

# **APPENDIX G – ROADLESS AREAS WITH POTENTIALLY HIGHER RISK FOR FISH**

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# APPENDIX G – ROADLESS AREAS WITH POTENTIALLY HIGHER RISK FOR FISH

## INTRODUCTION

This appendix identifies the threatened, endangered, and sensitive fish species of concern in terms of the potential effects of the alternatives evaluated in this EIS. Threatened and endangered (T&E) species refer to those species that are federally listed under the Endangered Species Act (ESA). Forest Service sensitive species are those listed by a regional forester (Regions 2 and 4 used for this analysis), primarily due to population viability concerns (USDA Forest Service 1995; Forest Service manual 2670). The list of sensitive species in the Rocky Mountain Region includes species that are “candidate” species for federal listing under the ESA.

Roadless areas with potentially higher risk for fish are those with a T&E or sensitive species that is likely to occur there, and road-building or tree-cutting activities that would likely increase in that roadless area under alternatives 2 or 3 (compared with alternative 1, the no-action alternative).

The total amount of projected roading and tree-cutting activities under each alternative is described in the Analysis Framework, and described in more detail in appendix C. Identifying these roadless areas as potentially higher risk is not intended to minimize the value of other roadless areas for aquatic species and habitat. Refer to the Aquatic Species and Habitat section in chapter 3, and the specialist report in the EIS record.

Table G-1 lists the roadless areas with potentially higher risk for T&E or sensitive fish species. The table lists the Colorado roadless areas (CRAs) as well as the portions of inventoried roadless areas (IRAs) that lie outside the CRAs in order to consider the roadless area acres in all alternatives. The portions of IRAs that are not included in CRAs are referred to generally in this appendix as substantially altered (SA) areas. In addition to listing the particular roadless area acres considered potentially higher risk for fish, it also lists the specific threatened, endangered and sensitive fish species known or likely to occur in that particular roadless area. The last two columns list the likelihood rating for the projected increases in roading or tree-cutting (from appendix C). The likelihood ratings are defined at the bottom of the table.

**Table G-1. Roadless areas with potentially higher risk for fish**

National forest <sup>1</sup>	CRAs and substantially altered areas (SA) <sup>2</sup>	Threatened, endangered, and sensitive fish species known or likely to occur	Road construction likelihood <sup>3</sup>			Tree-cutting likelihood (with or w/out harvest) <sup>3</sup>		
			Alt 1	Alt 2	Alt 3	Alt 1	Alt 2	Alt 3
AR	Comanche Park SA	Greenback cutthroat trout	2	5	5	4	4	4
AR	Comanche Peak adjacent area	Greenback cutthroat trout	2	2	4	4	4	4
AR	Green Ridge – West	Greenback cutthroat trout	2	2	3	3	3	3
AR	Indian Peaks adjacent area	Colorado River cutthroat trout	2	2	5	5	5	5
GMUG	Clear Creek SA	Colorado River cutthroat trout	4	4	4	4	4	4
GMUG	Flattops / Elk Park	Colorado River cutthroat trout	2	3	3	2	3	3
GMUG	Huntsman Ridge	Colorado River cutthroat trout	4	4	4	4	4	4
GMUG	West Elk SA	Colorado River cutthroat trout	5	5	5	5	5	5
PSI	Burning Bear	Greenback cutthroat trout	2	5	5	4	5	5
PSI	Greenhorn Mountain: Graneros Creek to Section 10	Greenback cutthroat trout	2	3	3	2	3	3
PSI	Greenhorn Mountain: Little Saint Charles Creek to Greenhorn Creek	Greenback cutthroat trout	2	4	4	2	4	4
PSI	Mount Antero	Greenback cutthroat trout	2	3	4	2	3	4
PSI	Pikes Peak East	Greenback cutthroat trout	2	3	4	2	3	4
PSI	Sangre de Cristo: Alvarado Campground to Music Pass	Greenback cutthroat trout	2	4	4	2	4	4
PSI	Sangre de Cristo: Alvarado Campground to Music Pass SA	Greenback cutthroat trout	2	4	4	2	4	4
PSI	Sangre de Cristo: Blanca Peak to Slide Mountain	Greenback cutthroat trout	2	3	4	2	3	4
PSI	Sangre de Cristo: Lake Creek to Hermit Creek	Greenback cutthroat trout	2	3	3	2	3	3
PSI	Sangre de Cristo: West Creek to Big Cottonwood	Greenback cutthroat trout	2	4	4	2	4	4
Routt	Black Mountain	Colorado River cutthroat trout	3	2	4	2	2	4
Routt	Elkhorn	Colorado River cutthroat trout	3	2	3	3	2	3
Routt	Nipple Peak South	Colorado River cutthroat trout	1	1	1	3	4	4
Routt	Pagoda Peak	Colorado River cutthroat trout	3	3	3	3	3	3
Routt	Sugarloaf North	Colorado River cutthroat trout	2	2	4	2	2	4
SJ	Baldy	Colorado River cutthroat trout	2	4	4	2	4	4
SJ	East Animas	Colorado River cutthroat trout	2	3	3	2	3	3
SJ	East Animas SA	Colorado River cutthroat trout	2	4	4	2	4	4
SJ	Graham Park	Colorado River cutthroat trout	1	1	1	2	3	3
SJ	Graham Park SA	Colorado River cutthroat trout	2	3	3	2	3	3

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National forest <sup>1</sup>	CRAs and substantially altered areas (SA) <sup>2</sup>	Threatened, endangered, and sensitive fish species known or likely to occur	Road construction likelihood <sup>3</sup>			Tree-cutting likelihood (with or w/out harvest) <sup>3</sup>		
			Alt 1	Alt 2	Alt 3	Alt 1	Alt 2	Alt 3
SJ	Hermosa	Colorado River cutthroat trout	2	5	5	2	5	5
SJ	Hermosa SA	Colorado River cutthroat trout	2	4	4	2	4	4
SJ	South San Juan SA	Fannelmouth sucker/ bluehead sucker	2	5	5	2	5	5
SJ	Storm Peak	Colorado River cutthroat trout	2	3	3	2	3	3
SJ	Turkey Creek	Colorado River cutthroat trout	2	4	4	2	4	4
WR	Baldy Mountain	Colorado River cutthroat trout	4	4	4	4	4	4
WR	Dome Peak	Colorado River cutthroat trout	2	2	2	2	3	2
WR	East Divide / Four Mile Park	Colorado River cutthroat trout	2	4	4	2	4	4
WR	East Willow	Bluehead sucker	3	4	4	3	4	4
WR	Elk Creek B	Colorado River cutthroat trout	2	3	2	2	3	2
WR	Fawn Creek / Little Lost Park	Colorado River cutthroat trout	1	1	1	2	3	2
WR	Lower Piney	Colorado River cutthroat trout	2	3	3	2	3	3
WR	Mamm Peak	Colorado River cutthroat trout	3	4	4	3	4	4
WR	North Elk	Colorado River cutthroat trout	2	3	2	2	3	3
WR	Porcupine Peak	Colorado River cutthroat trout	2	3	2	2	3	2
WR	Thompson Creek	Colorado River cutthroat trout	2	4	4	2	4	4

<sup>1</sup> National forest abbreviations:

AR: Arapaho and Roosevelt

GMUG: Grand Mesa, Uncompahgre, and Gunnison

PSI: Pike and San Isabel

SJ: San Juan

WR: White River

<sup>2</sup> CRA refers to Colorado roadless areas; SA refers to the substantially altered and other IRA acres that are not included in CRAs

<sup>3</sup> The likelihood ratings are as follows: 1 or 2= not likely; 3= somewhat likely; 4= very likely; 5= plans are underway (see appendix C)

