

**BIOLOGICAL EVALUATION AND  
MANAGEMENT INDICATOR SPECIES  
SPECIALIST REPORT FOR  
ARAPAHOE BASIN SKI AREA UPGRADING,  
SUMMIT COUNTY, COLORADO**

*Prepared for:*

**U.S. Forest Service**

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Dillon Ranger District  
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**Arapahoe Basin Ski Area**

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Table 4-4. Determination summary of effects on R2 sensitive animal species resulting from the proposed facilities upgrading at ABSA.

Common name, <i>Scientific name</i>	Determination	
	Alt. 1	Alt. 2
<b>INSECTS</b>		
Great Basin silverspot, <i>Speyeria nokomis nokomis</i>	NI	NI
Hudsonian emerald, <i>Somatochlora hudsonica</i>	NI	NI
<b>FISH</b>		
<b>Roundtail chub</b> , <i>Gila robusta</i>	NI	NI
<b>Mountain sucker</b> , <i>Catostomus platyrhynchus</i>	NI	NI
<b>Bluehead sucker</b> , <i>Catostomus discobolus</i>	NI	NI
<b>Flannelmouth sucker</b> , <i>Catostomus latipinnis</i>	NI	NI
<b>Colorado River cutthroat trout</b> , <i>Oncorhynchus clarki pleuriticus</i>	NI	NI
<b>AMPHIBIANS</b>		
<b>Boreal western toad</b> , <i>Bufo boreas boreas</i>	NI	MAII
Northern leopard frog, <i>Rana pipiens</i>	NI	NI
<b>BIRDS</b>		
<b>Northern goshawk</b> , <i>Accipiter gentilis</i>	NI	MAII
<b>Northern harrier</b> , <i>Circus cyaneus</i>	NI	MAII
Ferruginous hawk, <i>Buteo regalis</i>	NI	NI
American peregrine falcon, <i>Falco peregrinus anatum</i>	NI	NI
<b>White-tailed ptarmigan</b> , <i>Lagopus leucurus</i>	NI	MAII
Greater sage grouse, <i>Centrocercus urophasianus</i>	NI	NI
Columbian sharp-tailed grouse, <i>Tympanuchus phasianellus columbianus</i>	NI	NI
Flammulated owl, <i>Otus flammeolus</i>	NI	NI
<b>Boreal owl</b> , <i>Aegolius funereus</i>	NI	MAII
Black swift, <i>Cypseloides niger</i>	NI	NI
<b>Three-toed woodpecker</b> , <i>Picoides tridactylus</i>	NI	MAII
<b>Olive-sided flycatcher</b> , <i>Contopus cooperi</i>	NI	MAII
Loggerhead shrike, <i>Lanius ludovicianus</i>	NI	NI
Purple martin, <i>Progne subis</i>	NI	NI
Brewer's sparrow, <i>Spizella breweri</i>	NI	NI
Sage sparrow, <i>Amphispiza belli</i>	NI	NI
<b>MAMMALS</b>		
<b>Pygmy shrew</b> , <i>Microsorex hoyi montanus</i>	NI	MAII
Fringed myotis, <i>Myotis thysanodes</i>	NI	NI
Spotted bat, <i>Euderma maculatum</i>	NI	NI
Townsend's big-eared bat, <i>Corynorhinus townsendii townsendii</i>	NI	NI
<b>American marten</b> , <i>Martes americana</i>	NI	MAII
<b>North American wolverine</b> , <i>Gulo gulo luscus</i>	NI	NI
River otter, <i>Lutra canadensis</i>	NI	NI
<p>Other R2 sensitive animals are not listed because they have not been found on the WRNF, they have no affinities to habitats on the project area, the project area is outside of the species' range or elevational distribution, and the proposed action would have no impact on those species. Species in <b>bold</b> are potentially present and/or are discussed individually in the text. Animals are listed phylogenetically.</p> <p>NI = No impact.</p> <p>MAII = may impact individuals, but is not likely to result in a loss of viability on the planning area, nor cause a trend to federal listing or a loss of species viability rangewide.</p> <p>Determinations in this table only consider NFS lands that may be directly, indirectly, or cumulatively affected by the proposed action, which R2 species determinations are based on.</p>		