	X	X							
B	Hooded merganser	<u>Lophodytes cucullatus</u>	FS	X	X	X							
B	Common merganser	<u>Mergus merganser</u>	FS	X	X	X							
B	Ruddy duck	<u>Oxyura jamaicensis</u>	FS	X	X	X							
B	Bald eagle	<u>Haliaeetus leucocephalus</u>	FS		X	X	X						

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B	Yellow rail	<u>Coturnicops noveboracensis</u>	FS					X					
B	Virginia rail	<u>Rallus limicola</u>	FS	X	X	X							
B	Sora	<u>Porzana carolina</u>	FS	X	X	X							
B	Greater sandhill crane	<u>Grus canadensis tabida</u>	FS	X	X	X							
B	Western snowy plover	<u>Charadrius alexandrinus nivosus</u>	FS	X	X	X							
B	Black-necked stilt	<u>Himantopus mexicanus</u>	FS	X	X	X							
B	American avocet	<u>Recurvirostra americana</u>	FS	X	X	X							
B	Willet	<u>Catoptrophorus semipalmatus</u>	FS	X	X	X							
B	Spotted sandpiper	<u>Actitis macularia</u>	FS										X
B	Upland sandpiper	<u>Bartramia longicauda</u>	FS		X	X							
B	Long-billed curlew	<u>Numenius americanus</u>	FS	X	X	X							
B	Common snipe	<u>Gallinago gallinago</u>	FS		X	X							
B	Wilson's phalarope	<u>Phalaropus tricolor</u>	FS										X
B	Forster's tern	<u>Sterna forsteri</u>	FS	X	X	X							
B	Black tern	<u>Chlidonias niger</u>	FS	X	X	X							
B	Yellow-billed cuckoo	<u>Coccyzus americanus</u>	FS	X	X	X							
B	Western screech owl	<u>Otus kennicottii</u>	FS			X							
B	Red-naped sapsucker	<u>Sphyrapicus nuchalis</u>	FS		X	X	X						
B	Downy woodpecker	<u>Picoides pubescens</u>	FS			X	X						
B	Willow flycatcher	<u>Empidonax traillii</u>	FS		X	X							
B	Least flycatcher	<u>Empidonax minimus</u>	FS						X				
B	Veery	<u>Catharus fuscescens</u>	FS		X	X							
B	Red-eyed vireo	<u>Vireo olivaceus</u>	FS	X	X	X							
B	Virginia's warbler	<u>Vermivora virginiae</u>	FS										X
B	Yellow warbler	<u>Dendroica petechia</u>	FS		X	X							
B	American redstart	<u>Setophaga ruticilla</u>	FS										X
B	Wilson's warbler	<u>Wilsonia pusilla</u>	FS	X	X	X							
B	Yellow-breasted chat	<u>Icteria virens</u>	FS		X	X							

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B	Fox sparrow	<u>Passerella iliaca</u>	FS										X
B	Bobolink	<u>Dolichonyx oryzivorus</u>	FS	X	X	X							
B	Tricolored blackbird	<u>Agelaius tricolor</u>	FS						X				
B	Brewer's blackbird	<u>Euphagus cyanocephalus</u>	FS										X
M	Water shrew	<u>Sorex palustris</u>	FS						X				
M	Water vole	<u>Microtus richardsoni</u>	FS										X
M	Northern bog lemming	<u>Synaptomys borealis</u>	FS						X				

^a B = bird; M = mammal; R = reptile; and A = amphibian.

^b BS: Broad-scale species of focus assessed in this paper. Ninety-one species were identified as broad-scale vertebrates of focus, whose source habitats could reliably be evaluated by using a mapping unit (pixel size) of 100 hectares (254 acres). FS: Fine-scale species of focus, whose source habitats require mapping units <100 hectares (254 acres).

^c <90H: Habitat outcome score (from Lehmkuhl and others 1997) <90 points in the added scores of outcomes 1, 2, and 3 for the historical time period, BLM and FS lands only.

^d <90C: Habitat outcome score (from Lehmkuhl and others 1997) <90 points in the added scores of outcomes 1, 2, and 3 for the current time period, BLM and FS lands only.

^e <90A: Habitat outcome score (from Lehmkuhl and others 1997) <90 points in the added scores of outcomes 1, 2, and 3 for any of the seven alternatives (BLM and FS lands only) described in either the draft eastside EIS (USDA Forest Service, USDI Bureau of Land Management 1997a) or draft upper Columbia River basin EIS (USDA Forest Service, USDI Bureau of Land Management 1997b).

^f EIS SIG: The weighted mean viability outcome score in any one of the alternatives (BLM and FS lands only) increased by more than 0.5 points from the current outcome score, a significant change according to the EIS teams.

^g Fine: Species for which Lehmkuhl and others (1997) did not complete an analysis for the viability assessment because of the restricted distribution of these species within the basin. These species ranges are predominately outside the basin.

^h NRDC: Species that were the subject of the petition filed by the Natural Resources Defense Council with the Regional Forester, Pacific Northwest Region, USDA Forest Service, on March 30, 1993.

ⁱ G1G2: Species listed by the Natural Heritage program as Global Rank 1 or Global Rank 2.

^j Adjust: Species for which panelists' scores were adjusted by the science team (Lehmkuhl and others 1997). Scores were adjusted when considered to reflect a misinterpretation or incomplete understanding of the management alternatives or their outcomes, or the species' ecology.

^k Add: Species added by terrestrial habitat panelists (vol. 3, appendix 2) during September 1997 due to concerns about habitat or population status. Some of these species were not evaluated in the prior viability assessment by Lehmkuhl and others (1997).