

**Appendix E – Comparison of Effects of the Alternatives on Other Wildlife Species**

This appendix contains the following tables:

- Figure 139, which displays a summary of the habitat changes and/or management/activity changes associated with the standards and guidelines for each alternative.
- Figure 140, which displays the potential indirect beneficial effects of the standards, guidelines, and alternatives on species listed under the ESA.
- Figure 141, which displays the potential indirect beneficial effects of the standards, guidelines, and alternatives on Forest Service sensitive species.
- Figure 142, which displays the potential indirect beneficial effects of the standards, guidelines, and alternatives on MIS.
- Figure 143, which displays the potential indirect beneficial effects of the standards, guidelines, and alternatives on High Priority or Level I bird species.

See section 3.4 for a full discussion of effects on other wildlife species.

Figure 139. Comparison of habitat changes and/or management/activity changes associated with the standards and guidelines for each alternative.

Standard or Guideline	Indicator or measure of change	Alternative 1	Alternative 2	Alternative 2-Modified	Alternative 3	Alternative 4
<b>Standard 1 Secure Habitat</b>	Percent of National Forest System land inside PCA in long-term secure habitat	72%	83% <sup>1</sup>	83% <sup>1</sup>	88%	88%
	Percent of National Forest System land inside PCA in short-term secure habitat	11%	0%	0%	0%	0%
	Estimated miles of open motorized access routes to be closed on National Forest System land within the PCA to provide for increased secure habitat <sup>1</sup>	0	0	0	487	487
	Percent of National Forest System land in Alternative 4 areas outside PCA in long-term secure habitat	52%	52%	52%	52%	85%
	Percent of National Forest System land in Alternative 4 areas outside the PCA in short-term secure habitat	21%	21%	21%	21%	0%
	Estimated miles of open motorized access routes to be closed on National Forest System land in Alternative 4 areas outside the PCA to provide for increased secure habitat <sup>2</sup>	0	0	0	0	1,363

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Standard or Guideline	Indicator or measure of change	Alternative 1	Alternative 2	Alternative 2-Modified	Alternative 3	Alternative 4
<b>Standard 2 Developed Sites</b>	Number of sites on National Forest System land within the PCA and potential trend	371 with potential increases in capacity or number of sites	371 no net increases in capacity or number of developed sites without mitigation	371 no net increases in capacity or number of developed sites without mitigation	371 with potential for some decreases (see Standards 8 and 9)	371 with potential for some decreases (see Standards 8 and 9)
	Number of sites on National Forest System land in Alternative 4 areas outside the PCA and potential trend	598 with potential increases in capacity or number of sites	598 with potential increases in capacity or number of sites	598 with potential increases in capacity or number of sites	598 with potential increases in capacity or number of sites	598 with potential for some decreases (see Standards 8 and 9)
<b>Standard 3 Livestock Grazing</b>  <b>And</b>  <b>Guideline 2 Livestock Grazing</b>	Number of cattle allotments inside the PCA and potential trend	70 with potential for increases in the number of allotments	70 no increases in the number of allotments	70 no increases in the number of allotments and potential for decreases if recurring conflicts occur	70 no increases in the number of allotments and potential for decreases if recurring conflicts occur	70 no increases in the number of allotments and potential for decreases if recurring conflicts occur
	Number of sheep allotments inside the PCA and potential trend <sup>3</sup>	4 2 designated for phase out	4 all designated for phase out	4 all designated for phase out	0 close 4 allotments within 3 years	0 close 4 allotments within 3 years
	Number of cattle allotments in Alternative 4 areas outside the PCA and potential trend	280 with potential for increases in the number of allotments	280 with potential for increases in the number of allotments	280 with potential for decreases if recurring conflicts occur	280 with potential for increases in the number of allotments	280 with potential for decreases if recurring conflicts occur
	Number of sheep allotments in Alternative 4 areas outside the PCA and potential trend	73 no decrease due to grizzly bear standards or guidelines	73 no decrease due to grizzly bear standards or guidelines	73 with potential for decreases if recurring conflicts occur	73 no decrease due to grizzly bear standards or guidelines	0 close 73 allotments within 3 years

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Standard or Guideline	Indicator or measure of change	Alternative 1	Alternative 2	Alternative 2-Modified	Alternative 3	Alternative 4
<b>Standard 6 Food Storage and Other Management Tools</b>	Management direction inside the PCA	Existing food storage orders cover most of the PCA	Existing food storage orders cover most of the PCA	Use food storage orders, information and education, and other management tools to minimize grizzly bear/human conflicts	Existing food storage orders cover most of the PCA	A uniform forest-wide food storage order implemented within one year
<b>And</b>						
<b>Guideline 3 Food Storage and Other Management Tools</b>	Management direction in Alternative 4 areas outside the PCA	Existing food storage orders cover a portion of the area outside of the PCA.	Existing food storage orders cover a portion of the area outside of the PCA	In biologically suitable and socially acceptable areas, emphasize proper sanitation techniques including food storage orders, and information and education while working with local governments and other agencies	Existing food storage orders cover a portion of the area outside of the PCA	A uniform forest-wide food storage order implemented within one year
<b>And</b>						
<b>Objective 1 Food Storage</b>						

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Standard or Guideline	Indicator or measure of change	Alternative 1	Alternative 2	Alternative 2-Modified	Alternative 3	Alternative 4
<b>Standard 7 Off-Road Motorized Access</b>  <b>And Guideline 1 Winter Motorized Access</b>	Percent of National Forest System land inside PCA open to cross-country OHV use	2%	2%	2%	0%	0%
	Percent of National Forest System land in Alternative 4 areas outside PCA open to cross-country OHV use	2%	2%	2%	2%	0%
	Percent of denning habitat on National Forest System land inside PCA closed to snow machine use	68%	68% potential for additional localized restrictions to resolve conflicts	68% potential for additional localized restrictions to resolve conflicts	100%	100%
	Percent of denning habitat on National Forest System land in Alternative 4 areas outside PCA closed to snow machine use	35%	35%	35%	35%	100%
<b>Standard 8 Oil and Gas Leasing</b>	Percent of National Forest System land inside PCA legally withdrawn or not available or not authorized for use	78% operations could be allowed in the PCA with consultation with USFWS	78% operations could be allowed in the PCA with mitigation to meet Standards 1 and 2	78% operations could be allowed in the PCA with mitigation to meet Standards 1 and 2	100% no new oil and gas leases would be permitted	100% no new oil and gas leases would be permitted
	Percent of National Forest System land in Alternative 4 areas outside PCA legally withdrawn or not available or not authorized for use	47%	47%	47%	47%	100% no new oil and gas leases would be permitted

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Standard or Guideline	Indicator or measure of change	Alternative 1	Alternative 2	Alternative 2-Modified	Alternative 3	Alternative 4
<b>Standard 9 Recreation Conflicts</b>	Management direction inside the PCA	Existing Guidelines and nuisance bear guidelines	Conservation Strategy nuisance bear guidelines	Conservation Strategy nuisance bear guidelines	Conservation Strategy nuisance bear guidelines plus close sites and uses if recurring conflicts occur	Conservation Strategy nuisance bear guidelines plus close sites and uses if recurring conflicts occur
	Management direction in Alternative 4 areas outside the PCA	Existing forest plans	Conservation Strategy nuisance bear guidelines including state grizzly bear plans	Conservation Strategy nuisance bear guidelines including state grizzly bear plans	Conservation Strategy nuisance bear guidelines including state grizzly bear plans	Conservation Strategy nuisance bear guidelines including state grizzly bear plans plus close sites and uses if recurring conflicts occur
<b>Guideline 4 Food Sources and Standard 10 Food Sources</b>	Management direction inside the PCA	Existing Guidelines and forest plans	Conservation Strategy	Maintain the productivity, to the extent feasible, of the four key grizzly bear food sources as identified in the Conservation Strategy	Maintain and restore the four key grizzly bear food sources; close areas to human uses if needed	Maintain and restore the four key grizzly bear food sources; close areas to human uses if needed
	Management direction in Alternative 4 areas outside the PCA	Forest plan direction	Forest plan direction and state grizzly bear plans	In areas identified as biologically suitable and socially acceptable, maintain the productivity, to the extent feasible, of the four key grizzly bear food sources as identified in the Conservation Strategy	Forest plan direction and state grizzly bear plans	Maintain and restore the four key grizzly bear food sources; close areas to human uses if needed

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<sup>1</sup>Eleven percent of the long-term secure habitat is subject to the 1 percent rule. These acres were considered as short-term secure habitat under Alternative 1 as it is within Management Areas types 4, 5, 6 and 8 that allow for management activities. Under these alternatives any secure habitat affected by the 1 percent rule would be restored after project completion.

<sup>2</sup>These miles of motorized access routes to be closed are in addition to any miles that are already required in existing forest plans.

<sup>3</sup>Two of the four sheep allotments under all action alternatives inside the PCA are planned for closure by the Gallatin National Forest in 2006.

Appendix E – Comparison of Effects of the Alternatives on Other Wildlife Species

Figure 140 displays the standards and guidelines that may have complementary or beneficial effects when compared to Alternative 1. Within the table, alternatives are shown in order of potential indirect beneficial effect, with highest listed first and lowest listed last. Blank cells indicate a neutral effect for that particular standard or guideline. For descriptions of the standards and guidelines, see Figure 4. Standards 4 and 5 would have no effect on any species. To understand the relative differences between the alternatives, compare this table to

Figure 139, which compares habitat changes and/or management/activity changes associated with standards and guidelines for each of the alternatives.

*Figure 140. Potential indirect beneficial effects of standards, guidelines, and alternatives on listed species.*

Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
<b>Mammals</b>							
Black-footed ferret							
Canada lynx	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		
Gray wolf	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 2-M Alt. 3 Alt. 2
<b>Birds</b>							
Bald eagle	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M			Alt. 4	Alt. 4 Alt. 3	Alt. 4 Alt. 2-M Alt. 3
Eskimo curlew							
Interior least tern							
Piping plover							
Whooping crane							



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Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
Yellow-billed cuckoo							
<b>Fish and snail</b>							
Bonytail chub							
Bull trout	Alt. 4		Alt. 4	Alt. 4	Alt. 4		
Colorado pikeminnow							
Humpback chub							
Kendall Warm Springs dace							
Montana arctic grayling	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		
Pallid sturgeon							
Razorback sucker							
Utah valvata snail							

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Figure 141 displays the standards and guidelines that may have complementary or beneficial effects when compared to Alternative 1. Within the table, alternatives are shown in order of potential indirect beneficial effect, with highest listed first and lowest listed last. Blank cells indicate a neutral effect for that particular standard or guideline. For descriptions of the standards and guidelines, see Figure 4. Standards 4 and 5 would have no effect on any species. To understand the relative differences between the alternatives, compare this table to

Figure 139, which compares habitat changes and/or management/activity changes associated with standards and guidelines for each of the alternatives.

**Figure 141. Potential indirect beneficial effects of standards, guidelines, and alternatives on Forest Service sensitive species.**

Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
<b>Mammals</b>							
American (pine) marten	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3	Alt. 4 Alt. 3 Alt. 2 & 2-M	
Black-tailed prairie dog							
Fisher	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3	Alt. 4 Alt. 3 Alt. 2 & 2-M	
Fringe-tailed myotis	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Great Basin pocket mouse			Alt. 4 Alt. 2-M		Alt. 4		

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Long-eared myotis	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Long-legged myotis	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
North American wolverine	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2
Northern bog lemming	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Pallid bat	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Pygmy rabbit	Alt. 4		Alt. 4		Alt. 4		
River otter	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						

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Rocky Mountain bighorn sheep	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3	Alt. 4 Alt. 3	
Spotted bat	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Water vole	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Western (Townsend's) big-eared bat	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
White-tailed prairie dog							
<b>Birds</b>							
Baird's sparrow							
Black tern	Alt. 4						
Black-backed woodpecker	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Blue-gray gnatcatcher							

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Boreal owl	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Brewer's sparrow	Alt. 4 Alt. 3 Alt. 2-M Alt. 2				Alt. 4 Alt. 3		
Burrowing owl	Alt. 4				Alt. 4		
Columbian sharp-tailed grouse	Alt. 4		Alt. 4		Alt. 4		
Common loon	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Ferruginous hawk	Alt. 4				Alt. 4		
Flammulated owl	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Grasshopper sparrow							
Great gray owl	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						

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Harlequin duck	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Lewis's woodpecker							
Loggerhead shrike							
Long-billed curlew							
Mountain plover							
Northern goshawk	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Northern harrier	Alt. 4				Alt. 4		
Olive-sided flycatcher							
Peregrine falcon							
Sage grouse	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3		
Short-eared owl	Alt. 4				Alt. 4		
Three-toed woodpecker	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						

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Trumpeter swan	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Yellow-billed cuckoo							
<b>Amphibians &amp; reptiles</b>							
Boreal (western) toad	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3		
Columbia spotted frog	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3		
Great Plains toad							
Greater short-horned lizard							
Milksnake							
Northern leopard frog	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3		
Plains spadefoot							
Western hognose snake							

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<b>Fish</b>							
Bonneville cutthroat trout	Alt. 4		Alt. 4		Alt. 4		
Colorado River cutthroat trout	Alt. 4		Alt. 4		Alt. 4		
Montana fluvial arctic grayling	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		
Mountain sucker	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3	Alt. 4 Alt. 3		
Northern redbelly dace	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3	Alt. 4 Alt. 3		
Snake River fine spotted cutthroat trout	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3	Alt. 4 Alt. 3		
Sturgeon chub							
Westslope cutthroat trout	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3	Alt. 4 Alt. 3		



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Yellowstone cutthroat trout	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3	Alt. 4 Alt. 3		
<b>Insects</b>							
Hudsonian emerald dragonfly							

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Figure 142 displays the standards and guidelines that may have complementary or beneficial effects when compared to Alternative 1. Within the table, alternatives are shown in order of potential indirect beneficial effect, with highest listed first and lowest listed last. Blank cells indicate a neutral effect for that particular standard or guideline. For descriptions of the standards and guidelines, see Figure 4. Standards 4 and 5 would have no effect on any species. To understand the relative differences between the alternatives, compare this table to

Figure 139, which compares habitat changes and/or management/activity changes associated with standards and guidelines for each of the alternatives.

*Figure 142. Potential indirect beneficial effects of standards, guidelines, and alternatives on management indicator species.*

Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
<b>Mammals</b>							
Beaver	Alt. 4 Alt. 2-M Alt. 3 Alt. 2				Alt. 4 Alt. 3 Alt. 2 & 2-M		
Elk and deer winter range	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 2-M Alt. 3 Alt. 2
Mountain goat	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M				Alt. 4 Alt. 3 Alt. 2 & 2-M	
Mule deer	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2

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Pronghorn antelope	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		
Red squirrel	Alt. 4 Alt. 2-M Alt. 3 Alt. 2				Alt. 4 Alt. 3 Alt. 2 & 2-M		
Rocky Mountain elk	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2
Shiras moose	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2
White-tailed deer	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2 & 2-M		Alt. 4 Alt. 2-M Alt. 3 Alt. 2

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Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
<b>Birds</b>							
Blue grouse							
Bullock's oriole <sup>1</sup>							
Lark sparrow							
Ovenbird							
Primary cavity nesters <sup>2</sup>	Alt. 4 Alt. 2-M Alt. 3 Alt. 2						
Ruffed grouse							
Spotted (rufous-sided) towhee							
Western kingbird							
Yellow warbler							
<b>Amphibians</b>							
Boreal chorus frog							
<b>Fish</b>							
Largemouth bass	Alt. 4		Alt. 4	Alt. 4	Alt. 4		

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Rainbow trout	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2		
Wild trout and game trout <sup>3</sup>	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 3 Alt. 2		

<sup>1</sup> Bullock's oriole was formerly called the northern oriole. In 1995, the American Ornithologists Union split the species, making Bullock's oriole a separate species.

<sup>2</sup>Primary cavity nesters includes eight species of woodpeckers: Lewis's woodpecker, red-napped sapsucker, Williamson's sapsucker, downy woodpecker, hairy woodpecker, three-toed woodpecker, black-backed woodpecker, and northern flicker. The Lewis's woodpecker, three-toed woodpecker, and black-backed woodpecker were discussed with sensitive species in section 3.4.2.

<sup>3</sup> Wild trout are identified as MIS in the Gallatin Forest Plan. Game trout are identified as MIS in the Shoshone Forest Plan. Game trout includes all trout species present on the Shoshone National Forest, such as cutthroat trout, rainbow trout, brook trout, brown trout, lake trout, golden trout.

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Figure 143 displays the standards and guidelines that may have complementary or beneficial effects when compared to Alternative 1. Within the table, alternatives are shown in order of potential indirect beneficial effect, with highest listed first and lowest listed last. Blank cells indicate a neutral effect for that particular standard or guideline. For descriptions of the standards and guidelines, see Figure 4. Standards 4 and 5 would have no effect on any species. To understand the relative differences between the alternatives, compare this table to

Figure 139, which compares habitat changes and/or management/activity changes associated with standards and guidelines for each of the alternatives.

**Figure 143. Potential indirect beneficial effects of standards, guidelines, and alternatives on High Priority or Level I bird species.**

Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
American avocet							
American dipper							
American white pelican							
Barrow's goldeneye	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Black rosy-finch		Alt. 4 Alt. 3 Alt. 2 & 2-M					
Black-billed magpie							
Brown creeper	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						

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Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
Calliope hummingbird			Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Cinnamon teal							
Dusky flycatcher			Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Forster's tern							
Franklin's gull							
Golden eagle	Alt. 4 Alt. 3 Alt. 2-M Alt. 2	Alt. 4 Alt. 3 Alt. 2 & 2-M			Alt. 4 Alt. 3		
Hammond's flycatcher	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Hooded merganser	Alt. 4 Alt. 3 Alt. 2-M Alt. 2						
Killdeer							

Appendix E – Comparison of Effects of the Alternatives on Other Wildlife Species

Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
MacGillivray's warbler		Alt. 4 Alt. 3 Alt. 2 & 2-M	Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3		
McCown's longspur							
Pinyon jay							
Prairie falcon	Alt. 4 Alt. 3 Alt. 2-M Alt. 2		Alt. 4 Alt. 2-M Alt. 3 Alt. 2		Alt. 4 Alt. 3		
Redhead							
Rock wren							
Rufous hummingbird			Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Sage thrasher							
Sandhill crane							
Sharp-shinned hawk							
Sprague's pipit			Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Swainson's hawk							



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Species Name	Standard 1 Secure Habitat	Standard 2 Developed Sites	Standard 3 Livestock Grazing And Guideline 2 Livestock Grazing	Guideline 1 Winter Access and Standard 7 OHV Access	Standard 8 Oil and Gas Leasing	Standard 9 Recreation Conflicts	Guideline 4 Food Sources and Standard 10 Food Sources
Townsend's warbler							
Western grebe							
Western tanager							
White-faced ibis							
Willow flycatcher			Alt. 4 Alt. 2-M Alt. 3 Alt. 2				
Wilson's phalarope							