

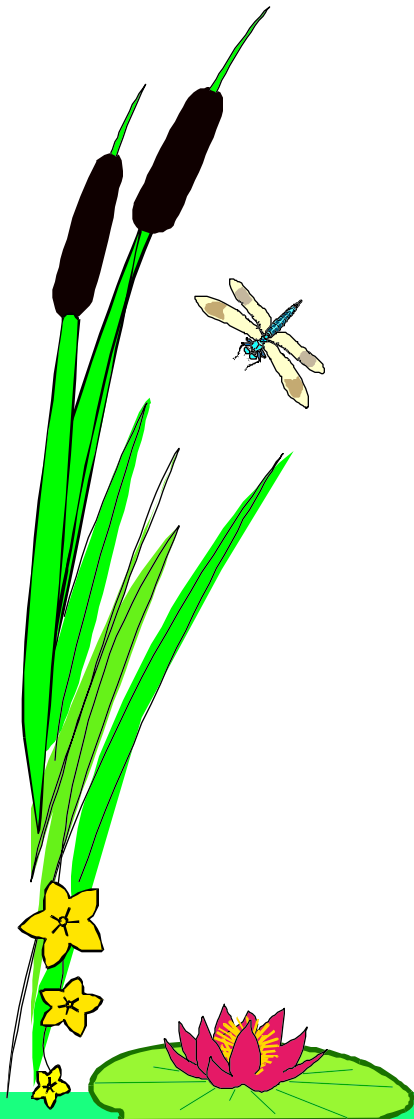
# Appendix 2-1

## Terrestrial and Aquatic Species

*(Comparable to UCRB Appendix E and Appendix J)*

*This appendix includes the following:*

- *Tables*
  - *Threatened, endangered, and candidate species in the Eastside planning area.*
  - *Vascular plant species analyzed by the Science Integration Team.*
  - *Vertebrate species analyzed by the Science Integration Team.*
  - *Sensitive Species*
- *Maps*
  - *Borax Lake chub and Hutton Tui chub distribution*
  - *Foskett speckled dace and shortnose sucker distribution*
  - *Lost River sucker and Warner sucker distribution*
  - *Lahontan cutthroat trout distribution.*
  - *Snake River salmon high priority watersheds.*
  - *Critical habitat for Snake River spring, summer, and fall chinook salmon and Snake River Sockeye Salmon.*
  - *Grizzly bear recovery zones*



**Table 1. Threatened, Endangered, Proposed, or Candidate Species in Oregon and Washington.**

	Approved Recovery Plan	Designated Critical Habitat
<b>Threatened (12 spp)</b>		
Bald eagle	Yes	No
Northern spotted owl	No	Yes
Marbled murrelet	No	No
Warner sucker	No	Yes
Hutton Spring tui chub	No	No
Lahontan cutthroat trout	Yes	No
Foskett speckled dace	No	No
Snake River Chinook salmon (spring/summer)	No	Yes
Snake River Chinook salmon (fall)	No	Yes
Grizzly bear	Yes	No
Water howellia	No	No
MacFarlane's four o'clock	Yes	Yes
<b>Endangered (9 spp)</b>		
Peregrine falcon	Yes	No
Shortnose sucker	No	No
Lost River sucker	No	No
Borax Lake chub	Yes	Yes
Snake River sockeye salmon	No	No
Woodland caribou	Yes	No
Gray wolf	Yes	No
Applegate's milk-vetch	No	No
Malheur wire-lettuce	No	No
<b>Candidate (5 spp)</b>		
Spotted frog	No	No
Bull trout	No	No
Howell's spectacular thelypody	No	No
Basalt daisy	No	No
Oregon checkermallow	No	No
<b>Proposed (1 spp)</b>		
Steelhead	No	No

This table is current as of March 15, 1997

**Table 2. Vascular Plant Species Used in the Evaluation of Alternatives for the Eastside Planning Area.**

<b>Scientific Name</b>	<b>Common Name</b>
<i>Astragalus mulfordiae</i>	Mulford's milk-vetch
<i>Astragalus solitarius</i>	Solitary milk-vetch
<i>Botrychium ascendens</i>	Upswept moonwort
<i>Botrychium crenulatum</i>	Dainty moonwort
<i>Botrychium paradoxum</i>	Paradox moonwort
<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i>	Long-bearded mariposa lily
<i>Calochortus longebarbatus</i> var. <i>peckii</i>	Peck's mariposa lily
<i>Calochortus nitidus</i>	Broadfruit mariposa lily
<i>Castilleja chlorotica</i>	Green-tinged indian paintbrush
<i>Collomia mazama</i>	Mazama collomia
<i>Cypripedium fasciculatum</i>	Clustered ladyslipper
<i>Hackelia cronquistii</i>	Cronquist's stickseed
<i>Howellia aquatilis</i>	Water howellia
<i>Lomatium suksdorfii</i>	Suksdorf's biscuitroot
<i>Mirabilis macfarlanei</i>	MacFarlane's four-o'clock
<i>Mimulus pygmaeus</i>	Pygmy monkeyflower
<i>Mimulus washingtonensis</i> var. <i>washingtonensis</i>	Washington monkeyflower
<i>Penstemon glaucinus</i>	Blue-leaved penstemon
<i>Polemonium pectinatum</i>	Washington polemonium
<i>Silene spaldingii</i>	Spalding's catchfly
<i>Stephanomeria malheurensis</i>	Malheur wire-lettuce
<i>Trifolium thompsonii</i>	Thompson's clover

**Table 3. Terrestrial Vertebrate Species Used in the Evaluation of Alternatives for the Eastside Planning Area.**

Common Name	Scientific Name	Evaluation <sup>1</sup>
<b>AMPHIBIANS</b>		
Western toad	<i>Bufo boreas</i>	HER
Woodhouse's toad	<i>Bufo woodhousii</i>	HER
Tailed frog	<i>Ascaphus truei</i>	HER
Northern leopard frog	<i>Rana pipiens</i>	HER
Columbian spotted frog	<i>Rana luteiventris</i>	HER
Oregon spotted frog	<i>Rana pretiosa</i>	HER
<b>BIRDS</b>		
Common loon	<i>Gavia immer</i>	WAT
Clark's grebe	<i>Aechmophorus clarkii</i>	WAT
Red-necked grebe	<i>Podiceps grisegena</i>	WAT
Western grebe	<i>Aechmophorus occidentalis</i>	WAT
American white pelican	<i>Pelecanus erythrorhynchos</i>	WAT
American bittern	<i>Botaurus lentiginosus</i>	WAT
Black-crowned night heron	<i>Nycticorax nycticorax</i>	WAT
Great blue heron	<i>Ardea herodias</i>	WAT
Great egret	<i>Casmerodius albus</i>	WAT
Snowy egret	<i>Egretta thula</i>	WAT
Western least bittern	<i>Ixobrychus exilis hesperis</i>	WAT
White-faced ibis	<i>Plegadis chihi</i>	WAT
American wigeon	<i>Anas americana</i>	WAT
Barrow's goldeneye	<i>Bucephala islandica</i>	WAT
Blue-winged teal	<i>Anas discors</i>	WAT
Bufflehead	<i>Bucephala albeola</i>	WAT
Canvasback	<i>Aythya valisineria</i>	WAT
Cinnamon teal	<i>Anas cyanoptera</i>	WAT
Common goldeneye	<i>Bucephala clangula</i>	WAT
Common merganser	<i>Mergus merganser</i>	WAT
Gadwall	<i>Anas strepera</i>	WAT
Green-winged teal	<i>Anas crecca</i>	WAT
Harlequin duck	<i>Histrionicus histrionicus</i>	WAT
Hooded merganser	<i>Lophodytes cucullatus</i>	WAT
Lesser scaup	<i>Aythya affinis</i>	WAT
Mallard	<i>Anas platyrhynchos</i>	WAT
Northern pintail	<i>Anas acuta</i>	WAT
Northern shoveler	<i>Anas clypeata</i>	WAT
Redhead	<i>Aythya americana</i>	WAT
Ring-necked duck	<i>Aythya collaris</i>	WAT
Ruddy duck	<i>Oxyura jamaicensis</i>	WAT
Wood duck	<i>Aix sponsa</i>	WAT
Sora	<i>Porzana carolina</i>	WAT
Virginia rail	<i>Rallus limicola</i>	WAT
Greater sandhill crane	<i>Grus canadensis tabida</i>	WAT
Black-bellied plover	<i>Pluvialis squatarola</i>	WAT
Semipalmated plover	<i>Charadrius semipalmatus</i>	WAT
Western snowy plover	<i>Charadrius alexandrinus hivosus</i>	WAT
American avocet	<i>Recurvirostra americana</i>	WAT
Black-necked stilt	<i>Himantopus mexicanus</i>	WAT
Baird's sandpiper	<i>Calidris bairdii</i>	WAT
Common snipe	<i>Gallinago gallinago</i>	WAT
Dunlin	<i>Calidras alpina</i>	WAT

Common Name	Scientific Name	Evaluation <sup>1</sup>
Greater yellowlegs	<i>Tringa melanoleuca</i>	WAT
Least sandpiper	<i>Calidris minutilla</i>	WAT
Lesser yellowlegs	<i>Tringa flavipes</i>	WAT
Long-billed curlew	<i>Numenius americanus</i>	WAT
Long-billed dowitcher	<i>Limnodromus scolopaceus</i>	WAT
Marbled godwit	<i>Limosa fedoa</i>	WAT
Pectoral sandpiper	<i>Calidris melanotos</i>	WAT
Red-necked phalarope	<i>Phalaropus lobatus</i>	WAT
Sanderling	<i>Calidris alba</i>	WAT
Semipalmated sandpiper	<i>Calidris pusilla</i>	WAT
Spotted sandpiper	<i>Actitis macularia</i>	WAT
Upland sandpiper	<i>Bartramia longicauda</i>	WAT
Western sandpiper	<i>Calidris mauri</i>	WAT
Willet	<i>Catoptrophorus semipalmatus</i>	WAT
Wilson's phalarope	<i>Phalaropus tricolor</i>	WAT
Black tern	<i>Chlidonias niger</i>	WAT
California gull	<i>Larus californicus</i>	WAT
Forster's tern	<i>Sterna forsteri</i>	WAT
Ring-billed gull	<i>Larus delawarensis</i>	WAT
Bald eagle	<i>Haliaeetus leucocephalus</i>	RGB
Cooper's hawk	<i>Accipiter cooperii</i>	RGB
Ferruginous hawk	<i>Buteo regalis</i>	RGB
Northern goshawk	<i>Accipiter gentilis</i>	RGB
Swainson's hawk	<i>Buteo swainsoni</i>	RGB
Merlin	<i>Falco columbarius</i>	RGB
Blue grouse	<i>Dendragapus obscurus</i>	RGB
Columbian sharp-tailed grouse	<i>Tympanuchus phasianellus columbianus</i>	RGB
Mountain quail	<i>Oreortyx pictus</i>	RGB
Sage grouse	<i>Centrocercus urophasianus</i>	RGB
Band-tailed pigeon	<i>Columba fasciata</i>	RGB
Barred owl	<i>Strix varia</i>	RGB
Boreal owl	<i>Aegolius funereus</i>	RGB
Burrowing owl	<i>Athene cunicularia</i>	RGB
Flammulated owl	<i>Otus flammeolus</i>	RGB
Great gray owl	<i>Strix nebulosa</i>	RGB
Long-eared owl	<i>Asio otus</i>	RGB
Northern pygmy-owl	<i>Glaucidium gnoma</i>	RGB
Northern saw-whet owl	<i>Aegolius acadicus</i>	RGB
Western screech owl	<i>Otus kennicottii</i>	RGB
Chestnut-backed chickadee	<i>Parus rufescens</i>	CAV
Vaux's swift	<i>Chaetura vauxi</i>	CAV
Black-backed woodpecker	<i>Picoides arcticus</i>	CAV
Downy woodpecker	<i>Picoides pubescens</i>	CAV
Hairy woodpecker	<i>Picoides villosus</i>	CAV
Lewis' woodpecker	<i>Melanerpes lewis</i>	CAV
Pileated woodpecker	<i>Dryocopus pileatus</i>	CAV
Red-naped sapsucker	<i>Sphyrapicus nuchalis</i>	CAV
Three-toed woodpecker	<i>Picoides tridactylus</i>	CAV
White-headed woodpecker	<i>Picoides albolarvatus</i>	CAV
Williamson's sapsucker	<i>Sphyrapicus thyroideus</i>	CAV
Pygmy nuthatch	<i>Sitta pygmaea</i>	CAV
White-breasted nuthatch	<i>Sitta carolinensis</i>	CAV
Black-chinned hummingbird	<i>Archilochus alexandri</i>	PAS
Rufous hummingbird	<i>Selasphorus rufus</i>	PAS
Ash-throated flycatcher	<i>Myiarchus cinerascens</i>	PAS
Hammond's flycatcher	<i>Empidonax hammondii</i>	PAS
Olive-sided flycatcher	<i>Contopus borealis</i>	PAS

**Table 3. Vertebrate Species in the Eastside Planning Area Used in the Evaluation of Alternatives (continued).**

Common Name	Scientific Name	Evaluation <sup>1</sup>
<b>BIRDS (continued)</b>		
Willow flycatcher	<i>Empidonax traillii</i>	PAS
Horned lark	<i>Eremophila alpestris</i>	PAS
Bushtit	<i>Psaltriparus minimus</i>	PAS
Winter wren	<i>Troglodytes troglodytes</i>	PAS
Veery	<i>Catharus fuscescens</i>	PAS
Western bluebird	<i>Sialia mexicana</i>	PAS
Sage thrasher	<i>Oreoscoptes montanus</i>	PAS
Loggerhead shrike	<i>Lanius ludovicianus</i>	PAS
Red-eyed vireo	<i>Vireo olivaceus</i>	PAS
Bobolink	<i>Dolichonyx oryzivorus</i>	PAS
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	PAS
Brewer's sparrow	<i>Spizella breweri</i>	PAS
Chipping sparrow	<i>Spizella passerina</i>	PAS
Grasshopper sparrow	<i>Ammodramus savannarum</i>	PAS
Green-tailed towhee	<i>Pipilo chlorurus</i>	PAS
Lark sparrow	<i>Chondestes grammacus</i>	PAS
Lazuli bunting	<i>Passerina amoena</i>	PAS
Red-winged blackbird	<i>Agelaius phoeniceus</i>	PAS
Rufous-sided towhee	<i>Pipilo erythrophthalmus</i>	PAS
Sage sparrow	<i>Amphispiza belli</i>	PAS
Vesper sparrow	<i>Poocetes gramineus</i>	PAS
Western meadowlark	<i>Sturnella neglecta</i>	PAS
Western tanager	<i>Piranga ludoviciana</i>	PAS
White-winged crossbill	<i>Loxia leucoptera</i>	PAS
Wilson's warbler	<i>Wilsonia pusilla</i>	PAS
White-winged crossbill	<i>Loxia leucoptera</i>	PAS
Yellow warbler	<i>Dendroica petechia</i>	PAS
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	PAS
Yellow-breasted chat	<i>Icteria virens</i>	PAS
Black rosy finch	<i>Leucosticte atrata</i>	PAS
<b>MAMMALS</b>		
Fringed myotis	<i>Myotis thysanodes</i>	BSM
Hoary bat	<i>Lasiurus cinereus</i>	BSM
Long-eared myotis	<i>Myotis evotis</i>	BSM
Long-legged myotis	<i>Myotis volans</i>	BSM
Pale western big-eared bat	<i>Corynorhinus (Plecotus) townsendii pallescens</i>	BSM
Silver-haired bat	<i>Lasionycteris noctivagans</i>	BSM
Spotted bat	<i>Euderma maculatum</i>	BSM
Western small-footed myotis	<i>Myotis ciliolabrum</i>	BSM
Pygmy rabbit	<i>Brachylagus idahoensis</i>	BSM
White-tailed jackrabbit	<i>Lepus townsendii</i>	BSM
Northern flying squirrel	<i>Glaucomys sabrinus</i>	BSM
Gray wolf	<i>Canis lupus</i>	C&U
Grizzly bear	<i>Ursus arctos</i>	C&U
American marten	<i>Martes americana</i>	C&U
Fisher	<i>Martes pennanti</i>	C&U
Wolverine	<i>Gulo gulo</i>	C&U
Lynx	<i>Lynx lynx</i>	C&U

Common Name	Scientific Name	Evaluation <sup>1</sup>
Woodland caribou	<i>Rangifer tarandus caribou</i>	C&U
Pronghorn	<i>Antilocapra americana</i>	C&U
California bighorn sheep	<i>Ovis canadensis californiana</i>	C&U
<b>REPTILES</b>		
Painted turtle	<i>Chrysemys picta</i>	HER
Western pond turtle	<i>Clemmys marmorata</i>	HER
Desert horned lizard	<i>Phrynosoma platyrhinos</i>	HER
Longnose leopard lizard	<i>Gambelia wislizenii</i>	HER
Sagebrush lizard	<i>Sceloporus graciosus graciosus</i>	HER
Short-horned lizard	<i>Phrynosoma douglassii</i>	HER
Rubber boa	<i>Charina bottae</i>	HER
Common garter snake	<i>Thamnophis sirtalis</i>	HER
Night snake	<i>Hypsiglena torquata</i>	HER
Sharptail snake	<i>Contia tenuis</i>	HER
Striped whipsnake	<i>Masticophis punctatus</i>	HER

<sup>1</sup> Evaluation:

BSM - bat and small mammal panel;

CAV - cavity nesting woodpeckers, swifts, and nuthatches;

C&U - mammalian carnivore and ungulate panel;

HER - amphibian and reptile panel;

PAS - passerine and other birds;

RGB - raptor and game bird panel;

WAT -waterbird and shorebird panel;

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\***

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<b>MAMMALS</b>									
spotted bat, <i>Euderma maculatum</i>	x	x		x	x	x		x	
Townsend's (Pacific, western) big-eared bat, <i>Corynorhinus (Plecotus) townsendii townsendii</i>	x	x	x	x	x		x	x	x
pale Townsend's big-eared bat, <i>Corynorhinus (Plecotus) townsendii pallescens</i>			x		x				
big brown bat, <i>Eptesicus fuscus</i>		x							
western small-footed myotis, <i>Myotis ciliolabrum</i>	x	x	x	x	x				
long-eared myotis, <i>Myotis evotis</i>	x	x	x	x	x				
fringed myotis, <i>Myotis thysanodes</i>	x	x		x	x				
long-legged myotis, <i>Myotis volans</i>	x	x	x	x	x				
Yuma myotis, <i>Myotis yumaensis</i>	x		x	x	x				
dark kangaroo mouse, <i>Microdipodops megacephalus</i>				x					
Kincaid's meadow vole, <i>Microtus pennsylvanicus kincaidi</i>	x								
water vole, <i>Microtus richardsoni</i>		x							
Preble's shrew, <i>Sorex preblei</i>	x	x	x		x				x
dwarf shrew, <i>Sorex nanus</i>		x				x			
vagrant shrew, <i>Sorex vagrans</i>		x							
Destruction Island shrew, <i>Sorex trowbridgii destructioni</i>	x								
Belding ground squirrel, <i>Spermophilus beldingi</i>						x			
Richardson ground squirrel, <i>Spermophilus richardsoni</i>						x			
rock squirrel, <i>Spermophilus variegatus</i>				x					
yellow pine chipmunk, <i>Eutamias amoenus</i>						x			
northern bog lemming, <i>Synaptomys borealis</i>			x				x		
pygmy rabbit, <i>Brachylagus idahoensis</i>	x	x	x	x	x				x
lynx, <i>Lynx lynx</i>	x	x	x	x	x	x	x	x	x
wolverine, <i>Gulo gulo</i>		x	x	x	x	x	x	x	
California wolverine, <i>Gulo gulo luteus</i>	x								x
fisher, <i>Martes pennanti</i>	x		x	x			x	x	
Pacific fisher, <i>Martes pennanti pacifica</i>	x								
river otter, <i>Lutra canadensis</i>						x			
kit fox, <i>Vulpes velox macrotis</i>	x			x					
California bighorn sheep, <i>Ovis canadensis californiana</i>	x			x	x				x



Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<b>BIRDS</b>									
common loon, <i>Gavia immer</i>		X	X				X	X	X
red-necked grebe, <i>Podiceps grisegena</i>	X								
American white pelican, <i>Pelecanus erythrorhynchos</i>		X				X			X
trumpeter swan, <i>Cygnus buccinator</i>		X		X				X	
Caspian tern, <i>Sterna caspia</i>		X							
black tern, <i>Chlidonias niger</i>	X	X	X		X				
Forster's tern, <i>Sterna forsteri</i>		X							
snowy egret, <i>Egretta thula</i>		X							
white-faced ibis, <i>Plegadis chihi</i>	X	X			X				
black-crowned night heron, <i>Nycticorax nycticorax</i>		X							
harlequin duck, <i>Histrionicus histrionicus</i>	X	X	X	X	X		X	X	
marbled murrelet, <i>Brachyramphus marmoratus</i>									X
American bittern, <i>Botaurus lentiginosus</i>		X							
least bittern, <i>Ixobrychus exilis</i>	X				X				
western least bittern, <i>Ixobrychus exilis hesperis</i>	X								
yellow rail, <i>Coturnicops noveboracensis</i>	X								
greater sandhill crane, <i>Grus canadensis tabida</i>									X
long-billed curlew, <i>Numenius americanus</i>		X	X	X		X			X
upland sandpiper, <i>Bartramia longicauda</i>				X					X
snowy plover, <i>Charadrius alexandrinus</i>	X								
mountain plover, <i>Charadrius montanus</i>		X				X	X		
flamulated owl, <i>Otus flammeolus</i>	X		X	X			X	X	
great gray owl, <i>Strix nebulosa</i>			X					X	
boreal owl, <i>Aegolius funereus</i>			X	X			X	X	
burrowing owl, <i>Speotyto (=Athene) cucularia</i>	X				X				
western burrowing owl, <i>Speotyto (=Athene) cucularia hypugea</i>	X			X	X				
northern goshawk, <i>Accipiter gentilis</i>	X	X	X	X	X			X	
prairie falcon, <i>Falco mexicanus</i>				X					
merlin, <i>Falco columbarius</i>		X							
ferruginous hawk, <i>Buteo regalia</i>	X	X		X	X	X	X		X
Swainson's hawk, <i>Buteo swainsoni</i>			X			X			
osprey, <i>Pandion haliaetus</i>						X			
northern harrier, <i>Circus cyaneus</i>				X					
white-headed woodpecker, <i>Picoides albolarvatus</i>	X			X			X	X	
three-toed woodpecker, <i>Picoides tridactylus</i>	X		X	X				X	
black-backed woodpecker, <i>Picoides arcticus</i>	X		X	X			X		
hairy woodpecker, <i>Picoides villosus</i>			X						

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
Lewis' woodpecker, <i>Melanerpes lewis</i>	x	x		x		x			
pileated woodpecker, <i>Dryocopus pileatus</i>	x		x						
red-naped woodpecker, <i>Sphyrapicus nuchalis</i>				x					
Williamson's sapsucker, <i>Sphyrapicus throideus</i>				x					
mountain quail, <i>Oerortyx pictus</i>				x			x	x	
Columbian sharp-tailed grouse, <i>Tympanuchus phasianellus columbianus</i>	x		x	x	x		x	x	
western sage grouse, <i>Centrocercus urophasianus</i>	x			x					x
tricolored blackbird, <i>Agelaius tricolor</i>	x				x				x
yellow-headed blackbird, <i>Xanthocephalus xanthocephalus</i>				x					
black rosy finch, <i>Leucosticte arctoa atrata</i>									x
yellow-billed cuckoo, <i>Coccyzus americanus</i>	x			x					
black-billed cuckoo, <i>Coccyzus erythrophthalmus</i>				x					
pygmy nuthatch, <i>Sitta pygmaea</i>				x					
loggerhead shrike, <i>Lanus ludovicianus</i>				x					
Vaux's swift, <i>Chaetura vauxi</i>				x					
black swift, <i>Cypseloides niger</i>				x					
ash-throated flycatcher, <i>Myiarchus cinerascens</i>		x							
olive-sided flycatcher, <i>Contopus borealis</i>				x					
dusky flycatcher, <i>Empidonax oberholseri</i>				x					
Cordilleran flycatcher, <i>Empidonax occidentalis</i>				x					
Hammond's flycatcher, <i>Empidonax hammondii</i>				x					
gray flycatcher, <i>Empidonax wrightii</i>				x					
willow flycatcher, <i>Empidonax traillii</i>				x					
little willow flycatcher, <i>Empidonax traillii brewsteri</i>	x								
southwestern willow flycatcher, <i>Empidonax traillii extimus</i>					x				
black-throated gray warbler, <i>Dendroica nigrescens</i>				x					
Townsend's warbler, <i>Dendroica townsendii</i>				x					
yellow warbler, <i>Dendroica petechia</i>				x					
MacGillivray's warbler, <i>Oporonis tolmiei</i>				x					
Virginia's warbler, <i>Vermivora virginiae</i>				x					
Wilson's warbler, <i>Wilsonia pusilla</i>				x					
western bluebird, <i>Sialia mexicana</i>					x				
purple martin, <i>Progne subis</i>	x				x				
Bell's vireo, <i>Vireo bellii</i>					x				

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
solitary vireo, <i>Vireo solitarius</i>				X					
bobolink, <i>Dolichonyx oryzivorus</i>				X					
Scott's oriole, <i>Icterus pusilla</i>		X		X					
veery, <i>Catharus fuscescens</i>				X					
Swainson's thrush, <i>Catharus ustulatus</i>				X					
Calliope hummingbird, <i>Stellula caliope</i>				X					
rufous hummingbird, <i>Selaphorus rufus</i>				X					
grasshopper sparrow, <i>Ammodramus savannarum</i>				X	X				
Brewer's sparrow, <i>Spizella breweri</i>				X					
sage sparrow, <i>Amphispiza belli</i>				X					
scrub jay, <i>Aphelocoma coerulescens</i>		X							
plain titmouse, <i>Parus inornatus</i>		X							
bush-tit, <i>Psaltriparus minimus</i>		X							
green-tailed towhee, <i>Pipilo chlorurus</i>				X					
<b>REPTILES AND AMPHIBIANS</b>									
northern red-legged frog, <i>Rana auroa auroa</i>	X			X					X
mountain yellow-legged frog, <i>Rana muscosa</i>					X				
Cascades frog, <i>Rana cascadae</i>	X								
northern leopard frog, <i>Rana pipiens</i>	X								
tailed frog, <i>Ascaphus truei</i>	X		X						
wood frog, <i>Rana sylvatica</i>			X						
Pacific tree frog, <i>Hyla regilla</i>						X			
western toad, <i>Bufo boreas</i>				X					
Coeur d'Alene salamander, <i>Plethodon vandykei idahoensis</i>			X	X				X	
Cope's giant salamander, <i>Dicamptodon copei</i>									X
Larch Mountain salamander, <i>Plethodon larsei</i>	X								X
painted turtle, <i>Chrysemys picta</i>	X								X
western pond turtle, <i>Clemmys marmorata</i>	X								
northwestern pond turtle, <i>Clemmys marmorata marmorata</i>						X			X
northern sagebrush lizard, <i>Sceloporus graciosus graciosus</i>	X								
many-lined skink, <i>Emeces multivirgatus gaigei</i>						X			
Mojave black-collared lizard, <i>Crotahytus bicinctores</i>				X					
plateau whiptail, <i>Cnemidophorus velox</i>						X			
Utah mountain kingsnake, <i>Lampropeltis pyromelena infralabialis</i>						X			
Utah milk snake, <i>Lampropeltis triangulum taylori</i>						X			
western ground snake, <i>Sonora seminannulata</i>				X					

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
ringneck snake, <i>Diadophis punctatus</i>				X					
longnose snake, <i>Rhinocheilus lecontei</i>				X					
<b>FISH</b>									
Malheur mottled sculpin, <i>Cottus bairdii</i> spp.	X								X
Shoshone sculpin, <i>Cottus greenei</i>				X					
Wood River sculpin, <i>Cottus leiopomus</i>				X				X	
torrent sculpin, <i>Cottus rhotheus</i>							X		
shorthead sculpin, <i>Cottus coniusus</i>				X			X		
pit sculpin, <i>Cottus pitensis</i>									X
slender sculpin, <i>Cottus tenuis</i>									X
marginated sculpin, <i>Cottus marginatus</i>	X								
westslope cutthroat trout, <i>Oncorhynchus clarki lewisi</i>	X		X	X			X	X	
Bonneville/Utah cutthroat trout, <i>Oncorhynchus clarki utah</i>				X	X	X		X	
Yellowstone cutthroat trout, <i>Oncorhynchus clarki bouvieri</i>				X					
fine spotted cutthroat trout, <i>Oncorhynchus clarki</i> ssp.								X	
interior reband trout, <i>Oncorhynchus mykiss</i> ssp.	X			X	X		X		X
Catlow Valley redband trout, <i>Oncorhynchus mykiss</i> ssp.	X								
Goose Lake redband trout, <i>Oncorhynchus mykiss</i> ssp.	X								
Warner Valley redband trout, <i>Oncorhynchus mykiss</i> ssp.	X				X				
spring/summer chinook salmon, <i>Oncorhynchus tshawytscha</i>	X			X			X		X
coho salmon, <i>Oncorhynchus kisutch</i> ssp.	X								X
Alvord chub, <i>Gila alvordensis</i>	X				X				
Oregon tui chub, <i>Gila bicolor oregonensis</i>	X								X
Sheldon tui chub, <i>Gila bicolor eurysoma</i>	X				X				
Catlow tui chub, <i>Gila bicolor</i> ssp.	X								
summer basin tui chub, <i>Gila bicolor</i> ssp.	X								
leatherside chub, <i>Gila copei</i>				X	X	X			
roundtail chub, <i>Gila robusta robusta</i>					X	X			
white sturgeon, <i>Acipenser transmontanus</i>				X			X		
Goose Lake sucker, <i>Catostomus occidentalis lacusanerinus</i>	X								X

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
Klamath large-scale sucker, <i>Catostomus snyderi</i>	x								x
Jenny Creek sucker, <i>Catostomus rimiculus</i> ssp.	x								
river lamprey, <i>Lampetra ayresi</i>									
Miller Lake lamprey, <i>Lampetra minima</i>	x								
Pacific lamprey, <i>Lampetra tridentata</i>	x			x					
Goose Lake lamprey, <i>Lampetra tridentata</i> ssp.	x								
pit roach, <i>Lavinia symmetricus mitrulus</i>	x								
Olympic mudminnow, <i>Novumbra hubbsi</i>	x								
ling (burbot), <i>Lota lota</i>				x			x		
<b>VASCULAR PLANTS / BRYOPHYTES / LICHENS / FUNGI</b>									
Henderson's ricegrass, <i>Achnatherum hendersonii</i> (= <i>Oryzopsis hendersonii</i> )	x								x
Wallowa ricegrass, <i>Achnatherum wallowensis</i>	x								
<i>Adiantum pedatum</i> var. <i>novum</i>							x		
<i>Adoxa moschielina</i>							x		
<i>Agoseris elata</i>									x
pink agoseris, <i>Agoseris lackschewitzii</i>				x			x	x	
<i>Agrostis borealis</i>									x
<i>Agrostis oregonensis</i>							x		
Aeese's onion, <i>Allium aaseae</i>				x					
<i>Allium acuminatum</i>							x		
two-headed onion, <i>Allium anceps</i>				x					
<i>Allium brandegei</i>									x
<i>Allium campanulatum</i>	x								x
<i>Allium constrictum</i>	x								
<i>Allium dictuon</i>	x								x
<i>Allium fibrilium</i>							x		
<i>Allium geyeri</i> var. <i>geyeri</i>									x
swamp onion, <i>Allium madidum</i>								x	
Tolmie's onion, <i>Allium tolmiei</i> var. <i>persimile</i>				x				x	
tall swamp onion, <i>Allium validum</i>				x			x		
candystick, <i>Allotropa virgata</i>				x			x	x	
Malheur Valley fiddleneck, <i>Amsinckia carinata</i>	x								
<i>Anemone nuttalliana</i>									x
<i>Antennaria arcuata</i>		x		x	x			x	
<i>Antennaria aromatica</i>									x
<i>Antennaria corymbosa</i>									x
<i>Antennaria densifolia</i>							x		
<i>Antennaria parvifolia</i>									x
<i>Aquilegia brevistyla</i>							x		

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Arabis falcatoria</i>					x	x			
<i>Arabis fecunda</i>							x		
Crater Lake rockcress, <i>Arabis suffrutescens</i> var. <i>horizontalis</i>	x								
Thompson's sandwort, <i>Arenaria franklinii</i> var. <i>thompsonii</i>	x								
armed prickly poppy, <i>Argemone munita</i>				x					
<i>Arnica alpina</i> var. <i>tomentosa</i>							x		
<i>Arnica viscosa</i>									x
<i>Artemisia campestris</i> spp. <i>borealis</i> & var. <i>wormskioldii</i>	x								x
<i>Artemisia ludoviciana</i> <i>estesii</i>	x								x
green-flowered wild ginger, <i>Asarum wagneri</i>	x								
coral lichen, <i>Aspicilia fruticulosa</i>				x					
<i>Asplenium trichomanes</i> - <i>ramisum</i>				x					
<i>Asplenium triphomanes</i>							x		
<i>Asplenium viride</i>									x
<i>Aster gormanii</i>									x
<i>Aster jessicae</i>	x			x					
<i>Aster sibiricus</i> var. <i>meritus</i>									x
Challis milk-vetch, <i>Astragalus amblytropis</i>				x					
Lost River milk-vetch, <i>Astragalus amnis-amissi</i>								x	
Goose Creek milk-vetch, <i>Astragalus anserinus</i>				x	x	x		x	
Lemhi milk-vetch, <i>Astragalus aquilonius</i>				x				x	
<i>Astragalus arrectus</i>									x
<i>Astragalus arthuri</i>									x
mourning milk-vetch, <i>Astragalus atratus</i> var. <i>inseptus</i>				x					
<i>Astragalus atratus</i> var. <i>owyheensis</i>									x
Laurence's milk-vetch, <i>Astragalus collinus</i> var. <i>laurentii</i>	x								
Columbia milk-vetch, <i>Astragalus columbianus</i>	x								
<i>Astragalus cusickii</i>									x
<i>Astragalus diaphanus</i> var. <i>diurnus</i>	x								x
mesic milk-vetch, <i>Astragalus diversifolius</i>				x				x	
Big Piney milk-vetch, <i>Astragalus drabelliformis</i>		x							
plains milk-vetch, <i>Astragalus gilviflorus</i>				x					
<i>Astragalus howellii</i>	x								x
starveling milk-vetch, <i>Astragalus jejunos jejunos</i>				x					

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
Douglas' milk-vetch, <i>Astragalus kentrophyta var.douglasii</i>	x								
park milk-vetch, <i>Astragalus leptaleus</i>				x					
<i>Astragalus molybdenus</i>							x		
Mulford's milk-vetch, <i>Astragalus mulfordiae</i>	x			x					
Newberry's milk-vetch, <i>Astragalus newberryi castoreus</i>				x					
Picabo milk-vetch, <i>Astragalus onciformis</i>				x					
Payson's milk-vetch, <i>Astragalus paysonii</i>				x			x	x	
<i>Astragalus peckii</i>	x								x
Ames' milk-vetch, <i>Astragalus pulsiferae var.suksdorfii</i>	x								
Snake River milk-vetch, <i>Astragalus purshii ophiogenes</i>				x					
Trout Creek milk-vetch, <i>Astragalus salmonis</i>				x					
whited milk-vetch, <i>Astragalus sinuatus</i>	x								
sterile milk-vetch, <i>Astragalus sterilis</i>	x			x					
<i>Astragalus tegetarioides</i>	x								x
four-wing milk-vetch, <i>Astragalus tetrapterus</i>				x					
Tygh Valley milk-vetch, <i>Astragalus tyghensis</i>	x								
White Cloud milk-vetch, <i>Astragalus vexilliflexus var. nubilus</i>								x	
Osgood Mtns./ Mud flat milk-vetch, <i>Astragalus yoder-williamsii</i>				x	x			x	
<i>Athysanus puelius</i>							x		
<i>Betula pumilia</i>							x		
<i>Betula papyrifera var. commutata</i>									x
<i>Blechnum aploant</i>							x		
deer fern, <i>Blechnum spicant</i>				x					
king's desertgrass, <i>Blepharidachne kingii</i>				x					
<i>Botrychium ascendens</i>	x			x			x		x
<i>Botrychium crenulatum</i>	x			x			x		x
<i>Botrychium hesperium</i>							x		
<i>Botrychium lanceolatum var. lanceolatum</i>				x			x		x
<i>Botrychium lunaria</i>									x
<i>Botrychium minganense</i>				x			x		x
<i>Botrychium montanum</i>							x		x
paradox moonwort, <i>Botrychium paradoxum</i>	x						x		
stalked moonwort, <i>Botrychium pedunculosum</i>	x								x
<i>Botrychium pinnatum</i>				x			x		x
pumice grape-fern, <i>Botrychium pumicola</i>	x								x
<i>Botrychium simplex</i>				x			x		x

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
blue gramma, <i>Bouteloua gracilis</i>				x					
<i>Bryum calobryoides</i>				x				x	
<i>Bupleurum americanum</i>									x
leafless bug-on-a-stick, <i>Buxbaumia aphylla</i>				x					
Piper's bug-on-a-stick, <i>Buxbaumia piperi</i>				x					
Cascade reedgrass, <i>Calagrostis tweedyi</i>								x	
<i>Calamagrostis breweri</i>									x
Cascade reedgrass, <i>Calamagrostis tweedyi</i>				x					
<i>Calliargon trifarum</i>	x								
Greene's mariposa lily, <i>Calochortus greenei</i>	x								
long-bearded mariposa lily, <i>Calochortus longebarbatus</i> var. <i>longebarbatus</i>	x								x
Peck's mariposa lily, <i>Calochortus longebarbatus</i> var. <i>peckii</i>	x								x
<i>Calochortus macrocarpus</i> var. <i>maculosus</i>				x					x
broad-fruit mariposa lily, <i>Calochortus nitidus</i>	x			x			x		x
Cusick camas, <i>Camassia cusickii</i>				x				x	
obscure evening primrose, <i>Camissonia andina</i>			x						
Palmer's evening primrose, <i>Camissonia palmeri</i>				x					
winged seed evening primrose, <i>Camissonia pterosperma</i>				x					
dwarf evening primrose, <i>Camissonia pygmaea</i>	x								
<i>Campanula scabrella</i>									x
Constance's bittercress, <i>Cardamine constancei</i>				x			x		
<i>Carex atrata</i> var. <i>erecta</i>									x
<i>Carex buxbaumii</i>				x			x		x
<i>Carex californica</i>							x		
<i>Carex chordorrhiza</i>				x			x		
<i>Carex comosa</i>				x			x		x
<i>Carex concinna</i>									x
<i>Carex flava</i>				x					x
<i>Carex hendersonii</i>				x			x		
<i>Carex hystericina</i>									x
Idaho sedge, <i>Carex idahoensis</i>				x					
<i>Carex incurviformis</i>								x	
<i>Carex interrupta</i>									x
<i>Carex livida</i>				x			x		x
<i>Carex macrochaeta</i>									x



Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Carex nova</i>									X
<i>Carex novegica</i>									X
<i>Carex parvana</i> ssp. <i>idaho</i>							X		
<i>Carex paupercula</i>							X		X
<i>Carex proposita</i>									X
<i>Carex saxatillis</i> var. <i>major</i>									X
<i>Carex scirpoidea</i> var. <i>scirpoidea</i>									X
<i>Carex scopulorum</i> var. <i>prionophylla</i>									X
<i>Carex straminiformis</i>				X					
<i>Carex stylosa</i>									X
<i>Carex synchnocephala</i>									X
<i>Castilleja chlorotica</i>	X								X
<i>Castilleja covilieana</i>							X		
<i>Castilleja crypthantha</i>	X								X
<i>Castilleja fraterna</i>	X								X
<i>Castilleja pilosa</i> var. <i>steenensis</i>	X								
<i>Castilleja rubida</i>	X								X
<i>Castilleja torglapica</i>							X		
<i>Ceanothus prostratus</i>				X					
<i>Cetraria subalpina</i>				X					
<i>Chaenactis cusickii</i>	X			X					
<i>Chaenactis stevioides</i>				X					
<i>Chaenactis thompsonii</i>									X
<i>Cheilanthes feei</i>									X
Liverwort, <i>Chiloscyphus gemmiparus</i>	X								
<i>Chrysosplenium tetrandrum</i>									X
<i>Chrysothamnus nauseosus</i> var. <i>nanus</i>				X					
<i>Chrysothamnus parryi</i> <i>montanus</i>				X					
<i>Cicuta bulbifera</i>				X					X
<i>Cimicifuga elata</i>	X								
<i>Cladonia anderegii</i>				X					
<i>Cladonia luteoalba</i>				X					
<i>Cladonia transcendens</i>				X					
<i>Cladonia uncialis</i>				X					
<i>Cleomella plocasperma</i>				X					
<i>Clouta bulbiera</i>							X		
<i>Clarkia rhomboidea</i>							X		
short-spored jelly lichen, <i>Collema curtisporum</i>				X					
scurfy jelly lichen, <i>Collema furfuraceum</i>				X					
flexible alpine collomia, <i>Collomia debilis camporum</i>								X	
Mt. Mazama collomia, <i>Collomia mazama</i>	X								

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
Barren Valley collomia, <i>Collomia renacta</i>	x								
Pacific dogwood, <i>Cornus nuttallii</i>				x			x		
<i>Corydalis aquae-gelidae</i>									x
<i>Corydalis caseana hastata</i>				x					
<i>Coryphantha vivipara</i>				x					
<i>Crepis bakeri idahoensis</i>				x					
<i>Cryptantha caespitosa</i>				x					
<i>Cryptogramma stelleri</i>									x
sepal-tooth dodder, <i>Cuscuta denticulata</i>				x					
greeley's wavewing, <i>Cymopterus acaulis</i> var. <i>greeleyorum</i>				x					
Davis' wavewing, <i>Cymopterus davisii</i>								x	
Douglass' biscuitroot, <i>Cymopterus douglasii</i>								x	
<i>Cymopterus ibapensis</i>				x					
<i>Cymopterus nivalis</i>									x
<i>Cypripedium calceolus</i> var. <i>parviflorum</i>	x						x		x
<i>Cypripedium fasciculatum</i>	x			x			x		
<i>Cypripedium parviflorum</i>				x					
<i>Cypripedium passerinum</i>							x		
<i>Dasynotus daubenmirei</i>							x		
white rock larkspur, <i>Delphinium leucophaeum</i>	x								
Wenatchee larkspur, <i>Delphinium viridescens</i>	x								x
<i>Dermatocarpon lorenzianum</i>				x					
<i>Dimeresia howellii</i>				x					
frigid shootingstar, <i>Dodecatheon austrofrigidum</i>	x								
<i>Dodecatheon pulchellum</i> var. <i>watsonii</i>									x
Idaho douglasia, <i>Douglasia idahoensis</i>							x	x	
<i>Downingia bacigalupii</i>				x					
<i>Draba aurea</i>									x
<i>Draba cana</i> (=lanceolata)									x
Rockcress draba, <i>Draba densifolia apiculata</i>								x	
Yellowstone draba, <i>Draba incerta</i>				x					
Stanley's whitlow-grass, <i>Draba trichocarpa</i>								x	
<i>Drosera intermedia</i>							x		
<i>Drosera linearis</i>							x		
<i>Dryas drummondii</i>									x
<i>Dryopteris cristata</i>							x		x
<i>Dryopteris filix-mas</i>									x

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Eatonella nivea</i>				X					
<i>Elaeagnus commutata</i>				X					
<i>Eleocharis atropurpurea</i>									X
<i>Elymus innovatus</i>							X		
<i>Epilobium palustre</i>				X			X		
<i>Epipactis algenion</i>							X		
<i>Epipactis gigantea</i>				X					X
<i>Erigeron acris</i> var. <i>elatus</i>									X
<i>Erigeron asperugineus</i>							X		
<i>Erigeron basalticus</i>	X								
<i>Erigeron engelmannii</i> var. <i>davisii</i>									X
<i>Erigeron evermannii</i>							X		
<i>Erigeron howellii</i>	X								X
<i>Erigeron humilis</i>									X
<i>Erigeron latus</i>					X				
<i>Erigeron linearia</i>							X		
<i>Erigeron oreganus</i>	X								X
desert buckwheat, <i>Eriogonum brevicaulum desertorum</i>								X	
Welsh buckwheat, <i>Eriogonum capistratum welshii</i>				X				X	
golden buckwheat, <i>Eriogonum chrysops</i>	X								
Crosby's buckwheat, <i>Eriogonum crosbyae</i>	X								
Cusick's buckwheat, <i>Eriogonum cusickii</i>	X								
desert buckwheat, <i>Eriogonum desertorum</i>				X					
Lewis buckwheat, <i>Eriogonum lewisii</i>					X			X	
guardian buckwheat, <i>Eriogonum meledonum</i>								X	
<i>Eriogonum ochrocephalum calcareum</i>				X					
<i>Eriogonum prociduum</i>	X				X				X
<i>Eriogonum salicornioides</i>	X								
<i>Eriogonum shockleyi packardiae</i>				X					
<i>Eriogonum shockleyi shockleyi</i>				X					
<i>Eriophorum viridicarinatum</i>							X		X
<i>Eritrichium nanum</i> var. <i>elongatum</i>									X
<i>Eryngium petiolatum</i>	X								
<i>Eupatorium occidentale</i>							X		
<i>Filipendula occidentalis</i>	X								
<i>Gaultheria hispidula</i>							X		X
<i>Gentiana newberryi</i>									X
<i>Gentianopala simplex</i>							X		
<i>Geum rivale</i>									X

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Geum rossii</i> var. <i>depressum</i>									X
<i>Geum rossii</i> var. <i>turbinatum</i>									X
<i>Githopsis specularioides</i>									X
<i>Glyptopleura marginata</i>				X					
<i>Goodyera repens</i>							X		
<i>Grindelia howelli</i>				X			X		
<i>Hackelia cronquistii</i>	X			X					
<i>Hackelia diffusa</i> var. <i>diffusa</i>									X
<i>Hackelia hispida</i> var. <i>disjuncta</i>									X
<i>Hackelia ophiobia</i>				X					
<i>Hackelia venusta</i>	X								X
<i>Halimolobos perplexa</i> var. <i>lemhiensis</i>							X		
puzzling halimolobos, <i>Halimolobos perplexa</i> var. <i>perplexa</i>				X			X	X	
<i>Haplopappus aberrane</i>							X		
sticky goldenweed, <i>Haplopappus hirtus sonchifolius</i>				X					
bugleg goldenweed, <i>Haplopappus insecticuris</i>				X				X	
Palouse goldenweed, <i>Haplopappus liatrifolius</i>	X			X					X
<i>Haplopappus macronema</i> var. <i>macronema</i>							X		
radiate goldenweed/Snake River goldenweed, <i>Haplopappus radiatus</i> ( <i>Pyrrocoma radiatus</i> )	X			X				X	
<i>Haplopappus whitney</i> ssp. <i>discoideus</i>									X
<i>Helodium blandow</i>				X					
<i>Hieracium bolanderi</i>									X
<i>Hymenoxys richardsonii</i>				X					
<i>Hypericum majus</i>				X			X		
<i>Hypogymnia apinnata</i>				X					
<i>Idahoia scapigera</i>							X		
<i>Iliamna longisepala</i>									X
<i>Ipomopsis polycladon</i>				X					
<i>Ivesia rhypara</i> var. <i>rhypara</i>	X				X				
<i>Ivesia shockleyi</i>									X
<i>Juncus hallii</i>				X			X		
<i>Juncus kelloggii</i>	X								
<i>Kobresia myosuroides</i>									X
<i>Lathyrus grimesii</i>					X			X	
<i>Lathyrus holochlorus</i>	X								

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Lepidium davisi</i>	x			x					
slick-spot peppergrass, <i>Lepidium papilliferum</i>				x				x	
Bruneau River prickly phlox, <i>Leptodactylon glabrum</i>				x	x				
Hazel's prickly phlox, <i>Leptodactylon pungens</i> ssp. <i>hazeliae</i>	x			x			x	x	x
<i>Lesquerella carinata</i> var. <i>languida</i>			x				x		
<i>Lesquerella humilla</i>							x		
large-fruited bladderpod, <i>Lesquerella macrocarpa</i>		x							
Payson bladderpod, <i>Lesquerella paysonii</i>		x						x	
<i>Lewisia columbiana</i> ssp. <i>columbiana</i>									x
<i>Limnanthes floccosa</i> ssp. <i>bellingermana</i>	x								
<i>Limosella acaulis</i>				x					x
<i>Listera borealis</i>									x
<i>Lobaria hallii</i>				x					
<i>Lobaria linita</i>				x					
<i>Lobaria scrobiculata</i>				x					
<i>Lobelia dortmanna</i>	x								
<i>Lobelia kalmii</i>	x								
<i>Loiseleuria procumbens</i>									x
<i>Lomatium cusickii</i>									x
<i>Lomatium erythrocarpum</i>	x								x
<i>Lomatium geveri</i>							x		
<i>Lomatium greenmanii</i>	x								x
<i>Lomatium "pastoralis"</i>									x
<i>Lomatium rollinsii</i>	x								
<i>Lomatium salmoniflorum</i>				x					x
<i>Lomatium suksdorfii</i>	x								x
<i>Lomatium tuberosum</i>	x								
<i>Lomatium watsonii</i>									x
<i>Lomatogonium rotatum</i>				x					
<i>Luina serpentina</i>	x								x
<i>Lupinus biddlei</i>	x								
<i>Lupinus cusickii</i>	x								x
<i>Lupinus sabinii</i> (= <i>sabianus</i> )	x								x
<i>Lupinus sulphureus</i> var. <i>kincaidii</i>	x								
<i>Lupinus uncialis</i>				x					
<i>Luzula arcuata</i>									x
<i>Lycopodium complanatum</i>									x
<i>Lycopodium dendroideum</i>							x		x

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Lycopodium inundatum</i>							x		x
<i>Lycopodium selago</i>									x
<i>Lycopodium sitchense</i>							x		
<i>Machaerocarpus californicus</i>				x					
<i>Meconella oregana</i>	x								x
<i>Meesia longiseta</i>				x					
<i>Melica stricta</i>									x
Smooth stickleleaf, <i>Mentzelia mollis</i>					x				
Packard's mentzelia, <i>Mentzelia packardiae</i>	x				x				
<i>Mertensia belle</i>							x		
bank monkeyflower, <i>Mimulus clivicola</i>				x			x	x	x
<i>Mimulus evanescens</i>	x								
<i>Mimulus hymenophyllum</i>	x			x					x
<i>Mimulus jepsonii</i>									x
<i>Mimulus jungermannioides</i>	x								
<i>Mimulus patulus</i>	x								x
<i>Mimulus primuloides</i>							x		
<i>Mimulus pygmaeus</i>	x								x
<i>Mimulus suksdorfii</i>									x
<i>Mimulus tricolor</i>									x
<i>Mimulus washingtonensis</i> var. <i>washintoniensis</i>	x								x
<i>Mimulus washingtonensis ampliatus</i>				x					
<i>Montia diffusa</i>									x
<i>Montia howellii</i>	x								
<i>Muhlenbergia glomerata</i>							x		x
<i>Myosurus sessilis</i> (=M.minimus) ssp. <i>apus</i> var. <i>sessiliflor</i>	x								
<i>Navarretia tagetina</i>	x								x
<i>Nemacladus rigidus</i>				x					
<i>Nicotiana attenuata</i>									x
<i>Nymphaea tetragona</i>									x
St. Anthony evening primrose, <i>Oenothera psammophila</i>				x					
dwarf evening primrose, <i>Oenothera pygmaea</i>	x								
<i>Ophioglossum pusillum</i>	x								
<i>Ophioglossum vulgatum</i>									x
<i>Orchis rotundifolia</i>							x		
<i>Orobanche pinorum</i>									x

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Orogenia fusiformia</i>							X		
rosy owl-clover, <i>Orthocarpus bracteosus</i>	X								
Swallen mountain-ricegrass, <i>Oryzopsis swallenii</i>		X							
<i>Oxypolis occidentalis</i>									X
Challis crazyweed, <i>Oxytropis besseyi</i> var. <i>salmonensis</i>				X				X	
wanapum crazyweed, <i>Oxytropis campestris</i> var. <i>wanapum</i>	X								
<i>Oxytropis podocarpa</i>							X		
<i>Parnassia kotzebuei</i>									X
<i>Pedicularis rainierensis</i>									X
<i>Pediocactus simpsonii robustior</i>				X					
<i>Pellaea brachyptera</i>									X
<i>Pellaea breweri</i>									X
<i>Pellaea bridgesii</i>									X
<i>Penstemon barrettiae</i>	X								X
<i>Penstemon glaucinus</i>	X								X
Idaho penstemon, <i>Penstemon idahoensis</i>				X		X		X	
Janish's penstemon, <i>Penstemon janishiae</i>				X					
Lemhi penstemon, <i>Penstemon lemhiensis</i>				X			X	X	
<i>Penstemon peckii</i>	X								X
red-rooted yampah, <i>Perideridia erythrorhiza</i>	X								
chelan rockmat, <i>Petrophytum cinerascens</i>	X								X
<i>Phacelia franklinii</i>									X
sticky phacelia, <i>Phacelia lenta</i>	X								
<i>Phacelia lyalli</i>							X		
small-flower phacelia, <i>Phacelia minutissima</i>	X			X	X			X	X
<i>Phlox kelseyi</i> var. <i>kelseyi</i>				X					
<i>Phlox kelseyi</i> var. <i>missoulensis</i>							X		
<i>Phlox multiflora</i>									X
tufted twinpod, <i>Physaria condensata</i>		X							
<i>Physaria didymocarpa</i> var. <i>didymocarpa</i>									X
Salmon twin bladderpod, <i>Physaria didymocarpa</i> var. <i>lyrata</i>				X				X	
Dorn's twinpod, <i>Physaria dornii</i>		X							
dot lichen, <i>Physcia semipinnata</i>				X					
nail lichen, <i>Pilophorus acicularis</i>				X					
<i>Pityrogramma triangulera</i>							X		
Choris' bog-orchid, <i>Platanthera chorisiana</i>	X								X
<i>Platanthera obtusata</i>									X
<i>Platanthera sparsiflora</i>									X
<i>Pleuropogon oregonus</i>	X								X

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Poa abbreviata marshii</i>								X	
<i>Poa grayana</i>									X
<i>Poa laxiflora</i>	X								X
<i>Polemonium carneum</i>	X								X
<i>Polemonium pectinatum</i>	X								
<i>Polemonium viscosum</i>									X
<i>Polygonum douglasii</i> spp. <i>auetines</i>							X		
<i>Polypodium glycyrrhiza</i>							X		
<i>Polystichum braunii</i>							X		
<i>Potamogeton obtusifolius</i>							X		
Cottam cinquefoil, <i>Potentilla cottamii</i>					X	X		X	
<i>Potentilla diversifolia</i> var. <i>perdissecta</i>									X
<i>Potentilla nivea</i>									X
<i>Potentilla quinquefolia</i>									X
<i>Potentilla villosa</i> var. <i>parviflora</i>									X
<i>Primula alcalina</i>				X					
<i>Primula cusickiana</i>									X
<i>Psathyrotes annua</i>				X					
<i>Pseudocyphellaria anthraspis</i>				X					
<i>Psilocarphus tenellus</i>				X					
<i>Ranunculus longirostris</i>									
<i>Ranunculus lavis</i>							X		
<i>Ranunculus oresterus</i>									X
<i>Ranunculus reconditus</i>	X								X
<i>Rhynchospora alba</i>							X		
<i>Ribes cereum</i> var. <i>colubrinum</i>									X
<i>Ribes oxyacanthoides</i> ssp. <i>cognatum</i>									X
<i>Ribes oxyacanthoides</i> ssp. <i>irriguum</i>									X
<i>Ribes wolffi</i>				X			X		
<i>Romanzoffia elchensis</i>							X		
Columbia cress, <i>Rorippa columbiae</i>	X								X
<i>Rubus acaulis</i>									X
Bartons' blackberry, <i>Rubus bartonianus</i>	X						X	X	X
<i>Rubus nigerrimus</i>	X								
<i>Rubus pubescens</i>							X		
<i>Rubus spectabilis</i>							X		
<i>Salicornia rubra</i>				X					
<i>Salix barrattiana</i>							X		



Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Salix candida</i>				X					X
<i>Salix farriae</i>									X
<i>Salix maccalliana</i>									X
<i>Salix pedicellaris</i>							X		
<i>Salix pseudomonticola</i>				X					
<i>Salix tweedyi</i>									X
<i>Salix vestita</i> var. <i>erecta</i>									X
<i>Salix wolfii</i> var. <i>wolfii</i>							X		
<i>Sanicula graveolens</i>				X					
<i>Sanicula marilandica</i>							X		X
<i>Saussurea densa</i>							X		
<i>Saussurea weberi</i>							X		
<i>Saxifraga adscendens</i> var. <i>oregonensis</i>									X
Tobias' saxifrage, <i>Saxifraga bryophora</i> var. <i>tobiasiae</i>								X	
<i>Saxifraga cernua</i>									X
<i>Saxifraga debilis</i>									X
<i>Saxifraga temperativa</i>							X		
Tolmie's saxifrage, <i>Saxifraga tolmie</i> var. <i>ledifolia</i>								X	
<i>Scheuchzeria palustris</i>							X		
<i>Scheuchzeria palustris</i> var. <i>americana</i>									X
<i>Scirpus cyperinus</i>									X
<i>Scirpus hudsonianus</i>							X		
<i>Scirpus subterminallis</i>				X			X		
<i>Scribneria bolanderi</i>									X
<i>Scutellaria nana</i> <i>nana</i>				X					
<i>Sedum lanceolatum</i> var. <i>rugicolum</i>							X		
<i>Senecio dimorphophyllus</i>									X
<i>Senecio ertterae</i>	X								
<i>Senecio porteri</i>									X
<i>Sidalcea oregana</i> var. <i>calva</i>									X
<i>Silene nuda</i> ssp. <i>insectivora</i>									X
<i>Silene seelyi</i>	X								X
<i>Silene spaldingii</i>	X			X					X
<i>Sisyrinchium sarmentosum</i>	X								X
<i>Sisyrinchium septentrionale</i>									X
<i>Sphaeromeria potentilloides</i>				X					
<i>Sphaerophorus globosus</i>				X					
<i>Spiraea densiflora</i> var. <i>splendens</i>									X
<i>Spiranthes romanzoiflana</i> var. <i>porrifolia</i>									X

**Table 4. Sensitive Vertebrate and Plant Species: BLM and Forest Service Regions in the ICBEMP Project Area\* (continued)**

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Sorobolus asper</i>				X					
<i>Stanleya confertiflora</i>				X					
<i>Stipa viridula</i>				X					
<i>Streptopus streptopoides</i>									X
<i>Streptopus streptopoides</i> var. <i>brevipes</i>							X		
<i>Stylocline filaginea</i>				X					
<i>Stylocline psilocarphoides</i>									X
<i>Suksdorfia violacea</i>									X
<i>Sullivantia oregana</i>	X								X
<i>Synthyris platycarpa</i>							X		
<i>Tauschia hooveri</i>	X								
<i>Tauschia stricklandii</i>									X
<i>Taucrium canadense</i> ssp. <i>viscidum</i>									X
<i>Tellima grandiflora</i>							X		
<i>Teucrium anadense occidentale</i>				X					
<i>Texosporium sancti-jacobi</i>	X			X					
<i>Thalictrum alpinum</i> var. <i>hebetum</i>									X
<i>Thalictrum dasycarpum</i>									X
worm lichen, <i>Thamnolia vermicularis</i>				X					
<i>Thelypodium brachycarpum</i>									X
<i>Thelypodium eucosmum</i>	X								X
<i>Thelypodium howellii</i> ssp. <i>howellii</i>									X
purple thick-leaved thelopody, <i>Thelypodium laciniatum streptanthoides</i>				X					
wavy-leaf thelopody, <i>Thelypodium repandum</i>				X				X	
<i>Thalictrum alpinum</i>							X		
<i>Thelypteris nevadensis</i>							X		
<i>Thelypteris phegopteris</i>							X		
Stanley thlaspi, <i>Thlaspi aileeniae</i>								X	
<i>Thlaspi parviflorum</i>							X		
<i>Tillaecea aquatica</i>									X
out-of-tune sticky tofieldia, <i>Tofieldia glutinosa</i> var. <i>absona</i>								X	
<i>Townsendia montana</i>									X
<i>Townsendia parryi</i>									X
<i>Townsendia scapigera</i>				X					
<i>Triantella arctica</i>							X		
<i>Triantella latifolia</i>							X		

Species	BLM						Forest Service Region		
	OR/WA	WY	MT	ID	NV	UT	R 1	R 4	R 6
<i>Trifolium eriocephalum</i>							X		
<i>Trifolium gymnocarpon</i>							X		
<i>Trifolium leibergii</i>	X					X		X	
<i>Trifolium owyheense</i>	X			X					
<i>Trifolium plumosum amplifolium</i>				X					
<i>Trifolium thompsonii</i>	X								X
<i>Trollius laxus</i> var. <i>albiflorus</i>									X
<i>Ulotia megalospora</i>				X					
<i>Utricularia minor</i>									X
<i>Vaccinium myrtilloides</i>									X
<i>Vaccinium oxycoccos</i>							X		
<i>Veratrum californicum</i>							X		
<i>Viola renifolia</i>							X		
Idaho range lichen, <i>Xanthoparmelia idahoensis</i>								X	
Idaho strawberry, <i>Waldsteinia idahoensis</i>				X			X		
<i>Wolffia columbiana</i>									X
Idaho range lichen, <i>Xanthoparmelia idahoensis</i>				X					

\* Excluding federally listed threatened, endangered, proposed, or candidate species.

#### SOURCES:

##### BLM State Lists:

*Idaho* - Mallet, J. and Hahn, M.G. 1996. Sensitive Species Supplement to the Master Memorandum of Understanding Between the Idaho Department of Fish and Game and the Bureau of Land Management, signed by Director, Idaho Fish and Game and Idaho State Director, BLM; attachments: Sensitive Species List-Animals, Sensitive Species List-Plants. List covers only those BLM districts that lie wholly or in part within the ICBEMP project area.

*Montana* - (1) US Fish & Wildlife Service. 1996. Memorandum to Deputy State Director, Division of Resources, Montana State Office, BLM, from Field Supervisor, Montana Field Office, USDI Fish and Wildlife Service, regarding Section 7 Consultation-Implementation of Standards for Rangeland Health, Appendix F and Appendix G, Helena, Montana, USDI Fish and Wildlife Service, Ecological Services. (2) USDI Bureau of Land Management, Manual 6840 Supplement, Special Status Species Management, April 8, 1996, 31 pp. (3) D. McCleerey, BLM Garnet Resource Area, Butte District, personal communication 3/14/97. List covers only those BLM districts that lie wholly or in part within the ICBEMP project area.

*Nevada* - Morgan, A.J. 1996. (1) Instruction Memorandum No. NV-96-019, from State Director, Nevada, to District Managers, Nevada, regarding Nevada Sensitive Species List, dated March 20, 1996, Reno, NV: USDI BLM Nevada State Office; attachments: (a) List of Sensitive Wildlife Species Agreed by Nevada Department of Fish and Game and the Nevada State Office of BLM, signed 4/78; (b) USDI Fish and Wildlife Service, Nevada State Office, Candidate and Proposed Species of Nevada, updated February 8, 1995. (2) Nevada Natural Heritage Program, Sensitive Plant Occurrences within the Columbia Basin, unpublished data, 3/18/97. (3) District Biologists, BLM Elko and Winnemucca Districts, personal communication, 3/17/97. List covers only those BLM districts that lie wholly or in part within the ICBEMP project area.

*Oregon/Washington* - (1) BLM Oregon/Washington Special Species Status Database. 1997. (2) B.Hill, BLM State Office Special Status Species Biologist, personal communication, 3/17/97. List covers only those BLM districts that lie wholly or in part within the ICBEMP project area.

*Utah* - Lamb, G.W. 1996. (1) Instruction Memorandum No. UT96-69, from State Director to AFOs, regarding Interim Utah Bureau of Land Management Sensitive List Policy, dated August 28, 1996, Salt Lake City, UT: Utah State Office, USDI, BLM; attachments: (a) Utah Division of Wildlife Resources, Native Utah Wildlife Species of Special Concern (6 pp); (b)

Modified Interagency Rare Plant Working Group Plant List (4 pp). (2) J. Brown, BLM Salt Lake District, personal communication, 3/17/97. List covers only those BLM districts that lie wholly or in part within the ICBEMP project area.

*Wyoming* - (1) Fertig, W. 1996. Wyoming Plant Species of Special Concern, 1996 edition, Laramie, WY: Wyoming Natural Diversity Database; (2) Wyoming Game and Fish Department, Nongame Bird and Mammal Plan. (3) J. Dunder, BLM Green River Resource Area, Rock Springs District, personal communication, 3/17/97. (4) D. Roberts, BLM State Office, personal communication, 3/17/97. List covers only those BLM districts that lie wholly or in part within the ICBEMP project area.

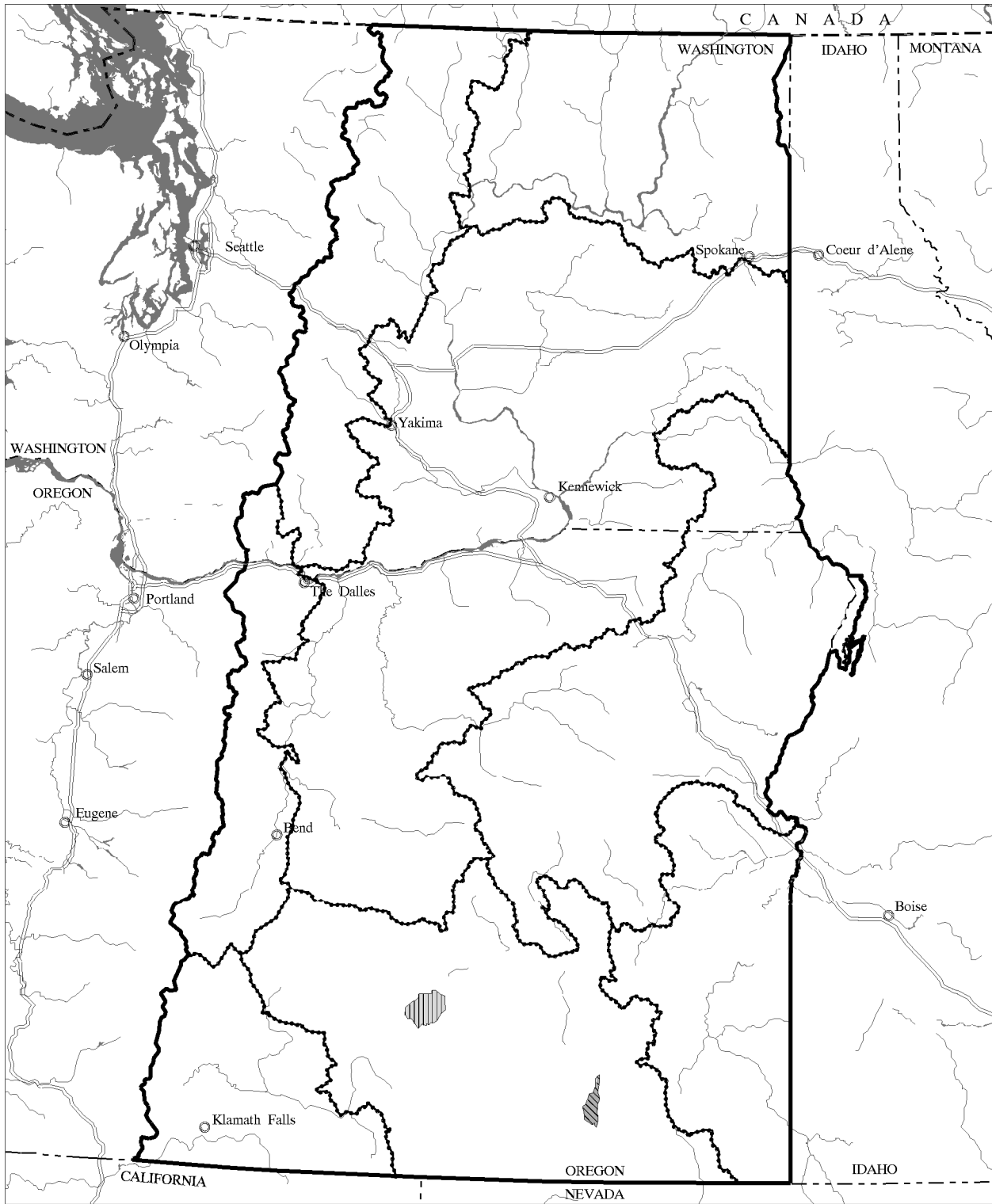
**Forest Service Region Lists:**

R1 - Jolly, D. F. 1994. Update of Northern Region Sensitive Species List (1994), Memorandum to Forest Supervisors from Regional Forester, dated June 10, 1994; attachments: (a) TES List Update Changes, Northern Region Final, 6/94 (2 pp); (b) Regional Briefing, Final Region 1 Sensitive Species Update, Summary 1994 (2 pp); (c) Table 1-Wildlife, Fish and Sensitive Plants, June 94, Final (14 pp). List is for only those National Forests in Region 1 that lie wholly or in part within the ICBEMP Project Area.

R4 - (1) Wildlife, Fish & Rare Plant Staff, R4, 1995. Updated Proposed, Endangered, Threatened, and Sensitive (PETS) Species List for R4, Memorandum from T. C. Lanier, dated 11/95; attachment: Intermountain Region Proposed, Endangered, Threatened, and Sensitive Species (11/95 Update), Known/Suspected Distribution By Forest (23 pp). (2) K. Ramsey, Fisheries Biologist, Humboldt National Forest, 3/17/97. Lists are for only those National Forests that lie wholly or in part within the ICBEMP Project Area.

R6 - (1) Document !2670 ID 90-1, Sensitive Animal List, Region 6, U.S. Forest Service, revised March 1989, with annotations dated 12/30/96; Sensitive Plant List, Region 6, U.S. Forest Service, Revised March 1991, with annotations dated 12/30/96 (37 pp). (2) P. Ormsbee, Wildlife Ecologist, Willamette National Forest, personal communication, 3/18/97. Lists are for only those National Forests that lie wholly or in part within the ICBEMP Project Area.

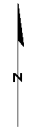
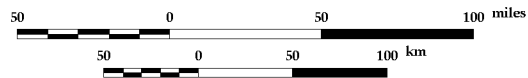
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**Appendix 2-1.  
Map 1.  
Distribution of  
Borax Lake Chub and Hutton Tui Chub**

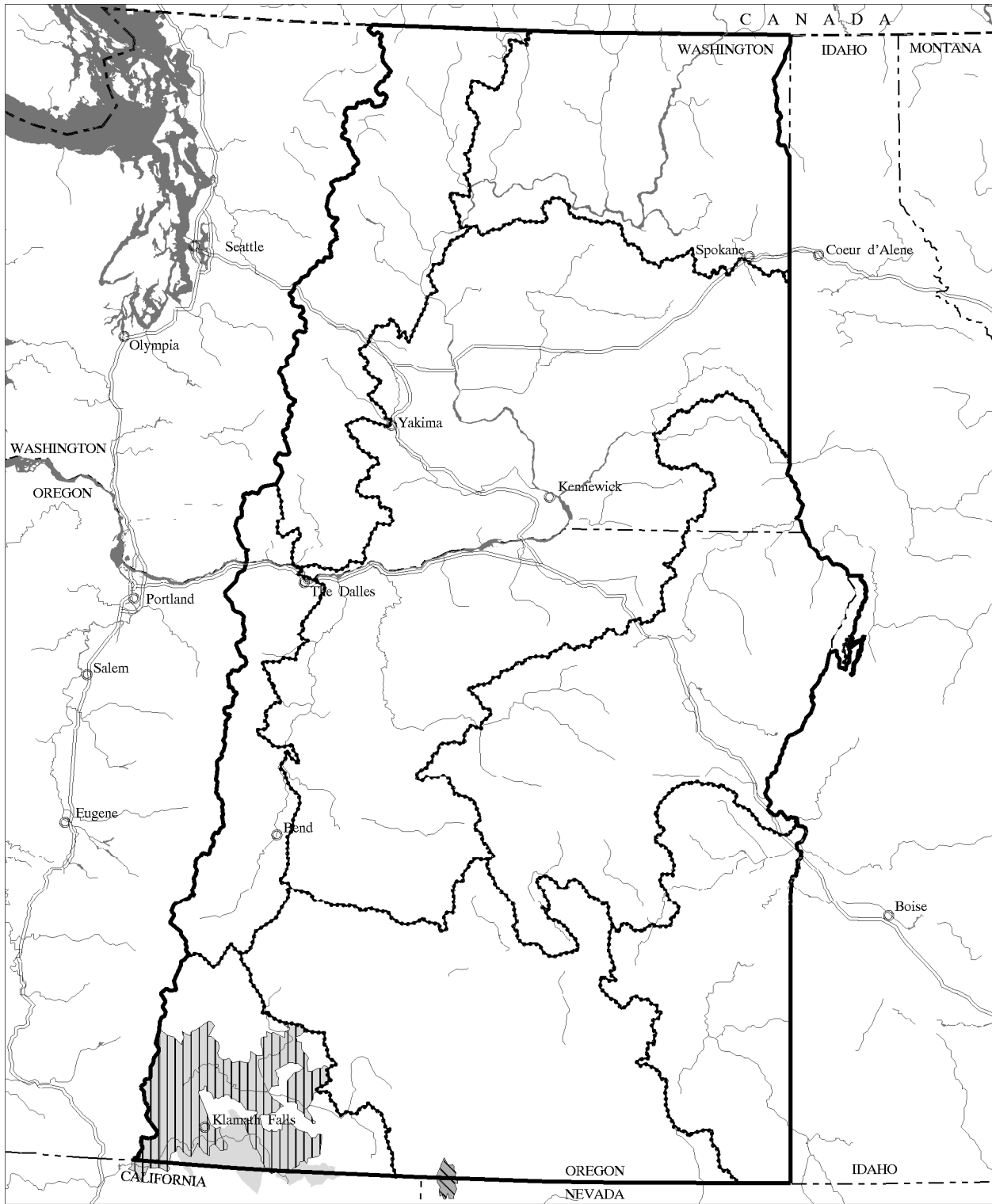
INTERIOR COLUMBIA  
BASIN ECOSYSTEM  
MANAGEMENT PROJECT

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1996



- |   |  |   |                                   |
|---|--|---|-----------------------------------|
|  | Historical Distribution of Borax Lake Chub |  | Major Rivers                      |
|  | Current Distribution of Borax Lake Chub    |  | Major Roads                       |
|  | Historical Distribution of Hutton Tui Chub |  | EIS Area Border                   |
|  | Current Distribution of Hutton Tui Chub    |  | Ecological Reporting Unit Border* |
|   |  |  | Cities and Towns                  |

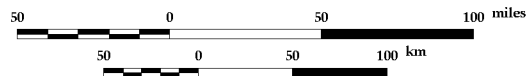
\*Ecological reporting unit names and numbers are found on Map 1-1.












**Appendix 2-1.  
Map 2.  
Distribution of  
Foskett Speckled Dace and Shortnose Sucker**

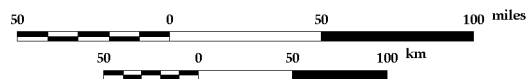
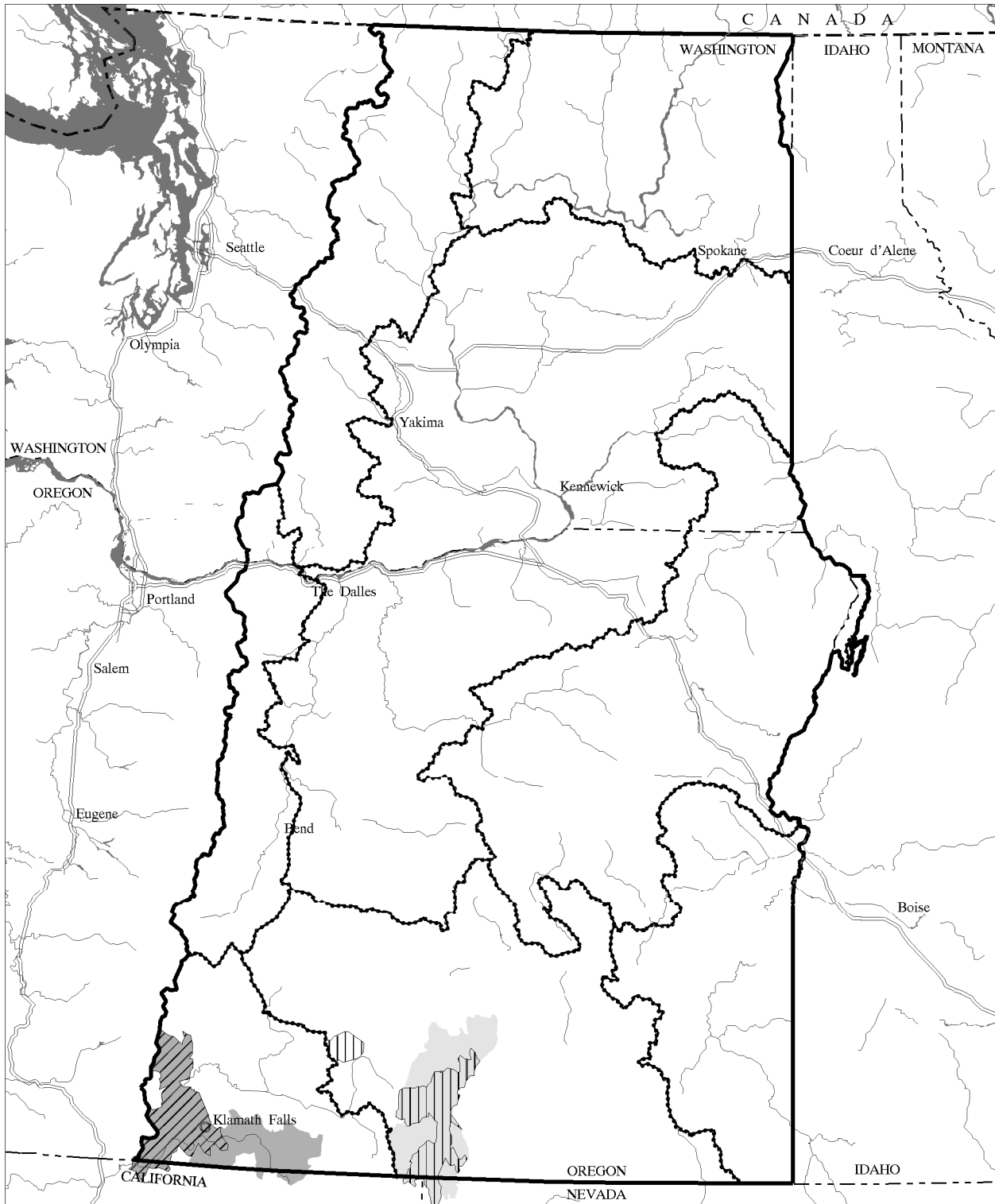
INTERIOR COLUMBIA  
BASIN ECOSYSTEM  
MANAGEMENT PROJECT

Draft EASTSIDE EIS  
1996



- |   |   |   |  |
|---|---|---|--|
|  | <i>Historical Distribution of Foskett Speckled Dace</i> |  | <i>Major Rivers</i>                      |
|  | <i>Current Distribution of Foskett Speckled Dace</i>    |  | <i>Major Roads</i>                       |
|  | <i>Historical Distribution of Shortnose Sucker</i>      |  | <i>EIS Area Border</i>                   |
|  | <i>Current Distribution of Shortnose Sucker</i>         |  | <i>Ecological Reporting Unit Border*</i> |
|   |   |  | <i>Cities and Towns</i>                  |

\*Ecological reporting unit names and numbers are found on Map 1-1.



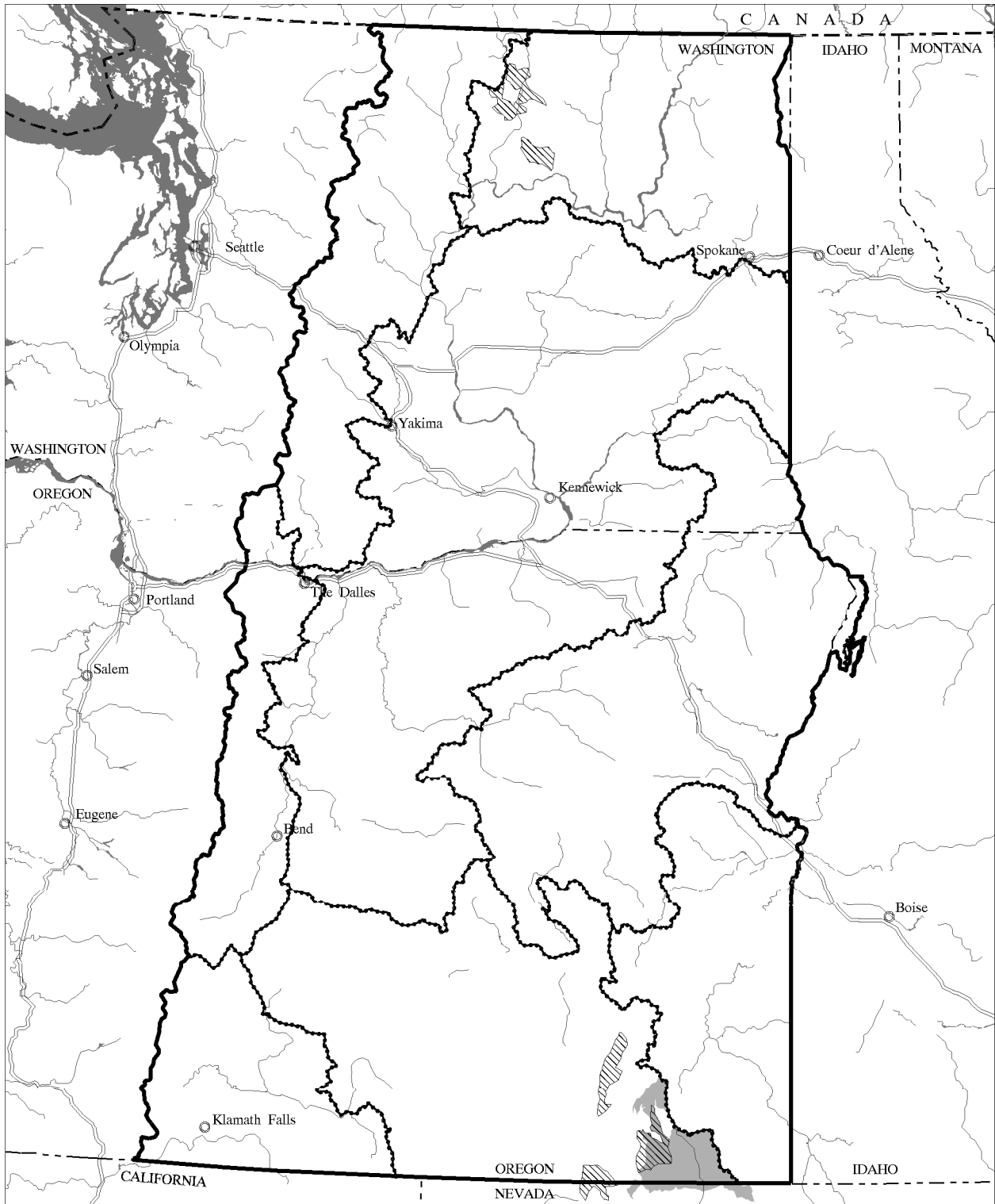
**Appendix 2-1.  
Map 3.  
Distribution of  
Lost River Sucker and Warner Sucker**

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MANAGEMENT PROJECT

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1996

- Historical Distribution of Lost River Sucker
- Current Distribution of Lost River Sucker
- Historical Distribution of Warner sucker
- Current Distribution of Warner sucker
- Major Rivers
- Major Roads
- EIS Area Border
- Ecological Reporting Unit Border\*
- Cities and Towns

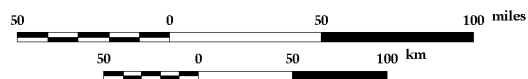
\*Ecological reporting unit names and numbers are found on Map 1-1.










**Appendix 2-1.  
Map 4.  
Distribution of  
Lahontan Cutthroat Trout**

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BASIN ECOSYSTEM  
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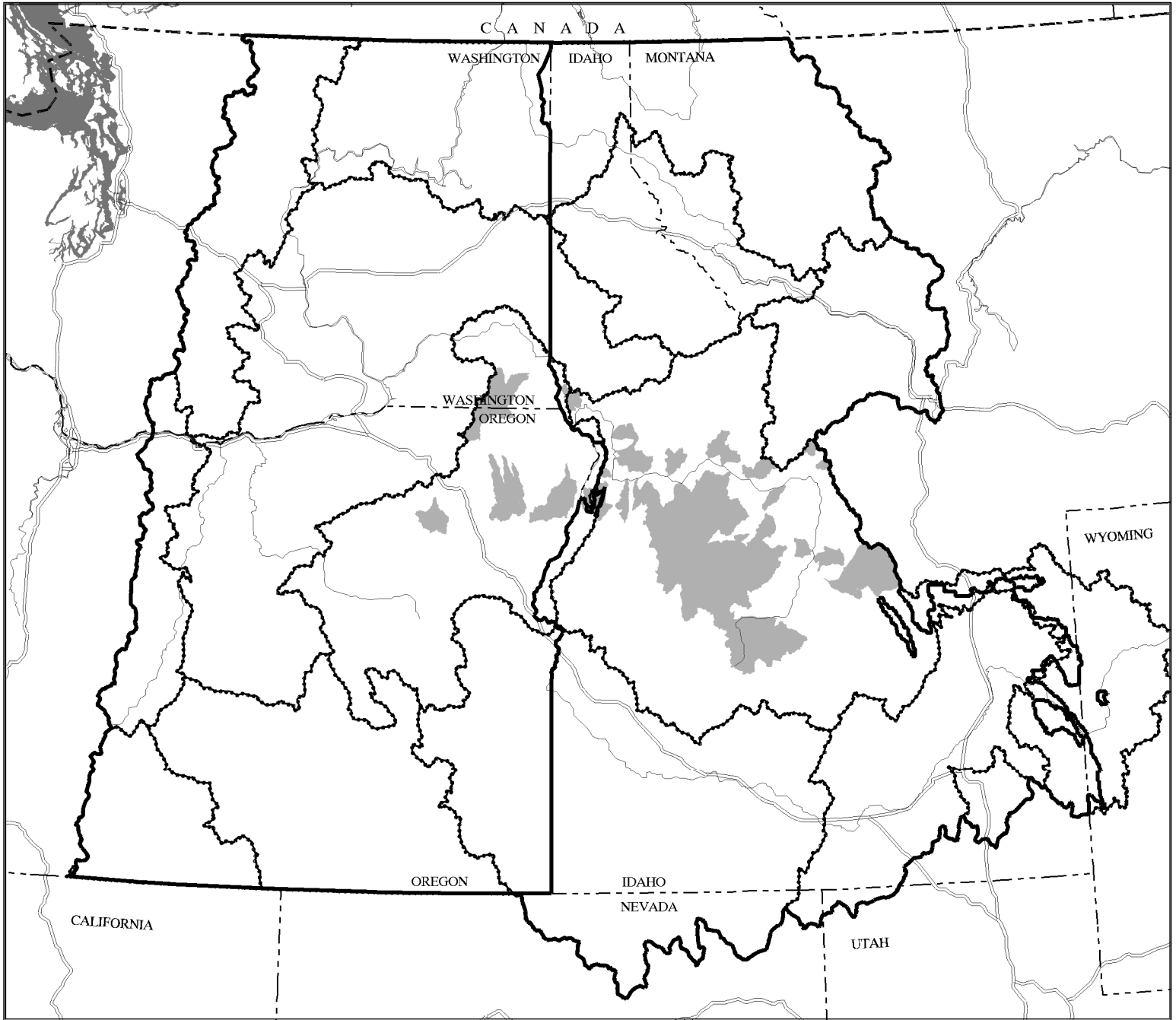
Draft EASTSIDE EIS  
1996



- |   |   |   |                                   |
|---|---|---|-----------------------------------|
|  | Historical Distribution of Lahontan Cutthroat Trout |  | Major Rivers                      |
|  | Current Distribution of Lahontan Cutthroat Trout    |  | Major Roads                       |
|   |   |  | EIS Area Border                   |
|   |   |  | Ecological Reporting Unit Border* |
|   |   |  | Cities and Towns                  |

\*Ecological reporting unit names and numbers are found on Map 1-1.










**Appendix 2-1**  
**Map 5**  
**Snake River Salmon**  
**High Priority Watersheds**

*BLM and Forest Service  
 Administered Lands Only*

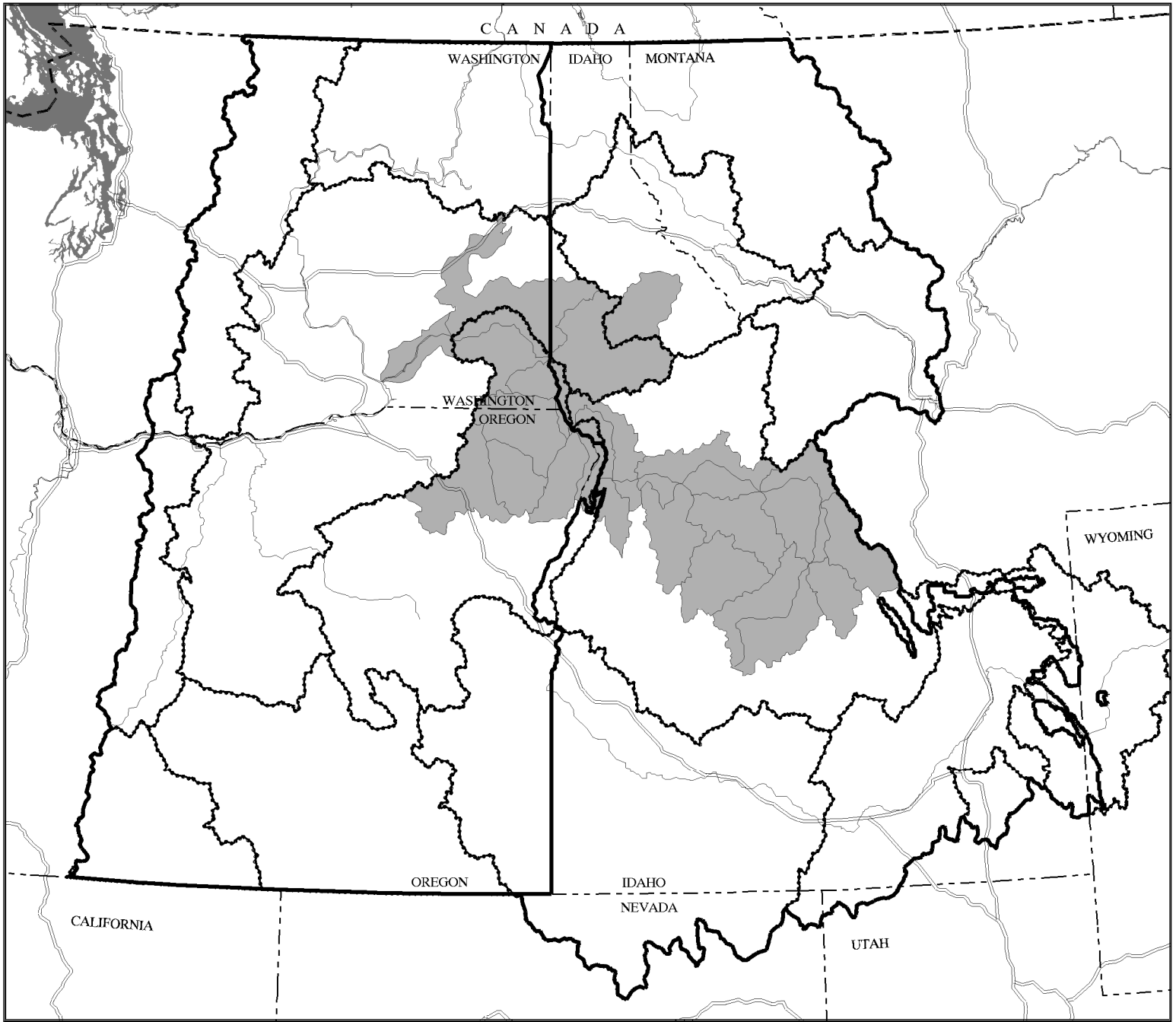
INTERIOR COLUMBIA  
 BASIN ECOSYSTEM  
 MANAGEMENT PROJECT

Project Area  
 1996



-  High Priority Watershed
-  Major Streams
-  Major Roads
-  EIS Area Border
-  ERU Boundaries

\*Ecological reporting unit names and numbers are found on Map 1-1.

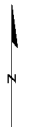






**Appendix 2-1**  
**Map 6**  
**Critical Habitat for Snake River**  
**Spring, Summer, and Fall Chinook Salmon**  
**and Snake River Sockeye Salmon\*\***

*BLM and Forest Service  
 Administered Lands Only*

INTERIOR COLUMBIA  
 BASIN ECOSYSTEM  
 MANAGEMENT PROJECT

Project Area  
 1996



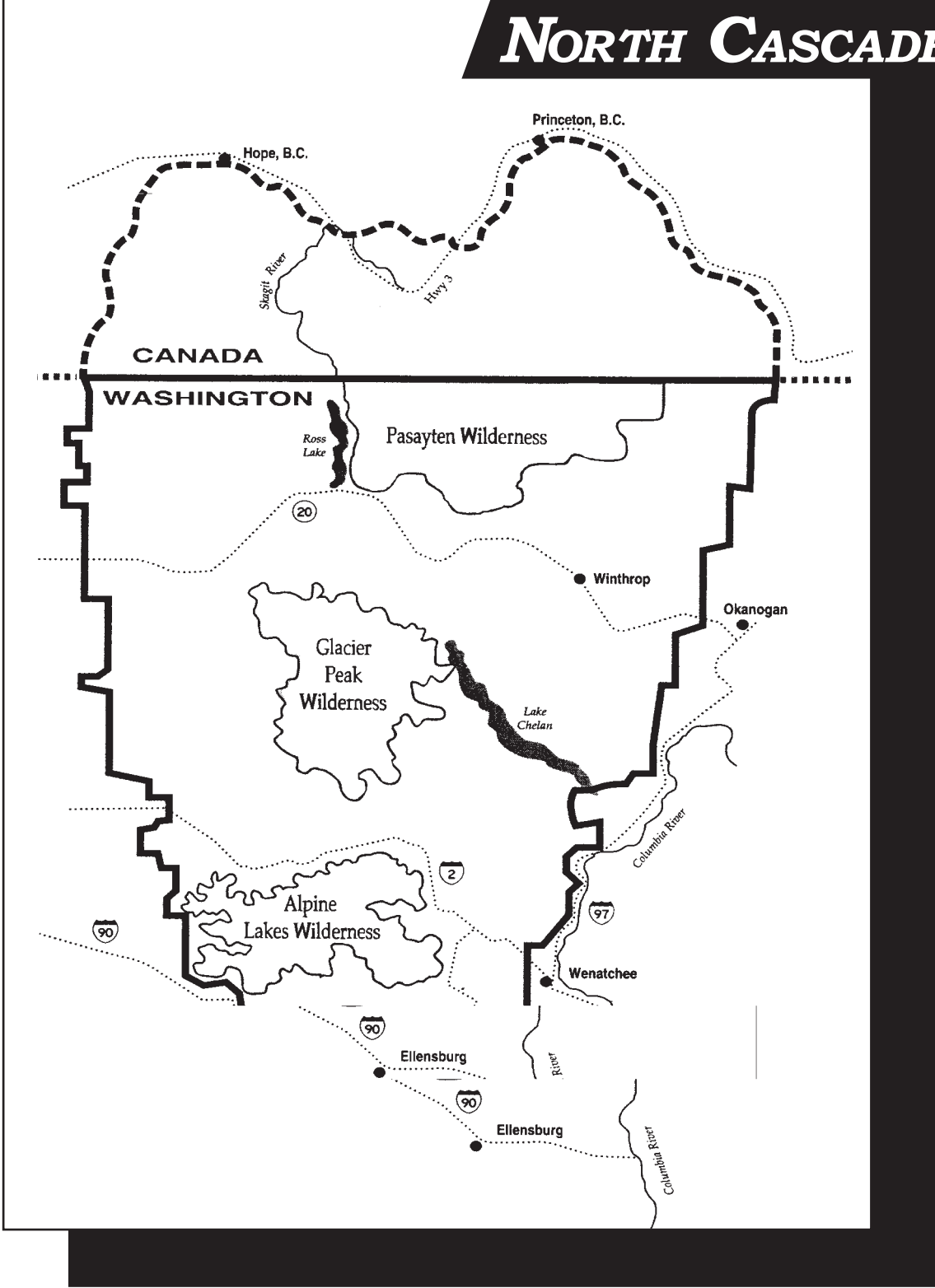
-  Critical Habitat
-  Major Rivers
-  Major Roads
-  EIS Area Border

\*Ecological reporting unit names and numbers are found on Map 1-1.

\*\*4th field hydrologic unit codes containing critical habitat for listed Snake River salmon species (Federal Register Vol. 58, No. 247, Dec. 28, 1993).

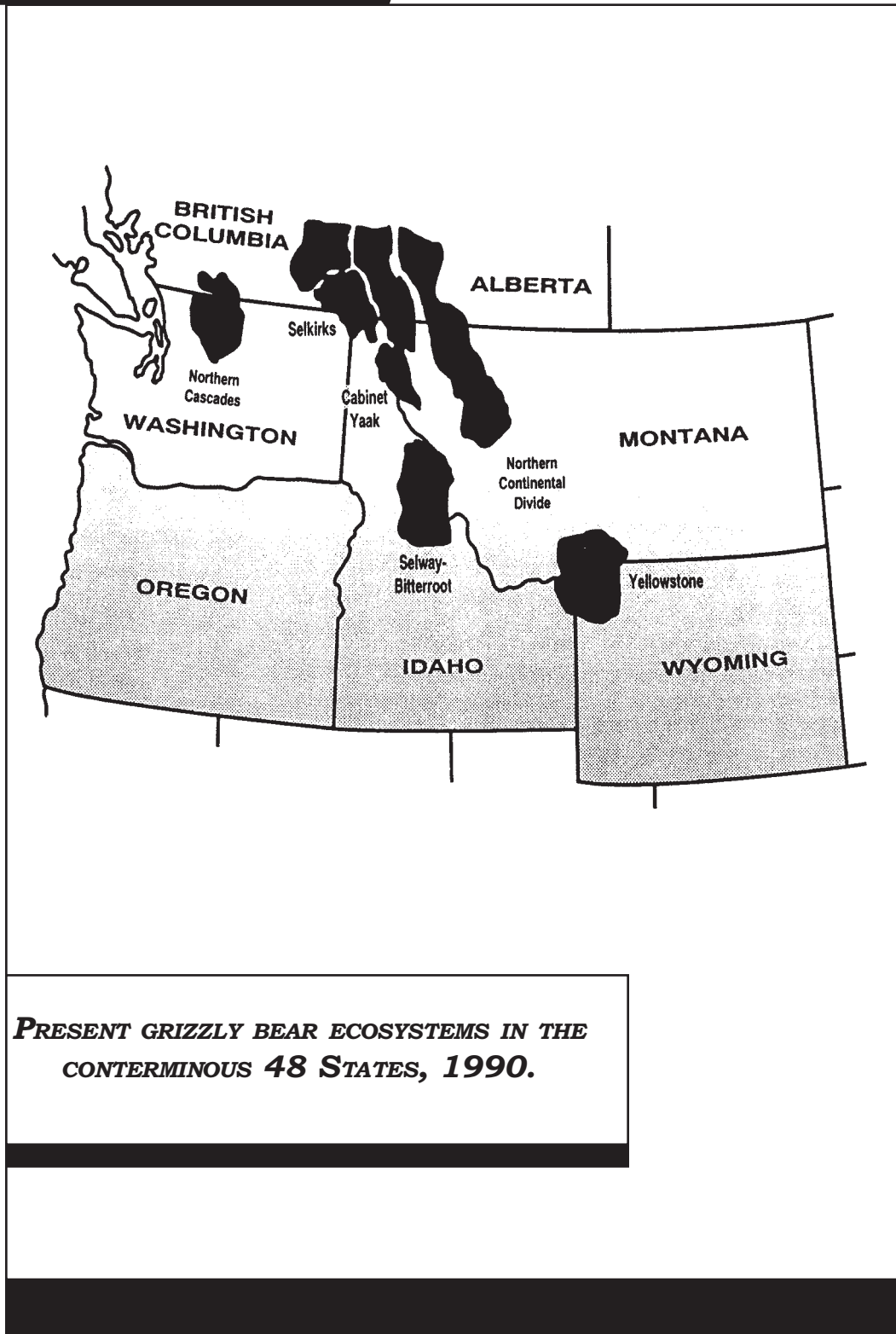
# GRIZZLY BEAR RECOVERY ZONE

## NORTH CASCADES



Map 7. Grizzly Bear Recovery Zone - North Cascades

# GRIZZLY BEAR RECOVERY ZONES



Map 8. Grizzly Bear Recovery Zones