

Appendix G: Species Monitoring Summary

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Bear Lake	Bear Lake Whitefish ²		x			x
Bear Lake	Bonneville Cisco ²		x			x
Bear Lake	Bonneville Whitefish ²		x			x
Bear Lake	Bear Lake Sculpin ²		x			x
Bear Lake	Western Toad ²	x		x	x	x
Bear Lake	Northern Leopard Frog ²		x	x	x	x
Bear Lake	Trumpeter Swan ²		x		x	x
Bear Lake	Greater Sage-Grouse ¹		x	x	x	
Bear Lake	Sharp-tailed Grouse ²		x	x	x	
Bear Lake	Western Grebe ²	x				x
Bear Lake	Clark's Grebe ²	x				x
Bear Lake	American Bittern ²		x			x
Bear Lake	White-faced Ibis ²		x	x	x	x
Bear Lake	Ferruginous Hawk ²		x	x	x	
Bear Lake	Golden Eagle ²		x	x	x	
Bear Lake	Sandhill Crane ³			x	x	x
Bear Lake	Long-billed Curlew ²	x		x		
Bear Lake	Franklin's Gull ³		x			x
Bear Lake	California Gull ²		x			x
Bear Lake	Caspian Tern ²		x			x
Bear Lake	Black Tern ²	x				x
Bear Lake	Short-eared Owl ³	x		x	x	
Bear Lake	Common Nighthawk ³	x		x		
Bear Lake	Sage Thrasher ²			x		
Bear Lake	Sagebrush Sparrow	x				
Bear Lake	Grasshopper Sparrow ³	x				
Bear Lake	Pygmy Rabbit ²		x	x		
Bear Lake	Townsend's Big-eared Bat ³			x		
Bear Lake	Silver-haired Bat ²			x		
Bear Lake	Hoary Bat ²			x		
Bear Lake	Western Small-footed Myotis ³			x		
Bear Lake	Little Brown Myotis ³			x		
Bear Lake	California Floater ³	x		x		
Bear Lake	Pondsnail (<i>Stagnicola</i>) Species Group ³	x		x		
Bear Lake	Rotund Physa ³	x		x		
Bear Lake	Rocky Mountain Dusksnail ²	x		x		
Bear Lake	Bear Lake Springsnail ¹	x		x		
Bear Lake	Lyrate Mountainsnail ²	x		x		
Bear Lake	A Tiger Beetle (<i>Cicindela decomnotata montevolans</i>)	x		x		
Bear Lake	Hunt's Bumble Bee ³	x				
Bear Lake	Morrison's Bumble Bee ¹	x				
Bear Lake	Western Bumble Bee ¹	x				
Bear Lake	Suckley's Cuckoo Bumble Bee ¹	x				
Bear Lake	Kriemhild Fritillary ³	x				
Bear Lake	Monarch ³	x				
Bear Lake	Utah Sallfly ³	x		x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Snake River Basalts	Northern Leopard Frog ²					
Snake River Basalts	Western Toad ²					
Snake River Basalts	Trumpeter Swan ²					
Snake River Basalts	Greater Sage-Grouse ¹			x		
Snake River Basalts	Sharp-tailed Grouse ²					
Snake River Basalts	Clark's Grebe ²					
Snake River Basalts	Western Grebe ²					
Snake River Basalts	American White Pelican ²					
Snake River Basalts	American Bittern ²					
Snake River Basalts	White-faced Ibis ²					
Snake River Basalts	Ferruginous Hawk ²					
Snake River Basalts	Golden Eagle ²					
Snake River Basalts	Sandhill Crane ³					
Snake River Basalts	Long-billed Curlew ²			x		
Snake River Basalts	Franklin's Gull ³					
Snake River Basalts	Ring-billed Gull ³					
Snake River Basalts	California Gull ²					
Snake River Basalts	Caspian Tern ²					
Snake River Basalts	Black Tern ²					
Snake River Basalts	Yellow-billed Cuckoo ¹					
Snake River Basalts	Burrowing Owl ²			x		
Snake River Basalts	Short-eared Owl ³			x		
Snake River Basalts	Common Nighthawk ³			x		
Snake River Basalts	Sage Thrasher ²			x		
Snake River Basalts	Sagebrush Sparrow ²			x		
Snake River Basalts	Grasshopper Sparrow ³			x		
Snake River Basalts	Hoary Bat ²	x				
Snake River Basalts	Little Brown Myotis ³	x	x			
Snake River Basalts	Pygmy Rabbit ²					
Snake River Basalts	Silver-haired Bat ²					
Snake River Basalts	Townsend's Big-eared Bat ³	x	x			
Snake River Basalts	Western Small-footed Myotis ³	x	x			
Snake River Basalts	California Floater ³					
Snake River Basalts	Western Pearlshell ²					
Snake River Basalts	Western Ridged Mussel ³					
Snake River Basalts	Snake River Physa ¹					
Snake River Basalts	Bliss Rapids Snail ¹					
Snake River Basalts	Pondsnail (<i>Stagnicola</i>) Species Group ³		x			
Snake River Basalts	Deseret Mountainsnail ²					
Snake River Basalts	A Cave Obligate Millipede (<i>Idagona westcotti</i>) ²		x			
Snake River Basalts	Snake River Pilose Crayfish ³					
Snake River Basalts	A Cave Obligate Mite (<i>Flabellorhagidia pecki</i>) ²		x			
Snake River Basalts	A Cave Obligate Harvestman (<i>Speleomaster lexi</i>) ²		x			
Snake River Basalts	A Cave Obligate Harvestman (<i>Speleomaster pecki</i>) ²		x			
Snake River Basalts	Idaho Point-headed Grasshopper ²	x				
Snake River Basalts	Spur-throated Grasshoppers (<i>Melanoplus</i>) Species Group ³	x				
Snake River Basalts	A Metallic Wood-boring Beetle (<i>Agrius pubifrons</i>) ³	x				
Snake River Basalts	A Metallic Wood-boring Beetle	x				

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
	<i>(Chrysobothris horningi)</i> ²					
Snake River Basalts	A Metallic Wood-boring Beetle <i>(Chrysobothris idahoensis)</i> ²	x				
Snake River Basalts	Idaho Dunes Tiger Beetle ²		x			
Snake River Basalts	Blind Cave Leiodid Beetle ¹		x			
Snake River Basalts	An Ant-like Flower Beetle <i>(Amblyderus owyhee)</i> ²	x				
Snake River Basalts	A Long-horned Beetle (<i>Judolia gaurotoides</i>) ³	x				
Snake River Basalts	A Leafcutting Bee (<i>Ashmeadiella sculleni</i>) ³	x				
Snake River Basalts	Hunt's Bumble Bee ³	x				
Snake River Basalts	Morrison's Bumble Bee ¹	x				
Snake River Basalts	A Miner Bee (<i>Calliopsis barri</i>) ²	x				
Snake River Basalts	A Mason Bee (<i>Hoplitis producta subgracilis</i>) ³	x				
Snake River Basalts	A Yellow-masked Bee (<i>Hylaeus lunicraterius</i>) ³	x				
Snake River Basalts	Monarch ³	x		x		
Snake River Basalts	Wiest's Primrose Sphinx ³	x				
Snake River Basalts	A Caddisfly (<i>Glossosoma idaho</i>) ³					
Snake River Basalts	A Mayfly (<i>Parameletus columbiae</i>) ³					
NWBasinRange	Western Toad ²		x	x		x
NWBasinRange	Northern Leopard Frog ²			x		x
NWBasinRange	Greater Sage-Grouse ¹			x		
NWBasinRange	Sharp-tailed Grouse ²			x		
NWBasinRange	Western Grebe ²		x	x		x
NWBasinRange	Clark's Grebe ²		x	x		x
NWBasinRange	American White Pelican ²			x		
NWBasinRange	Ferruginous Hawk ²			x		
NWBasinRange	Golden Eagle ²			x		
NWBasinRange	Sandhill Crane ³			x		x
NWBasinRange	Long-billed Curlew ²		x	x		
NWBasinRange	Ring-billed Gull ³		x	x		
NWBasinRange	California Gull ²		x	x		
NWBasinRange	Caspian Tern ²		x	x		
NWBasinRange	Burrowing Owl ²		x	x		
NWBasinRange	Short-eared Owl ³		x	x		
NWBasinRange	Common Nighthawk ³		x	x		
NWBasinRange	Pinyon Jay ²			x		
NWBasinRange	Sage Thrasher ²			x		
NWBasinRange	Sagebrush Sparrow ²			x		
NWBasinRange	Grasshopper Sparrow ³			x		
NWBasinRange	Red Crossbill (South Hills popn) ²					
NWBasinRange	Pygmy Rabbit ²			x		
NWBasinRange	Townsend's Big-eared Bat ³			x		x
NWBasinRange	Silver-haired Bat ²					
NWBasinRange	Hoary Bat ²					
NWBasinRange	Little Brown Myotis ³			x		x
NWBasinRange	Bighorn Sheep ²			x	x	
NWBasinRange	California Floater ³			x		
NWBasinRange	Rocky Mountain Dusksnail ²	x				
NWBasinRange	Bear Lake Springsnail ¹	x	x	x		x
NWBasinRange	Hunt's Bumble Bee ³			x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
NWBasinRange	Morrison's Bumble Bee ¹			x		
NWBasinRange	Western Bumble Bee ¹			x		
NWBasinRange	Suckley's Cuckoo Bumble Bee ¹			x		
NWBasinRange	A Mason Bee (<i>Hoplitis producta subgracilis</i>) ³			x		
NWBasinRange	A Miner Bee (<i>Hesperapis kayella</i>) ³			x		x
NWBasinRange	Kriemhild Fritillary ³					
NWBasinRange	Monarch ³			x		
NWBasinRange	A Caddisfly (<i>Eocosmoecus schmidti</i>) ³			x		x
NWBasinRange	Snake River Pilose Crayfish ³	x	x	x		x
Yellowstone	Western Toad ²			x		
Yellowstone	Northern Leopard Frog ²			x		
Yellowstone	Trumpeter Swan ²			x		
Yellowstone	Greater Sage-Grouse ¹			x		
Yellowstone	Sharp-tailed Grouse ²			x		
Yellowstone	Common Loon ²					
Yellowstone	Western Grebe ²					
Yellowstone	American White Pelican ²			x		
Yellowstone	White-faced Ibis ²			x		
Yellowstone	Sandhill Crane ³			x		
Yellowstone	Long-billed Curlew ²			x		
Yellowstone	Franklin's Gull ³					
Yellowstone	Ring-billed Gull ³					
Yellowstone	California Gull ²					
Yellowstone	Caspian Tern ²					
Yellowstone	Great Gray Owl ³					
Yellowstone	Short-eared Owl ³			x		
Yellowstone	Olive-sided Flycatcher ³					
Yellowstone	Clark's Nutcracker ³					
Yellowstone	Bobolink ²			x		
Yellowstone	Silver-haired Bat ²			x		
Yellowstone	Hoary Bat ²			x		
Yellowstone	Little Brown Myotis ³			x		
Yellowstone	Wolverine ¹					
Yellowstone	Grizzly Bear ¹			x	x	
Yellowstone	Western Pearlshell ²			x		
Yellowstone	Pondsnail species group (<i>Stagnicola</i> spp.) ³			x		
Yellowstone	Rocky Mountain Dusksnail ²					
Yellowstone	Western Bumble Bee ¹			x		
Yellowstone	Suckley's Cuckoo Bumble Bee ¹			x		
Yellowstone	Kriemhild Fritillary ³			x		
Yellowstone	Monarch ³			x		
Yellowstone	Gillette's Checkerspot ³			x		
Yellowstone	A Caddisfly (<i>Glossosoma idaho</i>) ³			x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Beaverhead	Pacific Lamprey					
Beaverhead	Steelhead (Snake River Basin DPS)					
Beaverhead	Sockeye Salmon (Snake River ESU)					
Beaverhead	Chinook Salmon (spring/summer-run ESU)					
Beaverhead	Western Toad			x		
Beaverhead	Harlequin Duck		x			
Beaverhead	Greater Sage-Grouse			x		
Beaverhead	Ferruginous Hawk			x		
Beaverhead	Golden Eagle			x		
Beaverhead	Sandhill Crane			x		
Beaverhead	Long-billed Curlew			x		
Beaverhead	Burrowing Owl			x		
Beaverhead	Short-eared Owl			x		
Beaverhead	Great Gray Owl			x		
Beaverhead	Common Nighthawk			x		
Beaverhead	Lewis's Woodpecker			x		
Beaverhead	Olive-sided Flycatcher			x		
Beaverhead	Clark's Nutcracker			x		
Beaverhead	Sage Thrasher			x		
Beaverhead	Sagebrush Sparrow			x		
Beaverhead	Bobolink					
Beaverhead	Black Rosy-Finch	x	x	x		
Beaverhead	Pygmy Rabbit			x		
Beaverhead	Townsend's Big-eared Bat			x		
Beaverhead	Silver-haired Bat			x		
Beaverhead	Hoary Bat			x		
Beaverhead	Western Small-footed Myotis			x		
Beaverhead	Little Brown Myotis			x		
Beaverhead	Wolverine		x	x	x	
Beaverhead	Fisher		x	x		
Beaverhead	Grizzly Bear			x		
Beaverhead	Mountain Goat			x		
Beaverhead	Bighorn Sheep			x	x	
Beaverhead	Hoary Marmot	x	x			
Beaverhead	Western Pearlshell	x	x			
Beaverhead	Pondsnail (<i>Stagnicola</i>) Species Group	x	x			
Beaverhead	Lyrate Mountainsnail	x	x			
Beaverhead	Alpine Tiger Beetle	x	x			
Beaverhead	Lolo Mayfly	x	x			
Beaverhead	A Mayfly (<i>Cinygma dimicki</i>)	x	x			
Beaverhead	Hunt's Bumble Bee	x	x	x		
Beaverhead	Morrison's Bumble Bee	x	x			

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Beaverhead	Western Bumble Bee	x	x	x		
Beaverhead	Suckley's Cuckoo Bumble Bee	x	x	x		
Beaverhead	A Mason Bee (<i>Hoplitis producta</i>)	x	x			
Beaverhead	Beartooth Copper	x	x			
Beaverhead	Monarch	x	x	x		
Beaverhead	Gillette's Checkerspot	x	x	x		
Beaverhead	Idaho Point-headed Grasshopper	x	x			
Beaverhead	A Grasshopper (<i>Argiacris amissuli</i>)	x	x			
Beaverhead	A Grasshopper (<i>Argiacris militaris</i>)	x	x			
Beaverhead	A Grasshopper (<i>Barracris petraea</i>)	x	x			
Beaverhead	Spur-throated Grasshopper (<i>Melanoplus</i>) Species Group	x	x			
Beaverhead	Lolo Sawfly	x	x			
Beaverhead	Tiny Forestfly	x	x			
Beaverhead	A Caddisfly (<i>Eocosmoecus schmidi</i>)	x	x			
Beaverhead	A Caddisfly (<i>Rhyacophila oreia</i>)	x	x			
Beaverhead	A Caddisfly (<i>Goereilla baumanni</i>)	x	x			
Beaverhead	A Caddisfly (<i>Sericostriata surdickae</i>)	x	x			
Challis	Pacific Lamprey ¹					
Challis	Steelhead (Snake River Basin DPS) ¹					
Challis	Sockeye Salmon (Snake River ESU) ¹					
Challis	Chinook Salmon (Snake River spring/summer-run ESU) ¹					
Challis	Western Toad ²			x		x
Challis	Harlequin Duck ²					
Challis	Greater Sage-Grouse ¹			x		x
Challis	Ferruginous Hawk ²			x		x
Challis	Golden Eagle ²			x		x
Challis	Sandhill Crane ³			x		
Challis	Long-billed Curlew ²			x		x
Challis	Yellow-billed Cuckoo ¹					
Challis	Burrowing Owl ²			x		x
Challis	Great Gray Owl ³			x		x
Challis	Short-eared Owl ³			x		x
Challis	Common Nighthawk ³			x		x
Challis	Lewis's Woodpecker ²			x		x
Challis	Olive-sided Flycatcher ³			x		x
Challis	Clark's Nutcracker ³					x
Challis	Sage Thrasher ²			x		x
Challis	Sagebrush Sparrow ²			x		x
Challis	Black-Rosy Finch ³	x	x	x		x
Challis	Pygmy Rabbit ²			x		x

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Challis	Townsend's Big-eared Bat ³		x	x	x	x
Challis	Silver-haired Bat ²		x	x	x	x
Challis	Hoary Bat ²		x	x	x	x
Challis	Western Small-footed Myotis ³		x	x	x	x
Challis	Little Brown Myotis ³		x	x	x	x
Challis	Wolverine ¹	x	x	x	x	x
Challis	Mountain Goat ³			x		
Challis	Bighorn Sheep ²			x	x	x
Challis	Hoary Marmot ³	x	x			
Challis	Western Pearlshell ²	x	x			
Challis	A Mayfly (<i>Ephemera alleni</i>) ²	x	x			
Challis	A Mayfly (<i>Parameletus columbiae</i>) ³	x	x			
Challis	A Mason Bee (<i>Hoplitis producta</i>) ³	x		x		x
Challis	A Miner Bee (<i>Andrena aculeata</i>) ³	x				
Challis	Hunt's Bumble Bee ³	x	x	x		x
Challis	Morrison's Bumble Bee ¹	x				x
Challis	Western Bumble Bee ¹	x	x	x		x
Challis	Suckley's Cuckoo Bumble Bee ¹	x	x	x		x
Challis	Monarch ³	x		x		x
Challis	A Grasshopper (<i>Argiacris keithi</i>) ³	x	x			
Challis	A Grasshopper (<i>Argiacris militaris</i>) ³	x	x			
Challis	Spur-throated Grasshopper (<i>Melanoplus</i>) Species Group ³	x	x			x
Challis	Tiny Forestfly ³	x	x			
Challis	A Caddisfly (<i>Eocosmoecus schmidti</i>) ³	x	x			
Challis	A Caddisfly (<i>Limnephilus challisa</i>) ³	x	x			
Challis	A Caddisfly (<i>Psychoglypha smithi</i>) ³	x	x			
Challis	A Caddisfly (<i>Sericostriata surdickae</i>) ³	x	x			
Overthrust	Northern Leopard Frog			x		
Overthrust	Western Toad			x		
Overthrust	Trumpeter Swan		x	x		
Overthrust	Harlequin Duck			x		
Overthrust	Greater Sage-Grouse			x		
Overthrust	Sharp-tailed Grouse			x		
Overthrust	American Bittern		x	x		
Overthrust	White-faced Ibis			x		
Overthrust	Golden Eagle			x		
Overthrust	Sandhill Crane			x		
Overthrust	Long-billed Curlew			x		
Overthrust	Franklin's Gull			x		
Overthrust	Black Tern			x		
Overthrust	Yellow-billed Cuckoo		x	x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Overthrust	Great Gray Owl			x		x
Overthrust	Common Nighthawk			x		
Overthrust	Sage Thrasher		x	x		
Overthrust	Grizzly Bear			x	x	x
Overthrust	Hoary Bat		x	x	x	x
Overthrust	Little Brown Myotis		x	x		x
Overthrust	Pygmy Rabbit			x		
Overthrust	Silver-haired Bat		x	x	x	x
Overthrust	Townsend's Big-eared Bat		x	x		x
Overthrust	Western Small-footed Myotis		x	x		x
Overthrust	Wolverine					
Overthrust	California Floater ³			x		
Overthrust	Pondsnail (<i>Stagnicola</i>) Species Group ³			x		
Overthrust	Rotund Physa ³					
Overthrust	Rocky Mountain Dusksnail ²			x		
Overthrust	Bear Lake Springsnail ¹			x		
Overthrust	Lyrate Mountainsnail ²					x
Overthrust	Thin-ribbed Mountainsnail ¹					x
Overthrust	A Tiger Beetle (<i>Cicindela decemnotata montevolans</i>) ²			x		
Overthrust	Hunt's Bumble Bee ³	x	x			
Overthrust	Morrison's Bumble Bee ¹	x	x			
Overthrust	Western Bumble Bee ¹	x	x			
Overthrust	Suckley's Cuckoo Bumble Bee ¹	x	x			
Overthrust	A Mason Bee (<i>Hoplitis producta subgracilis</i>) ³	x	x			
Overthrust	Kriemhild Fritillary ³			x		
Overthrust	Monarch ³			x		x
Overthrust	Spur-throated Grasshopper (<i>Melanoplus</i>) Species Group ³					
Overthrust	Utah Salfly ³			x		
Idaho Batholith	Pacific Lamprey ¹					
Idaho Batholith	Steelhead (Snake River Basin DPS) ¹					
Idaho Batholith	Sockeye Salmon (Snake River ESU) ¹					
Idaho Batholith	Chinook Salmon (Snake River fall-run ESU) ¹					
Idaho Batholith	Chinook Salmon (Snake River spring/summer-run ESU) ¹					
Idaho Batholith	Western Toad ²			x		x
Idaho Batholith	Harlequin Duck ²	x	x			
Idaho Batholith	Mountain Quail ²	x		x		x
Idaho Batholith	Western Grebe ²					
Idaho Batholith	Clark's Grebe ²					
Idaho Batholith	Golden Eagle ²					
Idaho Batholith	Sandhill Crane ³			x		x

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Idaho Batholith	Great Gray Owl ³					
Idaho Batholith	Common Nighthawk ³					
Idaho Batholith	Lewis's Woodpecker ²					
Idaho Batholith	White-headed Woodpecker ³					
Idaho Batholith	Olive-sided Flycatcher ³			x		
Idaho Batholith	Clark's Nutcracker ³			x		
Idaho Batholith	Black Rosy-Finch ³		x			
Idaho Batholith	Townsend's Big-eared Bat ³			x		x
Idaho Batholith	Silver-haired Bat ²			x		x
Idaho Batholith	Hoary Bat ²			x		x
Idaho Batholith	Little Brown Myotis ³			x		x
Idaho Batholith	Wolverine ¹			x		
Idaho Batholith	Fisher ²		x	x		
Idaho Batholith	Mountain Goat ³		x			
Idaho Batholith	Bighorn Sheep ²					
Idaho Batholith	Hoary Marmot ³		x			
Idaho Batholith	Northern Idaho Ground Squirrel ¹					
Idaho Batholith	Western Pearlshell ²	x	x			
Idaho Batholith	Western Ridged Mussel ³	x	x			
Idaho Batholith	Rotund Physa ³	x	x			
Idaho Batholith	Pristine Pyrg ²		x	x		x
Idaho Batholith	Salmon Oregonian ¹					
Idaho Batholith	Lolo Mayfly ²	x	x	x		x
Idaho Batholith	Lolo Sawfly ³	x	x			
Idaho Batholith	Cascades Needlefly ³			x		x
Idaho Batholith	Idaho Forestfly ³					x
Idaho Batholith	A Caddisfly (<i>Apatania barri</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Arctopora salmon</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Cheumatopsyche logani</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Eocosmoecus schmidi</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Limnephilus challis</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Manophylax annulatus</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Psychoglypha smithi</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Rhyacophila oreia</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Rhyacophila robusta</i>) ³	x	x	x		x
Idaho Batholith	A Caddisfly (<i>Rhyacophila velora</i>) ³	x	x	x		x
Idaho Batholith	A Mayfly (<i>Parameletus columbiae</i>) ³	x	x	x		x
Idaho Batholith	Idaho Amphipod ³			x		x
Idaho Batholith	A Click Beetle (<i>Beckerus barri</i>) ¹			x		x
Idaho Batholith	A Riffle Beetle (<i>Bryelmis idahoensis</i>) ²	x	x			
Idaho Batholith	A Skiff Beetle (<i>Hydroscapha</i>)			x		x

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
	<i>redfordi</i> ¹					
Idaho Batholith	A Miner Bee (<i>Perdita salicis euxantha</i>) ³		x			
Idaho Batholith	A Miner Bee (<i>Perdita wyomingensis sculleni</i>) ³		x			
Idaho Batholith	Western Bumble Bee ¹	x	x			
Idaho Batholith	Suckley's Cuckoo Bumble Bee ¹	x	x			
Idaho Batholith	A Mason Bee (<i>Hoplitis orthognathus</i>) ³	x				
Idaho Batholith	Johnson's Hairstreak ³		x			
Idaho Batholith	Monarch ³	x	x	x		x
Idaho Batholith	Gillette's Checkerspot ³		x	x		x
Idaho Batholith	A Grasshopper (<i>Argiacris keithi</i>) ³		x			
Idaho Batholith	A Grasshopper (<i>Argiacris militaris</i>) ³		x			
Idaho Batholith	A Grasshopper (<i>Barracris petraea</i>) ³		x			
Idaho Batholith	Spur-throated Grasshopper (<i>Melanoplus</i>) Species Group ³		x			
Idaho Batholith	Harvestmen (<i>Acuclavella</i>) Species Group ³		x			
Idaho Batholith	Pale Jumping-slug ³	x	x			
Idaho Batholith	Marbled Jumping-slug ¹	x	x			
Idaho Batholith	Nimapuna Disc ³	x	x			
Idaho Batholith	Marbled Disc ¹	x	x			
Idaho Batholith	Salmon Coil ³	x	x			
Idaho Batholith	Lyrate Mountainsnail ²	x	x			
Idaho Batholith	Deep Slide Mountainsnail ²	x	x			
Idaho Batholith	Boulder Pile Mountainsnail ³	x	x			
Idaho Batholith	Striate Mountainsnail ²	x	x			
Idaho Batholith	Lava Rock Mountainsnail ¹	x	x			
Idaho Batholith	Selway Forestsnail ¹	x	x			
Idaho Batholith	Coeur d'Alene Oregonian ³	x	x			
Idaho Batholith	Western Flat-whorl ³	x	x			
Idaho Batholith	Shiny Tightcoil ³	x	x			
Idaho Batholith	Salmon Oregonian ¹	x	x			
Blue Mountains	Mountain Quail		x	x		x
Blue Mountains	Greater Sage-Grouse			x		x
Blue Mountains	Sharp-tailed Grouse			x		x
Blue Mountains	Sandhill Crane			x		
Blue Mountains	Long-billed Curlew			x		x
Blue Mountains	Burrowing Owl			x		x
Blue Mountains	Short-eared Owl			x		x
Blue Mountains	Common Nighthawk			x		x
Blue Mountains	Lewis's Woodpecker			x		
Blue Mountains	White-headed Woodpecker			x		
Blue Mountains	Olive-sided Flycatcher			x		
Blue Mountains	Clark's Nutcracker			x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Blue Mountains	Sagebrush Sparrow			x		
Blue Mountains	Grasshopper Sparrow			x		x
Blue Mountains	Bighorn Sheep			x		x
Blue Mountains	Northern Idaho Ground Squirrel			x		
Blue Mountains	Southern Idaho Ground Squirrel			x		x
Blue Mountains	Mountain Goat			x		
Blue Mountains	Townsend's Big-eared Bat			x		x
Blue Mountains	Silver-haired Bat			x		x
Blue Mountains	Hoary Bat			x		x
Blue Mountains	Western Small-footed Myotis			x		x
Blue Mountains	Little Brown Myotis			x		x
Blue Mountains	Steelhead (Snake River Basin DPS)			x		
Blue Mountains	Sockeye Salmon (Snake River ESU)			x		
Blue Mountains	Chinook Salmon (Snake River fall-run ESU)			x		
Blue Mountains	Chinook Salmon (Snake River spring-run ESU)			x		
Blue Mountains	Western Ridged Mussel ³			x		x
Blue Mountains	Western Pearlshell ²			x		x
Blue Mountains	Salmon Oregonian ¹			x		x
Blue Mountains	Coeur d'Alene Oregonian ³			x		x
Blue Mountains	Cottonwood Oregonian ¹			x		x
Blue Mountains	Marbled Disc ¹			x		
Blue Mountains	Nez Perce Pebblesnail ³			x		
Blue Mountains	Pixie Pebblesnail ¹	x				
Blue Mountains	Salmon Coil ³			x		x
Blue Mountains	Southern Tightcoil ³			x		x
Blue Mountains	Lyrate Mountainsnail ²			x		x
Blue Mountains	Costate Mountainsnail ²			x		x
Blue Mountains	Deep Slide Mountainsnail ²			x		x
Blue Mountains	Boulder Pile Mountainsnail ³			x		x
Blue Mountains	Striate Mountainsnail ²			x		x
Blue Mountains	Whorled Mountainsnail ¹			x		x
Blue Mountains	Lava Rock Mountainsnail ¹			x		x
Blue Mountains	Rotund Physa ³			x		
Blue Mountains	Western Flat-whorl ³			x		
Blue Mountains	Shiny Tightcoil ³			x		
Blue Mountains	Pristine Pyrg ²			x		
Blue Mountains	Pondsnail (<i>Stagnicola</i>) Species Group ³			x		
Blue Mountains	Seven Devils Mountain Snail ¹			x		x
Blue Mountains	Yellow Bumble Bee ³	x		x		
Blue Mountains	Hunt's Bumble Bee ³	x		x		
Blue Mountains	Morrison's Bumble Bee ¹	x		x		
Blue Mountains	Western Bumble ¹	x		x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Blue Mountains	Suckley's Cuckoo Bumble Bee ¹	x		x		
Blue Mountains	A Miner Bee (<i>Perdita barri</i>) ³	x		x		
Blue Mountains	A Miner Bee (<i>Perdita salicis euxantha</i>) ³	x		x		
Blue Mountains	A Miner Bee (<i>Perdita wyomingensis sculleni</i>) ³	x		x		
Blue Mountains	A Mason Bee (<i>Hoplitis orthognathus</i>) ²	x		x		
Blue Mountains	Spur-throated Grasshopper (<i>Melanoplus</i>) Species Group ³			x		
Blue Mountains	A Riffle Beetle (<i>Bryelmis idahoensis</i>) ²			x		
Blue Mountains	Columbia River Tiger Beetle ³			x		
Blue Mountains	Monarch ³	x		x		
Blue Mountains	Johnson's Hairstreak ³	x				
Blue Mountains	Gillette's Checkerspot ³	x				
Blue Mountains	A Moth (<i>Grammia eureka</i>) ³	x				
Blue Mountains	A Caddisfly (<i>Cheumatopsyche logani</i>) ³			x		
Blue Mountains	A Caddisfly (<i>Eocosmoecus schmidi</i>) ³			x		
Blue Mountains	A Caddisfly (<i>Homophylax auricularis</i>) ³			x		
Blue Mountains	A Caddisfly (<i>Rhyacophila oreia</i>) ³			x		
Blue Mountains	A Caddisfly (<i>Sericostriata surdickae</i>) ³			x		
Blue Mountains	Boise Snowfly ³			x		
Bitterroot	Pacific Lamprey					
Bitterroot	Western Toad			x	x	x
Bitterroot	Northern Leopard Frog					
Bitterroot	Harlequin Duck		x			
Bitterroot	Western Grebe			x		
Bitterroot	American Bittern	x		x		x
Bitterroot	Black Tern			x		x
Bitterroot	Common Nighthawk		x			x
Bitterroot	Black Swift		x			
Bitterroot	Lewis's Woodpecker					x
Bitterroot	Olive-sided Flycatcher		x	x		x
Bitterroot	Clark's Nutcracker		x	x		
Bitterroot	Townsend's Big-eared Bat		x	x	x	x
Bitterroot	Silver-haired Bat		x	x	x	x
Bitterroot	Hoary Bat		x	x	x	x
Bitterroot	Little Brown Myotis		x	x	x	x
Bitterroot	Wolverine	x	x	x		
Bitterroot	Fisher	x	x			
Bitterroot	Mountain Goat		x	x		
Bitterroot	Hoary Marmot		x	x		
Bitterroot	Western Pearlshell ²		x	x		x
Bitterroot	Rotund Physa ³		x	x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
Bitterroot	Rocky Mountain Dusksnail ²	x	x	x		
Bitterroot	Pristine Pyrg ²	x				
Bitterroot	Pale Jumping-slug ³	x	x	x		
Bitterroot	Marbled Jumping-slug ¹		x			
Bitterroot	Magnum Mantleslug ¹	x	x	x		
Bitterroot	Blue-gray Taildropper ¹		x			
Bitterroot	Papillose Taildropper ¹		x			
Bitterroot	Rocky Mountain Axetail ¹		x			
Bitterroot	Nimapuna Disc ³		x			
Bitterroot	Salmon Coil ³		x			
Bitterroot	Selway Forestsnail ¹		x			
Bitterroot	Mission Creek Oregonian ¹		x			
Bitterroot	Coeur d'Alene Oregonian ³		x			
Bitterroot	Kingston Oregonian ¹		x			
Bitterroot	Shiny Tightcoil ³	x	x			
Bitterroot	Harvestman (<i>Acuclavella</i>) Species Group ³		x			
Bitterroot	A Click Beetle (<i>Beckerus barri</i>) ¹	x	x	x		
Bitterroot	A Riffle Beetle (<i>Bryelmis idahoensis</i>) ²		x	x		
Bitterroot	A Mayfly (<i>Ameletus tolae</i>) ³					
Bitterroot	Lolo Mayfly (<i>Caurinella idahoensis</i>) ²		x	x		
Bitterroot	A Mayfly (<i>Ephemerella alleni</i>) ²		x	x		
Bitterroot	A Mayfly (<i>Paraleptophlebia falcula</i>) ³		x	x		
Bitterroot	A Mayfly(<i>Parameletus columbiae</i>) ³		x	x		
Bitterroot	A Miner Bee(<i>Andrena aculeata</i>) ³	x	x			
Bitterroot	A Miner Bee (<i>Perdita salicis euxantha</i>) ³	x	x			
Bitterroot	Hunt's Bumble Bee ³	x	x			
Bitterroot	Morrison's Bumble Bee ¹	x	x			
Bitterroot	Western Bumble ¹	x	x			
Bitterroot	Suckley's Cuckoo Bumble Bee ¹	x	x			
Bitterroot	A Mason Bee (<i>Hoplitis orthognathus</i>) ³	x	x			
Bitterroot	Monarch ³	x	x			
Bitterroot	Gillette's Checkerspot ³	x	x			
Bitterroot	Spur-throated Grasshopper (<i>Melanoplus</i>) Species Group ³		x			
Bitterroot	Straight Snowfly ³		x	x		
Bitterroot	Idaho Snowfly ³		x	x		
Bitterroot	Palouse Snowfly ³		x	x		
Bitterroot	Cascades Needlefly ³	x				
Bitterroot	Idaho Forestfly ³	x				
Bitterroot	Clearwater Roachfly ³	x	x	x		
Bitterroot	Umatilla Willowfly ³		x	x		
Bitterroot	A Caddisfly (<i>Manophylax</i>)		x	x		

Appendix G. Species Monitoring Summary. Continued.

Section	Species	Document presence, distribution & abundance	Monitoring population	Monitoring habitat	Monitoring direct mortality (e.g., collisions, disease)	Monitoring invasive species
	<i>annulatus</i>) ³					
Bitterroot	A Caddisfly (<i>Eocosmoecus schmidi</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Philocasca antennata</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Philocasca banksi</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Homophylax acutus</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Rhyacophila oreia</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Rhyacophila robusta</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Goereilla baumanni</i>) ³		x	x		
Bitterroot	A Caddisfly (<i>Sericostriata surdickae</i>) ³		x	x		